LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT

HYDROLOGIC REPORT

1977 - 1980

PREPARED IN THE
HYDRAULIC AND WATER CONSERVATION DIVISIONS

MAY 1987

NOTE ON CONSOLIDATION

This report contains hydrologic data for the 1977 - 80 water years. It should be noted that on January 1, 1985 the Los Angeles County Flood Control District consolidated with the Los Angeles County Road Department and portions of the Los Angeles County Engineer to become the Los Angeles County Department of Public Works. Because the data contained in this report was gathered at the time the Los Angeles County Flood Control District was a separate entity, it is noted as such in the following pages. However, any future correspondence should be directed towards the Los Angeles County Department of Public Works.

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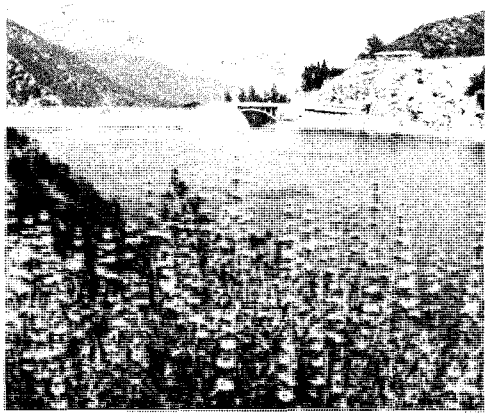


COGSWELL DAM

This report contains hydrologic data within Los Angeles County for the period beginning October 1, 1977, and ending September 30, 1980. Also included are summaries of data at selected locations for all years of record. The data are presented in seven sections.

1. Precipitation - summarizes precipitation data for over 400 locations 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 - presents daily and seasonal runoff amounts for 53 streamflow stations and three Metropolitan Water District outlets.

4. Dam Operation - lists mean daily inflow, outflow, water surface elevation, and storage amounts as well as a summary of annual events for 14 dams and reservoirs.

5. Erosion Control - presents debris histories for debris basins and maps of major watershed burns.

6. Water Quality Monitoring - presents maps of surface and groundwater sampling locations, and data at selected locations.

7. Conservation and Groundwater - presents records of water conserved at various facilities, water injected at seawater barrier projects, well hydrographs, and groundwater basins.

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 Several tables appear listing locations where unpublished data are available.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

T. A. Tidemanson, Director
Los Angeles County
Department of Public Works
P. O. Box 4089 Terminal Annex
Los Angeles, CA 90051

1977-1980 SEASON SUMMARY

RAINFALL

The average rainfall over Los Angeles County was above normal for the three season period. Following is the comparison by season:

SEASON	SEASON RAINFALL	PERCENT NORMAL
1977-78	35.21 inches	225
1978-79	20.19 inches	129
1979-80	27.23 inches	174

Rainfall records have been kept in Los Angeles County since the 1872-73 season. Of these 108 years of records, the 1977-78 and 1979-80 seasons rank as the second and sixth wettest years, respectively.

Rainfall amounts vary considerably relative to the different terrains of the County. Below is a comparison for three subareas for the three seasons:

SUBAREAS	SEASONAL RAINFALL (inches)		
	1977-78	1978-79	1979-80
Coastal Plain	27.97	18.24	23.72
Mountains	67.65	30.80	51.70
Desert	15.66	11.28	13.47

SUBAREAS	SEASONAL RAINFALL (percent normal)		
	1977-78	1978-79	1979-80
Coastal Plain	204	133	173
Mountains	246	112	188
Desert	200	144	172

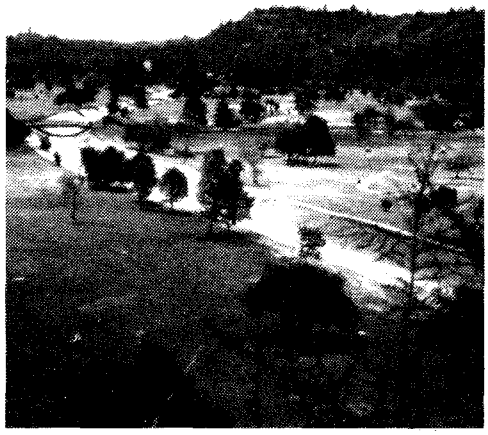
The largest storm of the 1977-78 season occurred from February 27 through March 6. The largest storm of the 1978-79 season started on March 27 and lasted through March 30, while February 13 through February 22 produced the largest storm during the 1979-80 season.

RUNOFF

The 1977-80 period produced above normal rainfall which resulted in high runoff quantities in many areas of the District.

EVAPORATION

Evaporation for seven selected locations was 100 percent of average for the 1977-78 season and 98 percent of average for the 1978-79 and 1979-80 seasons.



ARROYO SECO WASH BELOW DEVIL'S GATE DAM

FIRE

The most influential fires that occurred within the 1977-80 seasons were the Kanan (Malibu Agoura) Fire which occurred in 1978, and the Sage and Monte Fire which occurred in 1979. The Kanan (Malibu Agoura) Fire consisted of approximately 25,400 burned acres located in the Santa Monica Mountain Region, extending from the Ventura Freeway to the Malibu Beach area. The Sage and Monte Fire consisted of approximately 35,000 burned acres located in the San Gabriel Mountain Region, along the Big Tujunga Canyon area.

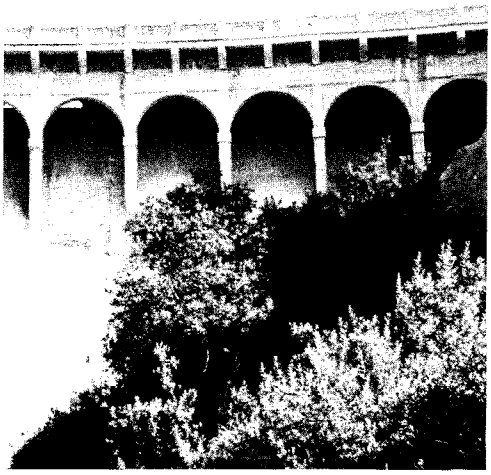
EROSION

During the 1977-80 seasons, the average debris production rates into all the Department's debris basins were as follows: 21,800 cubic yards per square mile in the 1977-78 season; 1,400 cubic yards per square mile in the 1978-79 season; and 16,625 cubic yards per sqare mile in the 1979-80 season. The historical maximum rate of debris production is 33,500 cubic yards per square mile, which occurred in the 1968-69 season.

CONSERVATION

During the 1977-80 water years 1,309,500 acre-feet of local water, 261,180 acre-feet of imported water, and 66,261 acre-feet of reclaimed water were used to replenish the ground-water basins from speading and injection facilities.

THE LOS ANGELES COUNTY



DEVIL'S GATE DAM

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 percent mountainous, 17 percent coastal plain; and 44 percent hills, valleys, or deserts. 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. Steepwalled canyons with side slopes of 70 percent or more are common. The 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 5,000, 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.

LAND USE

The principal vegetative cover of upper mountain areas consists 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 streambeds 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 re-establish the watershed cover within a period of 5 to 10 years.

Grasses are the principal natural vegetation on the hills. Much of the hill land and nearly all of 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 Clarita Valley and desert areas to the north of the San Gabriel Mountains is sparse at present but is proceeding at an accelerated rate.

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 the coastal plain. The alluvial fill has been built up by repeated desposition of debris to depths as great as 2,000 feet in places. This fill is quite porous in areas of relatively low clay content. Impervious layers 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.

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. 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 48 degrees above zero. The average daily maximum temperature for July is 84 degrees. At Mount Wilson (elevation 5,850 feet), the 30-year average daily minimum temperature for January is 36 degrees above zero and the average daily maximum temperature for July is 81 degrees.

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 deeprooted vegetation such as chaparral. Soil moisture deficiency is greatest at the beginning of a rainy season, having been depleted by evapotranspiration process during the dry summer months. Precipitation during periods of soil moisture deficiency is nearly entirely 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 than 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 lowflows 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 percent 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 elimation of natural ponding areas and improved hydraulic efficiency of water carriers such as streets and storm drain systems.

THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

RIO HONDO SPREADING GROUNDS

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 United States 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. The District also cooperates with the United States Soil Conservation Service and Forestry Service in erosion control and debris reduction programs.

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 water conservation facilities adjacent to river channels and their tributaries permits water to be percolated into ground reservoirs for later pumping by consumers. These water conservation facilities are located in areas where the underlying soils are composed of porous sands and gravel formations resembling rice paddies, while others are deep basins which were once gravel pits.

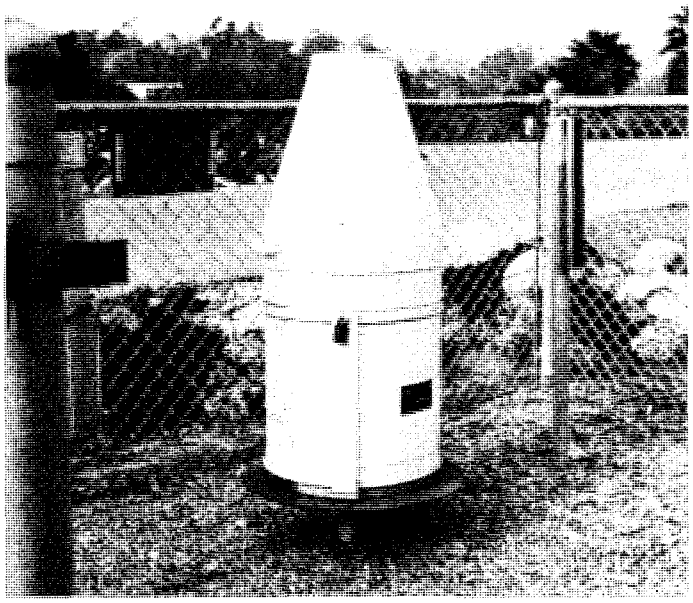
The importance of this activity is apparent when it is realized that about 35 to 45 per cent of the water used in the County is pumped from ground supplies. The growth of the County, combined with periodic droughts, seriously depleted these supplies on numerous occasions down through the years.

Other major conservation efforts by the District include combatting the serious intrusion by salt water of fresh well supplies along the Pacific Ocean and the utilization of reclaimed sewage waters in spreading operations.

ORGANIZED TO DO THE JOB

Day to day administration of District affairs is vested in the Chief Engineer who is appointed by and responsible to the Los Angeles County 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 1,600 civil service employees serve the District, and through it the general public in a variety of tasks. Many have storm assignments which place them on call 24 hours a day throughout the winter season.

PRECIPITATION



PRECIPITATION

This section contains basic precipitation data collected by the District for the water years beginning October 1, 1977 and ending September 30, 1980. In addition, the District maintains less extensive records of other climatological data such as temperature, barometric pressure, humidity, wind direction and velocity.

RAINFALL

The daily and monthly rainfall data shown herein is based on the standard gage reading. At stations equipped with both standard and 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 uses 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 savings time was observed for the periods October 1, 1977 to October 30, 1977; April 30, 1978 to October 29, 1978; April 29, 1979 to October 28, 1979; April 27, 1980 to September 30,1980.

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 program is intended to increase rainfall only 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 these reservoirs and is later released to various spreading facilities downstream to replenish the groundwater supply.

During this period, the District only engaged in weather modifications during the 1977 - 78 season.

COOPERATION

The cooperation of observers in furnishing data to the 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 this data have resulted in the large number of complete records for the seasons covered by this report.

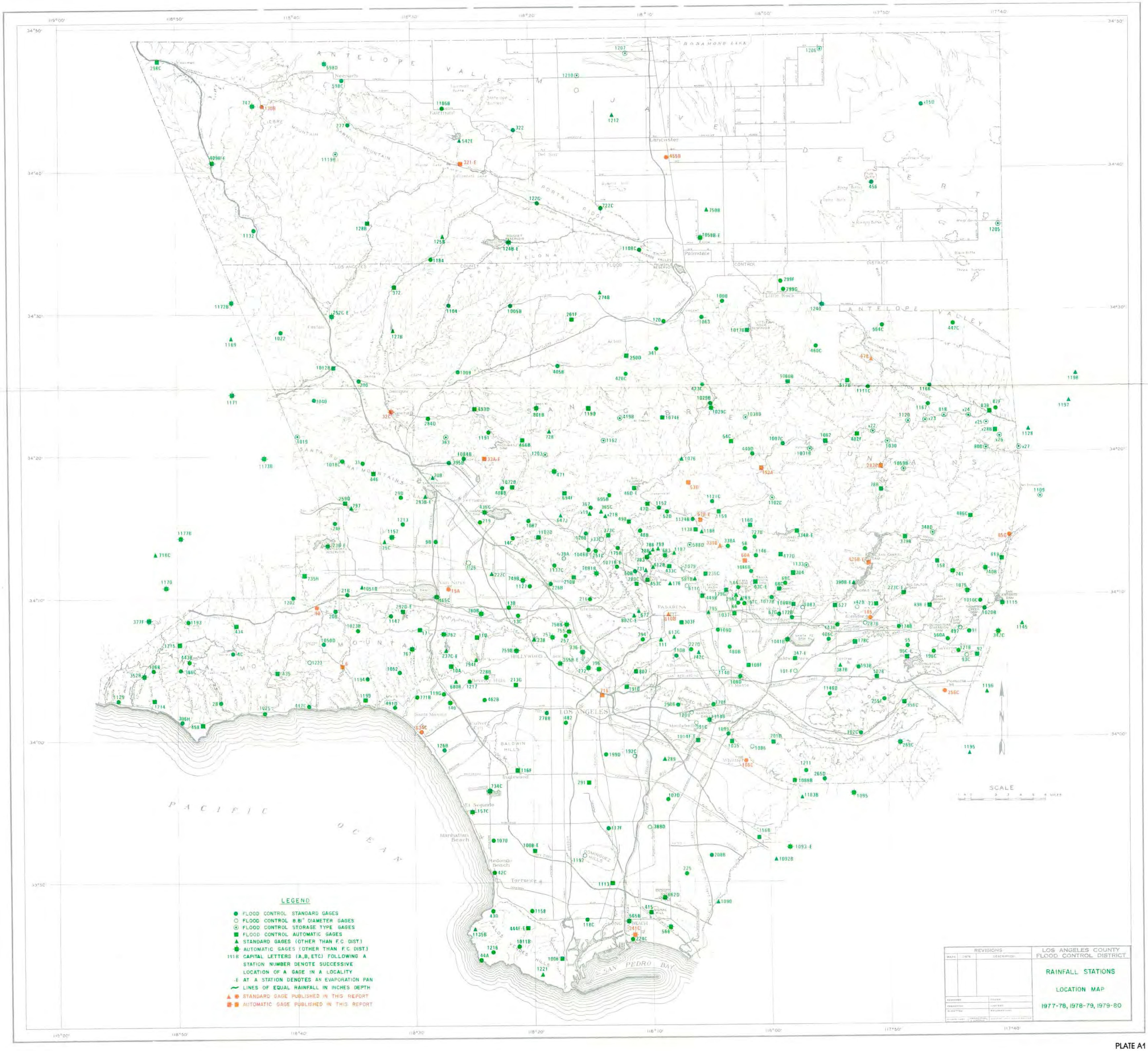

LEGEND
FLOOD CONTROL STANDARD GAGES
FLOOD CONTROL 8.81" DIAMETER GAGES
FLOOD CONTROL STORAGE TYPE GAGES
FLOOD CONTROL AUTOMATIC GAGES
STANDARD GAGES (OTHER THAN F.C. DIST.)
AUTOMATIC GAGES (OTHER THAN F.C. DIST.)
191B CAPITAL LETTERS (A,B, ETC.) FOLLOWING A STATION NUMBER DENOTE SUCCESSIVE LOCATION OF A GAGE IN A LOCALITY
-E AT A STATION DENOTES AN EVAPORATION PAN
LINES OF EQUAL RAINFALL IN INCHES DEPTH
STANDARD GAGE PUBLISHED IN THIS REPORT
AUTOMATIC GAGE PUBLISHED IN THIS REPORT
PACIFIC OCEAN
SAN PEDRO BAY
ANTELOPE VALLEY
MOJAVE DESERT
SAN GABRIEL MOUNTAINS
SANTA MONICA MOUNTAINS
LOS ANGELES
PASADENA
Lancaster
Palmdale
SCALE
REVISIONS
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
RAINFALL STATIONS
LOCATION MAP
1977-78, 1978-79, 1979-80

PLATE A1

ACTIVE RAINFALL STATIONS
1977 - 1980

STA. NO.	STATION NAME	TYPE OF GAGE	YEARS OF RECORD	ELEV. OF GAGE	THOMAS GUIDE	NORTH LATITUDE	WEST LONGITUDE	SEASONAL RAINFALL 1977-78	1978-79	1979-80
2B	ESCONDIDO CANYON	S	54	1050	112 E3	34-02-55	118-46-25	41.75	21.83	32.00
4C	MALIBU LAKESIDE	S	65	800	107 A3	34-06-09	118-45-15	INC.	DISC.	DISC.
5B	CALABASAS	S	53	924	100 F3	34-09-24	118-38-14	41.12	22.84	31.82**
6	TOPANGA PATROL STATION	A	53	745	109 C5	34-05-03	118-35-57	56.50	28.70	49.60
9B	SEPULVEDA AND RAYEN	S	52	828	B C6	34-13-52	118-28-04	37.05	21.94	29.28
10A	BEL AIR HOTEL	A	52	585	32 E5	34-05-13	118-26-45	44.80	23.90	37.70
11D	UPPER FRANKLIN CANYON RESERVOIR	SP A	53	867	33 B1	34-07-10	118-24-35	44.07	23.31	37.02
13B	NORTH HOLLYWOOD-BLIX	S	74	593	23 F4	34-09-23	118-21-56	38.22	20.79	31.28
13C	NORTH HOLLYWOOD-LAKESIDE	S	5	550	23 F4	34-08-46	118-21-13	40.95	21.49	33.02**
14C	ROSCOE-MERRILL	S	53	1050	9 E5	34-14-19	118-21-32	38.82	20.13**	27.95
15A	VAN NUYS	S	75	695	15 D6	34-10-48	118-27-03	36.69	21.85**	32.45
17	SEPULVEDA CANYON AT MULHOLLAND HIGHWAY	S A	51	1425	22 F5	34-07-51	118-29-26	47.40**	26.52	41.47**
20B	GIRARD RESERVOIR	S	59	986	13 B3	34-09-07	118-36-36	43.31	25.08	32.92
21B	WOODLAND HILLS	S	68	875	13 D1	34-10-14	118-35-33	37.31	22.51	28.73
23B-E	CHATSWORTH RESERVOIR	SP AP	55	900	6 A6	34-13-44	118-37-18	33.80	19.93**	27.77
24F	CHATSWORTH	S	52	948	6 B3	34-15-20	118-36-36	36.27	22.77	27.86
25C	NORTHRIDGE-L.A.DEPT.W&P	SP	60	810	7 B5	34-13-52	118-32-28	31.44	21.81	24.83
29D	GRANADA HILLS	S	51	1280	1 D6	34-17-09	118-30-59	INC.	DISC.	DISC.
30B	SYLMAR	SP	61	1250	2 B3	34-18-37	118-28-15	39.37	21.40	INC.
31	ORCUTT RANCH	S	32	2850	1 B1	34-19-28	118-34-14	57.99	30.08	45.11
32C	NEWHALL-SOLEDAD DIV.HDQTRS	S AP	53	1243	127 C3	34-23-07	118-31-54	45.81**	23.14	28.17
33A-E	PACOIMA DAM	S A	55	1500	145 F9	34-19-48	118-23-59	39.10	23.32	29.55
39A	SUNSET DAM	8.81	49	1610	17 F3	34-12-18	118-17-05	INC.	DISC.	DISC.
42C	REDONDO BEACH-CITY HALL	S	52	70	67 D3	33-50-43	118-23-20	26.18**	16.99	18.98
43D	PALOS VERDES ESTATES	S	55	216	67 C2	33-47-58	118-23-29	29.61	17.15	19.70
44A	POINT VINCENTE LIGHTHOUSE	S	53	125	77 B3	33-44-30	118-24-38	19.57*	11.56*	INC.
46D-E	BIG TUJUNGA DAM	S A	54	2315	F C2	34-17-40	118-11-14	58.63	30.38	41.35
47D	CLEAR CREEK-CITY SCHOOL	S A	53	3150	F D3	34-16-38	118-10-12	73.13**	31.69**	49.37
48B	OAK WILDE	S	53	2175	F D4	34-14-37	118-11-07	38.50	22.15	33.96
50B	LA CANADA-ARROYO SECO	S	52	1155	19 C4	34-11-52	118-11-05	46.29	INC.	DISC.
52D	WATERMAN GUARD STATION	S	48	3300	F E3	34-15-58	118-08-37	64.19	DISC.	DISC.
53D	COLBY'S	S A	83	3620	F F1	34-18-05	118-06-39	64.77	28.60	52.00
54C	LOOMIS RANCH-ALDER CREEK	A	64	4325	(198)	34-20-55	118-02-54	39.40	20.29	29.08
57B-E	CAMP HI HILL (OPIDS)	A	63	4250	F F3	34-15-18	118-05-41	88.51	41.90**	63.80
58	STURTEVANT CAMP	S	47	3275	20A E1	34-13-21	118-01-52	INC.	DISC.	DISC.
60A	HOEGEE'S	S A	55	2412	20A D1	34-12-32	118-02-02	81.20	35.70	67.90
63C-E	SANTA ANITA DAM	S A	53	1400	99 F2	34-11-03	118-01-12	55.71	26.92	51.09
66	SIERRA MADRE-PEGLER RANCH	S	56	658	28 D2	34-09-27	118-02-36	45.44	23.29**	40.72**
67G	MONROVIA-MOUNTAIN AVENUE	S	41	602	29 C3	34-08-46	117-59-05	41.92	22.91	37.94
68C	SAWPIT DAM	S A	54	1375	29 C1	34-10-30	117-59-07	55.39	27.56	49.47
69C	SAWPIT CANYON SCOUT CAMP	S	36	1600	20B D6	34-10-42	117-58-40	INC.	29.18**	INC.
73	GLENDORA-ENGLEWILD RANCH	S A	54	1165	87 C3	34-09-22	117-50-57	51.08	26.35	44.33**
78B	COLDBROOK RANGER STATION	A	30	3280	H A2	34-17-26	117-50-26	70.70	34.20	50.00
80B	PRAIRIE FORK	ST	32	5640	H F1	34-20-20	117-41-30	56.71	34.20	45.49
81B	VINCENT GAP	ST	27	6590	(200)	34-22-26	117-45-05	102.53	47.56	66.93
82F	TABLE MOUNTAIN	S	53	7420	(201)	34-22-56	117-40-39	37.32	16.13	25.75
83B	BIG PINES RECREATION PARK	S A	52	6860	(201)	34-22-44	117-41-20	57.95	39.19	40.75**
85G	MT. BALDY GUARD STATION	S	58	4275	H F4	34-14-12	117-39-32	INC.	DISC.	DISC.
89B-E	SAN DIMAS DAM	S A	56	1350	95A C3	34-09-10	117-46-17	51.42	26.29	42.96
91	INDIAN HILL-CLAREMONT	S	51	1403	91 B1	34-07-22	117-43-11	42.47**	23.91	38.27
92	CLAREMONT-POMONA COLLEGE	SP A	48	1185	91 C4	34-05-48	117-42-33	41.84**	21.60	36.44
93C	CLAREMONT-POLICE STATION	8.81	53	1170	91 B4	34-05-45	117-43-18	42.61	22.25**	33.99**
95	SAN DIMAS-FIRE WARDEN	S	53	955	89 F3	34-06-26	117-48-19	41.53	24.07	36.24
96C-E	PUDDINGSTONE DAM	S A	53	1030	89 F4	34-05-31	117-48-24	39.06	23.45	33.76
101F	WALNUT-PUENTE	8.81	46	350	48 E1	34-04-45	117-57-45	37.15	21.17	33.04**
102C	WALNUT-PATROL STATION	S	53	488	97 B2	34-00-12	117-52-14	35.34	25.34**	29.99**
106C	WHITTIER CITY HALL	S	53	340	55 E5	33-58-27	118-01-57	33.21	20.83	26.45
107D	DOWNEY-FIRE DEPARTMENT	S	55	110	60 A5	33-55-48	118-08-47	34.35	18.68**	28.29
108D	EL MONTE FIRE STATION	S	53	275	38 D6	34-04-30	118-02-30	35.01	22.33	33.62
108F	EL MONTE AIRPORT	A	4	302	38 E5	34-05-07	118-01-52	INC.	DISC.	DISC.
109D	WEST ARCADIA	S	55	547	28 A6	34-07-42	118-04-22	40.76	21.84	36.33
110B	ALHAMBRA	S	53	533	37 B3	34-05-40	118-07-41	38.18	22.60	37.73**
111	SOUTH PASADENA-CITY HALL	SP	53	690	37 A1	34-06-58	118-09-05	38.37	20.55	35.12**
116F	INGLEWOOD-FIRE STATION	S A	58	153	57 A1	33-57-53	118-21-22	31.70	18.30	24.80
117F	COMPTON-FIRE STATION	S	56	78	64 F3	33-53-42	118-13-34	31.57	19.48	24.17**

STA. NO.	STATION NAME	TYPE OF GAGE	YEARS OF RECORD	ELEV. OF GAGE	THOMAS GUIDE	NORTH LATITUDE	WEST LONGITUDE	SEASONAL RAINFALL 1977-78	1978-79	1979-80
118C	WILMINGTON	S	50	40	74 C3	33-47-27	118-15-30	INC.	DISC.	DISC.
119G	SAWTELLE-SOLDIERS' HOME	S	84	345	41 D2	34-03-21	118-27-20	35.17**	19.40	25.50
120	VINCENT PATROL STATION	S	54	3135	189 J1	34-29-17	118-08-27	17.36	11.42**	16.08**
122B	LEONA VALLEY-RACKETT RANCH	S	52	3300	(170)	34-37-52	118-19-22	31.27**	20.37**	26.55
124B-E	BOUQUET CANYON RESERVOIR	AP	51	3050	(169)	34-35-14	118-21-45	INC.	DISC.	DISC.
125B	SAN FRANCISQUITO CANYON POWER HOUSE NO.1	SP	63	2105	(179)	34-35-25	118-27-15	40.33*	24.54	29.78
126B	VENICE-FIRE STATION	S	50	55	49 D4	33-59-32	118-27-39	INC.	DISC.	DISC.
127B	DRY CANYON RESERVOIR	SP	59	1511	124 D1	34-28-55	118-31-32	33.81	17.72**	INC.
128B	ELIZABETH LAKE-WARM SPRINGS CAMP	S A	52	2075	(168)	34-36-28	118-33-40	47.84**	28.00	32.00**
130B	SANDBERG-QUAIL LAKE PATROL STATION	S	53	4025	(142)	34-44-37	118-42-43	41.57	20.00	17.21
140	SAWTELLE	AP	50	250	41 D3	34-02-43	118-26-55	INC.	DISC.	DISC.
143B	AZUSA-CITY PARK	S	52	610	86 D5	34-08-03	117-54-17	45.18	23.65*	37.75
144	SIERRA MADRE DAM	S	52	1100	99 D3	34-10-34	118-02-32	54.00	25.86	47.29
156B	LA MIRADA-STANDARD OIL	A	57	75	83 A4	33-52-59	118-01-00	32.90	20.80	24.30
157C	EL SEGUNDO-STANDARD OIL	S AP	52	150	56 A6	33-54-57	118-25-05	27.61	15.41	19.30
158	TANBARK FLATS	SP A	52	2750	H D5	34-12-20	117-45-40	60.95	29.31	53.96
167C	ARCADIA PUMPING PLANT NO.1	S	51	611	28 E2	34-09-31	118-02-02	45.74	22.84	40.95
169	SIERRA MADRE PUMPING PLANT	SP	55	700	28 D1	34-09-47	118-02-21	47.15	23.57	40.89
170F	POTRERO HEIGHTS	S	54	285	47 A4	34-02-32	118-04-44	32.64	20.43**	30.30
172B	DUARTE	S	39	548	29 E4	34-08-28	117-58-04	45.05	23.43	41.11**
174B	GLENDORA-WARREN	S	57	930	87 E6	34-07-43	117-49-08	45.51	25.21	38.89**
175B	LA CANADA IRRIGATION DISTRICT	S	57	2020	19 A1	34-13-39	118-12-40	53.90	26.97	42.25
176	ALTADENA-RUBIO CANYON	SP	59	1125	20 A5	34-10-55	118-08-15	46.04	24.82	40.42
178C	AZUSA VALLEY WATER CO.	A	80	620	88 F2	34-06-38	117-52-50	40.80	24.20	33.80
179G	BAILEY DEBRIS BASIN	A	83	1180	20A B3	34-10-25	118-03-38	INC.	DISC.	DISC.
185	GLENDORA-WEST	S	100	822	87 B5	34-08-23	117-51-33	46.55	25.74	38.35
191B	LOS ANGELES-ALCAZAR	S A	28	400	45 B2	34-03-46	118-11-54	31.61	21.46	31.63
192C	BELL-FIRE STATION	8.81	52	145	53 C5	33-58-45	118-11-16	30.65**	20.80	26.67
193B	COVINA-TEMPLE	S	77	580	93 C1	34-04-57	117-52-29	41.67	23.37	33.16
196C	LA VERNE-FIRE STATION	S	74	1050	90 D3	34-06-06	117-46-20	43.07	23.60**	38.90**
199D	HUNTINGTON PARK	S	53	175	52 E5	33-59-00	118-13-47	29.30**	19.17*	22.17
200	SAUGUS-SCE CO. SUBSTATION	S	52	1096	123 H8	34-25-21	118-34-26	34.77	18.33	21.90
201D	HACIENDA HEIGHTS	A	51	875	85 C3	33-59-40	117-59-28	41.60	25.80	30.00*
208B	ARTESIA	S	62	52	81 A1	33-51-48	118-04-58	29.58	18.92	24.29
210B	BRAND PARK	A	51	1250	18 B5	34-11-18	118-16-20	43.50	23.60	32.20*
213G	LOS ANGELES-HANCOCK PARK	A	51	200	42 F1	34-03-52	118-21-17	37.60	19.40	30.40
216	GLENDALE-JONES	S	54	615	25 D2	34-09-54	118-15-01	37.10	20.62**	32.35**
219	PACOIMA WAREHOUSE-COUNTY FORESTRY	S	50	955	9 B3	34-15-21	118-24-24	35.16**	21.56	27.27*
222C	NORTH HOLLYWOOD PUMPING PLANT	SP	51	717	16 C4	34-11-39	118-23-17	37.69	20.23	30.06
223C-E	BIG DALTON DAM	S A	51	1587	87 F1	34-10-06	117-48-36	56.15	29.40	48.35
224C	LONG BEACH-ALAMITOS LAND CO.	S	85	220	75 C5	33-46-01	118-11-48	23.51	18.03*	19.77
225	MONTANA RANCH	S	60	47	71 C3	33-50-35	118-07-09	27.65	19.26**	20.21
226B	BURBANK-FIRE STATION	S	51	680	17 E5	34-10-58	118-18-23	36.42**	20.48*	30.15**
227D	SAN GABRIEL-BRUINGTON-ORTON	S	49	472	37 D2	34-06-18	118-06-32	39.52**	23.14	35.80**
228B	BEVERLY HILLS-CITY HALL	S AP	55	255	33 C6	34-04-27	118-23-57	36.35	18.94	32.34
235C	HENNIGER FLATS	A 8.81	50	2550	20 F4	34-11-38	118-05-17	59.12	29.97	51.56
237C-E	STONE CANYON RESERVOIR	SP	55	865	32 D2	34-06-21	118-27-13	46.48	24.73	40.20
238	HOLLYWOOD DAM	SP	51	750	34 C1	34-07-04	118-19-55	36.44	19.21	30.04
241C	LONG BEACH-CITY HALL	S AP	52	116	75 C5	33-46-12	118-11-32	24.71	18.22	21.38**
250D	ACTON CAMP	S A	45	2625	189 E6	34-27-02	118-11-55	26.96	14.04	17.42
251C	LA CRESCENTA	S	59	1440	18 D1	34-13-20	118-14-40	52.25	26.28	38.77**
252C-E	CASTAIC DAM	SP AP	17	1150	(178)	34-29-53	118-36-53	35.10	19.19	22.90
255F	MT. SAN ANTONIO COLLEGE	S	50	720	93 C4	34-02-41	117-50-19	38.15	23.57	30.34
256C	POMONA-FIRE STATION	S	62	844	94 E3	34-03-16	117-45-10	38.83*	20.14**	31.00*
257	GRIFFITH PARK NURSERY	S	49	850	35 A1	34-07-18	118-17-04	37.29	20.01	33.08**
259D	CHATSWORTH-TWIN LAKES	S A	50	1275	122 D6	34-16-43	118-35-41	36.05	22.52	30.63
261F	ACTON-ESONDIDO CANYON	A	84	2960	181 H9	34-29-42	118-16-22	23.30	15.20	18.30
265D	PUENTE HILLS-WEISEL RANCH	S	55	645	98A C2	33-57-08	117-55-26	35.91	24.02	29.64
269C	DIAMOND BAR-HORSE CAMP	SP AP	50	870	97 F2	33-59-40	117-48-54	37.72	23.45	29.86**
274B	ACTON-HUBBARD	SP	81	3490	182 B5	34-31-31	118-13-58	21.04	15.30**	18.82
277	SAWMILL MOUNTAIN	S	49	3700	(155)	34-43-15	118-35-00	53.61	30.89	28.56**
278B	LOS ANGELES-CLARK MEMORIAL LIBRARY	S	50	203	43 D5	34-02-00	118-18-46	27.26	19.82**	23.14**
280C	FLINTRIDGE-SACRED HEART	A	48	1600	19 D6	34-10-54	118-11-08	46.70	25.00	41.10
283C	CRYSTAL LAKE	S A	49	5370	H B1	34-19-02	117-50-28	84.65	36.10	60.04
284D	PLACERITA CANYON	S	50	1485	127 G4	34-22-37	118-28-43	INC.	DISC.	DISC.
287B	GLENDORA-CITY HALL	8.81	51	785	87 B5	34-08-09	117-51-52	50.05	26.16	42.10
289	LAGUNA-BELL-SCE CO. SUBSTATION	SP	50	140	54 A5	33-58-37	118-08-48	32.67	20.40	26.90
290B	MONTEREY PARK-FIRE STATION	S	30	305	46 B4	34-02-27	118-07-42	35.16**	20.90	27.32
291	LOS ANGELES-96th AND CENTRAL	A	50	121	58 C3	33-56-56	118-15-17	28.60	19.00	21.10
292D-E	ENCINO RESERVOIR	S A	52	1075	21 D3	34-08-56	118-30-57	42.81	26.78	38.38
293B-E	LAKE LOS ANGELES (VAN NORMAN LAKE-LOWER)	SP	52	1150	2 A3	34-17-18	118-28-54	35.44	21.12	27.10
294B	SIERRA MADRE-MIRA MONTE PUMPING PLANT	SP	50	985	28 C1	34-10-11	118-02-51	52.11	25.39	44.82
298C	GORMAN-SHERIFF	S A	8	3835	(141)	34-47-47	118-51-27	INC.	16.97	16.00**
299F	LITTLE ROCK-SCHWAB	S	50	2800	184 F6	34-32-12	117-58-43	12.31	10.04	13.72**
303F	PASADENA-CAL TECH	S A	49	800	27 C5	34-08-14	118-07-25	42.14	23.49**	39.03

ACTIVE STATION LIST 1977-1980

STA. NO.	STATION NAME	TYPE OF GAGE	YEARS OF RECORD	ELEV. OF GAGE	THOMAS GUIDE	NORTH LATITUDE	WEST LONGITUDE	SEASONAL RAINFALL 1977-78	1978-79	1979-80
304	SAWPIT CANYON-DEER PARK	A	50	2690	208 E4	34-11-38	117-57-52	INC.	20.90	67.60*
306H	ZUMA BEACH	S	40	15	110 A5	34-01-15	118-49-42	25.77	16.95	21.99**
321-E	PINE CANYON PATROL STATION	S A	49	3286	157 D7	34-40-24	118-25-45	44.02	26.24	28.17
322	MUNTZ VALLEY RANCH	S	50	2600	(145A)	34-42-50	118-21-15	24.94**	17.07**	17.43
334B-E	COGSWELL DAM	S A	48	2300	G D4	34-14-37	117-57-35	83.69	40.28	60.43
336-E	SILVER LAKE RESERVOIR	SP AP	50	445	25 C3	34-06-08	118-15-54	32.91	20.49	31.15
338A	MOUNT WILSON-OBSERVATORY	S	48	5675	20A C1	34-13-32	118-03-21	79.34	47.79	DISC.
338B	MOUNT WILSON-AIRWAYS	SP	41	5709	20A B1	34-13-36	118-03-57	80.22**	47.21	55.81
341	ALISO CANYON-BLUM RANCH	S	49	2900	189 J3	34-27-33	118-09-20	24.09	15.70	18.28
342C	UPLAND-EUCLID PUMP PLANT	S AP	48	1610	91 E2	34-07-33	117-40-52	45.02	22.33**	41.16
347-E	BALDWIN PARK EXPERIMENTAL STATION	S A	48	386	39 E4	34-05-36	117-57-40	36.77	21.50	34.10
348D	EAST FORK RANGER STATION	ST	27	2075	H D4	34-14-20	117-46-09	35.62	45.69	51.38
352B	LECHUZA PATROL STATION	S AP	48	1620	105 B6	34-04-38	118-52-47	42.91	23.89	33.25
355B-E	LOS ANGELES-CITY COLLEGE	S AP	47	310	34 F4	34-05-14	118-17-28	33.50	19.78	31.39
356C	SPADRA PACIFIC COLONY(LANTERMAN)	S A	36	690	93 F4	34-02-31	117-48-35	35.64	21.57**	31.36
363	WILSON CANYON	ST	25	3175	128 B7	34-21-17	118-27-00	52.68	27.62	39.69
365C	MOUNT LUKENS	SP	34	5040	11 E1	34-16-05	118-14-06	38.77	18.53	37.55
367	HAINES CANYON-UPPER	S	63	3440	11 C2	34-16-18	118-15-07	69.00	DISC.	DISC.
372	SAN FRANCISQUITO POWER HOUSE NO.2	SP A	50	1580	(179)	34-32-02	118-31-27	39.50	21.11	25.97
373C	BRIGGS TERRACE	S A	46	2200	11 F5	34-14-17	118-13-27	56.44	29.17	42.09
377F	LAKE SHERWOOD ESTATES	SP AP	65	960	103 B4	34-08-26	118-52-31	INC.	26.84	33.60**
379B	SAN GABRIEL-EAST FORK	S A	47	1600	H C4	34-14-09	117-48-18	60.10	29.00**	48.40
386C	ZUMA CANYON-OAKLEY	S	45	1500	106 A5	34-04-58	118-49-38	53.58	26.89	41.91**
387B	COVINA CITY YARD	SP	45	508	88 D5	34-05-02	117-53-57	37.70	22.86	30.81
388D	PARAMOUNT-COUNTY FIRE DEPARTMENT	8.81	45	80	65 E5	33-53-50	118-10-02	30.46	17.12	23.54
390B-E	MORRIS DAM	SP	50	1210	86 F1	34-10-53	117-52-43	55.76	28.11	50.42
391C	MONTEBELLO FIRE DEPARTMENT	8.81	38	250	46 E6	34-01-08	118-06-15	32.39	18.31**	25.46
394	HIGHLAND PARK-LINDSAY	S	85	620	36 D1	34-07-06	118-10-39	37.71	23.63	35.38
395B	OLIVE VIEW SANITARIUM	S	46	1425	2 D1	34-19-29	118-26-55	39.34	INC.	30.71
402F	CEDAR SPRINGS	A	42	6780	(199)	34-21-21	117-52-34	65.00	34.30	52.20**
405B	SOLEDAD CANYON	S	44	2150	188 F6	34-26-23	118-17-33	34.57	20.29	23.20**
406C	WEST AZUSA	S	44	505	88 C2	34-06-53	117-54-56	43.31	23.05	33.44
409B-E	PYRAMID RESERVOIR	SP AP	44	2505	(154)	34-40-34	118-46-47	39.06	21.09**	16.84
415	SIGNAL HILL-CITY HALL	S A	43	140	75 E2	33-47-49	118-10-03	24.86	18.44	21.95
419B	SANTA CLARA RIDGE-MOUNT GLEASON	ST	40	5420	(196)	34-22-36	118-12-23	52.33	INC.	INC.
420C	ACTON-COLOMBO RANCH	S	43	3000	189 F8	34-25-41	118-11-52	30.71	15.10	20.70**
423C	ANGELES FOREST-ALISO CANYON(WAGON WHEEL)	S	43	3920	(190A)	34-24-57	118-05-26	38.87	23.37**	29.54**
425B-E	SAN GABRIEL DAM	S A	42	1481	H A5	34-12-19	117-51-38	62.60	30.39	58.22
433C	FAIR OAKS DEBRIS BASIN	A	42	1585	20 B3	34-12-15	118-08-18	47.20	25.60	44.30
434	AGOURA	S A	42	800	101 A5	34-08-08	118-45-08	38.39	23.37	31.50
435	MONTE NIDO	S A	42	600	108 A6	34-04-41	118-41-35	50.40	25.79	40.50
436C	HANSEN DAM	AP	42	1110	9 C2	34-16-08	118-23-59	46.45	21.15	26.05**
440D	CHILAO-U.S.F.S. CAMP	S	41	5220	6 B1	34-20-00	118-01-23	52.20	26.88	37.15**
442C	MESCAL CREEK	S	41	3570	(194)	34-29-05	117-44-10	14.28	9.47**	11.37
443B	LATIGO CANYON-BEACH RANCH	S	41	1700	106 B4	34-05-35	118-48-52	54.66**	INC.	39.48**
444F-E	ROLLING HILLS-SO.COAST BOTANICAL GARDENS	S A	51	400	73 B4	33-47-00	118-20-35	33.46	21.77	25.28
446	ALISO CANYON-OAT MOUNTAIN	S A	41	2367	1 A2	34-18-53	118-33-25	44.00	25.90	39.80
447C	CARBON CANYON	S	41	50	114 D4	34-02-18	118-38-56	35.84**	19.21**	31.32**
449B	EATON WASH DAM	S A	43	880	27 E1	34-10-06	118-05-33	44.95	22.60	36.45
453C	DEVILS GATE DAM	S A	41	1090	19 D6	34-11-08	118-10-19	44.74	INC.	INC.
455B	LANCASTER STATE HWY MAINTENANCE STA.	S	40	2395	160 B5	34-40-57	118-08-02	13.32	11.33	13.24**
456	PIUTE BUTTE	S	40	2680	171 H1	34-39-02	117-50-57	10.67	9.60	12.01
458	ZUMA CANYON PATROL STATION	A	40	115	110 C4	34-01-10	118-47-46	37.00	20.60	27.60
460C	PLEASANT VIEW MESA	S	39	3960	192 A3	34-27-40	117-55-51	22.61	13.02	DISC.
462B	HILLCREST COUNTRY CLUB-LOS ANGELES	S	40	185	42 B3	34-02-54	118-24-06	39.30	18.78	30.02
465C	SEPULVEDA DAM	AP	35	683	22 B1	34-10-06	118-28-11	36.73	21.13**	32.69
466B	PACOIMA CANYON-DUTCH LOUIE	A	39	3220	(195)	34-21-07	118-20-38	53.90	24.40	INC.
471	LITTLE TUJUNGA-GOLD CREEK	AP	39	2750	F D5	34-18-57	118-18-02	INC.	INC.	INC.
477D	SANTA ANITA-SPRING CAMP	S A	39	4655	6 B4	34-12-52	117-58-56	82.90	INC.	61.70
478	VALYERMO-U.S.F.S.HEADQUARTERS	SP	38	3710	201 H4	34-26-44	117-51-10	26.54	10.35	14.37**
480B	TEMPLE CITY FIRE STATION	S	35	404	38 C2	34-06-31	118-03-25	28.68	21.15	35.82**
482	LOS ANGELES-U.S.C.	S	38	208	44 A6	34-01-14	118-17-15	31.45	19.40	24.48**
486C	WALKER RANCH	A	36	3720	H E3	34-15-30	117-42-57	60.70	DISC.	DISC.
488B	KAGEL CANYON PATROL STATION	S	37	1450	3 E4	34-17-45	118-22-30	37.14	20.23	29.00**
491D	PACIFIC PALISADES	S	36	293	40 C4	34-02-22	118-31-43	39.89	19.66**	30.19
492A	CHILAO-STATE HIGHWAY MAINTENANCE STA.	A	36	5280	6 C1	34-19-02	118-00-30	67.10	26.60**	38.70**
493D	SAND CANYON-McMILLAN RANCH	S A	36	1805	145 D3	34-23-17	118-24-50	46.78	26.77	DISC.
497	CLAREMONT-SLAUGHTER	8.81	32	1350	91 A1	34-07-35	117-43-55	42.02	21.88	36.98
498	DARK CANYON TRAIL-ANGELES CREST HIGHWAY	A	36	2800	F C3	34-15-21	118-11-45	59.40	31.30	46.10
517B	LEWIS RANCH	S A	62	4615	(192A)	34-25-12	117-53-11	43.82	19.75	26.37
542E	FAIRMONT	SP	71	3050	(145)	34-42-15	118-25-40	39.87	24.30	20.60
560A	LA VERNE HEIGHTS	S	37	1210	90 E2	34-06-48	117-45-02	42.38	22.76	36.90
564C	LLANO	S	50	3390	159 H8	34-29-13	117-50-02	16.89	11.59	13.43
565B	LONG BEACH-CITY AUTOMATIC	AP	33	11	75 B3	33-47-16	118-12-08	22.50	16.72	16.11
566	LONG BEACH NO.1	SP AP	55	15	76 A4	33-46-46	118-08-36	26.33	17.98	20.53

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STA. NO.	STATION NAME	TYPE OF GAGE	YEARS OF RECORD	ELEV. OF GAGE	THOMAS GUIDE	NORTH LATITUDE	WEST LONGITUDE	SEASONAL RAINFALL 1977-78	1978-79	1979-80
588D	MOUNT LOWE	ST	52	4435	F F5	34-13-37	118-06-33	71.29	36.41	48.96
591B	SANTA ANITA RESERVOIR	SP	9	1205	27 E1	34-11-08	118-06-16	41.70	21.58	41.47
598C	NEENACH-ERSTAD	S	24	3062	(143)	34-46-28	118-35-55	INC.	16.72**	13.96
598D	NEENACH-CHECK 43-CALIFORNIA D.W.R.	SP AP	1	2965	(143)	34-47-40	118-37-15	N.I.	N.I.	INC.
610B	PASADENA-CITY HALL	SP	45	864	27 A4	34-08-54	118-08-36	41.59	24.61	39.63
611C	ALTADENA GOLF COURSE-DEBRIS BASIN	8.81	80	1186	20 C6	34-10-48	118-07-01	INC.	DISC.	38.74**
612B	PASADENA-CHLORINE PLANT	SP	64	1160	36 A5	34-12-04	118-09-49	49.00	25.60	40.47
613C	PASADENA-HURLBUT FIRE STATION	SP	41	779	27 B5	34-07-15	118-08-05	41.62	23.83**	43.18**
619	SAN ANTONIO CANYON-SIERRA POWER HOUSE	A	75	3110	H F5	34-12-29	117-40-26	75.70**	33.80	61.40**
627	SAN GABRIEL CANYON-POWER HOUSE	SP A	81	744	86 D4	34-09-20	117-54-28	50.92	26.24	44.83
634C	SANTA MONICA	S	53	94	49 A1	34-00-43	118-29-27	29.52	17.24	27.12
647J	TUJUNGA	SP	63	1685	10 F3	34-15-45	118-17-34	44.63	24.53	32.43
662D	LONG BEACH AIRPORT-W.S.O.	AP	60	34	71 A5	33-49-00	118-09-00	27.26	18.17	20.70
672	EAGLE ROCK-S.C.E. CO. SUBSTATION	SP	46	950	26 C5	34-09-02	118-10-57	41.24	23.06	37.94
680B	WESTWOOD-U.C.L.A.	SP	48	430	41 E1	34-04-10	118-26-30	INC.	19.07	34.44*
683	SUNSET RIDGE GUARD STATION	S AP	39	2110	20 A1	34-12-53	118-08-47	47.66	22.94	39.13
694F	BIG TUJUNGA CANYON-CAMP 15	A	24	1525	F A2	34-17-22	118-17-17	38.70	19.80	28.00
695B	TUJUNGA CANYON-VOGEL FLAT	S	45	1850	F B2	34-17-12	118-13-32	64.98	31.65	44.69
716	LOS ANGELES-DUCOMMUN ST.	SP A	108	306	44 E3	34-03-09	118-14-13	31.53	19.88	28.66
718C	THOUSAND OAKS WEATHER STATION	SP	37	800	V.CO.	34-13-06	118-51-56	34.12	21.19	25.70
722C	BELLEVIEW	S	33	2880	171 B5	34-37-23	118-13-55	23.42	17.90	18.43
727B	NEWCOMB PASS	S	33	4025	(198)	34-14-17	118-01-04	INC.	DISC.	DISC.
728	PACOIMA CANYON-CITY ROAD GAGE	SP	35	3175	145 G6	34-21-42	118-18-25	62.82	35.21	47.10
731	OAK GROVE HDQTRS-U.S.F.S.FLOOD CONTROL	SP	35	1080	19 D4	34-11-47	118-10-29	44.96	21.90	33.59
734C	LOS ANGELES INTERNATIONAL AIRPORT	SP AP	39	105	56 C3	33-56-25	118-23-44	26.47	13.53	INC.
735H	BELL CANYON	A	28	895	5 D4	34-11-40	118-39-23	37.60	21.10	26.10
740B	SAN DIMAS CANYON-FERN NO.2	AP	39	5200	H E6	34-11-48	117-41-45	INC.	INC.	INC.
741	SAN DIMAS CANYON-UPPER EAST FORK	AP	46	2675	H D5	34-11-41	117-44-26	INC.	INC.	INC.
742C	SAN GABRIEL-FIRE DEPARTMENT	SP	41	445	37 E3	34-06-11	118-05-56	39.61	22.86	34.59**
747	SANDBERG-AIRWAYS STATION	AP AP	48	4517	(142)	34-44-47	118-43-29	30.73	14.89	13.90
749B	BURBANK	SP AP	49	655	17 A5	34-11-11	118-20-54	36.64	18.96	31.31
750B	PALMDALE-F.A.A. AIRPORT	SP	22	2528	172 J6	34-37-20	118-05-00	INC.	10.07	12.56
755	GRIFFITH PARK-LITTLE CANYON	AP	33	900	25 A6	34-07-32	118-16-58	36.42**	19.47	31.62
757	GRIFFITH PARK-FERN DELL	AP	33	750	34 E1	34-07-12	118-18-20	INC.	18.67	32.36
758B	GRIFFITH PARK-LOWER SPRING CANYON	AP	33	455	25 A5	34-08-10	118-17-02	36.47	17.69	27.53*
759B	NICHOLS DEBRIS BASIN	AP	32	440	33 F3	34-06-10	118-21-23	42.41	17.75	31.01
760B	STUDIO CITY-BEEMAN AVENUE	AP	33	627	23 B4	34-08-58	118-24-24	INC.	21.42	INC.
762	UPPER STONE CANYON	AP	33	943	32 D1	34-07-27	118-27-15	INC.	26.04	INC.
767	MANDEVILLE CANYON ROAD	SP AP	34	1160	30 F1	34-06-24	118-30-10	INC.	23.77	INC.
771B	PACIFIC PALISADES-RIVIERA COUNTRY CLUB	S	4	315	40 F2	34-03-03	118-29-58	34.37	18.94	28.76
772	LOS ANGALES-ECHO PARK AND LUCRETIA	AP	33	475	35 C3	34-05-02	118-15-11	32.78	19.33	31.24**
783	COON CANYON	SP AP	32	1350	19 D2	34-12-47	118-10-12	49.39	24.43	40.23
786	COON CANYON	SP	32	2250	19 D3	34-13-18	118-09-47	43.14	24.05	INC.
788	COON CANYON	SP	32	1710	19 D3	34-12-56	118-10-00	47.62	23.91	INC.
789	EL PRIETO CANYON	SP	32	2325	19 F1	34-13-32	118-09-19	51.15	INC.	INC.
794E	LOWER FRANKLIN RESERVOIR	SP	32	585	33 B3	34-05-43	118-24-40	37.48	20.57	34.35
795	PASADENA-JOURDAN	SP	31	705	27 F4	34-08-52	118-05-14	44.61	24.31	37.45**
796	ELYSIAN PARK-FIRE DEPARTMENT	AP	32	757	35 E5	34-04-55	118-14-22	INC.	17.69	28.46**
797	DE SOTO RESERVOIR	SP	32	1127	6 D1	34-16-17	118-35-12	37.23	22.71	26.38
801B	MAGIC MOUNTAIN	AP	33	4720	(195)	34-23-18	118-19-27	INC.	INC.	INC.
802C-E	EAGLE ROCK RESERVOIR	SP	33	970	26 C4	34-08-47	118-11-20	36.48	21.53	29.89
807	ASCOT RESERVOIR	SP A	33	620	36 C5	34-04-46	118-11-14	34.37	22.00	31.87
1000	HUNT CANYON-BONES RANCH	S	32	3263	183 H7	34-30-48	118-03-37	INC.	DISC.	DISC.
1005B	MINT CANYON FIRE STATION	S	34	2300	125 A7	34-30-35	118-21-40	26.41	18.59	21.68
1006	SAN PEDRO-CITY RESERVOIR	S A	36	150	78 F2	33-44-37	118-17-47	30.87	20.05	21.37
1007C	ANGELES CREST HIGHWAY-CAMP VALCREST	S	32	5920	(198)	34-20-40	117-58-41	NR	INC.	DISC.
1008-E	LA FRESA-S.C.E.CO. SUBSTATION	S A	34	65	63 C4	33-52-07	118-19-55	27.13	18.72	21.05
1009	MINT CANYON	S	34	1625	125 B7	34-26-04	118-26-06	29.79	18.77	20.49
1010C	PALMER CANYON-FORKS	S	31	2160	96 D2	34-09-32	117-42-06	INC.	DISC.	DISC.
1011B	PALOS VERDES FIRE STATION	S	33	1275	77 F1	33-45-25	118-21-11	28.43	17.41	23.85
1012B	CASTAIC JUNCTION	S A	33	1005	123 E6	34-26-18	118-36-43	31.98	16.19	23.60
1014F-E	RIO HONDO SPREADING GROUNDS	S A	53	170	54 D3	33-59-57	118-06-04	30.35	20.20	29.30
1017B	LITTLE ROCK CREEK ABOVE DAM	A	33	3280	(191)	34-28-41	118-01-24	20.90	INC.	18.60
1018C	OAT MOUNTAIN LOOKOUT	S	22	3740	1A C1	34-19-45	118-36-00	INC.	DISC.	DISC.
1019	SANTA SUSANA MOUNTAINS-SALT CANYON	ST	32	2850	126 A3	34-21-24	118-39-42	45.22	24.19	32.44
1020B	PADUA HILLS PATROL STATION	S	32	1800	96 D4	34-08-52	117-41-55	50.60	24.77	41.93**
1022	HASLEY CANYON	S	30	1725	123 A3	34-28-44	118-41-04	38.16	DISC.	DISC.
1023B	SANTA MARIA CREEK-SPEER	S	28	1415	13 E5	34-07-44	119-34-42	48.78	27.35	44.93
1025	MALIBU BEACH-DUNNE	S	31	160	113 E5	34-02-00	118-42-42	28.99	17.05	22.98
1029B	TUJUNGA-MILL CREEK SUMMIT-CO.ROAD DEPT	S	31	4970	(197)	34-23-25	118-04-50	39.68	INC.	32.31*
1029C	TUJUNGA-MILL CREEK SUMMIT RANGER STATION	AP	31	4990	(197)	34-23-22	118-04-49	41.36	25.14	35.07
1030	MOUNT ISLIP-LITTLE JIMMY CAMPGROUND	ST	31	7520	(200)	34-20-50	117-49-57	104.27	53.61	72.55
1031B	MOUNT WATERMAN	ST	28	7960	(199)	34-20-23	117-56-21	69.20	34.42	INC.
1035	WHITTIER-WOOD	S A	30	280	55 D3	33-59-52	118-03-10	33.29	21.56	27.06
1037	ARCADIA-ARBORETUM	S A	30	565	28 C4	34-08-48	118-02-59	40.17	21.48	35.10

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1038B	MOUNT PACIFICO	ST	30	6880	(198)	34-22-40	118-01-44	47.04	27.90	38.09
1040	POTRERO CANYON-SUNRAY DX OIL CO.	S	29	1150	126 E3	34-23-50	118-38-18	37.70	21.26	26.64
1041B	SANTA FE DAM	AP	31	427	39 E1	34-07-04	117-58-24	37.90	20.18	32.46**
1046B	SANTA ANITA CANYON-CHANTRY FLAT	S	28	2175	20A F1	34-11-46	118-01-20	68.10	30.85	57.73
1048B	LA CRESCENTA-L.A.CO.ROAD DEPT.	S	29	1410	18 C1	34-13-27	118-15-23	55.47	26.49	43.18
1050D	OLD TOPANGA CANYON	S	25	1050	109 A3	34-06-40	118-37-41	53.98	INC.	43.27
1051B	CANOGA PARK-PIERCE COLLEGE	SP	31	800	12 E5	34-10-51	118-34-23	37.14	22.41	28.03
1052	CAMP JOSEPHO	S	28	660	40 E1	34-04-51	118-31-10	49.26	26.67**	INC.
1058B-E	PALMDALE	SP AP	26	2595	172 F7	34-35-17	118-05-31	15.09	11.16	13.76
1059B	SOUTH MOUNT HAWKINS	ST	27	7700	H B1	34-18-46	117-48-32	78.07	41.25	54.67
1060B	LITTLE ROCK-SYCAMORE CAMP	A	27	4000	(191)	34-25-02	117-58-13	32.20	15.80	21.30
1062	BUCKHORN FLAT	A	27	6760	(199)	34-20-44	117-55-08	86.50	37.30	44.50*
1063	SOLEDAD PASS	S	27	3520	189 E9	34-29-35	118-05-28	20.99	14.82	18.66**
1068	RATTLESNAKE CANYON-CAMP NO.13	S	27	1290	(198)	34-05-00	118-51-55	42.89	26.11**	INC.
1070	MANHATTAN BEACH	S	27	182	62 D4	33-53-00	118-23-19	27.31	16.85	19.78
1071B-E	DESCANSO GARDENS	S	27	1325	19 B3	34-12-07	118-12-46	45.52	24.30	37.15
1072B	LITTLE TUJUNGA RANGER STATION	SP A	27	1275	F C5	34-17-37	118-21-38	37.29	19.18	31.12
1074-E	LITTLE GLEASON	S A	25	5600	(197)	34-22-43	118-08-57	58.94	29.37	35.46
1075	UPPER WOLFSKILL	AP	38	3625	H E6	34-10-13	117-43-16	INC.	INC.	INC.
1076	MONTE CRISTO RANGER STATION	SP	26	3360	F E1	34-19-42	118-07-20	49.72	22.66**	34.12**
1077B	MONROVIA-FIVE POINTS	S	26	962	29 B1	34-09-58	117-59-37	49.82	26.06**	46.30
1078	COVINA-GRIFFITH	S A	26	975	93 C1	34-04-10	117-50-47	39.32	21.47	35.37*
1079	RUBIO DEBRIS BASIN	8.81	24	1653	20 C4	34-11-57	118-07-22	46.25	DISC.	DISC.
1080B	BRADBURY DEBRIS BASIN	A	25	935	29 D3	34-09-23	117-57-58	51.00	24.70	45.30*
1081B	GLENDALE-GREGG	SP AP	26	1350	18 D4	34-11-45	118-14-30	43.99	23.00	36.01
1083	MADDOCK DEBRIS BASIN	8.81	23	905	29 F3	34-09-17	117-57-05	45.17	DISC.	DISC.
1084B	MAY DEBRIS BASIN	S	17	1680	2 F1	34-19-50	118-25-45	39.23	DISC.	DISC.
1086	TURNBULL DEBRIS BASIN	8.81	24	495	55 F4	33-59-18	118-01-30	INC.	DISC.	DISC.
1087	GREEN-VERDUGO PUMPING PLANT	S	25	1340	10 B3	34-15-25	118-20-11	38.31	19.58	30.45
1088B	LA HABRA HEIGHTS-MUTUAL WATER CO.	S A	25	445	84 E2	33-56-55	117-57-51	34.33	23.67	26.63
1090	LOS ALAMITOS	SP	48	25	81 B6	33-48-35	118-04-35	INC.	INC.	23.83
1092B	BUENA PARK	3"P	53	80	O.CO.	33-51-28	117-59-29	32.85	21.75	24.20
1093-E	FULLERTON AIRPORT	SP AP	26	100	O.CO.	33-52-23	117-58-24	32.35	19.65	23.02
1095	ORANGE COUNTY RESERVOIR	SP AP	39	660	O.CO.	33-56-07	117-52-58	34.03	22.42	26.39**
1099	WHITTIER-CATE	S	23	280	55 C2	34-00-20	118-03-30	INC.	DISC.	DISC.
1102C	BOBCAT CANYON-SAN GABRIEL WEST FORK	ST	25	5160	G C2	34-17-02	117-59-40	INC.	INC.	48.10
1104	BOUQUET CANYON AT TEXAS CANYON	S	25	1760	(180)	34-30-35	118-27-00	28.86	17.17	22.56
1105B	FAIRMONT	S	25	2855	(145)	34-44-23	118-27-15	N.R.	16.83	16.91
1107D	LA TUNA DEBRIS BASIN	A	25	1160	10 C5	34-14-13	118-19-37	38.40	13.20**	28.80
1108C	PLATT RANCH	S	4	2945	171 F9	34-34-28	118-10-53	21.09	12.67	INC.
1109	MOUNT BALDY	ST	25	8650	H F2	34-16-53	117-37-00	87.30	55.48	N.R.
1111C	DEVILS PUNCHBOWL	S	20	4760	(199)	34-24-48	117-51-25	51.30	19.06	26.07
1113	DOMINGUEZ WATER CO.	S A	44	30	69 F4	33-49-54	118-13-30	27.98	18.65	20.61
1114B	WHITTIER NARROWS DAM	AP	24	239	47 A6	34-01-29	118-05-02	32.01*	19.45	27.90
1115	SAN ANTONIO DAM	AP	24	2120	96 F3	34-09-24	117-40-20	47.78	24.09	45.32
1119B	ATMORE MEADOWS	ST	19	4325	(155)	34-41-18	118-36-16	54.75	30.71	29.58
1120	DAWSON SADDLE	ST	24	7900	(200)	34-22-08	117-48-10	INC.	N.R.	39.78
1121C	BARLEY FLAT	S	22	5525	G A3	34-16-40	118-04-40	84.04	N.R.	N.R.
1124B	RED BOX GAP	S	21	4625	F F3	34-15-30	118-06-18	INC.	DISC.	N.R.
1126	LOS ANGELES WATER DEPARTMENT-EAST VALLEY	8.81	23	780	16 A2	34-12-30	118-24-35	35.17	21.41	28.93
1127	WEST BURBANK	S	22	615	17 B6	34-10-47	118-20-07	40.25	19.61	30.47
1128	WRIGHTWOOD FIRE DEPARTMENT	SP	23	5960	S.B.CO.	34-21-34	117-37-57	52.69	INC.	31.20
1129	NICHOLAS CANYON	S	22	340	110 D3	34-02-52	118-54-57	29.40	17.12	25.52
1132	OAK FLAT GUARD STATION	S	22	2800	(166)	34-35-56	118-43-15	53.08	27.42	33.95
1133	FISH CANYON	ST	21	2600	G E6	34-12-23	117-56-43	N.R.	N.R.	N.R.
1135B	LUNADA BAY	SP	22	250	72 A4	33-46-37	118-25-01	24.53	11.38*	17.89**
1137C	STOUGH PARK	S	21	1160	17 E3	34-12-17	118-18-15	39.15	INC.	N.R.
1138	MOUNT DISAPPOINTMENT	A	21	5725	F F4	34-14-42	118-06-07	79.10	37.20*	59.40
1140	ROSEMEAD	8.81	20	305	38 B5	34-04-53	118-03-55	38.72	20.05	INC.
1145	UPLAND	SP	21	1605	S.B.CO.	34-07-57	117-38-38	44.50	INC.	40.78
1146	SANTA ANITA CANYON-HELIPORT	S	17	2575	20A F1	34-12-52	118-01-05	INC.	N.R.	N.R.
1147	EL CABALLERO COUNTRY CLUB	S	20	1000	21 C3	34-08-52	118-31-53	42.82	25.99	36.99
1148B	SAN JOSE HILLS	S	20	440	92 D3	34-03-00	117-54-53	40.22	24.13	INC.
1152	CLEAR CREEK RANGER STATION	S	20	3625	F D3	34-16-15	118-09-11	68.45	26.78	INC.
1157	CALIFORNIA STATE UNIVERSITY-NORTHRIDGE	SP AP	18	890	7 C5	34-14-17	118-31-48	33.25	22.25	26.10
1158	TORRANCE MUNICIPAL AIRPORT	S	21	102	73 B2	33-47-59	118-20-08	30.33	20.23	23.00
1159	SHORTCUT CANYON-WEST FORK	A	12	4425	G B3	34-15-55	118-04-08	INC.	DISC.	DISC.
1160	SAN GABRIEL CANYON-WEST FORK HELIPORT	A	16	3200	G B3	34-15-02	118-01-30	88.30	INC.	60.90**
1162	IRON MOUNTAIN	ST	17	5320	(196)	34-21-06	118-13-46	56.97	27.59	38.00
1166	MILE HIGH RANCH	S	8	5280	(201)	34-24-40	117-46-15	41.05	19.36	INC.
1167	FENNER CANYON	S	13	5380	(200)	34-23-25	117-46-27	INC.	N.R.	N.R.
1169	LAKE PIRU	SP	26	1150	V.CO.	34-28-22	118-45-21	45.41	25.44	32.53
1170	WATER WORKS DISTRICT NO.6	AP	24	805	102A F2	34-10-44	118-51-01	34.12	21.19	25.70
1171	CAMULOS RANCH	SP AP	24	725	V.CO.	34-24-22	118-45-21	39.00	22.20	28.70
1172B	PIRU CANYON ABOVE PIRU LAKE	AP	24	1150	V.CO.	34-30-48	118-45-24	44.08	25.11	31.33**

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1173B	TAPO CANYON	AP	19	1525	V.CO.	34-19-54	118-42-39	INC.	23.65	32.84
1177B	BARD RESERVOIR	AP	14	1010	V.CO.	34-14-32	118-49-41	26.63	18.63	20.98
1183B	LA HABRA FIRE STATION	3" P	51	315	O.CO.	33-55-53	117-57-17	INC.	23.38	19.03
1184	SAN FRANCISQUITO CANYON CAMP 17	S	12	1840	(169)	34-33-55	118-28-28	38.14	N.R.	26.25
1187	MILLARD-CAMP SIERRA	SP	9	2760	20 A2	34-13-04	118-07-58	52.53	26.30	45.07
1188	EATON-MARKHAM SADDLE	SP	9	5400	F F4	34-14-31	118-05-38	50.70	28.16	INC.
1190	PACOIMA CANYON-NORTH FORK RANGER STA.	S A	11	4180	(195)	34-23-17	118-15-06	58.59	26.98	38.00
1191	BEAR DIVIDE	S	10	2700	145 F6	34-21-35	118-23-37	53.31	28.57	39.36
1192	CARSON FIRE STATION	8.81	7	92	64 C6	33-52-04	118-15-45	29.03**	15.28*	19.01
1193	WESTLAKE VILLAGE	S	7	885	102 A5	34-08-19	118-49-05	INC.	19.56	26.61**
1194	SANTA YNEZ RESERVOIR	S	13	735	109 F6	34-04-23	118-33-59	40.55	22.74	38.73
1195	CHINO FIRE STATION NO.2	SP	36	655	S.B.CO.	33-59-00	117-43-20	33.88	21.62	29.52*
1196	MONTCLAIR FIRE DEPARTMENT	SP	23	965	95 E2	34-03-41	117-41-16	39.74	21.54	34.64
1197	CAJON WEST SUMMIT	SP	37	4838	S.B.CO.	34-23-30	117-34-35	25.70	15.70	17.20
1198	PHELAN FIRE CONTROL	SP	23	4160	S.B.CO.	34-25-30	117-34-00	16.92	7.62	14.64
1199	CLOUDCROFT DEBRIS BASIN	A	7	350	122 F1	34-02-58	118-34-12	42.60	23.30	38.70
1202	CAMP CISQUITO	S	5	1135	157A D4	34-10-04	118-40-03	43.45	23.27	33.54
1203	LITTLE TUJUNGA-ALDER CREEK	ST	5	2625	F C5	34-20-03	118-18-50	37.84	21.92	30.43
1205	MOODY SPRING	ST	5	2915	(176)	34-36-04	117-40-23	9.48	8.19	N.R.
1206	MUROC	ST	5	2310	(150)	34-48-26	117-55-03	10.16	7.56	8.81
1207	ROSAMOND-WEST	ST	5	2340	147 F1	34-48-14	118-11-35	13.37	10.57	9.44
1208	LA CRESCENTA-VIRGITH	S	2	1707	11 C5	34-14-30	118-15-25	INC.	DISC.	DISC.
1209	SAN JOSE CHANNEL ABOVE WORKMAN MILL ROAD	B.81	4	275	47 F5	34-01-55	118-06-39	31.65	20.37	INC.
1210	NEENACH	ST	2	2413	147 A4	34-46-42	118-15-48	N.R.	12.91	11.00
1211	HACIENDA GOLF CLUB	S	3	750	98A A1	33-57-40	117-56-57	INC.	26.12	29.92**
1212	LANCASTER FSS/FAA	SP	6	2340	159 C4	34-44-00	118-13-00	15.45	10.16	10.18
1213	NORTHRIDGE-DAVIS	S	7	950	7 D3	34-15-15	118-30-58	33.62	INC.	N.R.
1214	ENCINAL CANYON-FIRE STATION	S A	2	175	111 B4	34-02-52	118-52-07	N.R.	INC.	27.40
1215	SANTA MONICA MOUNTAINS-CAMP KILPATRICK	A	2	1775	105 E4	34-06-45	118-49-52	N.R.	INC.	36.90
1216	PALOS VERDES-MONACO	S	1	780	72 C1	33-45-10	118-23-32	N.R.	N.R.	17.64
1217	LOS ANGELES COUNTRY CLUB	S	62	380	42 A1	34-04-10	118-25-17	38.78	19.99	34.74
1218	POMONA-CATE	S	3	1150	90 F4	34-05-57	117-44-05	INC.	22.07	35.69**
1221	SAN PEDRO-BOWSER	4" P	3	400	78 C4	33-43-33	118-19-22	INC.	15.64	19.64
1223	WOODLAND HILLS-SHERMAN	B.81	12	1035	100 E1	34-05-29	118-38-53	36.95	22.06	24.18
1240	PEARBLOSSOM-CALIF.D.W.R. BOOSTER STA.	SP AP	1	3050	185 B7	34-30-32	117-55-15	N.R.	N.R.	INC.
X15D	HI VISTA	S	29	3087	(151)	34-44-31	117-46-43	12.31	8.94	10.34
X19	COOKS CANYON	SP	24	3400	11 C2	34-15-52	118-15-11	49.75	23.88	INC.
X21B	MT. LUKENS HELIPORT-UPPER DUNSMORE CYN.	SP	24	3290	11 E2	34-15-38	118-13-47	56.81	22.84	INC.
X22	ISLIP SADDLE	ST	23	6680	(199)	34-21-27	117-51-05	73.70	38.12	47.50
X23	DORR CANYON	ST	23	7280	(200)	34-22-16	117-46-51	66.55	24.00	44.87
X24	GRASSY HOLLOW	ST	23	7360	(201)	34-22-30	117-43-05	42.75	27.13	26.94
X25	BEAR GULCH	ST	23	7880	(201)	34-21-58	117-41-27	INC.	32.75	47.94
X26	BLUE RIDGE CAMP	ST	23	8450	(201)	34-20-57	117-40-23	22.09	14.93	18.87
X27	GUFFY'S CAMP	ST	23	8080	(201)	34-20-20	117-38-55	54.28	34.50	25.68
X28B	HOLIDAY HILL	A	21	8130	(201)	34-21-29	117-40-54	INC.	DISC.	DISC.
X33	EAGLE DEBRIS BASIN	8.81	19	1890	11 E5	34-14-07	118-14-12	49.46	DISC.	DISC.
X42B	HOOK DEBRIS BASIN-EAST	8.81	10	1250	86 F3	34-09-15	117-52-35	48.94	DISC.	DISC.

LEGEND REGARDING GAGE TYPE, OWNERSHIP, AND RAINFALL AMOUNTS.

S	STANDARD 8" DIAMETER NON RECORDING GAGE OWNED BY FLOOD CONTROL DISTRICT
A	AUTOMATIC RECORDING GAGE OWNED BY FLOOD CONTROL DISTRICT
ST	STORAGE TYPE GAGE OWNED BY FLOOD CONTROL DISTRICT
8.81"	8.81" DIAMETER NON RECORDING GAGE OWNED BY FLOOD CONTROL DISTRICT
3"P	3" NON RECORDING GAGE OWNED BY OUTSIDE INTERESTS
4 1/2"P	4 1/2" 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
DISC.	DISCONTINUED
( )	THOMAS GUIDE FUTURE PAGE ASSIGNMENT

PLATE A2

PLATE A3


ANTELOPE VALLEY
SAN GABRIEL MOUNTAINS
SANTA SUSANA MOUNTAINS
SANTA MONICA MOUNTAINS
PACIFIC OCEAN
SAN PEDRO BAY
LOS ANGELES
PASADENA
HOLLYWOOD
SCALE
REVISIONS
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
ISOHYETAL MAP
1978-79 SEASON

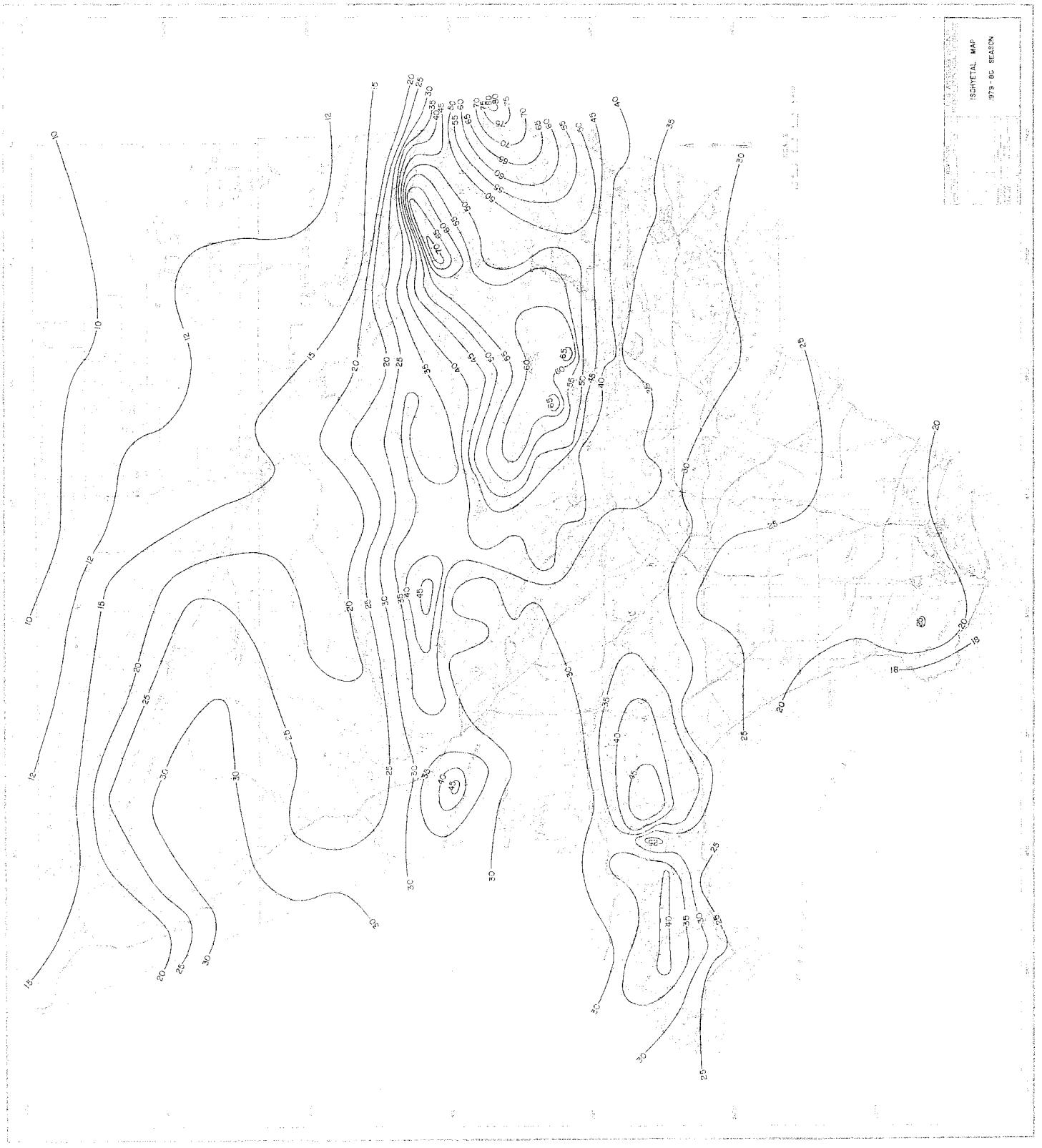
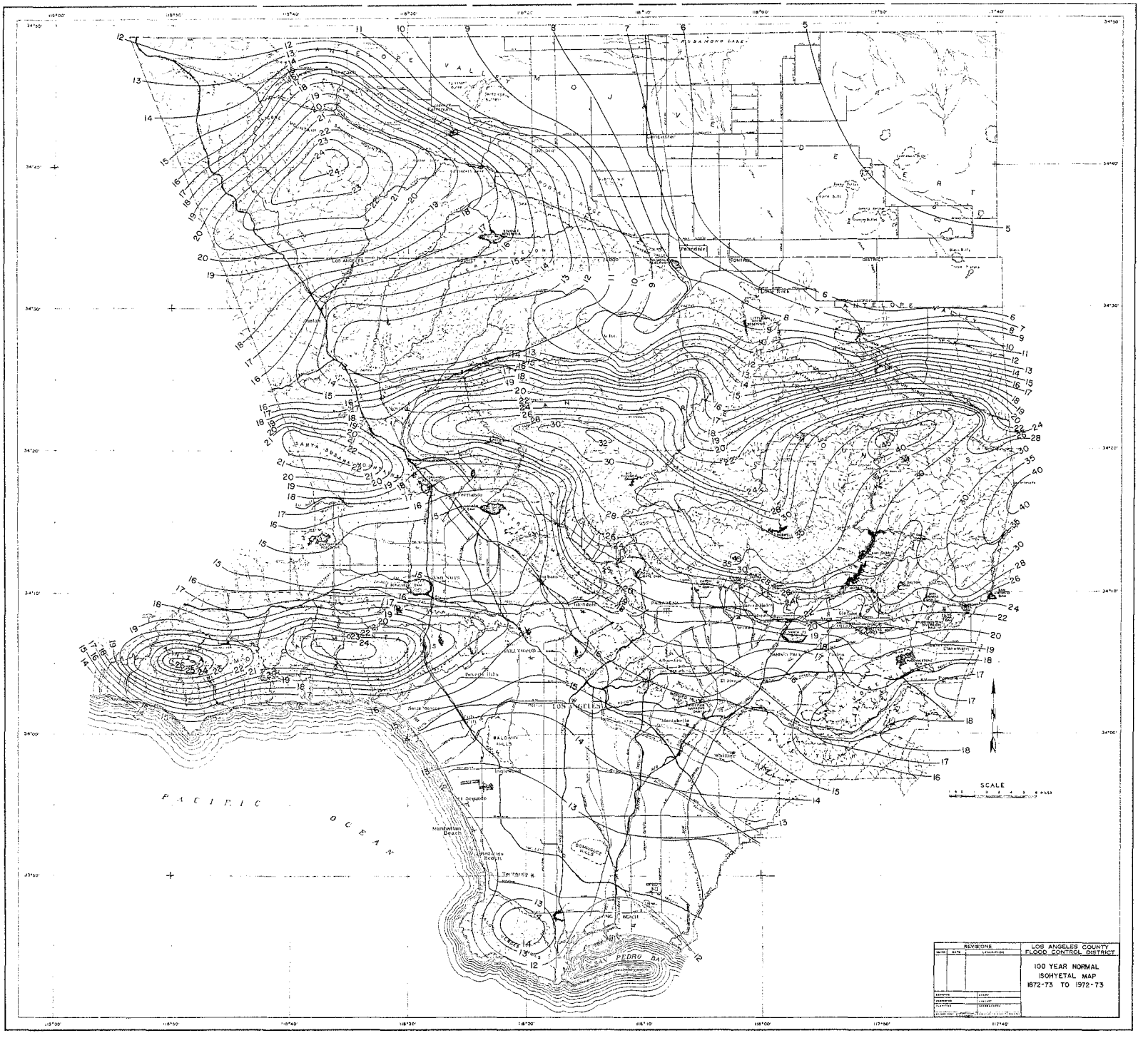
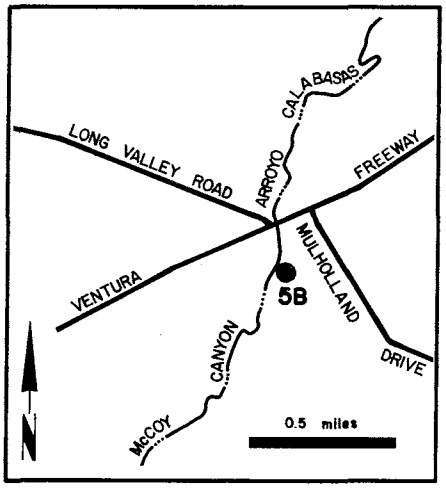


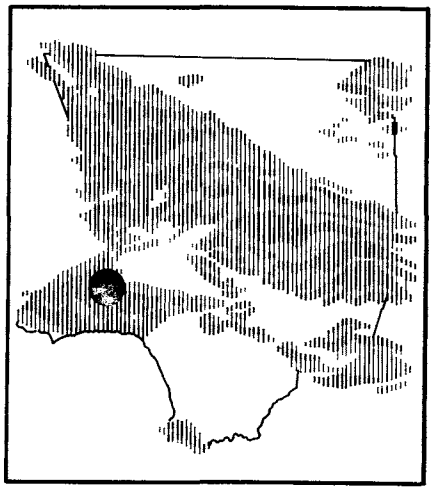
PLATE A4

PLATE A5


ANTELOPE VALLEY
SAN GABRIEL MOUNTAINS
SANTA MONICA MTNS.
PACIFIC OCEAN
SAN PEDRO BAY
LOS ANGELES
SCALE
REVISIONS
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
100 YEAR NORMAL ISOHYETAL MAP
1872-73 TO 1972-73

CALABASAS
Station 5 B





LOCATION

LATITUDE
34° 09 ' 24 "

LONGITUDE
118° 38 ' 14 "

ELEVATION
924 '

THOMAS GUIDE
100 F3

LENGTH OF RECORD
non-recording rain gage
7 - 1 - 39 to date

Station No. 5B Foreign Station No. Quad - Index No. 35-64

SEASONAL RAINFALL AT CALABASAS SEASON 1977-1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						3.40						
2						0.62						
3				0.40		0.06						
4				1.13		4.93	0.14					
5					1.45	0.77						0.60
6				0.76	0.25							0.27
7					0.65		0.47					
8					0.20		0.02					
9				0.97	2.68	0.27						
10				2.42	2.70	0.01						
11												
12												
13					0.66							
14				0.56	1.18							
15				1.20			1.10					
16				1.55			0.04					
17			0.09	0.10								
18			0.22									
19			0.04	0.35								
20												
21			0.06			0.17						
22			0.04			0.86						
23			0.02									
24												
25			T				0.10					
26			1.88									
27			0.20		0.05							
28			1.60		3.05							
29												
30						0.15						
31						0.68						
TOTAL	0.00	0.00	4.15	9.44	12.87	11.92	1.87	0.00	0.00	0.00	0.00	0.87

SEASON TOTAL 41.12

SEASON	RAINFALL
1927-28	12.35*
1928-29	11.23
1929-30	11.86**
1930-31	14.98**
1931-32	19.68
1932-33	12.57**
1933-34	11.44
1934-35	19.83
1935-36	10.96
1936-37	23.16
1937-38	23.08
1938-39	22.72B
1939-40	16.16
1940-41	41.92
1941-42	12.64
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	8.14
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
1957-58	30.81
1958-59	9.97
1959-60	10.23
1960-61	6.19
1961-62	23.99
1962-63	13.69
1963-64	10.56
1964-65	16.34
1965-66	24.64
1966-67	20.29
1967-68	18.44
1968-69	33.02
1969-70	12.83
1970-71	19.21
1971-72	9.55
1972-73	23.70
1973-74	17.66
1974-75	14.77
1975-76	9.75
1976-77	13.08
1977-78	41.12
1978-79	22.84
1979-80	31.82**

Station No. 5B ..... Foreign Station No. ..... Quad - Index No. 35-64

SEASONAL RAINFALL AT CALABASAS ..... SEASON 1978-1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1			0.05		0.17	0.52						
2					0.75			0.03				
3					0.12							
4												
5				3.00								
6				1.00								
7												
8												
9				0.24								
10		0.03										
11		0.52										
12												
13		0.29				0.05						
14				0.16	0.75							
15				0.82		0.03						
16				3.22								
17			0.45			0.43						
18			0.98									
19			0.28		0.02	0.18						
20	0.02				0.07	0.10						
21		0.42			0.81							
22		1.21										
23					0.49							
24												
25												0.03
26												
27						2.07						
28						0.70						
29						0.24						
30				0.51								0.03
31				2.05								
TOTAL	0.02	2.47	1.76	11.00	3.18	4.32	0.00	0.03	0.00	0.00	0.00	0.06

SEASON TOTAL 22.84

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

Station No. 5B Foreign Station No. Quad - Index No. 35-64

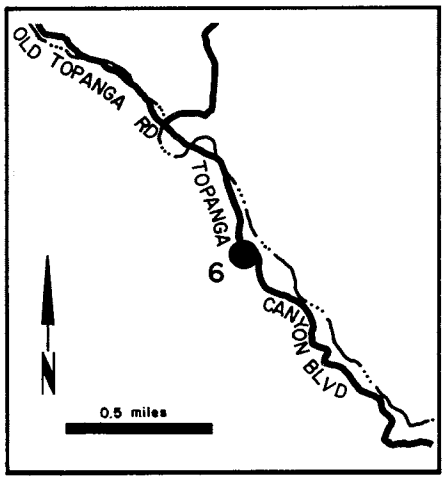
SEASONAL RAINFALL AT CALABASAS SEASON 1979-1980

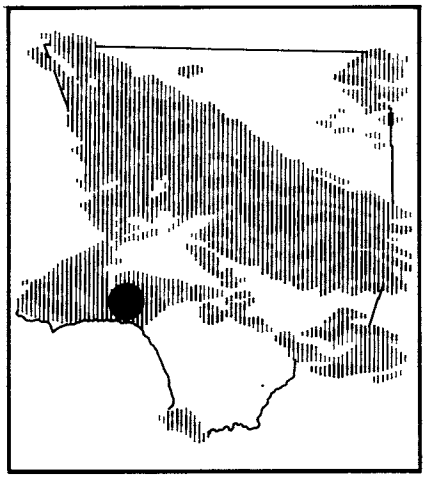
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1								0.03				
2						1.60						
3						0.52						
4												
5						0.67						
6						0.62						
7		0.22		0.21								
8		0.50										
9				1.91								
10				0.23				0.07				
11				1.21								
12				0.34								
13				0.01	1.40							
14				0.20*	1.70							
15					2.32							
16				0.16	7.75							
17		0.04		0.02	0.41							
18					1.59	0.79						
19	0.01				0.84							
20	0.22				0.40							
21			0.11		0.92							
22							0.36	0.08				
23												
24			0.54									
25			0.43			0.38						
26												
27												
28				0.42			0.17					
29				2.40			0.01					
30				0.01								
31												
TOTAL	0.23	0.76	1.08	7.12**	17.33	4.58	0.54	0.18	0.00	0.00	0.00	0.00

** SEE PREVIOUS PAGE FOR SYMBOL EXPLANATION **

SEASON TOTAL 31.82**

TOPANGA
Station 6





LOCATION

LATITUDE
34° 05 ' 03 "

LONGITUDE
118° 35 ' 57 "

ELEVATION
745 '

THOMAS GUIDE
109 C5

LENGTH OF RECORD
non-recording rain gage
10 - 25 - 27 to 8 - 1 - 75
recording rain gage
8 - 1 - 30 to date

Station No. 6 Foreign Station No. Quad - Index No. 24-01

SEASONAL RAINFALL AT TOPANGA FIELD STATION SEASON 1977-1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						5.3	0.3					
2						2.0						
3						0.7						
4				0.6		4.5						
5				0.7	1.1	1.9	0.5					
6				0.9	1.7	0.1						0.8
7				0.5			0.3					
8					0.8							
9					3.1							
10				3.5	2.3	0.4						
11				0.3								
12												
13					2.5							
14												
15				4.7			1.7					
16				0.1								
17				3.3								
18			0.9									
19			0.1	0.5								
20												
21						0.1						
22						1.7						
23						0.2						
24												
25												
26			1.0				0.1					
27			2.1		0.2							
28			3.4		0.2							
29			0.6									
30			0.1									
31						0.7						
TOTAL	0	0	8.2	15.1	11.9	17.6	2.9	0.0	0.0	0.0	0.0	0.8

SEASON TOTAL 56.5

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
1972-73	33.68
1973-74	25.30
1974-75	22.81
1975-76	11.80
1976-77	16.70
1977-78	55.40
1978-79	28.70
1979-80	49.60

Station No. 6 Foreign Station No. Quad - Index No. 24-01

SEASONAL RAINFALL AT TOPANGA FIELD STATION SEASON 1978-1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1					0.8	0.3						
2					0.1	0.4						
3					0.8							
4												
5				0.7								
6				3.0								
7												
8												
9				0.2								
10				0.1								
11		0.3										
12		0.1										
13												
14		0.3			1.0							
15				0.4								
16				4.8								
17			0.3	0.4		0.8						
18			0.9									
19			0.9	0.1		0.4						
20												
21	0.3				1.4	0.1						
22		1.1			0.2							
23		0.7			0.6							
24												
25												
26						0.1						
27						4.0						
28						0.8						
29						0.3						
30				0.1								
31				1.9								
TOTAL	0.3	2.5	2.1	11.7	4.9	7.2	0.0	0.0	0.0	0.0	0.0	0.0

SEASON TOTAL 28.7

** = ESTIMATED LESS THAN 10% OF THE TOTAL

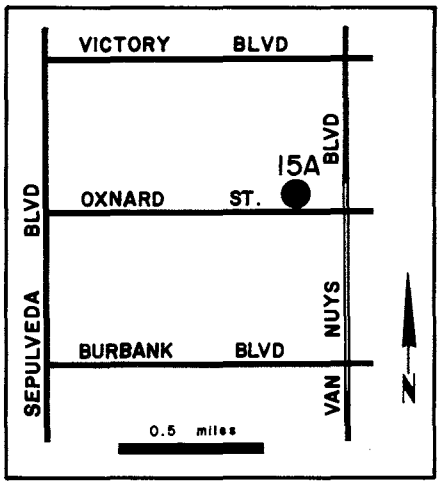
Station No. 6 Foreign Station No. Quad - Index No. 24-01

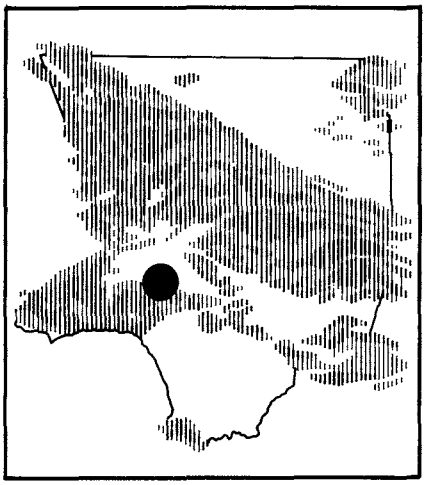
SEASONAL RAINFALL AT TOPANGA FIELD STATION SEASON 1979-1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1												
2												
3						3.2						
4						0.1						
5												
6						1.8						
7				0.1		0.2						
8		1.3		0.1								
9				2.2								
10				1.7				0.1				
11				3.1								
12				0.7								
13				0.1	0.1							
14				0.2	2.7							
15				0.2	2.6							
16				0.1	1.5							
17		0.1			8.3							
18				0.1	4.9							
19					2.2	0.7						
20	0.8				0.2							
21					2.3							
22					0.4			0.1				
23							0.1					
24												
25			2.1									
26						0.5						
27												
28				0.2								
29				3.6			0.9					
30												
31												
TOTAL	0.8	1.4	2.1	12.4	25.2	6.5	1.0	0.2	0.0	0.0	0.0	0.0

SEASON TOTAL 49.6

VAN NUYS
Station 15 A





Station No. 15A Foreign Station No. Quad - Index No. 37-42

SEASONAL RAINFALL AT VAN NUYS SEASON 1977-1978

LOCATION

LATITUDE
34° 10' 48"

LONGITUDE
118° 27' 03"

ELEVATION
695'

THOMAS GUIDE
15 D6

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						4.59	0.12					
2						0.80						
3				0.28		0.05						
4				0.90		4.13	0.09					T
5		0.05		0.13	0.97	0.89						0.41
6				0.65	0.15							0.14
7					0.55		0.31					
8					0.04		0.14					
9				0.52	2.55	0.07						
10				1.18	1.97	T						
11						0.08						
12					0.39	0.08						
13					1.16							T
14				0.63								
15			T	0.94			1.36					
16				0.99			0.19					
17			0.08	0.38								
18			0.18									
19				0.46								
20												
21			0.09			0.23						
22						0.95						
23			T									
24												
25							0.19					
26			1.88									
27			0.22		0.15							
28			1.77		1.73							
29			0.03			0.02						
30			0.01			0.13						
31						0.69						
TOTAL	0.00	0.05	4.26	7.06	9.66	12.71	2.40	0.00	0.00	0.00	0.00	0.55

SEASON TOTAL 36.69

SEASON	RAINFALL
1925-26	17.26
1926-27	19.32
1927-28	9.60
1928-29	10.37
1929-30	11.16
1930-31	15.45
1931-32	19.11
1932-33	13.36
1933-34	12.70
1934-35	18.14
1935-36	9.86
1936-37	21.96
1937-38	23.91
1938-39	20.62
1939-40	15.83
1940-41	39.77
1941-42	13.18
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
1955-56	14.29
1956-57	11.94
1957-58	23.68
1958-59	8.95
1959-60	8.63
1960-61	6.26B
1961-62	22.44
1962-63	9.45
1963-64	7.96
1964-65	13.38*
1965-66	20.72
1966-67	19.05
1967-68	13.46**
1968-69	28.16
1969-70	10.72
1970-71	14.97A
1971-72	7.15
1972-73	19.35
1973-74	15.27
1974-75	15.12
1975-76	8.99
1976-77	13.17
1977-78	36.69
1978-79	21.85**
1979-80	32.45

Station No. 15A Foreign Station No. Quad - Index No. 37-42

SEASONAL RAINFALL AT VAN NUYS SEASON 1978-1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1					0.35	0.67*						
2					0.38					T		
3					0.23				T			
4				1.52								
5				1.54								
6											T	
7									T			
8												
9				0.19								
10		0.16										
11		0.68										
12		0.29										
13		0.07*			T	0.27						
14					0.44							
15				1.12		0.06						
16				2.95								
17			0.28			0.69						
18			0.54	0.11		0.04						
19			0.22		0.03	0.20						
20	0.04				0.03	0.14						
21	T	0.66*			1.20							
22		0.41*										
23					0.45							
24												
25												
26												
27						3.20						
28						0.57						
29						0.08						
30	0.01			0.29								
31				1.70								
TOTAL	0.05	2.27*	1.04	9.42	3.11	5.92*	0.00	0.00	0.00	T	T	0.00

SEASON TOTAL 21.85**

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

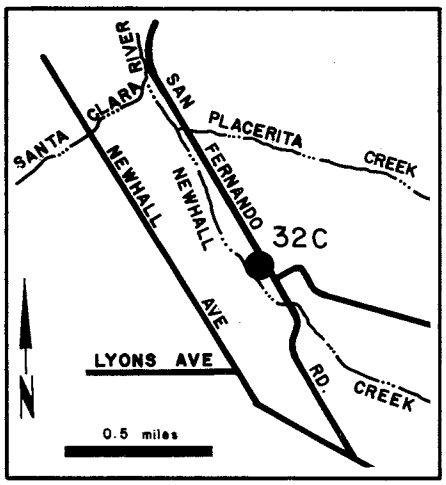
Station No. 15A Foreign Station No. Quad - Index No. 37-42

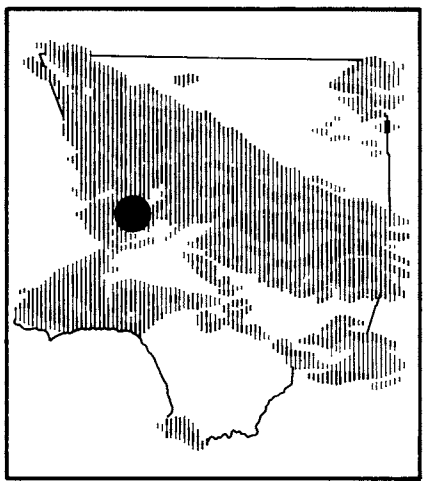
SEASONAL RAINFALL AT VAN NUYS SEASON 1979-1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1								0.02				
2						2.47				0.01		
3						0.13						
4												
5						0.23						
6						0.61	T					
7		0.07		0.11								
8		0.61		0.01								
9				2.00								
10				0.65		0.01		0.11				
11				1.21								
12				0.42								
13				0.03	1.25							T
14				0.22	2.50							
15				0.02	2.75							
16				0.07	5.59							
17		0.04		0.03	1.09							
18				T	1.64	0.54						
19	0.01				1.59	0.14						
20	0.26				0.30			T				
21			0.13		0.48	T		0.04				
22							0.34					
23												
24			0.54									
25			0.14									
26						0.42						
27												
28				0.48			0.17					
29				2.93			T					
30				0.04								
31												
TOTAL	0.27	0.72	0.81	8.22	17.19	4.55	0.51	0.17	0.00	0.01	0.00	T

SEASON TOTAL 32.45

NEWHALL
Station 32C





Station No. 32C Foreign Station No. Quad - Index No. 58-61

SEASONAL RAINFALL AT NEWHALL-SOLEDAD SEASON 1977-1978

LOCATION

LATITUDE
34° 23' 07"

LONGITUDE
118° 31' 54"

ELEVATION
1243'

THOMAS GUIDE
127 C3

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						4.38						
2					0.02	0.94						
3				0.33		0.37						
4				1.26		2.71	0.36					
5					0.69	3.45						0.73
6		0.05		.30*	0.40							0.32
7							0.38					
8					0.46		0.03					
9				0.48	1.72							
10				2.01	5.85	0.04						
11				0.09		0.05						
12												
13					1.47							
14				0.39	0.36							
15				1.67			0.92					
16				1.47			0.56					
17			0.17	0.78								
18			0.22									
19	0.04			0.37								
20												
21			0.20			0.10						
22			0.02			0.86						
23			0.03			0.19						
24												
25							0.07					
26			2.47									
27			0.70		0.02							
28			3.19		0.28							
29												
30			0.02									
31			0.14			1.68						
TOTAL	0.04	0.05	7.16	9.15**	11.27	14.77	2.32	0.00	0.00	0.00	0.00	1.05

** SEE FOLLOWING PAGE FOR SYMBOL EXPLANATION **

SEASON TOTAL 45.81**

SEASON	RAINFALL
1927-28	10.45
1928-29	14.08
1929-30	10.60
1930-31	18.44**
1931-32	22.27
1932-33	16.03
1933-34	13.99
1934-35	19.97
1935-36	10.75
1936-37	25.67
1937-38	25.68
1938-39	20.66
1939-40	12.41
1940-41	44.65
1941-42	12.88
1942-43	30.33
1943-44	27.27
1944-45	12.43B
1945-46	15.92C
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
1958-59	9.73
1959-60	8.78
1960-61	7.05
1961-62	27.47
1962-63	10.44
1963-64	8.68
1964-65	14.46
1965-66	24.59
1966-67	25.50
1967-68	14.54
1968-69	32.09
1969-70	12.16
1970-71	16.99**
1971-72	9.98
1972-73	21.11
1973-74	15.34
1974-75	15.77
1975-76	11.65
1976-77	16.50
1977-78	45.81**
1978-79	23.14
1979-80	28.17**

Station No. 32C Foreign Station No. Quad - Index No. 58-61

SEASONAL RAINFALL AT NEWHALL-SOLEDAD SEASON 1978-1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1					0.75	0.64						
2					0.11							
3					0.66							
4												
5				2.70								
6				1.50								
7												
8												
9												
10		0.12										
11		0.42										
12		0.03										
13		0.25				0.10						
14				0.20	0.57							
15				1.30		0.14						
16				2.70								
17			0.40			1.20						
18			0.70			0.01						
19			0.40			0.18						
20						0.05						
21		0.50			0.81							
22		1.37			0.10							
23					0.20							
24					0.01							
25												
26												
27						2.16						
28												
29						0.06						T
30				0.20								
31				2.60								
TOTAL	0.00	2.69	1.50	11.20	3.21	4.54	0.00	0.00	0.00	0.00	0.00	T

SEASON TOTAL 23.14

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

Station No. 32C ..... Foreign Station No. ..... Quad - Index No. 58-61 .....

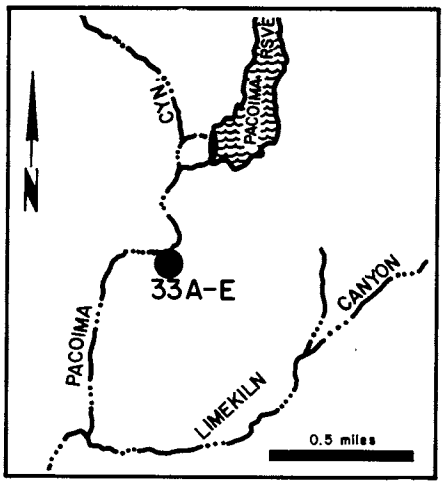
SEASONAL RAINFALL AT NEWHALL-SOLEDAD ..... SEASON 1979-1980 .....

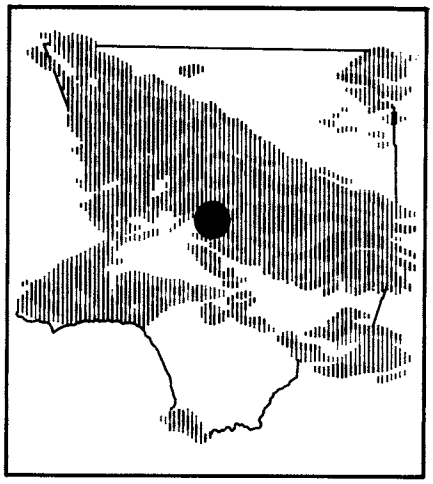
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1												
2						0.88		0.25				
3						0.99						
4												
5						0.77						
6						0.75						
7												
8		0.62										
9				1.53								
10				0.10*								
11				1.03				0.08				
12				0.42								
13				0.47	1.66							
14				0.62	2.10							
15				0.01	1.14							
16					3.84							
17		T		0.03	0.90							
18					1.61	0.01						
19					1.10							
20	0.32				0.82							
21			0.06		0.41		0.13					
22							0.13	0.11				
23							0.13					
24			0.20									
25			0.59									
26						0.40						
27												
28				0.32								
29				3.46			0.12					
30												
31				0.06								
TOTAL	0.32	0.62	0.85	8.05**	13.58	3.80	0.51	0.44	0.00	0.00	0.00	0.00

** SEE PREVIOUS PAGE FOR SYMBOL EXPLANATION **

SEASON TOTAL ..... 28.17** .....

PACOIMA DAM
Station 33 A - E





Station No. 33A-E Foreign Station No. Quad - Index No. 60-07

SEASONAL RAINFALL AT PACOIMA DAM SEASON 1977-78

LOCATION

LATITUDE
34° 19' 48"

LONGITUDE
118° 23' 59"

ELEVATION
1500'

THOMAS GUIDE
145 F9

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
Evaporation Pan

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						3.66	0.07					
2						1.63	0.04					
3						0.81						
4				0.44		1.68	0.02					
5				0.96	0.40	2.04	0.54					
6		0.23		0.57	0.59	0.30						0.79
7				0.07	0.03		0.67					0.07
8					0.72		0.07					
9					1.96							
10				1.51	2.87	0.13						
11				0.38		T						
12						0.29						
13					1.21		T					T
14				T	0.05							0.07
15				1.90			T					0.04
16			T	0.03			1.35					
17			T	1.64								0.01
18			0.85									
19				0.29								
20	0.02			T								
21						0.30						
22			0.06			1.27						
23						0.70						
24			T					T				
25							0.03					
26			0.33				0.14					
27	T		1.26		0.12							
28			2.01		0.06				T			
29			0.62									
30			T			0.06						
31						1.14						
TOTAL	0.02	0.23	5.13	7.79	8.01	14.01	2.93	T	T	0.00	0.00	0.98

SEASON TOTAL 39.10

SEASON	RAINFALL
1915-16	24.59**
1916-17	22.24
1917-18	20.68**
1918-19	14.95**
1919-20	15.63*
1920-21	23.00
1921-22	29.31
1922-23	18.21
1923-24	9.52
1924-25	11.99
1925-26	21.92**
1926-27	22.78*
1927-28	12.54*B
1928-29	12.99C
1929-30	15.49
1930-31	18.37
1931-32	24.16
1932-33	15.48
1933-34	16.42
1934-35	25.17
1935-36	17.79
1936-37	29.40
1937-38	32.65A
1938-39	21.98
1939-40	18.13
1940-41	40.41
1941-42	14.49
1942-43	30.27
1943-44	27.98
1944-45	18.18
1945-46	16.86
1946-47	20.92
1947-48	9.46
1948-49	12.01
1949-50	14.00
1950-51	11.82
1951-52	36.47
1952-53	13.15
1953-54	15.87
1954-55	14.34
1955-56	17.76
1956-57	15.66
1957-58	30.56
1958-59	9.40
1959-60	9.64

Station No. 33A-E Foreign Station No. Quad - Index No. 60-07

SEASONAL RAINFALL AT PACOIMA DAM SEASON 1978-1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1					0.73	0.32						
2			0.06		0.08	0.47		0.05				
3					0.88							
4												
5				0.53								
6				2.11								
7									0.14			
8												
9				0.18			0.03					
10		T		0.05								
11		0.65										
12		0.23										
13						0.05					0.07	
14		0.25			0.67	0.11						
15				0.63								
16				3.25		0.11						
17			0.25	0.22	T	0.88			0.01			
18			0.61	0.08		T			0.01			
19			0.91	T	0.06	0.62						
20	0.03				T	0.05		0.06				
21		T			1.17	0.09		0.05				
22		0.87			0.24							
23		0.72			0.22							
24												
25												0.02
26												
27						0.72		T				
28						2.24		0.18				
29						0.08						
30												
31	0.13			1.15								
TOTAL	0.16	2.72	1.83	8.20	4.05	5.74	0.03	0.34	0.16	0.00	0.07	0.02

SEASON TOTAL 23.32

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
* = ESTIMATED GREATER THAN 10% OF THE TOTAL
** = ESTIMATED LESS THAN 10% OF THE TOTAL

1960-61	8.74
1961-62	24.96
1962-63	13.11
1963-64	12.63
1964-65	18.22
1965-66	24.01
1966-67	31.99
1967-68	15.91
1968-69	31.77
1969-70	14.59
1970-71	19.55
1971-72	10.09
1972-73	27.04
1973-74	16.91
1974-75	16.72
1975-76	14.25
1976-77	19.56
1977-78	39.10
1978-79	23.32
1979-80	29.55

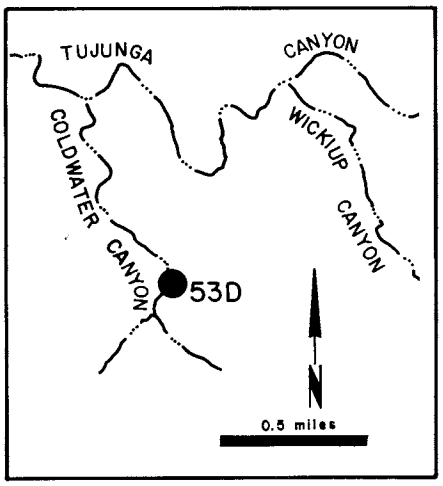
Station No. 33A-E ..... Foreign Station No. ..... Quad - Index No. 60-07

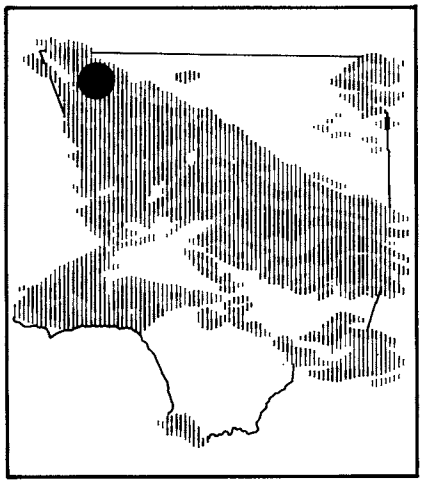
SEASONAL RAINFALL AT PACOIMA DAM ..... SEASON 1979-1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1								0.05				
2								0.29	T	0.04		
3						2.16						
4		0.08				0.05						
5												
6						1.33	0.02					
7				0.01		0.43		0.04				
8		0.57		0.12								
9				0.53								
10				0.74				0.14				
11				0.99		0.01		T				
12				0.39								
13				0.10	0.02							
14				1.16	2.79							
15				0.15	1.29							
16				T	0.40							
17		0.02		T	4.09							
18		0.03		0.14	1.18							
19					0.94	1.30						
20	0.87				1.20							
21	0.33		0.02		0.54		T	0.17				
22			0.02		0.07		T	0.14				
23							0.26	0.02				
24							T					
25			0.51									
26						0.31						
27												
28				0.22								
29				2.84			0.37					
30				0.02			0.04					
31												
TOTAL	1.20	0.70	0.55	7.41	12.52	5.59	0.69	0.85	T	0.04	0.00	0.00

SEASON TOTAL 29.55

COLBY 'S
Station 53 D





Station No. 53D ..... Foreign Station No. ..... Quad - Index No. 62-B9

SEASONAL RAINFALL AT COLBY'S ..... SEASON 1977-1978

LOCATION

LATITUDE
34° 18 ' 05 "

LONGITUDE
118° 06 ' 39 "

ELEVATION
3620 '

THOMAS GUIDE
F F1

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						5.20	0.18					
2						2.10	0.12					
3				0.40		0.20						
4				1.36		6.10	0.59					
5				0.04	0.90	2.40						
6		0.19		0.30	0.20		0.07					1.50
7					0.60		1.20					
8					0.10		0.09					
9				0.85	6.50		0.05				0.04	
10				1.45	7.20							
11						0.25						
12					0.20	0.10						
13					0.80							
14				0.81								
15				2.72			1.54					
16				1.08			1.02					
17			0.22	0.73			0.03					
18			1.34									
19	T			0.23								
20												
21			0.08			0.20						
22			0.05			1.22						
23			0.03			0.02						
24												
25							0.36					
26			1.90				0.08					
27			0.50		0.20							
28			4.60		1.50							
29			0.10									
30			0.03			0.22						
31						2.68						
TOTAL	T	0.19	8.85	9.97	18.20	20.69	3.33	0.00	0.00	0.00	0.04	1.50

SEASON TOTAL 64.77

SEASON	RAINFALL
1897-98	9.50**
1898-99	8.13**
1899-00	14.14**
1900-01	32.85**
1901-02	20.79**
1902-03	40.80**
1903-04	19.08**
1904-05	41.09**
1905-06	43.12**
1906-07	48.69**
1907-08	32.09**
1908-09	31.59**
1909-10	29.51**
1910-11	49.29**
1911-12	28.43**
1912-13	27.01**
1913-14	57.60**
1914-15	34.10**
1915-16	43.36**
1916-17	27.24**
1917-18	37.64**
1918-19	20.90**
1919-20	36.95**
1920-21	37.10**
1921-22	61.75**
1922-23	33.70**
1923-24	19.00**
1924-25	25.72**
1925-26	53.63**
1926-27	32.16**
1927-28	17.22**B
1928-29	17.60
1929-30	19.03**
1930-31	18.36
1931-32	30.78
1932-33	16.72
1933-34	20.71
1934-35	36.51
1935-36	18.46
1936-37	40.64
1937-38	44.31A
1938-39	27.98
1939-40	18.85
1940-41	55.61
1941-42	20.08
1942-43	49.73**
1943-44	41.42*
1944-45	28.23

Station No. 530 Foreign Station No. Quad - Index No. 62-89

SEASONAL RAINFALL AT COLBY'S SEASON 1978-1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1			0.2		1.1	0.2						
2					0.4	0.3		0.1				
3												
4												
5				0.8								
6				1.8								
7												
8												
9				0.2								
10												
11		0.7										
12		0.9										
13		0.2				0.1						
14		0.3			0.8	0.1						
15				0.5								
16				2.4		0.1						
17			0.8	0.2	0.2	1.3						
18			2.3	0.2								
19			1.0			0.7						
20	0.1				0.1							
21		0.8			1.8	0.3						
22		0.2				0.1						
23					0.2							
24												
25				0.1								
26												
27						1.5						
28						3.5						
29						0.5						
30												
31	0.3			1.2								
TOTAL	0.4	3.1	4.3	7.4	4.6	8.7	0.0	0.1	0.0	0.0	0.0	0.0

SEASON TOTAL 28.6

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
* = ESTIMATED GREATER THAN 10% OF THE TOTAL

1945-46	26.83
1946-47	27.91**
1947-48	14.23
1948-49	13.45
1949-50	18.70
1950-51	10.14**C
1951-52	46.17
1952-53	12.94D
1953-54	22.80
1954-55	18.65
1955-56	18.72
1956-57	19.30
1957-58	46.96
1958-59	14.89
1959-60	11.68
1960-61	11.24
1961-62	32.86
1962-63	16.79
1963-64	15.11
1964-65	20.32
1965-66	38.97
1966-67	43.86
1967-68	21.70
1968-69	66.56
1969-70	16.89
1970-71	22.58
1971-72	13.30
1972-73	32.74
1973-74	21.21
1974-75	20.44
1975-76	22.54
1976-77	18.82
1977-78	64.77
1978-79	28.60
1979-80	42.00**

Station No. 53D ..... Foreign Station No. ..... Quad - Index No. 62-89

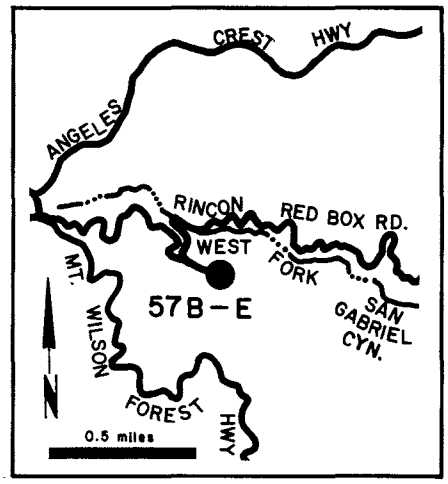
SEASONAL RAINFALL AT COLBY'S ..... SEASON 1979-1980

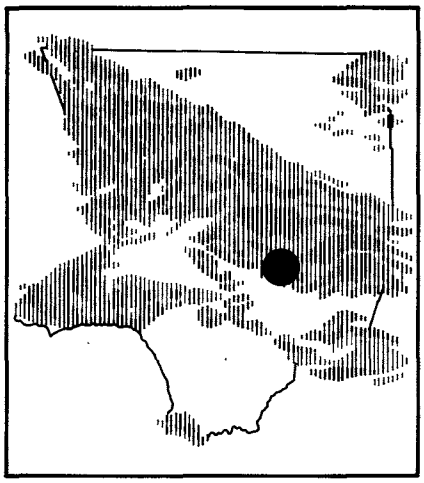
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1												
2								0.1		0.1		
3						2.9*						
4						0.3*						
5												
6						1.4*						
7						0.6*						
8		0.4										
9				1.3								0.1
10				1.8				0.4				
11				1.8		0.1*		0.1				
12				0.2								
13				0.1	0.1							
14				0.6	5.1							
15				0.9	3.5							
16					0.5							
17		0.1			5.6							
18				0.1	1.2							
19					2.1	0.8*					0.1	
20	1.1				0.6							
21	0.3		0.1					0.3				
22							0.1					
23							0.2					
24			0.1				0.1					
25			0.5			0.4*						
26												
27												
28				0.2								
29				5.5								
30												
31				0.1								
TOTAL	1.4	0.5	0.7	12.6	18.7	6.5*	0.4	0.9	0.0	0.1	0.1	0.1

** SEE PREVIOUS PAGE FOR SYMBOL EXPLANATION **

SEASON TOTAL 42.6*

CAMP HI HILL
(OPID ' S)
Station 57 B - E





LOCATION

LATITUDE
34° 15 ' 18 "

LONGITUDE
118° 05 ' 41 "

ELEVATION
4250'

THOMAS GUIDE
6 B3

LENGTH OF RECORD
non-recording rain gage
1 - 1 - 17 to date
recording rain gage
12 - 14 - 25 to date

ADDITIONAL
INSTRUMENTATION
Max - Min Thermometer
Evaporation Pan
Hydrothermograph
snow depth pad

Station No. 57B-E Foreign Station No. Quad - Index No. 52-04

SEASONAL RAINFALL AT – CAMP HI HILL (OPID'S) SEASON 1977-1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1					T	7.28	0.32					
2						4.46	0.20					
3				T		1.48	T					
4				0.79		3.31						
5				2.05	0.27	6.00	0.73					
6		0.45		0.40	1.34	0.78						1.80
7				0.21	0.07	0.03	1.59					0.02
8					0.84		T					
9					3.15		0.29				T	
10				3.36	10.80	0.07						
11				1.02	0.04	0.32						
12				0.02	0.01	0.30						
13				0.01	2.14	0.02						
14				0.08	0.15							0.10
15			T	5.05			0.07					
16			T	0.16			3.23					
17			T	2.42			0.10					
18			2.46	0.01								
19		0.01		0.38								
20				0.04								
21			T			0.35						
22			0.10			1.38						
23			0.01			0.57		T				
24			0.06									
25			T				0.16					
26			1.00				0.41					
27			3.30		0.42							
28			6.00		0.73							
29			1.71									
30			0.13			T						
31				0.02		1.93						
TOTAL	0.00	0.46	14.77	16.02	19.96	28.28	7.10	T	0.00	0.00	T	1.92

SEASON TOTAL 88.51

SEASON	RAINFALL
1916-17	INC.
1917-18	42.55**
1918-19	26.25**
1919-20	37.41**
1920-21	35.47**
1921-22	89.33**
1922-23	32.05**
1923-24	20.34**
1923-25	28.85
1925-26	49.46**
1926-27	46.48**
1927-28	24.83**
1928-29	29.51**
1929-30	28.56
1930-31	31.83
1931-32	47.05
1932-33	30.18
1933-34	34.88
1934-35	53.07B
1935-36	32.47
1936-37	57.66
1937-38	66.65
1938-39	36.87
1939-40	27.59
1940-41	78.38
1941-42	24.54
1942-43	68.65
1943-44	50.84
1944-45	34.66
1945-46	38.43
1946-47	41.82
1947-48	19.52
1948-49	23.02
1949-50	30.22
1950-51	16.31
1951-52	66.59**
1952-53	19.94
1953-54	33.81
1954-55	27.59
1955-56	29.05
1956-57	28.58
1957-58	66.35
1958-59	21.31
1959-60	16.90

Station No. 57B-E Foreign Station No. Quad - Index No. 52-04

SEASONAL RAINFALL AT CAMP HI HILL (DPID'S) SEASON 1978-1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1					1.3*	0.5*						
2			0.2		1.1*	0.7*		0.1				
3					0.5*							
4												
5				0.8								
6				3.5								
7												
8												
9				0.3								
10												
11		1.2										
12		1.3										
13						0.1*						
14		0.4			1.0*	0.2*						
15				0.8								
16				3.7		0.2*						
17			0.4	0.3		1.0*						
18			2.3	0.2								
19			2.7			1.0*						
20	0.14					0.2*						
21					2.0*	0.3*						
22		1.3			0.3*	0.1*						
23		0.4			0.5*							
24		0.1										
25				0.3								
26				0.1								
27						2.6*						
28						3.1*						
29						1.4*						
30												
31	0.26			3.0								
TOTAL	0.40	4.7	5.6	13.0	6.7*	11.4*	0.0	0.1	0.0	0.0	0.0	0.0

SEASON TOTAL 41.9*

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

1960-61	13.95
1961-62	47.03
1962-63	23.21**
1963-64	22.62
1964-65	32.48
1965-66	59.17
1966-67	65.13
1967-68	30.88
1968-69	89.07
1969-70	24.58
1970-71	32.61
1971-72	17.96
1972-73	49.71
1973-74	35.81
1974-75	31.07
1975-76	31.25
1976-77	25.82
1977-78	88.51
1978-79	41.90*
1979-80	63.80

Station No. 57B-E ..... Foreign Station No. ..... Quad - Index No. 52-04

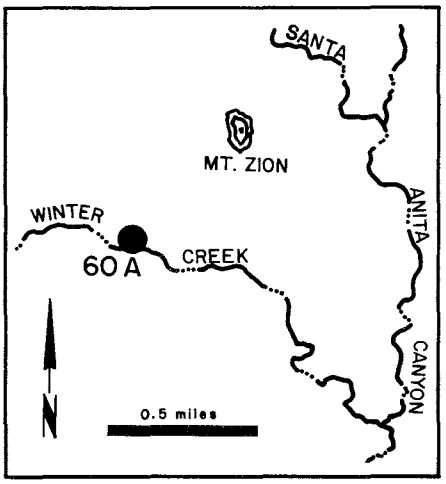
SEASONAL RAINFALL AT CAMP HI HILL (OPID'S) ..... SEASON 1979-1980

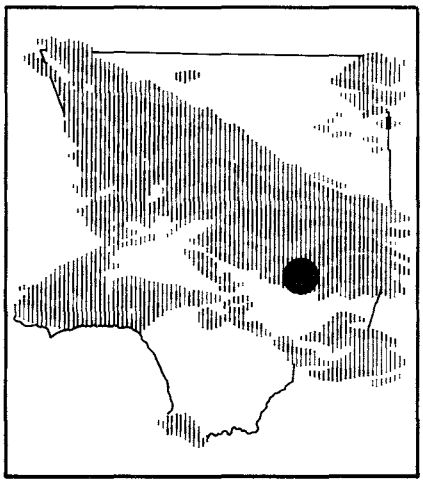
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1												
2												
3						3.7						
4						0.5						
5												
6						1.9						
7				0.1		0.7						
8		0.4		0.2								
9				1.7								
10				2.3				0.6				
11				2.7		0.1						
12				0.7								
13					0.1							
14				1.3	5.8							
15				1.1	5.1							
16					0.9							
17		0.1		0.1	6.1							
18				0.5	2.3							
19					4.2	1.3						
20	2.3				2.0							
21	0.5		0.1		1.9							
22			0.1		0.4		0.2					
23							0.3					
24							0.1					
25			1.5									
26						0.7						
27												
28				0.6								
29				8.2			0.1					
30				0.1								
31				0.2								
TOTAL	2.8	0.5	1.7	19.8	28.8	8.9	0.7	0.6	0.0	0.0	0.0	0.0

** SEE PREVIOUS PAGE FOR SYMBOL EXPLANATION **

SEASON TOTAL 63.8

HOEGEE 'S
Station 60 A





Station No. 60A ..... Foreign Station No. ..... Quad - Index No. 52-69

SEASONAL RAINFALL AT HOEGEE'S ..... SEASON 1977-1978

LOCATION

LATITUDE
34° 12' 32"

LONGITUDE
118° 02' 02"

ELEVATION
2412'

THOMAS GUIDE
20 A D1

LENGTH OF RECORD
non-recording rain gage
2 - 1 - 25 to 07 - 01 - 78
recording rain gage
11 - 11 - 26 to date

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						5.49	0.20	0.20				
2						5.30	0.10					
3						1.04						
4				0.40		2.93						
5				1.20	0.10	6.07	1.01					
6		0.65		0.40	1.47	0.28						1.9
7				0.30			1.43					0.2
8					1.08		0.10					
9					3.23		0.10					
10				3.08	9.58							
11				0.90	0.20	0.71						
12						0.82						
13					2.45							
14					0.39							0.1
15				5.99			0.10					
16				0.10			2.92					
17				2.65								
18			1.89									
19		0.02		0.49								
20	0.02											
21						0.31						
22						0.62						
23						0.85						
24			0.39									
25							0.16					
26			0.67				0.30					
27	T		2.21		0.09							
28			4.42		0.38							
29			1.83									
30			0.09			0.10						
31				0.08		1.11						
TOTAL	0.02	0.67	11.50	15.59	18.97	25.63	6.42	0.20	0.00	0.0	0.0	2.2

SEASON TOTAL 81.20

SEASON	RAINFALL
1924-25	INC.
1925-26	62.45**
1926-27	55.71**
1927-28	24.52**
1928-29	32.39**
1929-30	33.91
1930-31	32.42
1931-32	50.19
1932-33	33.45
1933-34	44.67
1934-35	55.58
1935-36	38.15B
1936-37	59.29
1937-38	67.16A
1938-39	38.67
1939-40	29.65C
1940-41	69.91
1941-42	21.99
1942-43	75.87
1943-44	43.68
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
1952-53	23.61
1953-54	32.18**
1954-55	25.15
1955-56	31.70
1956-57	27.63
1957-58	57.87
1958-59	17.76
1959-60	17.20
1960-61	13.74
1961-62	46.73
1962-63	23.01
1963-64	22.10
1964-65	33.52
1965-66	52.05
1966-67	63.39
1967-68	22.87
1968-69	INC.
1969-70	22.57**
1970-71	30.77
1971-72	14.80
1972-73	44.93
1973-74	35.05
1974-75	27.71
1975-76	28.54**
1976-77	22.67
1977-78	81.24
1978-79	35.70
1979-80	67.90

Station No. 60A Foreign Station No. Quad - Index No. 52-69

SEASONAL RAINFALL AT HOEGEE'S SEASON 1978-1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1					2.6	0.8						
2			0.1		0.3	0.6		0.1				
3					0.2							
4					0.4							
5				0.1								
6				3.1								
7												
8												
9				0.1								
10				0.1								
11		1.3										
12		1.0										
13						0.2						
14		0.3			0.6	0.4						
15				0.4								
16			0.4	2.9		0.2						
17			1.4	0.4		1.3						
18			2.0	0.3								
19			0.1	0.1		1.5						
20	0.1				0.1	0.1						
21					2.3	0.2						
22		0.9			0.5	0.1						
23		0.2			0.5							
24					0.1							
25												
26				0.3								
27						1.6						
28						2.2						
29						1.5						
30												
31	0.1			1.6								
TOTAL	0.2	3.7	4.0	9.4	7.6	10.7	0.0	0.1	0.0	0.0	0.0	0.0

SEASON TOTAL 35.7

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

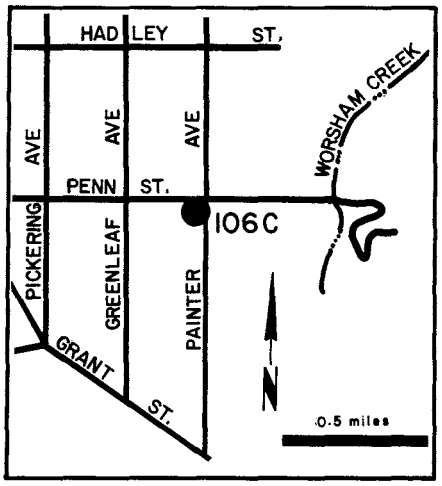
Station No. 60A Foreign Station No. Quad - Index No. 52-69

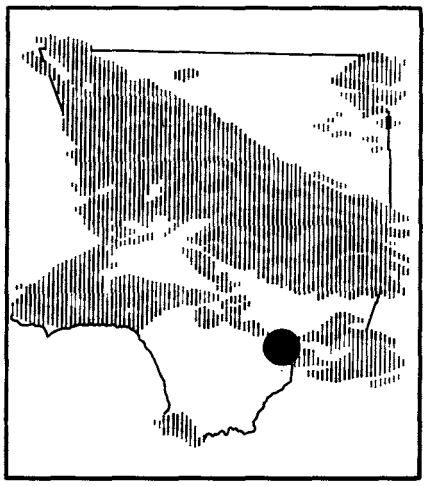
SEASONAL RAINFALL AT HOEGEE'S SEASON 1979-1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1												
2												
3						3.5						
4						0.5						
5												
6						2.4						
7				0.1		0.7						
8		0.2		0.1								
9				2.0				0.1				
10				2.0				0.9				
11				2.4		0.3		0.1				
12				0.8								
13				0.1	0.2							
14				1.7	4.8							
15				1.0	6.0							
16				0.1	1.1							
17					7.5							
18				0.5	2.9							
19					4.7	1.5						
20	3.6				0.9							
21	0.2		0.2		1.9		0.1					
22			0.2		0.6		0.3					
23							0.4	0.2				
24							0.1					
25			0.9									
26						0.7						
27												
28				0.5			0.3					
29				7.6			0.1					
30				0.3								
31				0.6								
TOTAL	3.8	0.2	1.3	19.8	30.6	9.6	1.3	1.3	0.0	0.0	0.0	0.0

SEASON TOTAL 67.9

WHITTIER
Station 106 C





Station No. 106C ..... Foreign Station No. ..... Quad - Index No. 16-22

SEASONAL RAINFALL AT WHITTIER CITY COLLEGE ..... SEASON 1977-1978

LOCATION

LATITUDE
33° 58 ' 27 "

LONGITUDE
118° 01 ' 57 "

ELEVATION
340 '

THOMAS GUIDE
55 E5

LENGTH OF RECORD
non-recording rain gage
12 - 1 - 27 to date

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						2.63	0.10	0.02				
2						1.09	0.05					
3				0.07		0.08						
4				1.20		1.73	0.19					
5		0.03		0.19	0.74	1.26						0.38
6				0.56	0.33	0.02						0.30
7					0.65		0.45					
8					0.09		0.22					
9				0.58	2.17	0.03						
10				1.14	1.67							
11				0.06		0.14						
12					0.37	0.26						
13					1.14							
14				0.65								
15				1.45			0.35					
16				0.52			0.33					
17			0.08	0.53								
18			0.94									
19		T		0.39								
20	T											
21			0.03			0.03						
22			0.02			0.82						
23			0.11									
24			0.02									
25							0.03					
26			1.73									
27			0.36		0.09							
28			1.88		1.96							
29			0.33									
30			0.05	T		0.09						
31				0.01		0.47						
TOTAL	T	0.03	5.55	7.35	9.21	8.65	1.72	0.02	0.00	0.00	0.00	0.68

SEASON TOTAL 33.21

SEASON	RAINFALL
1927-28	13.32
1928-29	11.73
1929-30	11.32
1930-31	12.82
1931-32	15.39
1932-33	9.91
1933-34	12.95
1934-35	19.23
1935-36	10.49
1936-37	21.40
1937-38	21.39
1938-39	16.73
1939-40	12.79
1940-41	32.85
1941-42	13.08
1942-43	19.05
1943-44	18.55
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	13.01B
1954-55	11.47C
1955-56	14.17
1956-57	9.93
1957-58	22.17
1958-59	6.54
1959-60	9.20D
1960-61	5.03
1961-62	22.11
1962-63	11.54
1963-64	7.54
1964-65	13.49DC
1965-66	16.42
1966-67	18.66
1967-68	11.78
1968-69	25.37
1969-70	8.61
1970-71	11.54
1971-72	7.01
1972-73	20.17
1973-74	14.79
1974-75	12.26
1975-76	10.53
1976-77	10.29
1977-78	33.21
1978-79	20.83
1979-80	26.45

Station No. 106C Foreign Station No. Quad - Index No. 16-22

SEASONAL RAINFALL AT WHITTIER CITY COLLEGE SEASON 1978-1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1			0.02		0.50	0.63		0.01				
2			0.01		0.39							
3												
4												
5				0.71					T			
6				1.11				0.01	T			
7												
8												
9				0.11								
10		0.22										
11		0.19										
12												
13		0.33				0.18						
14				0.28	0.26	0.02						
15				0.63								
16				0.33								
17			0.73	0.03		0.48						
18			1.78	0.24		0.05						
19			0.44		T	1.27						
20	0.04				0.08	0.20						
21		1.19			1.04	0.05						
22		0.31										
23		T			0.30							
24												
25												
26												
27						2.11						
28				0.08		0.28						
29						0.25						
30	0.01			0.42								
31				3.51								
TOTAL	0.05	2.24	2.98	7.45	2.57	5.52	0.00	0.02	T	0.00	0.00	0.00

SEASON TOTAL 20.83

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

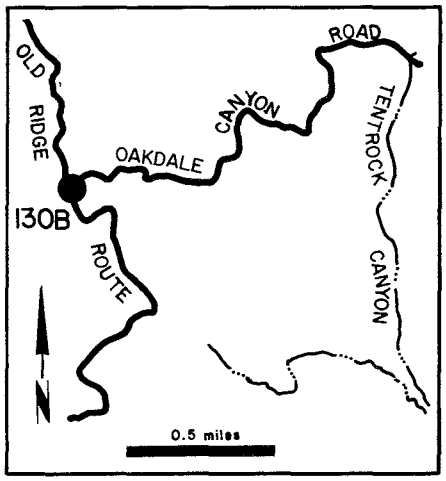
Station No. 106C ..... Foreign Station No. ..... Quad - Index No. 16-22

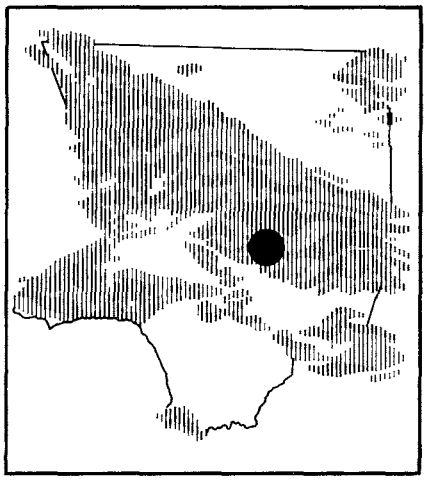
SEASONAL RAINFALL AT WHITTIER CITY HALL ..... SEASON 1979-1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1												
2						0.82						
3						1.51						
4												
5						0.13						
6						0.87						
7		0.08		0.05								
8		0.11		0.04								
9				1.81								
10				0.34		0.09		0.10				
11				1.11								
12				0.22								
13				0.05	0.95							
14				0.45	3.55							
15				0.03	1.10							
16				0.01	2.18							
17		0.01		T	0.50							
18				0.27	2.05	0.03						
19	T				1.19							
20	0.64				0.55							
21			0.08		0.81		0.01	0.04				
22						0.10						
23							0.07					
24			0.05									
25			0.26									
26						0.91						
27												
28				0.80			0.12					
29				2.12								
30				0.09			0.05					
31				0.10								
TOTAL	0.64	0.20	0.39	7.49	12.88	4.46	0.25	0.14	0.00	0.00	0.00	0.00

SEASON TOTAL 26.45

SANDBERG 'S
Station 130 B





Station No. 130B Foreign Station No. Quad - Index No. 106-85

SEASONAL RAINFALL AT SANDBERG-QUAIL LAKE PATROL STATION SEASON 1977-1978

LOCATION

LATITUDE
34° 44 ' 37 "

LONGITUDE
118° 42 ' 43 "

ELEVATION
4025 '

THOMAS GUIDE
(142)

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						3.56	0.18	0.18				
2						0.57	0.04					
3				0.03		0.36						T
4				0.14		3.01					0.03	
5				0.72	0.93	1.79	0.18					T
6		0.33		0.09	0.52	0.49					T	1.42
7					T		0.63					0.01
8					0.20		0.02					
9				0.03	0.96						T	
10				1.46	6.24	0.04						
11				0.19	0.06							
12					T	0.11						
13				0.02	1.54	T						
14				0.09	0.04							
15				1.87			0.03					
16				0.11			1.45					
17				1.30			T					
18			0.24	0.08								
19				0.16								
20				0.12								
21						0.22	0.04					
22			0.26			1.39						
23		T	T			0.10						
24			T									
25			0.02				0.03					
26			0.42				0.23					
27			0.61		0.06							
28			3.80		0.33							
29			0.28									
30						0.06						
31						2.15						
TOTAL	0.00	0.33	5.63	6.41	10.88	13.85	2.83	0.18	0.00	0.00	0.03	1.43

SEASON TOTAL 41.57

SEASON	RAINFALL
1927-28	11.02*
1928-29	11.54
1929-30	13.13
1930-31	15.61
1931-32	20.54
1932-33	10.88**
1933-34	10.41
1934-35	22.32
1935-36	11.26
1936-37	22.29
1937-38	24.38
1938-39	20.96B
1939-40	12.08
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
1959-60	7.07
1960-61	10.81
1961-62	25.07
1962-63	10.67
1963-64	11.10**
1964-65	13.20
1965-66	18.79
1966-67	24.64
1967-68	15.54
1968-69	24.71
1969-70	11.96
1970-71	15.60
1971-72	7.58
1972-73	20.55
1973-74	12.52
1974-75	15.91
1975-76	15.19
1976-77	17.24
1977-78	41.57
1978-79	20.00
1979-80	17.21

Station No. 130B ..... Foreign Station No. ..... Quad - Index No. 106-B5 .....

SEASONAL RAINFALL AT ..... SANDBERG-QUAIL LAKE PATROL STATION ..... SEASON 1978-1979 .....

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1					0.46	0.14						
2			0.09		T	0.04						
3					0.87							
4												
5												
6												
7				1.84								
8												
9				0.13								
10												
11		0.36					0.22					
12		0.26		0.06			0.12					
13		T		0.17		T						
14		0.27			0.50	0.11						
15				0.78								
16				1.70		0.05						
17			0.31	0.53		0.36						
18			1.37	0.04		0.04						
19			0.85			0.66						
20	0.04		0.43			0.04						
21		T			0.54	0.07						
22		0.87				0.04						
23		0.45			0.11							
24					0.03							
25				0.03								
26				0.12								
27					T	2.04						
28				0.07		1.30						
29				0.06		0.03						
30	0.05			T								
31				1.35								
TOTAL	0.09	2.21	3.05	6.88	2.51	4.92	0.34	0.00	0.00	0.00	0.00	0.00

SEASON TOTAL ..... 20.00 .....

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

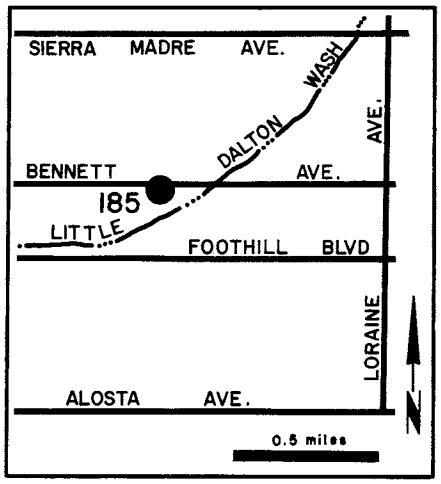
Station No. 1308 Foreign Station No. Quad - Index No. 106-85

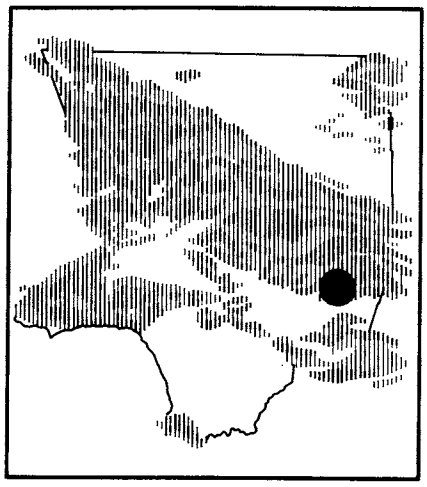
SEASONAL RAINFALL AT SANDBERG-QUAIL LAKE PATROL STATION SEASON 1979-1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1								0.10				
2												
3						1.35						
4						0.10						
5												
6						0.10						
7						0.30						
8		0.37		0.40								
9				0.88								
10				0.31								
11				0.19								
12												
13												
14				0.30	1.80							
15					1.03							
16					0.90							
17		0.04		0.08	2.81							
18				0.03	0.27							
19					0.52							
20	0.12				0.50							
21			0.37		0.31							
22			0.04				0.25					
23							T					
24								T				
25			1.14									
26						0.30						
27				0.10								
28				0.65								
29				1.05			0.45					
30				0.05								
31												
TOTAL	0.12	0.41	1.55	4.04	8.14	2.15	0.70	0.10	0.00	0.00	0.00	0.00

SEASON TOTAL 17.21

LENDORA
ɔtion 185





Station No. 185 Foreign Station No. Quad - Index No. 43-46

SEASONAL RAINFALL AT GLENDORA-WEST SEASON 1977-1978

LOCATION

LATITUDE
34° 08 ' 23 "

LONGITUDE
117° 51 ' 33 "

ELEVATION
822 '

HOMAS GUIDE
87 B5

GTH OF RECORD
ɔcording rain gage
1 - 1880 to date

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						4.05	0.12	T				
2						2.05	0.12					
3				0.23		0.07						
4				1.46		3.00	0.34					
5		0.36		0.13	0.37	2.06	0.02					0.72
6		0.12		0.43	0.23						0.04	0.91
7					0.92		0.74					
8					0.10		0.05				T	
9				0.98	3.53	T						
10				1.16	1.96	0.04						
11				0.12		0.35						
12					0.23	0.19	T					
13					2.37		T					0.02
14				0.67								0.05
15				1.96			0.54					
16				1.46			0.40					
17			0.05	1.04								0.02
18			1.42	T								
19	0.05	0.03		0.29								
20	0.01											
21			0.04			0.35						
22			0.03			0.97						
23			0.19			0.02						
24												
25			T				0.07					
26			1.72		T							
27			0.47		0.05							
28			2.07		1.63							
29			0.01			0.01						
30			0.02	0.01		0.08	0.01					
31				0.43		0.79						
TOTAL	0.06	0.51	6.02	10.37	11.39	14.03	2.41	T	0.00	0.00	0.04	1.72

SEASON TOTAL 46.55

SEASON	RAINFALL
1880-81	16.96
1881-82	16.07
1882-83	18.52
1883-84	62.76
1884-85	14.79
1885-86	28.95
1886-87	19.26
1887-88	35.10
1888-89	32.85
1889-90	49.89
1890-91	26.69
1891-92	20.71
1892-93	39.20
1893-94	11.26
1894-95	32.92
1895-96	13.03
1896-97	22.57
1897-98	16.60
1898-99	7.28
1899-00	12.19
1900-01	23.73
1901-02	14.06
1902-03	27.27
1903-04	12.59
1904-05	25.97
1905-06	27.03
1906-07	33.07
1907-08	20.24
1908-09	27.20
1909-10	20.21
1910-11	29.12
1911-12	15.61
1912-13	13.89**
1913-14	36.78
1914-15	28.76
1915-16	33.59
1916-17	21.61
1917-18	19.88
1918-19	14.50**
1919-20	21.67**
1920-21	23.47
1921-22	26.59
1922-23	19.08
1923-24	11.66**
1924-25	13.90
1925-26	25.37
1926-27	25.43
1927-28	16.05
1928-29	18.18*
1929-30	17.41**

Station No. 185 Foreign Station No. Quad - Index No. 43-46

SEASONAL RAINFALL AT GLENDORA-WEST SEASON 1978-1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1			0.09		0.68	0.91		T				
2					0.45			0.13	T			
3					0.02							
4												
5				0.98								
6				0.90					0.03			
7									0.09			
8				0.01								
9				0.15			0.07					
10		0.38										
11		0.61									T	
12		0.10										
13		0.15				0.31					0.03	
14		0.03		0.44	0.34	0.08						
15				1.12								
16				0.43		0.05						
17			0.99	0.18		0.63						
18			1.79	0.23		0.60						
19			0.57		0.04	0.82						
20	0.14				0.20	0.23				T		
21		0.95			1.81	0.01						
22		0.09			0.29	0.03						
23		0.01			0.33							
24												0.01
25		1.16		0.06								
26												
27						2.75		T				
28				0.05		0.71		T				
29						0.16						
30	0.05			0.12		0.01						
31	T			2.14								
TOTAL	0.19	3.48	3.44	6.81	4.16	7.30	0.07	0.13	0.12	T	0.03	0.01

SEASON TOTAL 25.74

* = ESTIMATED GREATER THAN 10% OF THE TOTAL
** = ESTIMATED LESS THAN 10% OF THE TOTAL

1930-31	15.71**
1931-32	24.05**
1932-33	12.50**
1933-34	26.80
1934-35	27.97**
1935-36	18.52
1936-37	34.23
1937-38	31.69
1938-39	20.81
1939-40	17.03
1940-41	40.54
1941-42	13.51
1942-43	29.95
1943-44	24.44
1944-45	21.19**
1945-46	20.14
1946-47	18.28
1947-48	12.30**
1948-49	14.14
1949-50	16.19
1950-51	10.95
1951-52	33.42
1952-53	13.21
1953-54	19.46
1954-55	15.28
1955-56	20.04
1956-57	16.23
1957-58	34.99
1958-59	10.23
1959-60	11.49
1960-61	7.68**
1961-62	23.10
1962-63	14.09
1963-64	12.16
1964-65	17.69
1965-66	20.97
1966-67	33.55
1967-68	15.87
1968-69	39.26
1969-70	14.93
1970-71	14.59
1971-72	9.85
1972-73	24.30
1973-74	18.25
1974-75	16.92
1975-76	13.50
1976-77	16.75
1977-78	46.55
1978-79	25.74
1979-80	38.35

Station No. 185 Foreign Station No. Quad - Index No. 43-46

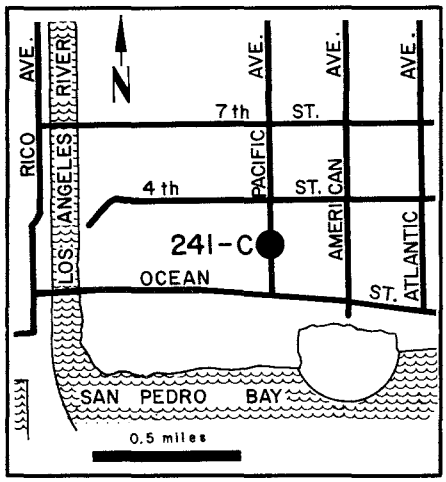
SEASONAL RAINFALL AT GLENDORA-WEST SEASON 1979-1980

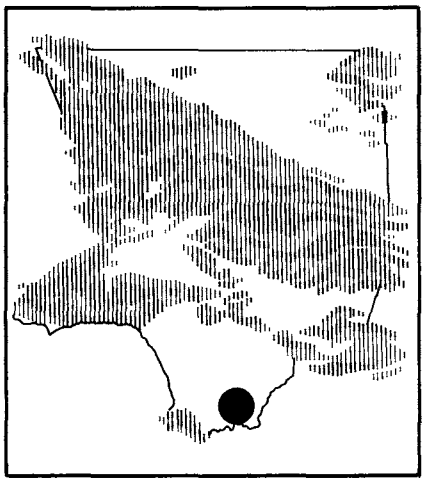
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1												
2						0.83	0.02					
3						1.21						
4						0.04						
5						0.30						
6						0.98	0.01					
7		0.13		0.07		0.03		0.01				
8		0.12		0.12				0.02				
9				1.70				0.05				
10				1.28		0.10		0.33				
11				1.49								
12				0.27								
13				0.28	1.34							
14				0.92	2.53							
15				0.02	2.22							
16				0.03	3.90							
17		0.26		0.14	2.45							
18	T	0.01		0.43	2.63	0.11						
19	0.01				1.13	T						
20	2.00				0.61							
21			0.15		1.52	0.01	0.06	0.23				
22					0.02		0.25					
23							0.03	0.02				
24			0.06			T						
25			0.31			0.08						
26						0.41						
27												
28				1.19			0.02		T			
29				3.36			0.09					
30				0.11			0.15					
31				0.15								
TOTAL	2.01	0.52	0.52	11.56	18.35	4.10	0.63	0.66	T	0.00	0.00	0.00

** SEE PREVIOUS PAGE FOR SYMBOL EXPLANATION **

SEASON TOTAL 38.35

LONG BEACH
Station 241 C





LOCATION

LATITUDE
33° 46' 12"

LONGITUDE
118° 11' 32"

ELEVATION
116'

THOMAS GUIDE
75 C5

LENGTH OF RECORD
non-recording rain gage
11 - 1 - 28 to date
recording rain gage
10 - 1 - 65 to date

Station No. 241C Foreign Station No. Quad - Index No. 4-03

SEASONAL RAINFALL AT LONG BEACH CITY HALL SEASON 1977-1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						1.71	0.18					
2						0.80						
3				0.66		0.01						
4				1.09		0.99	0.12					
5		0.06		0.21	1.50	0.52						
6				0.15	0.52							1.00
7					0.63		0.27					
8					0.09		0.02					
9				1.97	1.54	0.15						
10				0.41	0.68							
11				T		0.30						
12					0.22							
13					0.78							
14												
15				1.90			0.40					
16				0.93								
17				T								
18			0.26									
19				0.51								
20												
21			0.13									
22						0.29						
23												
24												
25							0.03					
26			0.99									
27					0.20							
28			0.49		0.91							
29			0.52									
30				0.01		0.12						
31				T		0.44						
TOTAL	0.00	0.06	2.39	7.84	7.07	5.33	1.02	0.00	0.00	0.00	0.00	1.00

SEASON TOTAL 24.71

SEASON	RAINFALL
1928-29	9.47**
1929-30	10.99
1930-31	9.22
1931-32	14.51
1932-33	9.35**
1933-34	5.95
1934-35	17.17
1935-36	9.13
1936-37	17.82
1937-38	16.83
1938-39	14.11
1939-40	10.73
1940-41	24.89
1941-42	9.89
1942-43	11.31
1943-44	16.36
1944-45	13.41
1945-46	9.61
1946-47	11.86B
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
1959-60	8.32
1960-61	3.18
1961-62	15.79
1962-63	12.08**C
1963-64	6.30
1964-65	10.40
1965-66	12.97**
1966-67	11.60**
1967-68	10.93**
1968-69	17.79
1969-70	6.43
1970-71	8.84
1971-72	5.81**
1972-73	13.58
1973-74	11.26
1974-75	12.31
1975-76	6.79**
1976-77	10.44*
1977-78	24.71
1978-79	18.22
1979-80	21.38**

Station No. 241C Foreign Station No. Quad - Index No. 4-03

SEASONAL RAINFALL AT LONG BEACH CITY HALL SEASON 1978-1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1					0.48	0.45						
2					0.17							
3												
4												
5				0.65								
6				1.86								
7												
8												
9				0.23								
10		0.11										
11		0.11										
12				0.02								
13		1.00										
14					1.12	0.04						
15				0.29								
16				0.59								
17			0.68			0.25						
18			0.58	0.27								
19			0.29			0.25						
20	0.03				0.08	0.23						
21		1.03			0.31	0.18						
22		0.19			T							
23					1.05							
24												
25												
26												
27						1.91						
28						0.29						
29						0.28						
30				0.92								
31				2.28								
TOTAL	0.03	2.44	1.55	7.11	3.21	3.88	0.00	0.00	0.00	0.00	0.00	0.00

SEASON TOTAL 18.22

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

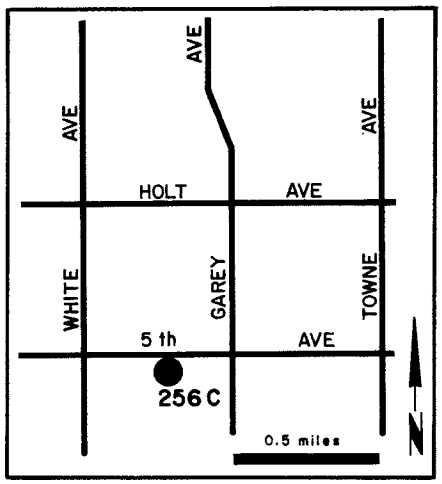
Station No. 241C Foreign Station No. Quad - Index No. 4-03

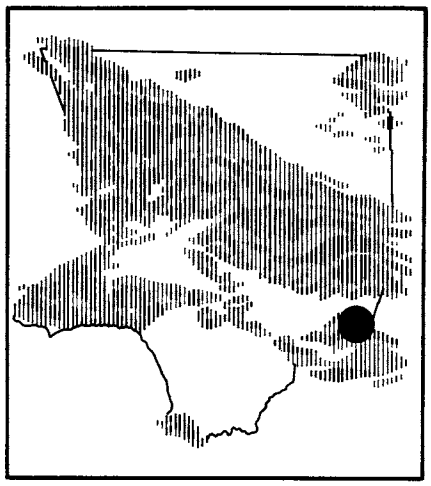
SEASONAL RAINFALL AT LONG BEACH CITY HALL SEASON 1979-1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1												
2						0.62						
3						0.40						
4												
5						0.08						
6						0.99						
7		0.30		0.36								
8				0.16								
9				2.33								
10				0.30								
11				1.90								
12				0.55								
13					1.05							
14				0.07	2.55							
15					0.38							
16				0.05	1.59							
17		0.03			0.55							
18				0.05	2.04							
19					0.77							
20	0.20				0.61							
21					0.25							
22							0.11					
23												
24			0.15*									
25												
26						0.42						
27												
28				0.58			0.34					
29				1.51								
30				0.09								
31												
TOTAL	0.20	0.33	0.15*	7.95	9.79	2.51	0.45	0.00	0.00	0.00	0.00	0.00

SEASON TOTAL 21.38**

POMONA
Station 256 C





LOCATION

LATITUDE
34° 03' 16"

LONGITUDE
117° 45' 10"

ELEVATION
844'

THOMAS GUIDE
94 E3

LENGTH OF RECORD
non-recording rain gage
7-1-1883 to 8-1-1890
1-1-1897 to 1-1-1900
10-1-25 to date

Station No. 256C Foreign Station No. Quad - Index No. 32-44

SEASONAL RAINFALL AT POMONA FIRE STATION SEASON 1977-1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						3.52	0.24					
2						1.17	0.32					
3						1.47						
4				0.42		1.30						
5				1.10		3.10	0.24					
6		0.11		0.11	0.53	0.49						1.32
7				0.25	0.05		0.58					0.07
8					.78*							
9					2.30		0.01					
10				1.50	1.82*	0.08						
11				0.72		0.14						
12					1.34							
13												
14				0.03	0.24							
15				1.81								
16							0.63					
17				1.37								
18			0.84	0.05								
19				0.18								
20				0.14								
21						0.06						
22			0.14			0.54						
23			0.01			0.32						
24			0.22									
25							0.02					
26			0.62		0.09							
27			1.02									
28			1.13		0.40							
29			3.00									
30			0.12									
31						0.77						
TOTAL	0.00	0.11	7.10	7.68	7.55*	12.96	2.04	0.00	0.00	0.00	0.00	1.39

SEASON TOTAL 38.83**

Station No. 256C Foreign Station No. Quad - Index No. 32-44

SEASONAL RAINFALL AT POMONA FIRE STATION SEASON 1978-1979

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1					1.22	0.45						
2			0.08			0.09		0.12				
3					0.38							
4												
5				0.50								
6				1.35								
7												
8												
9				0.06			0.01					
10		0.05										
11		0.41										
12		0.35										
13						0.16						
14		0.22			0.26	0.15						
15				1.10								
16				0.99		0.02						
17			0.44			0.61						
18			1.22	0.08								
19			0.78			1.18						
20	0.07				0.04	0.17						
21					1.03	0.15						
22		0.70			0.39							
23		0.05			0.05							
24												
25				0.02								
26				0.07								
27						0.87						
28				0.08		1.48						
29						0.29*						
30												
31	0.10			2.30								
TOTAL	0.17	1.78	2.52	6.55	3.37	5.62**	0.01	0.12	0.00	0.00	0.00	0.00

SEASON TOTAL 20.14**

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

1960-61	5.45
1961-62	15.40**
1962-63	12.65
1963-64	9.49**C
1964-65	13.92
1965-66	15.94
1966-67	22.34
1967-68	15.38
1968-69	28.36
1969-70	11.37
1970-71	9.99
1971-72	7.49
1972-73	17.51
1973-74	12.72
1974-75	11.87
1975-76	10.00*
1976-77	14.77*
1977-78	38.83**
1978-79	20.14**
1979-80	31.00**

Station No. 256C Foreign Station No. Quad - Index No. 32-44

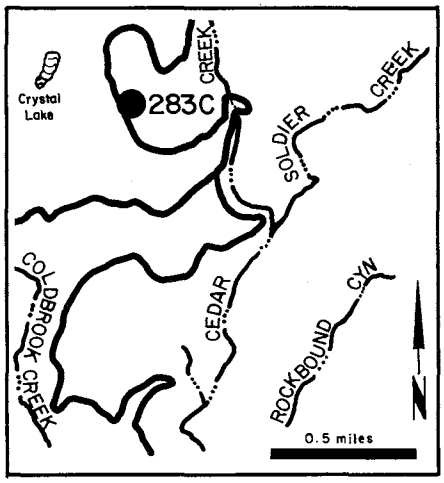
SEASONAL RAINFALL AT POMONA FIRE STATION SEASON 1979-1980

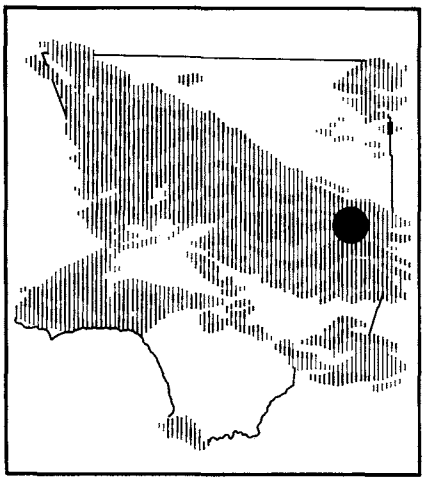
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1							0.02					
2							0.02					
3						1.90						
4						0.18						
5												
6						0.44						
7						0.46*						
8		0.01		0.19								
9				0.99								
10				1.02				0.26				
11				1.19		0.17						
12				0.08								
13					0.03							
14				0.50*	3.90							
15				0.07	1.64							
16					0.90							
17				0.02	3.30							
18				0.58	2.90							
19					0.75*	0.07						
20	0.89				0.80							
21	0.40		0.25		0.67							
22			0.09		0.11			0.06				
23							0.07					
24												
25			0.19									
26						0.49*						
27												
28				0.37								
29				4.77*			0.15					
30				0.10*								
31												
TOTAL	1.29	0.01	0.53	9.88*	15.00**	3.71*	0.26	0.32	0.00	0.00	0.00	0.00

** SEE PREVIOUS PAGE FOR SYMBOL EXPLANATION **

SEASON TOTAL 31.00*

CRYSTAL LAKE
Station 283 C





Station No. 283C Foreign Station No. Quad - Index No. 65-6B

SEASONAL RAINFALL AT CRYSTAL LAKE SEASON 1977-1978

LOCATION

LATITUDE
34° 19' 02"

LONGITUDE
117° 50' 28"

ELEVATION
5370'

THOMAS GUIDE
H B1

LENGTH OF RECORD
non-recording rain gage
4 - 1 - 31 to date
recording rain gage
11 - 26 - 35 to date

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						5.12	0.98	0.06				
2						4.25	0.03	0.02				
3						1.47	0.11					
4				0.62		2.21						
5		0.39		1.85	0.20	5.65	0.51				0.04	
6				0.33	1.20	0.49						2.25
7				0.06			1.35					0.04
8					0.74		0.16					
9					4.24		0.20				0.50	
10				2.94	11.55	0.21						
11				0.76	0.29	0.32						
12						1.04						
13				0.15	1.55							
14												0.01
15				4.62			0.05					
16				0.05			2.30					
17				2.03			0.08					
18			1.9	0.52								
19				0.05								
20												
21						0.43						
22			0.08			1.49						
23						0.52						
24			0.21							0.01		
25							0.16					
26			0.76				0.25					
27			2.80		0.27		0.04					
28			7.12		0.80							
29			1.24									
30			0.09									
31				0.01		2.88						
TOTAL	0.00	0.39	14.20	13.99	20.84	26.08	6.22	0.08	0.00	0.01	0.54	2.30

SEASON TOTAL 84.65

SEASON	RAINFALL
1930-31	INC.
1931-32	41.11
1932-33	23.10
1933-34	27.26
1934-35	50.56
1935-36	26.51
1936-37	56.32
1937-38	65.72
1938-39	40.09
1939-40	27.49
1940-41	67.24
1941-42	27.53
1942-43	58.56
1943-44	51.05
1944-45	35.09
1945-46	38.48
1946-47	39.18
1947-48	21.11
1948-49	21.15
1949-50	24.88B
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**
1958-59	23.72
1959-60	17.89C
1960-61	16.16
1961-62	42.06
1962-63	21.69
1963-64	19.94
1964-65	26.43*
1965-66	57.46
1966-67	56.59
1967-68	26.02
1968-69	76.77
1969-70	22.89
1970-71	25.71
1971-72	18.88
1972-73	40.96
1973-74	28.52
1974-75	26.76
1975-76	30.84
1976-77	23.52
1977-78	84.65
1978-79	36.10
1979-80	60.04

Station No. 283C Foreign Station No. Quad - Index No. 65-68

SEASONAL RAINFALL AT CRYSTAL LAKE SEASON 1978-1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1					1.38	0.56						
2			0.20		0.46	0.50		0.30				
3					0.28							
4								0.10				
5				0.90								
6				2.70								
7												
8												
9				0.20								
10		0.07										
11		1.12										
12		0.88										
13						0.22						
14		0.45			1.30	0.38						
15				1.30		0.02						
16				2.50		0.40						
17			0.55	0.40		0.65						
18			2.45	0.50								
19			1.03			1.10						
20	0.17		0.16		0.03	0.16				0.08		
21					0.80	0.29						
22		0.94			0.34	0.13						
23		0.34			0.42							
24		0.09										
25				0.10								
26				0.10								
27						1.97						
28				0.10		2.10						
29						1.05						
30						0.02						
31	0.61			3.20								
TOTAL	0.78	3.89	4.39	12.00	5.01	9.55	0.00	0.40	0.00	0.08	0.00	0.00

SEASON TOTAL 36.10

B = 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

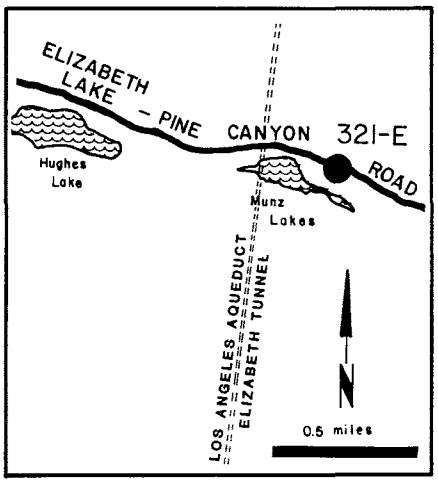
Station No. 283C Foreign Station No. Quad - Index No. 65-68

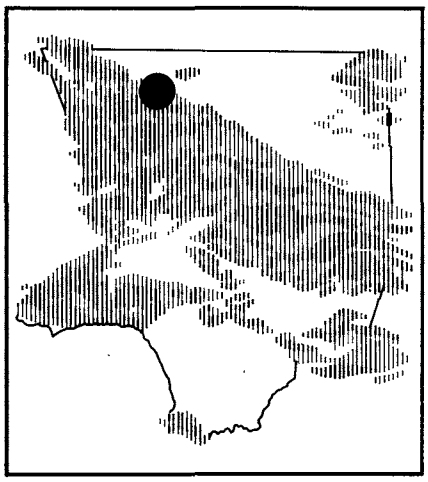
SEASONAL RAINFALL AT CRYSTAL LAKE SEASON 1979-1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1												
2							0.50	0.1				
3						3.6						
4						0.5						
5												
6						2.1						
7				0.01		0.5						
8		0.41		0.06	0.02							
9				1.67								
10				1.85				0.8				
11				2.00		0.2		0.1				
12				0.30								
13												
14				0.85	4.94							
15				1.14	5.84							
16					0.70							
17		0.05			5.74							
18				0.40	2.46	0.1						
19				0.02	4.97	0.8						
20	1.50				2.51							
21	0.40		0.05		1.78							
22			0.05		0.35		0.41					
23							0.10					
24								0.1				
25			0.94									
26						0.9						
27												
28				0.61								
29				7.05								
30				0.30								
31				0.26								
TOTAL	1.90	0.46	1.04	16.52	29.31	8.7	1.01	1.1	0.0	0.0	0.0	0.0

SEASON TOTAL 60.04

PINE CANYON
Station 321 E





Station No. 321E Foreign Station No. Quad - Index No. 96-72

SEASONAL RAINFALL AT PINE CANYON PATROL STATION SEASON 1977-1978

LOCATION

LATITUDE
34° 40' 24"

LONGITUDE
118° 25' 45"

ELEVATION
3286'

THOMAS GUIDE
157 D7

LENGTH OF RECORD
non-recording rain gage
7 - 29 - 31 to date
recording rain gage
1 - 8 - 69 to date

ADDITIONAL INSTRUMENTATION
Max - Min Thermometer
Evaporation Pan

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						2.26						
2						1.85	0.26					
3				0.13		0.05						
4				0.76		2.75	0.33					
5		0.35		0.09	0.66	1.32						0.48
6				0.13	0.48		T				0.10	0.50
7					0.25		0.82					
8					0.05		T					
9				0.63	3.71	0.06						
10				1.89	3.25							
11					0.01	0.25						
12				0.01	0.21	0.03						
13					1.34							
14				0.79								
15				2.09			0.60					
16				1.16			0.39					
17			0.21	0.70								
18			1.07									
19				0.26								
20			0.20									
21						0.25						
22			T			1.20						
23												
24												
25							0.24					
26			1.73				T					
27			1.61		0.03							
28			4.22		0.59							
29												
30			0.10			0.10	T					
31			0.01			1.46						
TOTAL	0.00	0.35	9.15	8.64	10.58	11.58	2.64	0.00	0.00	0.00	0.10	0.98

SEASON TOTAL 44.02

SEASON	RAINFALL
1930-31	INC.
1931-32	26.10
1932-33	14.30
1933-34	12.80
1934-35	23.86
1935-36	13.37
1936-37	25.40
1937-38	28.34
1938-39	20.30
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
1963-64	11.80
1964-65	16.32
1965-66	27.18
1966-67	29.83
1967-68	16.66
1968-69	41.88
1969-70	8.76
1970-71	17.04
1971-72	9.85
1972-73	22.54
1973-74	17.02
1974-75	16.75
1975-76	12.84
1976-77	16.11
1977-78	44.02
1978-79	26.24
1979-80	28.17

Station No. 321E Foreign Station No. Quad - Index No. 96-72

SEASONAL RAINFALL AT PINE CANYON PATROL STATION SEASON 1978-1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1			0.14		0.71	0.50						
2					0.53	0.04		0.12				
3					0.99							
4												
5				1.91								
6				0.74								
7												
8												
9				0.10								
10		0.05										
11		0.75										
12		0.17										
13						0.15						
14		0.01		0.29	0.60	0.01						
15				2.57		0.11						
16				1.58		0.40						
17			0.42	0.13		1.00						
18			1.60			0.10						
19			0.25		0.01	0.53						
20	0.28				0.12	0.10						
21		1.10			0.93							
22		0.52										
23		0.30			0.18							
24												T
25												
26												
27						2.10						
28						1.51						
29						0.02						
30				0.14								
31	0.05			2.38								
TOTAL	0.33	2.90	2.41	9.84	4.07	6.57	0.00	0.12	0.00	0.00	0.00	T

SEASON TOTAL 26.24

INC = INCOMPLETE

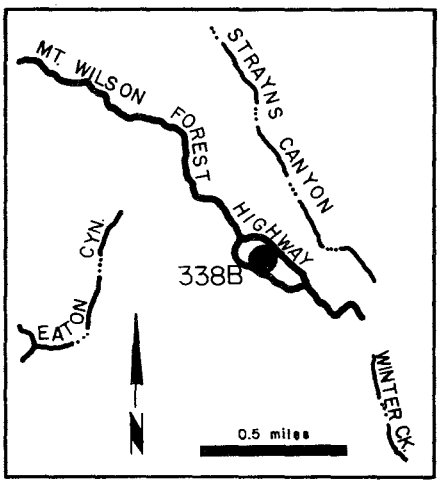
Station No. 321E Foreign Station No. Quad - Index No. 96-72

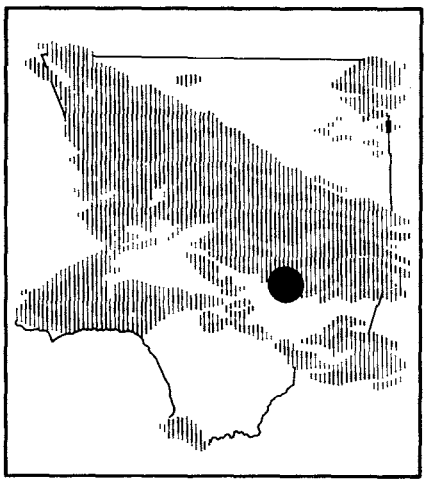
SEASONAL RAINFALL AT PINE CANYON PATROL STATION SEASON 1979-1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1							0.18	0.26				
2						0.71		0.01				
3						1.08						
4												
5						0.75						
6						0.79						
7		0.14										
8		0.54		0.04								
9				1.30								
10				0.47		0.01		0.68				
11				0.99				0.04				
12				0.18								
13				0.05	1.37							
14				0.72	1.45							
15					1.48							
16				0.01	2.68							
17		0.20			2.50							
18				0.28	0.88							
19	0.03				1.38							
20	0.45				0.70							
21			0.11		0.73		0.29					
22							0.12					
23							0.02					
24			0.22					0.05				
25			0.65			0.04						
26						0.71						
27												
28				0.44			0.30					
29				2.10			0.04					
30												
31												
TOTAL	0.48	0.88	0.98	6.58	13.17	4.09	0.95	1.04	0.00	0.00	0.00	0.00

SEASON TOTAL 28.17

MT. WILSON
Station 338 B





Station No. 338B Foreign Station No. Quad - Index No. 52-37

SEASONAL RAINFALL AT MOUNT WILSON-AIRWAYS SEASON 1977-1978

LOCATION

LATITUDE
34° 13' 36"

LONGITUDE
118° 03' 57"

ELEVATION
5709'

THOMAS GUIDE
20A B1

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						7.49						
2						4.43	0.24					
3				0.10		0.44						
4				1.65		6.58	0.85					
5		0.70		0.48	0.58							0.64
6				0.50	1.28		0.15					1.89
7					0.66		0.05					
8					0.29		0.17					
9				0.72	6.49							
10				3.13	5.50	0.03						
11				0.02		0.29						
12				0.01								
13					2.45**							
14				0.63	0.39**							0.19
15				4.76			1.51					
16				0.50			0.74					
17			0.95	1.67								
18			1.33									
19				0.42								
20												
21			0.10			0.74						
22						1.39						
23			0.16									
24										T		
25	T		0.24				0.24					
26			3.55									
27			1.52		0.32							
28			5.80		4.79							
29			0.11									
30						0.21	0.08					
31				0.05		0.02						
TOTAL	T	0.70	13.76	14.64	22.75**	21.62	4.03	0.00	0.00	T	0.00	2.72

** SEE FOLLOWING PAGE FOR SYMBOL EXPLANATION **

SEASON TOTAL 80.22**

SEASON	RAINFALL
1938-39	INC.
1939-40	24.91**
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	24.42
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
1970-71	25.70**
1971-72	14.12
1972-73	47.81
1973-74	43.18
1974-75	34.17
1975-76	38.32
1976-77	29.68
1977-78	80.22**
1978-79	47.21
1979-80	55.81

Station No. 3388 Foreign Station No. Quad - Index No. 52-37

SEASONAL RAINFALL AT MOUNT WILSON-AIRWAYS SEASON 1978-1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1			0.13		0.92	0.79						
2					1.28			0.13				
3					0.20							
4												
5				2.48								
6				1.53								
7				0.40								
8												
9				0.58								
10		0.87										
11		3.68										
12		2.75										
13		0.21				0.45						
14		0.30			0.76	0.04						
15				1.42								
16			1.08	2.74		0.30						
17	0.17		1.56			0.73						
18			1.95	0.45		0.26						
19			1.32		0.07	2.74						
20					0.10	0.64						
21		0.86			2.25							
22		1.32			0.14	0.17						
23		0.21			0.85							
24												0.01
25				0.24								
26												
27						2.76						
28				0.11		2.80						
29						1.04						
30	0.30			0.32								
31	0.23			0.57								
TOTAL	0.70	10.20	6.04	10.84	6.57	12.72	0.00	0.13	0.00	0.00	0.00	0.01

SEASON TOTAL 47.21

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

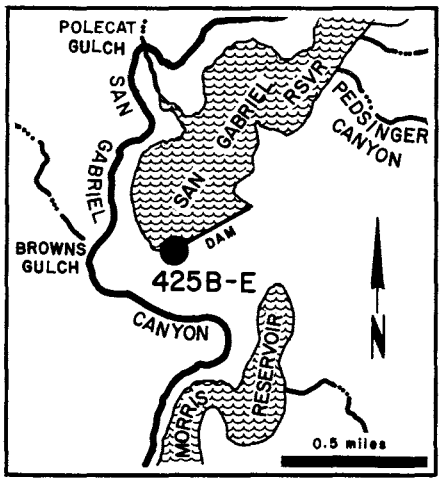
Station No. 338B ..... Foreign Station No. ..... Quad - Index No. 52-37

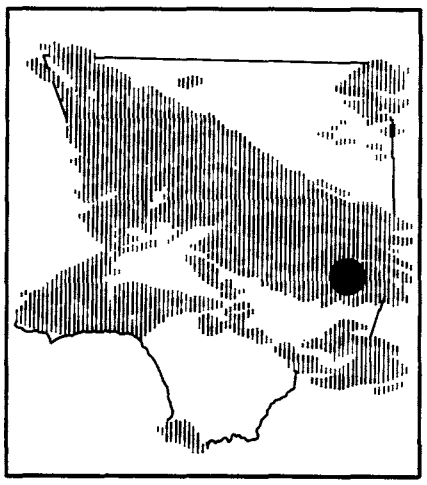
SEASONAL RAINFALL AT MOUNT WILSON-AIRWAYS ..... SEASON 1979-1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1												
2						0.95	0.12					
3		0.04				2.50						
4						0.20						
5						0.46						
6						2.31	0.08					
7		0.20		0.17								
8		0.27		0.49								
9				2.08								
10				0.24		0.20		1.00				
11				1.16				0.12				
12				0.52								
13				0.13	2.05							
14				0.02	5.11							
15				T	4.79							
16				T	5.42							
17		0.13		T	2.19							
18					2.95	0.98						
19	0.10				5.32	0.45						
20	3.70				1.03							
21			0.53		1.85	0.45	0.11					
22			0.05				0.46					
23							0.30	0.10				
24			T									
25			1.02									
26						0.66						
27				0.04								
28				2.14			0.22		T			
29				0.18			0.12					
30				T			0.10					
31												
TOTAL	3.80	0.64	1.60	7.17	30.71	9.16	1.51	1.22	T	0.00	0.00	0.00

SEASON TOTAL 55.81

SAN GABRIEL DAM
Station 425 B - E





LOCATION

LATITUDE
34° 12 ' 19 "

LONGITUDE
117° 51 ' 38 "

ELEVATION
1481 '

THOMAS GUIDE
H A5

LENGTH OF RECORD
non-recording rain gage
10 - 11 - 37 to date
recording rain gage
11 - 3 - 37 to date

ADDITIONAL INSTRUMENTATION
Max - Min Thermometer
Evaporation Pan

Station No. 425B-E ..... Foreign Station No. ..... Quad - Index No. 54-39

SEASONAL RAINFALL AT SAN GABRIEL DAM ..... SEASON 1977-1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						3.98	0.38	0.03				
2						3.83	0.02					
3						1.11						
4				0.50		1.88		T				
5				0.99	0.04	4.42	0.54					
6		0.56		0.19	1.03	0.33						1.65
7				0.15	0.15		1.25					0.05
8					0.93		0.05				T	
9					3.15		0.06				0.09	
10				2.54	6.05	0.07						
11				0.61	0.40	0.51						
12						0.98						
13					2.27		0.02					
14				0.05	0.10							0.05
15				4.31			T					
16				0.09			1.81					
17			T	2.39			T					0.05
18			1.43	0.03								0.02
19		0.05		0.36								
20	0.04			0.04								
21						0.22						
22			0.09			0.39						
23						1.09		0.03				
24			0.17									
25			T				0.03					
26			0.65				0.03					
27			2.22		0.08							
28			3.15		0.39							
29			1.28			T						
30			0.01			T						
31				0.11		1.03						
TOTAL	0.04	0.61	9.00	12.36	14.59	19.84	4.19	0.06	0.00	0.00	0.09	1.82

SEASON TOTAL 62.60

SEASON	RAINFALL
1937-38	44.33
1938-39	29.41
1939-40	20.11
1940-41	53.46
1941-42	17.59
1942-43	47.56B
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	17.37C
1963-64	15.73
1964-65	22.32
1965-66	39.56
1966-67	47.42
1967-68	19.04
1968-69	65.09D
1969-70	20.35
1970-71	21.16
1971-72	13.15
1972-73	36.24
1973-74	25.33
1974-75	21.80
1975-76	20.33
1976-77	18.80
1977-78	62.60
1978-79	30.39
1979-80	58.22

Station No. 425B-E Foreign Station No. Quad - Index No. 54-39

SEASONAL RAINFALL AT SAN GABRIEL DAM SEASON 1978-1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1					1.20	0.38		T				
2			0.10		0.22	0.84		0.13				
3					0.33							
4												
5				0.75								
6				1.92				T				
7								T	0.03			
8												
9				0.14			0.01					
10		0.01		0.01			0.03					
11		0.96									T	
12		0.71										
13						0.11					T	
14		0.26			0.60	0.35						
15				1.02								
16				1.95		0.12						
17			0.38	0.11		0.80						
18			2.00	0.30						0.07		
19			1.65	0.07		1.20						
20	0.08				0.02	0.12						
21					2.11	0.13				0.08		
22		0.75			0.39	0.02						
23		0.15			0.41							
24												
25		0.46		0.07				T				
26				0.29								
27						1.50						
28						1.70		T				
29						0.29		T				
30						0.01						
31	0.09			2.96								
TOTAL	0.17	3.30	4.13	9.59	5.28	7.57	0.04	0.13	0.03	0.15	T	0.00

SEASON TOTAL 30.39

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

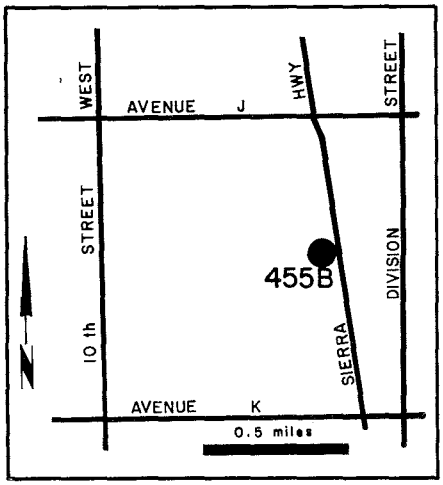
Station No. 425B-E Foreign Station No. Quad - Index No. 54-39

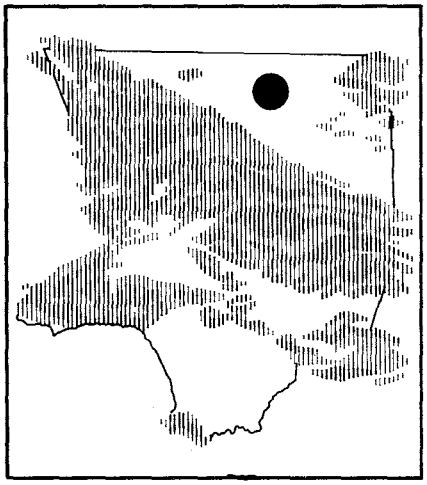
SEASONAL RAINFALL AT SAN GABRIEL DAM SEASON 1979-1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1								0.05				
2							0.16	0.01				
3						2.46						
4						0.63						
5												
6						1.40	0.01					
7				T		0.73						
8		0.27		0.07								
9				1.82								
10				1.88				1.07				
11				1.94		0.15		0.12				
12				0.70				0.02				
13				T	0.05							
14				1.54	3.72						T	
15				1.65	4.67			T				
16				0.01	0.48							
17		0.02		T	7.75							
18				0.37	2.81	T					0.02	
19	T				3.00	0.20						
20	2.63				1.90							
21	0.19		0.17		1.76		0.09	0.06				
22			0.08		0.62		0.30					
23							0.41	0.02				
24							0.04	0.03				
25			0.46					0.01				
26						0.58						
27												
28				0.72			0.04		T			
29				7.65								
30				0.29			0.07					
31				0.32				T				
TOTAL	2.82	0.29	0.71	18.96	26.76	6.15	1.12	1.39	T	0.00	0.02	0.00

SEASON TOTAL 58.22

LANCASTER
Station 455 B





LOCATION

LATITUDE
34° 40 ' 57 "

LONGITUDE
118° 08 ' 02 "

ELEVATION
2395 '

THOMAS GUIDE
160 B5

LENGTH OF RECORD
non-recording rain gage
9 - 1 - 40 to date

ADDITIONAL
INSTRUMENTATION
Max - Min Thermometer

Station No. 455B ..... Foreign Station No. ..... Quad - Index No. 99-61

SEASONAL RAINFALL AT LANCASTER-STATE HIGHWAY MAINT. STATION ..... SEASON 1977-1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						0.59	T					
2						0.21	T					
3				0.10		0.04						
4				0.24		0.40	0.16				T	
5		0.11		T	0.15	0.25					T	0.47
6					0.08		T					0.36
7					0.16		0.32					
8					T		0.03				0.02	
9				0.11	0.82						0.04	
10				0.45	0.84							
11				T								
12					0.23	0.02						
13					0.20							
14				0.41								
15				0.38			0.11					
16				0.30								
17			0.21	T								
18			T	T								
19				0.23								
20	T		T			T						
21			0.07			T						
22						0.15						
23												
24			T							0.03		
25			T									
26			0.80									
27			0.64		T							
28			1.85		1.16							
29												
30				T		0.47						
31						0.11						
TOTAL	T	0.11	3.57	2.22	3.64	2.24	0.62	0.00	0.00	0.03	0.06	0.83

SEASON TOTAL 13.32

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
1972-73	6.04
1973-74	5.37
1974-75	3.77
1975-76	3.83
1976-77	6.01
1977-78	13.32
1978-79	11.33
1979-80	13.24**

Station No. 455B Foreign Station No. Quad - Index No. 99-61

SEASONAL RAINFALL AT LANCASTER-STATE HIGHWAY MAINT. STATION SEASON 1978-1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1			0.07		0.58	0.20						
2					0.08			0.11				
3					0.38							
4												
5				1.20								
6				0.36								
7												
8												
9				0.08								
10												
11		0.28									T	
12		T										
13		0.11				0.01						
14					0.16							
15				0.18								
16				1.32								
17			T	0.88		0.39						
18			0.60	0.07		0.34					T	
19			0.18			0.14						
20						0.08						
21		0.08			0.43							
22		0.20			T							
23					0.02							
24												
25												
26												
27						1.24						
28				0.13		0.15						T
29												
30	0.03											
31				1.25								
TOTAL	0.03	0.67	0.85	5.47	1.65	2.55	0.00	0.11	0.00	0.00	T	T

SEASON TOTAL 11.33

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

Station No. 455B Foreign Station No. Quad - Index No. 99-61

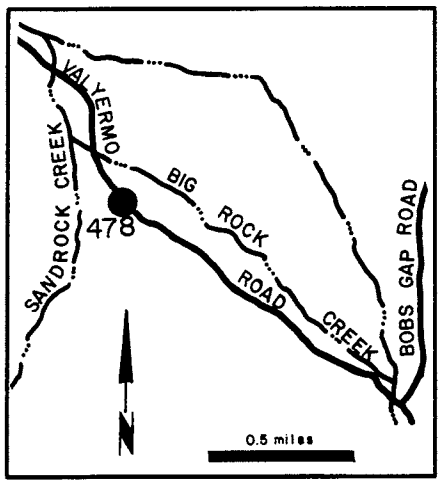
SEASONAL RAINFALL AT LANCASTER-STATE HIGHWAY MAINTENACE STATION SEASON 1979-1980

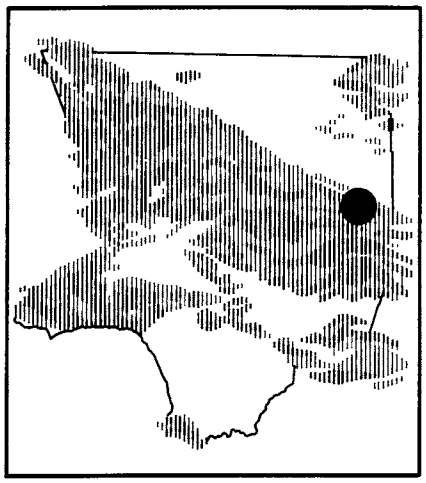
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1								0.97				
2						0.26						
3						0.27						
4												
5						0.09						
6						0.57*						
7		0.21				0.19*						
8												
9				0.63								
10				0.21				0.08				
11								0.30				
12												
13				0.10	2.00							
14				0.07	0.64							
15					0.14							
16					2.63							
17		0.09			0.06							
18				0.06	0.08	0.21						
19					0.22	0.56						
20	0.10		T		0.05							
21			0.02		0.01							
22												
23							0.02					
24												
25			0.12									
26						0.42						
27												
28				0.11			0.03					
29				1.70								
30				0.02								
31												
TOTAL	0.10	0.30	0.14	2.90	5.83	2.57*	0.05	1.35	0.00	0.00	0.00	0.00

* * SEE PREVIOUS PAGE FOR SYMBOL EXPLANATION * *

SEASON TOTAL 13.24**

VALYERMO
Station 478





Station No. 478 Foreign Station No. Quad - Index No. 77-45

SEASONAL RAINFALL AT VALYERMO-USFS HEADQUARTERS SEASON 1977-1978

LOCATION

LATITUDE
34° 26'44"

LONGITUDE
117° 51'10"

ELEVATION
3710'

THOMAS GUIDE
201 H4

LENGTH OF RECORD
non-recording rain gage
12-17-41 to date

ADDITIONAL
INSTRUMENTATION
Max - Min Thermometer

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						2.49						
2						0.17						
3				0.07		0.06						
4				0.96		1.20	0.21					
5		T		0.05	0.85*	1.87	0.15					
6					0.28							0.80
7					0.19*		0.45					
8				0.01	0.24							
9				0.38	2.67	0.04						
10				0.15	3.00						0.03	
11												
12												
13				0.03	0.82							
14				0.68								
15				0.98			0.82					
16				0.52								
17												
18			0.26									
19				0.10								
20												
21												
22			0.07			0.27						
23												
24												
25							0.20					
26			0.92				0.05					
27			0.33		0.06							
28			1.65		0.72*							
29												
30												
31						1.80						
TOTAL	0.00	T	3.23	3.93	8.77*	7.90	1.88	0.00	0.00	0.00	0.03	0.80

** SEE FOLLOWING PAGE FOR SYMBOL EXPLANATION **

SEASON TOTAL 26.54

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
1972-73	9.67
1973-74	7.57*
1974-75	6.02
1975-76	8.25
1976-77	9.57*
1977-78	26.54
1978-79	10.35
1979-80	14.37**

Station No. 478 Foreign Station No. Quad - Index No. 77-45

SEASONAL RAINFALL AT VALYERMO-USFS HEADQUARTERS SEASON 1978-1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1					0.12	0.25						
2					0.03			0.22				
3					0.15							
4												
5				0.21								
6				1.18								
7												
8												
9				0.01								
10												
11												
12												
13						0.11						
14		0.07		0.20	0.10							
15				0.50								
16				0.50								
17			0.16	1.50								
18			0.45	0.08								
19			0.14			0.39						
20	0.09					0.43						
21					0.46							
22		0.20										
23		0.07										
24												
25												
26												
27						0.76						
28						1.10						
29						0.18						
30	0.02			0.24								
31	0.11			0.32								
TOTAL	0.22	0.34	0.75	4.74	0.86	3.22	0.00	0.22	0.00	0.00	0.00	0.00

SEASON TOTAL 10.35

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

Station No. 478 Foreign Station No. Quad - Index No. 77-45

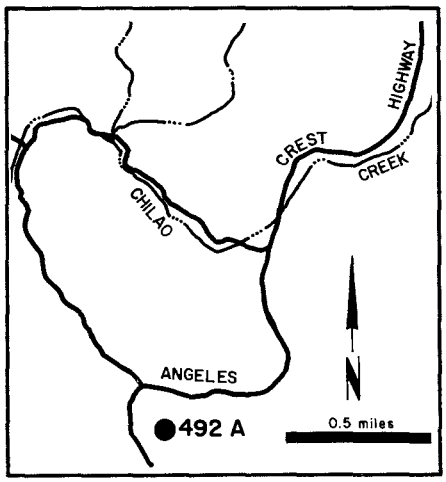
SEASONAL RAINFALL AT VALYERMO-USFS HEADQUARTERS SEASON 1979-1980

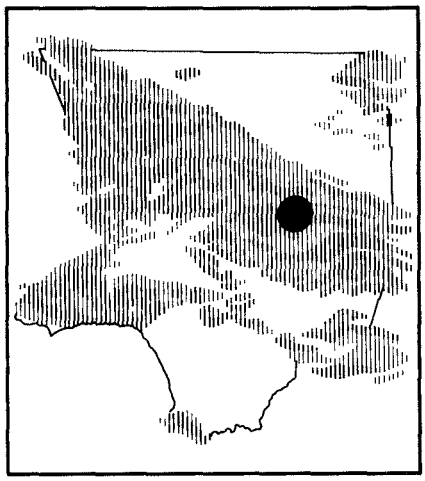
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1							0.11					
2						0.59						
3						0.60						
4												
5												
6						0.10						
7												
8		0.15										
9				0.43								
10				0.30		T						
11				0.16								
12												
13					1.46							
14				0.03	2.11							
15					0.80							
16					1.31							
17					0.49							
18					0.16	0.29#						
19					0.87	0.50#						
20	0.05				0.87							
21					0.03							
22								0.02				
23												
24												
25												
26						0.60						
27												
28				0.18								
29				2.02								
30				0.01					0.03			
31				0.10								
TOTAL	0.05	0.15	0.00	3.23	8.10	2.68#	0.11	0.02	0.03	0.00	0.00	0.00

** SEE PREVIOUS PAGE FOR SYMBOL EXPLANATION **

SEASON TOTAL 14.37##

CHILAO
Station 492A





Station No. 492A Foreign Station No. Quad - Index No. 63-98

SEASONAL RAINFALL AT CHILAO-STATE HIGHWAY MAINTENANCE STATION SEASON 1977-1978

LOCATION

LATITUDE
34° 19' 02"

LONGITUDE
118° 00' 30"

ELEVATION
5280'

THOMAS GUIDE
G C1

LENGTH OF RECORD
non-recording rain gage and recording rain gage
October 10, 1944 to date

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						5.8	0.4					
2						2.3	0.1					
3						0.9						
4				0.5		2.8						
5				1.8	0.1	7.2	0.3					
6		0.1		0.2	0.7	0.3						2.2
7					0.3		0.9					
8					0.5		0.1					
9					2.1		0.1					
10				2.0	12.2							
11				0.7	0.2	0.1						
12						0.3						
13					1.0							
14				0.1								
15				3.0								
16				0.1			1.7					
17				1.4			0.1					
18			0.8									
19			0.1	0.2								
20												
21						0.2						
22						1.3						
23						0.5						
24			0.1									
25							0.2					
26			0.8				0.1					
27			2.2		0.2							
28			3.4		0.4							
29			0.9									
30												
31						3.1						
TOTAL	0.0	0.1	8.3	10.0	17.7	24.8	4.0	0.0	0.0	0.0	0.0	2.2

SEASON TOTAL 67.1

SEASON	RAINFALL
1944-45	21.42**
1945-46	24.86
1946-47	26.15
1947-48	11.90
1948-49	12.75
1949-50	13.29
1950-51	9.02
1951-52	35.71
1952-53	11.53
1953-54	19.37
1954-55	19.31
1955-56	16.82
1956-57	17.69
1957-58	41.52
1958-59	12.47
1959-60	10.60
1960-61	9.86
1961-62	30.35
1962-63	16.64
1963-64	13.06
1964-65	22.33
1965-66	39.27
1966-67	32.07
1967-68	20.49
1968-69	49.29**
1969-70	16.56**
1970-71	21.35**
1971-72	13.25
1972-73	27.25
1973-74	22.08
1974-75	23.30
1975-76	23.50
1976-77	21.20
1977-78	67.10
1978-79	26.60**
1979-80	38.70**

Station No. 492A Foreign Station No. Quad - Index No. 63-98

SEASONAL RAINFALL AT CHILAO-STATE HIGHWAY MAINTENANCE STATION SEASON 1978-1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1					1.0	0.1*						
2			0.2		0.5	0.3*		0.3			T	
3					0.4							
4									0.1			
5				0.9								
6				1.4								
7												
8												
9				0.1								
10												
11		0.9										
12		0.7										
13						0.2*						
14		0.3			0.6	0.2*						
15				0.3								
16				1.8		0.2*						
17			0.4	0.3		0.8*						
18			1.9	0.2								
19			1.0			0.8						
20	0.1											
21					1.0	0.3				0.1		
22		0.8			0.4							
23		0.2			0.3							
24												
25				0.1								0.1
26												
27						1.7						
28				0.1		2.4						
29						0.4						
30												
31	0.3			2.4								
TOTAL	0.4	2.9	3.5	7.6	4.2	7.4*	0.0	0.3	0.1	0.1	T	0.1

SEASON TOTAL 26.6**

* = ESTIMATED GREATER THAN 10% OF THE TOTAL
** = ESTIMATED LESS THAN 10% OF THE TOTAL

Station No. 492A Foreign Station No. Quad - Index No. 63-98

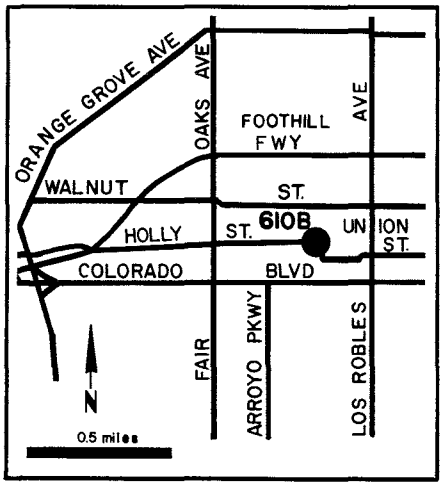
SEASONAL RAINFALL AT CHILAO-STATE HIGHWAY MAINTENANCE STATION SEASON 1979-1980

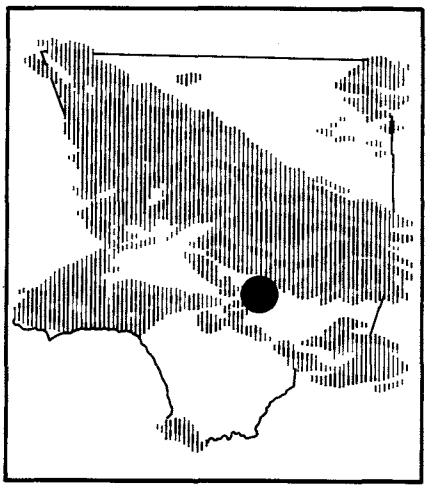
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1												
2							0.1	0.1				
3						3.1						
4						0.1						
5												
6						0.9						
7						0.5						
8		0.4		0.1								
9				1.5								
10				1.2				0.2				
11				1.4*		0.1		0.1				
12				0.2*								
13					0.3*							
14				0.6*	4.5							
15				0.6*	2.3*							
16					0.8*							
17					4.6*							
18				0.3*	0.9*							
19					2.2*	0.2						
20	0.6				1.9*							
21	0.4		0.1		0.8*							
22					0.5*		0.1					
23							0.2					
24							0.1					
25			0.6									
26						0.6						
27												
28				0.1*								
29				5.0*			0.2					
30				0.1*								
31				0.1*								
TOTAL	1.0	0.4	0.7	11.2*	18.8*	5.5	0.7	0.4	0.0	0.0	0.0	0.0

* * SEE PREVIOUS PAGE FOR SYMBOL EXPLANATION * *

SEASON TOTAL 38.7*

PASADENA
Station 610 B





Station No. 610B Foreign Station No. Quad - Index No. 40-56

SEASONAL RAINFALL AT PASADENA CITY HALL SEASON 1977-1978

LOCATION

LATITUDE
34° 08 ' 54 "

LONGITUDE
118° 08 ' 36 "

ELEVATION
1000 '

THOMAS GUIDE
21 C3

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

ADDITIONAL INSTRUMENTATION
Max - Min Thermometer

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						4.98	0.13	0.09				
2						1.51	0.12					
3				0.09		0.22	T					
4				1.53		3.24	0.33					
5		0.11		0.08	0.53	0.80	T					0.25
6		0.02		0.36	0.38	0.02						0.45
7					0.56		0.72					T
8					0.12		0.35					
9				0.74	3.05	0.01						
10				1.43	1.52							
11				0.09		0.13						
12					0.18	0.05						
13					1.14		0.01					0.06
14				0.40								T
15				1.93			0.94					
16				0.97			0.46					
17			0.06	1.03								0.01
18			0.52									
19		T		0.40								
20	0.02											
21			0.02			0.28						
22			0.02			0.67						
23			0.10			0.02						
24			T									
25							0.23					
26			1.68				0.11					
27	T		0.43		0.12		0.01		T			
28			2.95		1.77							
29			0.02			0.01						
30			0.02	T		0.12						
31			0.03	0.04		0.80						
TOTAL	0.02	0.13	5.85	9.09	9.37	12.86	3.41	0.09	T	0.00	0.00	0.77

SEASON TOTAL 41.59

SEASON	RAINFALL
1924-25	12.85
1925-26	22.42
1926-27	25.13
1927-28	13.59
1928-29	16.42
1929-30	15.79
1930-31	17.63
1931-32	22.37
1932-33	16.16
1933-34	21.38
1934-35	26.98B
1935-36	15.73
1936-37	28.79
1937-38	31.39
1938-39	23.71
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
1957-58	30.88
1958-59	9.96
1959-60	9.58
1960-61	7.28
1961-62	24.24
1962-63	11.69
1963-64	10.51
1964-65	16.30
1965-66	24.18
1966-67	26.05
1967-68	16.07
1968-69	32.76
1969-70	11.42
1970-71	15.78
1971-72	8.76
1972-73	25.80
1973-74	18.70
1974-75	15.49
1975-76	13.77
1976-77	15.64
1977-78	41.59
1978-79	24.61
1979-80	39.63

Station No. 610B Foreign Station No. Quad - Index No. 40-56

SEASONAL RAINFALL AT PASADENA CITY HALL SEASON 1978-1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1			0.06		0.80	0.75						
2			T		0.66			0.02				
3					0.06			T	T			
4												
5				1.63								
6				0.79					0.01		T	
7									0.08			
8				T								
9				0.16			0.02					
10		0.40										
11		0.48										
12		0.20										
13		0.12				0.13						
14		0.04		0.36	0.31	0.15						
15				1.02								
16				1.06	T	0.02						
17			0.61	0.04		0.97						
18			0.78	0.16		0.36						
19			0.54	T	0.03	0.77						
20	0.10				0.09	0.21						
21	T	0.76			1.92							
22		0.17			0.09	0.17						
23		0.02			0.30							
24												
25												
26												
27						3.22		T				
28				0.21		1.00						
29				T		0.35		0.01				
30	0.04			0.24								
31	0.05			2.07								
TOTAL	0.19	2.19	1.99	7.74	4.26	8.10	0.02	0.03	0.09	0.00	T	0.00

SEASON TOTAL 24.61

B = STATION MOVED TO LOCATION B SEPTEMBER 3, 1935

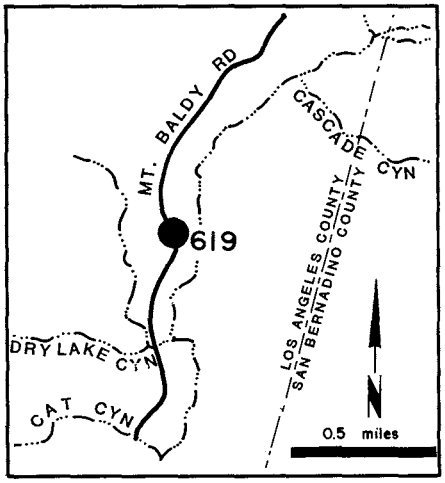
Station No. 610B Foreign Station No. Quad - Index No. 40-56

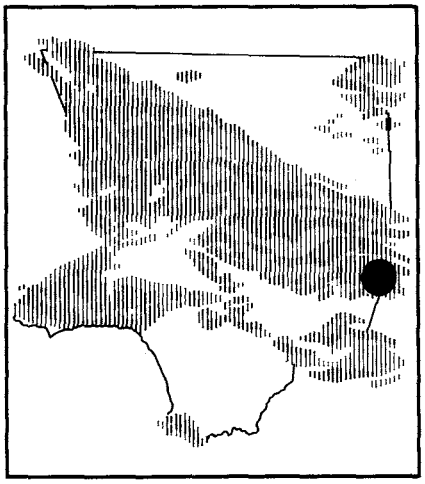
SEASONAL RAINFALL AT PASADENA CITY HALL SEASON 1979-1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1								0.02				
2						0.75				0.04		
3						1.59						
4		0.01				T						
5						0.36						
6						1.17						
7		0.02		0.11				T				T
8		0.26		0.05				0.01				
9		T		2.41				0.01				
10				0.85		0.03		0.26				
11				1.05		T						
12				0.49				0.01				
13				0.18	1.48							
14	T			0.69	3.51							
15				0.01	3.53							
16				0.02	3.39							
17	T	0.01		0.11	2.02							
18				0.19	1.99	1.02						
19	0.01				2.34	0.10						
20	0.91				0.37							
21			0.12		1.07		0.03	0.15				
22					T	0.02	0.03					
23							0.03	0.01				
24			0.18									
25			0.58			T						
26			T			0.58						
27												
28				0.86			0.17					
29				3.94			0.16					
30				0.13			0.18					
31				0.01								
TOTAL	0.92	0.30	0.88	11.10	19.70	5.62	0.60	0.47	0.00	0.04	0.00	T

SEASON TOTAL 39.63

SAN ANTONIO CANYON
Station 619





Station No. 619 Foreign Station No. Quad - Index No. 56-29

SEASONAL RAINFALL AT SAN ANTONIO CANYON SEASON 1977-1978

LOCATION

LATITUDE
34° 12' 29"

LONGITUDE
117° 40' 26"

ELEVATION
3110'

THOMAS GUIDE
H F5

LENGTH OF RECORD
non - recording rain gage
01 - 01 - 01 to 02 - 01 - 38
09 - 01 - 40 to 10 - 03 - 74
recording rain gage
07 - 24 - 56 to date

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						5.2	0.4					
2						3.4						
3						1.8						
4				0.6		1.9	0.3					
5				2.5		5.1**						
6		0.6		0.2	1.3	0.3*	1.4					1.5
7				0.1	0.1							0.1
8					0.6		0.2					
9					3.7							
10				2.5	10.3							
11				0.7	0.3	0.6						
12						1.1						
13					2.0							
14				0.2	0.3							
15				5.1								
16				0.1			2.3					
17				2.3								
18			2.5									
19				0.3								
20												
21						0.2						
22			0.1			0.4						
23			0.1			1.2						
24			0.2									
25												
26			0.7				0.1					
27			2.5		0.1							
28			4.3		0.9							
29			1.7									
30			0.1				0.1					
31						1.1						
TOTAL	0.0	0.6	12.2	14.6	19.6	22.3**	4.8	0.0	0.0	0.0	0.0	1.6

** SEE FOLLOWING PAGE FOR SYMBOL EXPLANATION **

SEASON TOTAL 75.7**

SEASON	RAINFALL
1900-01	31.90*
1901-02	19.78
1902-03	31.07
1903-04	18.34
1904-05	34.88
1905-06	37.96
1906-07	39.48**
1907-08	25.51
1908-09	35.30
1909-10	26.12
1910-11	42.88**
1911-12	23.83
1912-13	15.98**
1913-14	48.05
1914-15	34.89
1915-16	55.26*
1916-17	37.31
1917-18	30.50
1918-19	20.45
1919-20	31.18
1920-21	34.48
1921-22	52.84
1922-23	27.01
1923-24	19.46
1924-25	19.89
1925-26	37.01
1926-27	38.47
1927-28	19.55
1928-29	28.10
1929-30	27.19
1930-31	25.04
1931-32	39.91
1932-33	21.06
1933-34	24.31
1934-35	39.19**
1935-36	28.09
1936-37	51.90
1937-38	57.34#
1938-39	34.47#
1939-40	24.20#
1940-41	58.54
1941-42	20.51
1942-43	24.45
1943-44	33.64
1944-45	37.07
1945-46	31.57*
1946-47	33.63*
1947-48	17.41
1948-49	17.89
1949-50	24.07

Station No. 619 Foreign Station No. Quad - Index No. 56-29

SEASONAL RAINFALL AT SAN ANTONIO CANYON SEASON 1978-1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1			0.2		1.1	0.3		0.4				
2					0.7	1.0						
3					0.3							
4												
5				0.8								
6				1.4								
7												
8												
9												
10												
11		1.1									0.1	
12		0.5										
13		0.1				0.1						
14		0.4			0.8	0.4						
15				1.0								
16				2.5		0.2						
17			0.5	0.1		0.6						
18			2.1	0.3		0.1						
19			2.2	0.1		0.9						
20	0.2		0.1			0.3						
21					2.1	0.3						
22		1.0			0.5							
23		0.3			0.4							
24												
25		0.2										
26				0.1								
27						1.5						
28						4.0						
29				0.2		0.8						
30						0.1						
31	0.1			1.3								
TOTAL	0.3	3.6	5.1	7.8	5.9	10.6	0.0	0.4	0.0	0.0	0.1	0.0

SEASON TOTAL 33.8

* = ESTIMATED GREATER THAN 10% OF THE TOTAL
** = ESTIMATED LESS THAN 10% OF THE TOTAL
INC = INCOMPLETE
# = STATION DISCONTINUED 3-1-38 TO 9-30-40:
USED STATION 856 DURING THIS PERIOD

1950-51	13.33
1951-52	46.54
1952-53	17.40
1953-54	29.53
1954-55	20.69
1955-56	21.05
1956-57	21.77
1957-58	57.80
1958-59	17.27
1959-60	INC
1960-61	13.23
1961-62	34.47
1962-63	19.84
1963-64	19.96
1964-65	24.60
1965-66	47.57*
1966-67	52.42**
1967-68	INC
1968-69	80.70
1969-70	19.44
1970-71	18.88
1971-72	13.52
1972-73	36.43
1973-74	24.97
1974-75	22.90
1975-76	26.67
1976-77	26.00
1977-78	75.70**
1978-79	33.80
1979-80	61.40**

Station No. 619 Foreign Station No. Quad - Index No. 56-29

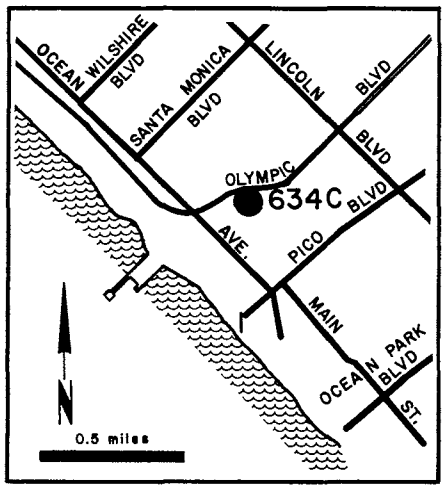
SEASONAL RAINFALL AT SAN ANTONIO CANYON SEASON 1979-1980

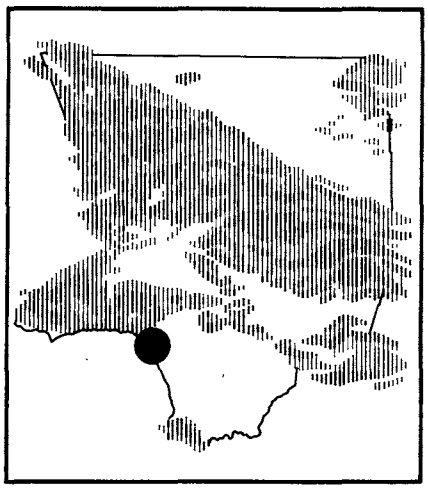
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1								0.1				
2							0.3					
3						4.0	0.1					
4						0.7						
5												
6						1.3						
7						1.2						
8		0.2		0.1								
9				2.2								
10				1.9				0.9				
11				3.0		0.4		0.1				
12				0.2								
13					0.1							
14				0.9	5.7							
15				1.9	6.5							
16					0.4							
17					7.0							
18				0.7	2.6							
19					1.7	0.3						
20	1.6				2.2							
21	0.7		0.1		2.2							
22					1.2	0.4	0.1					
23							0.2	0.1				
24												
25			0.4			0.2	0.1					
26						0.8						
27												
28				0.6								
29				5.4								
30				0.3*			0.1					
31				0.2*								
TOTAL	2.3	0.2	0.5	17.4**	29.6	9.3	0.9	1.2	0.0	0.0	0.0	0.0

* * SEE PREVIOUS PAGE FOR SYMBOL EXPLANATION * *

SEASON TOTAL 61.4**

SANTA MONICA
Station 634 C





Station No. 634C ..... Foreign Station No. ..... Quad - Index No. 25-08

SEASONAL RAINFALL AT SANTA MONICA ..... SEASON 1977-1978

LOCATION

LATITUDE
34° 00 ' 30 "

LONGITUDE
118° 29 ' 27 "

ELEVATION
94 '

THOMAS GUIDE
49 A1

LENGTH OF RECORD
non-recording rain gage
2 - 1 - 27 to date

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						1.61	0.12					
2						0.74						
3				0.21		0.04						T
4				1.12		1.61	0.15	T			T	T
5		0.27		0.01	1.92	0.49						0.37
6				1.00	T							0.15
7					0.78		0.17					
8					0.11		T					
9				0.94	1.99	0.19						
10				1.03	1.07							
11				0.01		0.01						
12					0.15	0.17						
13					1.13		T					0.01
14				0.50			T					
15				1.20			0.53					
16				1.07			0.17					
17			0.20	0.61								
18			0.27									
19				0.32			T					
20												
21			0.04			0.15						
22						0.76						
23												
24												
25							0.09					
26			1.52									
27			0.29		0.27							
28			2.10		1.25							
29			0.09									
30						0.14						
31				T		0.38						
TOTAL	0.00	0.27	4.51	8.02	8.67	6.29	1.23	T	0.00	0.00	T	0.53

SEASON TOTAL 29.52

SEASON	RAINFALL
1926-27	INC.
1927-28	9.70
1928-29	11.44
1929-30	9.59
1930-31	12.46
1931-32	14.84
1932-33	11.34
1933-34	12.39
1934-35	18.56
1935-36	12.31
1936-37	21.47
1937-38	22.32
1938-39	17.26
1939-40	15.89B
1940-41	32.49
1941-42	12.07
1942-43	16.16
1943-44	18.30
1944-45	13.75
1945-46	11.40
1946-47	11.98
1947-48	6.29
1948-49	8.86
1949-50	10.54
1950-51	7.57
1951-52	26.26
1952-53	11.70
1953-54	13.87**
1954-55	11.03
1955-56	15.41
1956-57	11.09
1957-58	23.05C
1958-59	6.79
1959-60	10.07
1960-61	6.50
1961-62	22.96
1962-63	11.59
1963-64	8.06
1964-65	14.16
1965-66	16.23
1966-67	17.67
1967-68	15.76
1968-69	24.54
1969-70	7.23
1970-71	12.78
1971-72	6.54
1972-73	17.79
1973-74	14.67
1974-75	12.33
1975-76	7.46
1976-77	12.80
1977-78	29.52
1978-79	17.24
1979-80	27.12

Station No. 634C Foreign Station No. Quad - Index No. 25-08

SEASONAL RAINFALL AT SANTA MONICA SEASON 1978-1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1			0.02		0.25	0.57						
2					0.50							
3					0.05							
4												
5				1.05								
6				1.26								
7									T			
8								T				
9				0.22								
10		0.07										
11		0.14										
12												
13		0.26				0.02						
14				0.16	0.72							
15				0.66								
16				1.43	T	0.03						
17			0.27			0.42						
18			0.70	0.23								
19			0.33		0.02	0.12						
20	0.09				0.04	0.06		T				
21		0.42			1.15							
22		0.26			T							
23					1.02							
24												
25												
26												
27						1.67		0.01				
28						0.52						
29						0.60						T
30	T			0.44								
31				1.46								
TOTAL	0.09	1.15	1.32	6.91	3.75	4.01	0.00	0.01	0.00	0.00	0.00	T

SEASON TOTAL 17.24

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

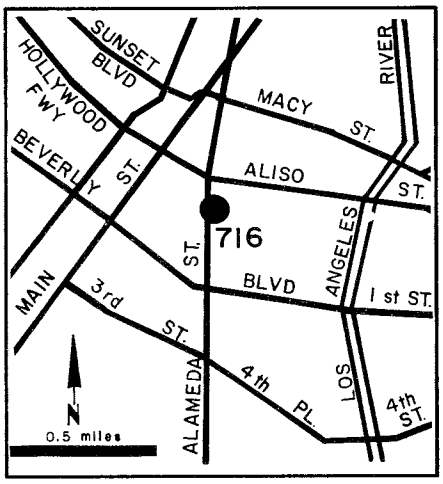
Station No. 634C Foreign Station No. Quad - Index No. 25-08

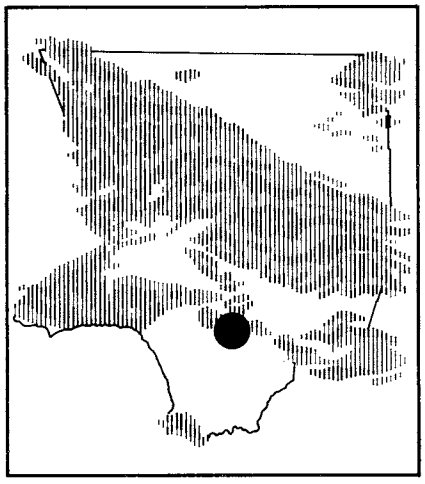
SEASONAL RAINFALL AT SANTA MONICA SEASON 1979-1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1								T				
2						2.28						
3						0.12						
4												
5						0.41						
6						0.39						
7		0.20		0.12								
8		0.14		0.02								
9				2.32								
10				0.63		T		0.12				
11				1.62								
12				0.30								
13	T			0.34	0.63							
14				0.12	1.43							
15				0.16	2.63							
16				0.08	3.23							
17		0.02		0.01	0.78							
18					2.24	0.13						
19	T				0.75	0.01						
20	0.53				0.53			0.02				
21			0.04		1.12			0.02				
22							0.07					
23												
24			0.75									
25			0.02			T						
26						0.53						
27												
28				0.49			0.16					
29				1.57			0.04					
30				T								
31												
TOTAL	0.53	0.36	0.81	7.78	13.34	3.87	0.27	0.16	0.00	0.00	0.00	0.00

SEASON TOTAL 27.12

LOS ANGELES - DUCOMMUN STREET
Station 716





Station No. 716 Foreign Station No. Quad - Index No. 27-64

SEASONAL RAINFALL AT LOS ANGELES-DUCOMMUN STREET SEASON 1977-1978

LOCATION

LATITUDE
34° 03 ' 09 "

LONGITUDE
118° 14 ' 13 "

ELEVATION
306 '

THOMAS GUIDE
44 E3

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						3.33	0.15	0.10				
2						1.34						
3						0.34						
4				0.23		1.64						
5				1.35	0.27	1.67	0.26					
6		0.08		0.21	0.73	0.03						0.35
7				0.35	T		0.37					T
8					0.68							
9					2.00		0.07					
10				1.27	1.53	0.07						
11				0.43		0.01						
12						0.03						
13					1.47							0.04
14				T	0.02		T					
15				1.73								
16				0.05			0.81					
17				1.74								
18			0.84									
19	T			0.33								
20	T			0.01								
21						0.01						
22			0.03			0.26						
23						0.49						
24												
25							0.07					
26			0.69				0.09					
27			0.90		0.12							
28			1.16		0.11							
29			1.03									
30			0.05									
31						0.59						
TOTAL	T	0.08	4.70	7.70	6.93	9.81	1.82	0.10	0.00	0.00	0.00	0.39

SEASON TOTAL 31.53

SEASON	RAINFALL
1871-72	INC.A
1872-73	14.84
1873-74	23.78
1874-75	18.93
1875-76	26.07
1876-77	5.54B
1877-78	21.26
1878-79	11.35
1879-80	20.34
1880-81	13.13C
1881-82	10.40
1882-83	12.11
1883-84	38.18
1884-85	9.21
1885-86	22.76
1886-87	13.82
1887-88	13.76
1888-89	19.78D
1889-90	34.32
1890-91	13.33
1891-92	11.80
1892-93	26.27
1893-94	7.47
1894-95	15.37
1895-96	8.54
1896-97	16.83
1897-98	7.15
1898-99	5.51
1899-00	7.90
1900-01	16.41
1901-02	10.48
1902-03	19.75E
1903-04	8.74
1904-05	19.07
1905-06	18.75
1906-07	19.20
1907-08	13.02F
1908-09	17.92
1909-10	12.64
1910-11	17.36
1911-12	10.37
1912-13	13.45
1913-14	23.63
1914-15	17.04
1915-16	20.69
1916-17	14.49
1917-18	14.53
1918-19	9.20
1919-20	11.27

Station No. 716 Foreign Station No. Quad - Index No. 27-64

SEASONAL RAINFALL AT LOS ANGELES-DUCOMMUN STREET SEASON 1978-1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1					0.59	0.21						
2			0.02		0.06	0.35		T				
3					0.74							
4												
5				0.74								
6				1.42								
7												
8												
9				0.13								
10												
11		0.25										
12		0.51										
13						0.05						
14		0.20			0.32	0.09						
15				0.28								
16				1.39		T						
17			0.33	0.03		0.85						
18			0.24	0.06		T						
19			0.86	0.18		0.78						
20	0.05				0.03	0.14						
21					1.08	0.21						
22		1.17			0.42	0.02						
23		0.15			0.33							
24												
25				T								
26												
27						1.92						
28						1.10						
29				0.01		0.56						
30						T						
31				2.01								
TOTAL	0.05	2.28	1.45	6.25	3.57	6.28	0.00	T	0.00	0.00	0.00	0.00

SEASON TOTAL 19.88

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

1920-21	14.23
1921-22	19.04
1922-23	10.14
1923-24	6.12
1924-25	7.94
1925-26	17.56
1926-27	17.76
1927-28	9.77
1928-29	12.98
1929-30	11.21
1930-31	12.78
1931-32	16.83
1932-33	M1.75
1933-34	14.68
1934-35	21.63
1935-36	12.02
1936-37	22.35
1937-38	23.44
1938-39	18.74
1939-40	13.28
1940-41	35.60
1941-42	11.80
1942-43	19.68
1943-44	18.78
1944-45	10.87
1945-46	11.07
1946-47	13.08
1947-48	7.00
1948-49	7.73
1949-50	10.65
1950-51	7.47
1951-52	26.98
1952-53	9.76G
1953-54	13.07
1954-55	12.79
1955-56	18.17
1956-57	10.66
1957-58	23.37**
1958-59	6.13**
1959-60	9.37H
1960-61	5.59
1961-62	21.46
1962-63	10.88
1963-64	7.12
1964-65	15.57
1965-66	18.92
1966-67	22.84
1967-68	15.71
1968-69	27.81
1969-70	7.77
1970-71	12.10
1971-72	7.43
1972-73	21.14
1973-74	14.98
1974-75	14.34
1975-76	10.24
1976-77	11.65
1977-78	31.53
1978-79	19.88
1979-80	28.66

Station No. 716 Foreign Station No. Quad - Index No. 27-64

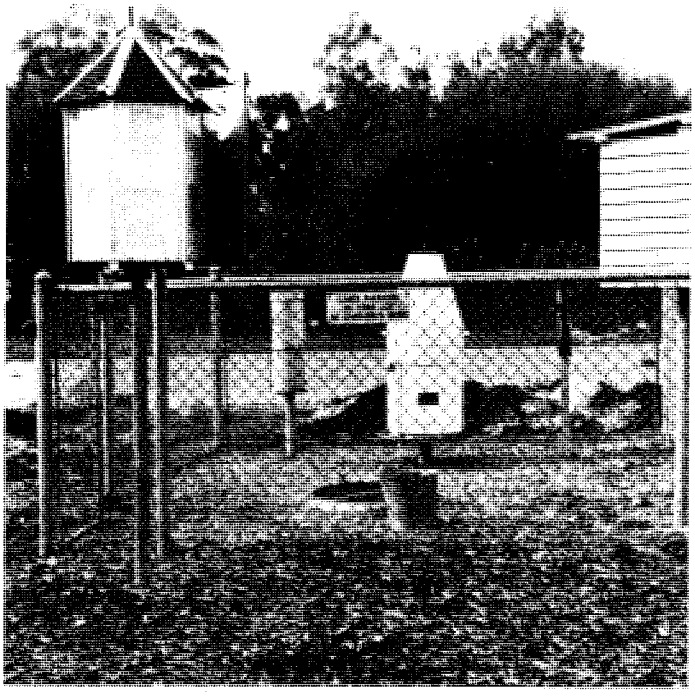
SEASONAL RAINFALL AT LOS ANGELES-DUCOMMUN STREET SEASON 1979-1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1												
2												
3						2.52						
4						0.15						
5												
6						1.18						
7				0.11		0.25						
8		0.20		0.06								
9				1.70								
10				1.06				0.10				
11				1.30		0.04						
12				0.35								
13				0.01	0.02							
14				0.28	2.81							
15				0.08	1.74							
16					0.93							
17		0.02		0.08	2.87							
18				0.05	2.46							
19					1.31	0.19						
20	0.52				0.42							
21	0.26		0.08		0.94			0.04				
22			0.03		0.01	0.12	0.04					
23							0.03					
24							0.02					
25			0.45									
26						0.63						
27												
28				0.11								
29				2.78			0.17					
30				0.09			0.05					
31												
TOTAL	0.78	0.22	0.56	8.06	13.51	5.08	0.31	0.14	0.00	0.00	0.00	0.00

** SEE PREVIOUS PAGE FOR SYMBOL EXPLANATION **

SEASON TOTAL 28.66

EVAPORATION



EVAPORATION

Data for 24 active evaporation stations were reported to the District during the 1977-80 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 Hydrological Data since the 1931-32 season. To be consistent, daily rainfall and evaporation measurements are taken at the same time but reading times vary from station to station.

SUMMARY OF EVAPORATION

The following tabulations indicate the maximum and minimum rates of evaporation in inches at stations within the County for the season. For comparative purpose, only the evaporation amounts from a 24-inch diameter land evaporation pan equipped with a screen were used.

1977 - 78

Maximum Seasonal Amount -
Van Norman Lake ..... 86.78"
Maximum Monthly Amount -
Big Tujunga Dam ..... July 11.16"
Minimum Seasonal Amount -
South Coast Botanic Gardens ..... 45.45"
Minimum Monthly Amount -
Camp Hi Hill (Opids) ..... Feb. 0.82"

1978 - 79

Maximum Seasonal Amount -
Van Norman Lake ..... 87.44"
Maximum Monthly Amount -
Palmdale ..... July 10.21"
Minimum Seasonal Amount -
Descanso Gardens ..... 47.25"
Minimum Monthly Amount -
Pine Canyon ..... Feb. 0.81"

1979 - 80

Maximum Seasonal Amount -
Van Norman Lake ..... 86.43"
Maximum Monthly Amount -
Big Tujunga Dam ..... July 11.01"
Minimum Seasonal Amount -
Baldwin Park ..... 48.59"
Minimum Monthly Amount -
Baldwin Park ..... Jan. 1.29"**

** Less than 10 % of amount was estimated.

COOPERATION

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

1. Land pan, Type L-24

Twenty-four inches in diameter by 36 inches deep. Installed in the 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.

EXPLANATION FOR EVAPORATION SYMBOLS USED

*	=	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 RESULT OF THIS CHANGE.

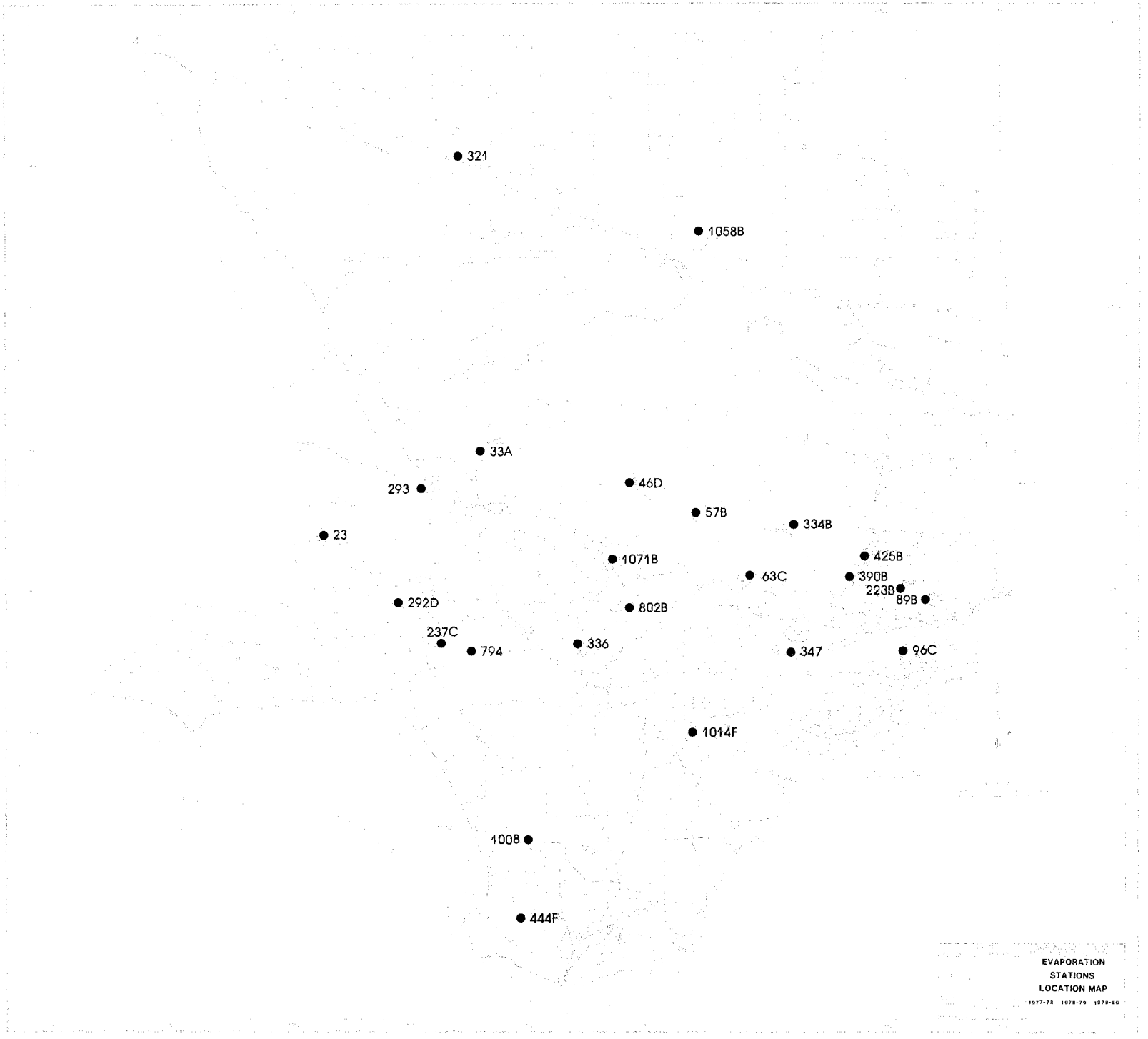

321
1058B
33A
293
46D
57B
334B
23
425B
1071B
63C
390B
223B
89B
292D
802B
237C
336
347
96C
794
1014F
1008
444F
EVAPORATION
STATIONS
LOCATION MAP
1977-78 1978-79 1979-80

PLATE B1

CHATSWORTH RESERVOIR

Station No. 23 B

24" Diameter Screened

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1931-32	7.48	5.24	3.69	4.10	3.30	5.90	7.24	7.62	8.41	10.10	10.35	7.36	80.79
1932-33	7.66	7.60	4.31	4.69	5.42	6.60	5.70	8.05	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	8.88	83.46
1934-35	6.30	3.84	3.73	3.18	4.32	2.84	3.87	4.90	7.02	10.20	9.86	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	6.98	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	1.62	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	3.48	6.62	7.75	10.55	9.08	6.96	68.55
1942-43	5.73	4.96	3.39	3.78	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	2.56	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	5.18	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	5.32	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	8.40	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	6.68	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	4.98	4.99	7.21	7.64	5.22	52.13
1965-66	5.38	3.33	1.78	2.48	2.15	3.48	4.82	4.84	6.56	12.80	9.86	6.05	63.53
1966-67	5.63	2.02	2.50	2.67	2.98	2.31	3.67	6.40	6.04	8.89	10.23	6.68	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	6.30	7.18	9.62	10.66	8.80	78.30
1971-72	7.88	4.93	5.38	5.28	4.25	6.23	6.99	7.54	7.96	11.26	9.76	7.22	84.68
1972-73	5.59	N.R.	4.87	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	9.58	9.08	7.43	INC.
1973-74	7.91	3.69	4.11	2.18	6.15	3.31	6.54	6.14	9.06	10.09	8.98	7.84	76.00
1974-75	5.28	5.40	5.76	5.82	2.90	4.07	3.80	6.42	6.84	7.94	9.27	7.81	71.31
1975-76	6.74	7.23	5.79	7.34	4.76	7.01	5.83	7.56	10.02	9.17	9.14	5.84	86.43
1976-77	7.31	7.07	6.68	6.09	5.58	6.13	6.40	4.64	6.93	10.12	8.67	6.71	82.33
1977-78	5.81	6.72	3.33	N.R.	N.R.	N.R.	3.86	8.18	8.68	10.86	8.50	8.26	INC.
1978-79	5.92	3.84	4.04	2.22	2.73	3.19	5.23	6.24	8.63	9.35	8.42	8.31	68.12
1979-80	5.35	4.72	4.63	N.R.	N.R.	4.01	7.55	5.34	7.80	10.65	8.95	6.65	INC.

PACOIMA DAM

Station No. 33A

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	53.99
1935-36	5.81	4.29	3.61	3.34	1.93	4.22	4.53	5.51	5.52	6.70	7.11	7.98	60.55
1936-37	5.56	5.65	3.08	.74#	1.94	3.82	4.50	3.92	4.85	7.17	6.58	6.99	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	5.78	4.51	4.73	4.02	2.80	3.66	6.38	6.80	7.26	6.91	7.27	65.61
1943-44	5.30	5.92	3.42	3.96	2.35	5.02	4.11	4.24	4.22	6.28	7.08	4.65	56.56
1944-45	4.55	2.87	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	3.66	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	8.48	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	8.98	9.08	73.41
1955-56	5.98	5.20	2.80	2.98	3.39	6.00	3.45	4.42	6.85	7.18	7.38	9.28	64.91
1956-57	5.06	8.58	6.90	3.38	2.48	4.26	4.03	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	6.38	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	68.29
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	6.80	6.54	68.12
1961-62	6.95	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**	4.88**	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	5.80	6.64	7.18	6.50	8.76	8.62	10.58	INC.
1970-71	7.62	5.58	3.86**	4.87	4.85	6.01	6.01	4.86	5.62	8.32	9.40	8.28	75.29**
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
1972-73	5.85	5.41	6.08	4.08	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1973-74	N.R.	N.R.	N.R.	3.94	6.85	3.54	7.62	5.44	7.98	8.62	8.72	7.95	INC.
1974-75	6.65	6.96	6.08	6.89	4.18	4.30	3.72	5.82	5.82	8.18	10.20	9.08	77.88
1975-76	7.97	8.51	6.53	8.45	5.40	7.24	5.36	6.52	9.51	8.36	8.74	4.76	87.35
1976-77	8.02	8.58	7.72	5.04	7.23	6.65	6.75	4.26	6.14	9.20	7.35	7.80	84.74
1977-78	7.75	8.51	4.88	3.97	3.62	5.43	3.70	8.78	8.21	8.98	7.95	9.06	80.84
1978-79	7.86	4.99	4.93	1.57	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.
1979-80	8.11	7.27*	7.84	4.09	7.10	5.39	7.67	3.89	7.98	10.32	8.80	7.83	86.30**

* REFER TO BEGINNING OF SECTION FOR SYMBOL EXPLANATION

BIG TUJUNGA DAM

Station No. 46D

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	3.88	1.65	.58	1.28	2.65	4.50	5.20	7.22	9.18	9.02	8.32	58.66
1937-38	5.92	3.42A	2.82	2.52	1.52	2.08	3.66	5.44	7.15	9.18	9.22	8.03	60.98
1938-39	5.96	5.56	2.88	2.07	2.51	3.00	4.80	5.92	8.92	9.68	9.86	6.70	67.85
1939-40	4.88	3.88	2.58	1.70	1.92	3.33	4.01	6.12	8.82	10.78	10.15	7.58	65.73
1940-41	6.06	3.86	1.91	1.47	1.08	2.24	2.52	6.72	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	6.78	2.20	3.61	2.13	5.32	5.42	6.28	6.94	10.98	12.29	8.88	80.18
1944-45	7.05	3.30	3.92	3.54	3.09	3.32	6.75	7.45	7.55	11.30	12.36	11.48	81.11
1945-46	7.88	5.68	3.50	6.40	4.44	4.56	6.54	7.00	12.30	13.75	14.78	13.15	99.98
1946-47	6.17	3.52	3.16	5.05	3.41	3.96*	5.88	7.52	8.12	14.18	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	95.36
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	6.16	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	8.46	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	8.68	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	7.28	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**	5.98	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	9.58	7.85	INC.
1972-73	5.37	4.46	4.33	3.73	2.60	3.18	6.07	6.70	8.91	10.68	9.20	9.00	74.23
1973-74	8.30	3.62**	4.14	2.84**	5.24	3.40**	6.06	6.62	8.87	10.22	10.76	10.05	80.12**
1974-75	6.44	5.48	4.87	5.23	3.78	4.20	3.44	7.42	7.72	10.30	11.68	10.33	80.89
1975-76	7.26	6.84	6.13	7.76	4.14	5.93	4.98	7.48	10.23	10.60	9.71	5.29	86.35
1976-77	7.21	6.08	5.56	3.33	4.95	5.42	5.72	4.09	7.62	11.48	9.00	7.57	78.03
1977-78	7.83	6.33	4.29	2.28	3.11	3.13	3.70	7.16	9.47	11.16	9.73	8.09	76.28
1978-79	8.21	3.92	3.50	2.48	2.59	3.04	5.16	5.83	8.43	9.69	9.18	9.66	71.69
1979-80	5.61	4.71	4.85	2.69	3.66	3.9	5.79	3.92	7.69	11.01	9.26	7.67	70.76

CAMP HI HILL (OPID'S)

Station No. 57B

24" Diameter Screened

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1931-32	2.14	1.38#	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#	2.66#	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	10.66	11.21	7.91	55.27#
1937-38	4.94	1.90	1.30#	.98#	.28#	1.05#	3.12	5.14	7.19	8.83	8.08	5.45	48.26#
1938-39	2.25	1.84	.94	.24#	#	.78#	4.28	5.74	7.68	8.00	8.04A	3.84	43.63#
1939-40	2.29	1.12	.60#	.15#	.26#	1.62#	2.54	5.13	6.82	8.40	8.09	4.43	41.46#
1940-41	2.55	1.10	.30#	.04#	.09#	.79#	1.96	5.42	5.96	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	.83#	.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#	#	.46#	2.12	3.84	5.44	7.38	8.38	9.09	5.28	47.42#
1950-51	3.26	1.50	1.02	.30#	.33#	1.53#	2.37	5.14	6.88	8.63	8.78	6.90	46.64#
1951-52	3.66	.90#	#	#	.30#	.25#	2.39	6.58	5.82	8.06	9.32	5.28	42.56#
1952-53	3.64	.56#	.07#	.57#	.70#	1.44#	2.62**	4.34**	5.95	9.30	8.12	6.73	44.04#**
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	8.30	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	.69#	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#	INC.#	.62*#	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	5.60	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**	.50*	.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.#
1972-73	2.01	1.98	INC.	#	#	.78	3.62	5.50	7.01	8.54	7.50	5.38	INC.
1973-74	2.77	.41#*	1.00	#	#	INC.#	3.42	5.10	6.84	7.16	7.89	5.80	INC.
1974-75	2.34	1.02	#	#	#	1.53	1.64	5.27	6.42	7.17	7.11	5.02	INC.
1975-76	2.67	1.34	#	#	#	#	2.52	5.21	6.46	7.07	6.11	2.72	INC.
1976-77	2.36	1.02	#	#	.79	1.37	3.49	2.41	5.42	7.46	6.08	4.35	INC.
1977-78	2.58	1.42	1.22	.97	.82	1.12	1.54	4.67	6.18	7.92	7.46	DISC.	INC.
1978-79	DISC.												

* REFER TO BEGINNING OF SECTION FOR SYMBOL EXPLANATION

SANTA ANITA DAM

Station No. 63C

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	3.56	2.45	5.95	4.82	4.56	6.10	7.82	6.98	6.88	68.38
1931-32	5.18	3.86	2.68	3.04	2.38	4.34	5.47	4.64	5.54	6.88	7.64	5.56	57.21
1932-33	5.93	6.60	3.49	3.54	3.41	4.81	4.42	4.37	5.50	5.99	5.36	4.15	57.57
1933-34	4.12	4.81	2.68	3.38	2.01	3.72	3.70	4.16	2.84	4.46	4.44	4.62	44.94
1934-35	6.40	4.28	4.08	3.28	4.41	3.47	3.73	4.46	6.14	9.02	9.20	7.26	65.73
1935-36	6.71	5.18	4.58	4.28	2.35	4.78	4.62	6.97	7.36	8.36	8.32	7.74	71.25
1936-37	6.09	6.54	3.94	1.99	2.38	4.04	5.26	4.68	5.24	7.90	8.08	7.55A	63.69
1937-38	6.02	3.73	4.22	3.96	2.49	3.00	3.71	4.37	4.44	6.10	7.00	7.00	56.04
1938-39	5.15	4.72	2.77	2.30	2.05	2.28	3.82	4.48	5.89	6.28	6.47	6.26	52.47
1939-40	5.87	4.74	4.04	2.06	2.48	3.72	3.31	5.00	5.06	7.68	6.34	6.06	56.36
1940-41	5.31	4.74	3.47	2.38	1.66	3.26	2.78	5.01	4.32	6.28	5.38	5.30	49.89
1941-42	4.62	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	2.68	3.40	7.84	6.28	5.16	47.72
1947-48	3.88	4.20	3.50	4.78	3.29	2.94	3.11	3.76	3.39	5.76	5.30	5.14	49.05
1948-49	3.63	4.48	2.70	2.00#	1.71	2.36	3.90	3.35	4.54	4.87	5.85	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	3.38	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	5.38	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	4.10	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	3.67**	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	3.24	3.04	2.58	2.50**	2.86**	2.53	2.40	3.46	7.96	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	8.56	3.88**	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	5.60	4.19**	2.66	4.38	4.21	4.81	4.72**	3.96	6.14	6.76	7.06	60.25
1970-71	4.88	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**
1972-73	4.08	3.62	3.92	4.58	2.22	2.41	2.22	3.84	5.72	6.38	6.04	4.95	49.98
1973-74	6.30	3.32**	3.92	2.88**	4.22	2.45**	4.12**	N.R.	N.R.	7.42**	6.80	6.78	INC.
1974-75	4.95	5.09	4.22	4.96	2.83	3.15	2.60	4.43	4.43	6.76	8.20	7.32	58.94
1975-76	5.59	5.85	4.38**	6.10	3.90	5.28**	4.20**	4.56	7.15	6.51	7.56	3.81	64.89**
1976-77	6.06	6.14	5.28	3.12	5.18	4.86	4.74	3.08	4.85	8.08	6.08	5.83	63.30
1977-78	5.70	5.32	2.97	2.31	2.69	3.24	2.91	5.82	6.75	7.75	6.72	6.80	58.98
1978-79	5.85	3.75	3.48	1.83	2.39	2.72	4.61	4.10	6.54	7.13	6.20	7.92	56.52
1979-80	4.48	4.24	5.09	4.94	2.80	2.82	3.48	3.62	5.36	8.28	7.26	5.59	57.94

SAN DIMAS DAM

Station No. 89B

24" Diameter Screened

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1934-35	7.28	2.98	1.68	.64	.58	.65	.64	1.25	2.78	3.02	4.87	5.39	31.76
1935-36	5.22	3.23	1.94	1.86	.78	2.63	2.62	4.42	5.31	6.26	7.26	7.01	48.54
1936-37	5.36	3.79	1.54	.34#	.90	2.04	2.80	3.27	4.75	7.71	8.46	7.72A	48.68#
1937-38	6.64	2.85	2.84	1.58	.48	.94	1.79	1.54	1.94	3.26	4.46	5.25	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	1.08	.66**	.45	1.92	1.85	3.52	7.65	7.82	7.20	39.91**
1945-46	4.00	1.96	.72	1.50	.80	1.32	2.20	1.22	6.38	6.45	6.65	6.55	39.75
1946-47	2.28	1.38	.86	1.50	1.60	1.41**	1.96	2.52	4.94**	8.95	7.05	6.25	40.70**
1947-48	2.18	2.32	1.76	3.95	1.98**	1.98	2.34**	3.69	5.24	7.66	7.71	7.12	47.93**
1948-49	4.44	3.88	1.44	.88	1.06	1.97	3.50	4.17	6.18	7.48	7.69	6.23	48.92
1949-50	4.42	3.44	1.96	1.10	1.50	2.75	3.42	4.28	6.16	7.60	7.74	5.04	49.41
1950-51	5.14	3.26	2.51	1.65	1.95	3.56	2.82	5.45	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	2.89	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	7.67	6.54	6.35	49.91
1954-55	4.54	2.69	1.92	1.28	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	6.05	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	4.75	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	5.88	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	1.88	2.08	2.34	2.26	2.68	4.30	4.66	6.18	7.47	7.18	5.58	50.53
1961-62	4.60	2.54	1.30	2.08	1.33	1.80	4.34	4.41	5.08	7.13	7.64	5.76	48.01
1962-63	3.65	2.62	2.28	1.76	2.20**	2.92**	3.66	4.00	4.08	7.47	6.99	5.75	47.38**
1963-64	3.38	2.07	2.16	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.	2.18**	1.73**	1.98	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	47.66**
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	2.78	1.93	1.44	1.26	2.86	3.73	4.64	3.70	7.24	8.99	5.92	48.45
1969-70	4.56	2.87	2.16	1.37	3.36	3.27	4.42	5.98	5.88	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
1972-73	3.68	2.21	2.09	1.51	1.32	1.98	4.25	5.16	7.40	7.83	7.00	4.98	49.41
1973-74	4.84	2.23	1.68**	1.24	2.46	1.50	4.11	4.24	6.75	8.20	7.37	6.23	50.85**
1974-75	3.65	2.73	2.10**	2.14**	1.66	2.40**	2.20	4.70	5.11	7.84	8.05	6.18	48.76**
1975-76	4.01	2.90	1.97	2.84	1.92	3.36	3.45	5.31	7.77	7.40	7.61	3.62	52.16
1976-77	4.40	3.48	2.70	1.32	2.82	3.28	4.42	3.56	5.81	8.60	6.67	5.39	52.45
1977-78	4.24	2.89	1.64	1.43	1.56	1.99	2.42	5.84	7.55	8.89	7.55	5.78	51.78
1978-79	4.67	2.15	1.46	1.41	1.49	1.93	4.20	4.86	7.30	8.01	6.76	7.31	51.55
1979-80	4.78	2.54	2.40	5.61	6.45	2.05	3.74	2.93	6.53	9.42	7.72	5.38	59.55

* REFER TO BEGINNING OF SECTION FOR SYMBOL EXPLANATION

PUDDINGSTONE DAM

Station No. 96C

24" Diameter Screened

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	3.88	5.32	5.18	6.16	7.25	10.06	9.38	6.58	73.78
1933-34	6.99	7.32	4.18	4.10	2.68	4.44	4.74	8.82	6.39	9.99	9.67	8.55	77.87
1934-35	6.46	3.67	3.50	2.72	2.65	3.32	3.84	5.73	6.72	9.48	7.68	7.68	65.61
1935-36	6.68	5.19	4.35	3.96	2.46	3.87	4.66	7.61	8.60	10.10	10.78	9.24	77.50
1936-37	7.38	6.72	3.91	2.35	2.15	3.33	5.50	5.76	7.58	10.24	9.72	8.95	73.59
1937-38	6.96	4.33	3.88	3.52	2.18	3.00	3.82	4.82	6.50	9.30	9.76	8.88	66.95
1938-39	7.41	6.34	4.26	3.00	3.37	2.98	5.02	5.85	8.58	10.12	8.64	7.64	73.21
1939-40	6.33A	4.42	3.86	2.03	2.60	3.69	3.80	4.45	4.79	7.30	8.30	6.94	58.51
1940-41	6.28	4.92	5.02	3.72	2.58	3.66	3.65	5.95	5.95	8.34	7.78	5.62	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	7.38	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	2.06	3.30	5.48	4.88	7.43	7.54	7.12	52.72
1945-46	4.36	4.12	2.92	3.54	2.14	2.91	3.50	3.92	7.55	8.45	8.72	7.52	59.65
1946-47	4.56	2.62	2.18	2.66	2.40	2.68	3.52	3.98	4.70	8.28	7.32	5.86	50.76
1947-48	4.28	3.52	2.80	3.22	2.83	2.73	3.16	4.87	4.96	7.44	6.39	5.98	52.18
1948-49	4.00	4.21	2.33	2.05	1.40	2.18	3.42	4.20	5.86	6.14	6.61	5.88	48.28
1949-50	4.36	3.97	2.78	1.62	1.42	2.14	3.01	3.58	5.22	6.22	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	2.38	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	5.88	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	1.68	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	6.18	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**	3.60	4.63	4.53	6.07	8.04	7.38	5.96	56.07**
1966-67	4.69	2.64**	2.69	2.57	3.37	3.25**	3.00	5.36	5.18	8.57	8.91	5.91	56.14**
1967-68	6.35	3.23**	2.75	2.78	2.02	4.26	5.30	5.94	6.86	9.22	8.78	7.44	64.93**
1968-69	5.02	3.85	2.84	1.86	1.86	3.42	4.37	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	3.98	5.84	6.42	6.94	10.04	9.00	6.17	66.04
1972-73	4.33	2.97	3.05	2.56	1.42	2.51	4.92	5.64	8.05	8.40	7.84	5.89	57.58
1973-74	6.04**	3.08	2.76	1.69	3.29	2.29	5.55	5.64	7.89	9.32	8.42	7.70	63.67**
1974-75	4.96	3.84	2.82	3.06	1.96	2.84	3.08	5.89	6.48	9.72	9.80	8.21	62.66
1975-76	5.56	4.48	3.30	4.14	2.61**	4.50	4.86	6.31	9.31	8.93	9.44	5.00	68.44**
1976-77	5.58	4.93	4.07	2.14	3.80	4.55	5.64	4.41	7.53	11.02	8.54	7.26	69.47
1977-78	5.30	4.41	2.40	1.91	2.25	2.79	3.40	7.95	9.71	10.82	9.28	7.93	68.15
1978-79	5.76	3.02	2.60	1.85	2.08	2.73	5.42	6.23	8.48	9.59	8.84	8.97	65.57
1979-80	5.22	4.04	3.91	1.99	2.49	3.26	5.71	4.64	7.60	10.09	9.18	6.61	64.74

BIG DALTON DAM

Station No. 223B

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	3.86	8.86	7.74	8.02	9.80	12.76	11.97	11.16	104.06
1931-32	7.32	5.08	3.02	3.21	2.71	6.02	7.20	7.15	8.41	11.02	11.84	8.88	81.82
1932-33	6.78	7.88	3.10	4.25	4.35	6.47	5.51	6.60	9.39	10.92	10.22	7.78	83.25
1933-34	8.03	7.99	3.22	4.52	2.84	6.42	7.08	9.42	6.76	12.15	11.36	11.02	90.81
1934-35	7.02	3.77	3.52	2.87	4.16	3.25	4.42	5.72	8.30	10.45	10.42	7.82A	71.72
1935-36	6.50	4.12	3.28	2.88	1.85	4.05	4.10	7.00	8.24	9.32	9.55	8.45	69.34
1936-37	6.22	5.00	2.92	1.50	1.92	3.28	5.75	5.00	6.60	9.40	9.40	8.25	65.24
1937-38	6.98	3.80	3.22	3.40	2.65	2.12	2.65	3.45	6.08	8.95	8.80	7.53	59.66
1938-39	5.28	4.65	4.08	2.98	3.48	2.48	3.55	4.28	6.32	7.70	7.88	6.98	59.62
1939-40	4.85	3.75	2.82	1.55	2.25	3.22	2.65	5.58	6.40	9.85	8.42	6.78	58.12
1940-41	5.02	2.75	1.74	1.45	.78	1.88	2.55	5.18	5.22	8.50	6.32	5.65	47.04
1941-42	4.00	3.35	1.55	1.72	2.30	3.25	2.22	4.80	4.80	9.48	8.18	6.55	52.20
1942-43	4.72	4.48	3.83	3.34	2.80	1.73	3.20	5.37	6.12	8.88	8.30	7.96	60.73
1943-44	5.06	4.75	1.81	1.10	1.43	3.50	3.06	3.23	3.38	6.51	9.71	7.13	50.69
1944-45	3.99	.86	1.14	3.10	2.02	.64	2.88	2.63	2.91	6.78	6.81	5.01	38.77
1945-46	4.98	1.04	.74	1.30	.55	.90	1.46	1.60	6.14	8.28	8.69	6.26	41.94
1946-47	4.15	2.23	1.30	2.73	2.04	1.36	2.32	4.26	4.28	9.00	7.14	5.99	46.80
1947-48	4.17	3.78	2.94	3.20	2.83	2.10	3.12	3.74	4.32	6.70	7.49	6.89	51.28
1948-49	3.40	2.92	.98	1.18	1.38	1.37	3.38	3.38	5.93	7.05	6.80	6.72	44.49
1949-50	4.22	3.02	1.80	.86	1.51	2.76	2.71	3.74	5.88	7.40	6.79	5.14	45.83
1950-51	4.93	3.04	2.22	1.40	1.86	3.07	2.58	3.85	4.88	7.37	6.94	6.63	48.77
1951-52	4.83	2.31	1.46	1.08	2.01	2.07	2.36	5.62	5.48	7.81	7.80	6.10	48.93
1952-53	4.64	2.08	1.17**	1.50**	3.27	2.81	2.70	4.58	4.62	7.05	6.77	5.43	46.62**
1953-54	4.41	2.31	2.52	1.37	2.46**	2.42	2.73	3.98	4.47	6.64	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	2.28	1.02	1.08	1.68	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	39.59
1958-59	4.12	2.46	2.48	1.68	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	3.58	3.08	2.24	2.73**	3.25**	3.27	3.88	4.10	7.98	7.40	5.77	51.91**
1963-64	3.56	2.28	2.74	2.60**	3.73	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	1.85	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	5.88	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	47.86**
1971-72	5.22	2.90	1.98*	2.14	2.32	2.89	4.12	4.66	4.88	7.68	6.32	4.36	49.47*
1972-73	3.26	2.42	2.22	1.72	1.58	1.17	3.34	3.67	4.90	6.25	5.40	4.24	40.17
1973-74	4.57	2.16**	2.01**	1.86*	3.70	2.34**	5.38	5.14**	7.72	9.43	9.08	8.07	61.46**
1974-75	5.07**	4.51	3.41**	3.36**	2.51**	3.60*	3.20**	5.22	5.56	8.46	9.32	7.45	61.67**
1975-76	5.19	4.44	3.08	4.16	2.68**	4.14**	4.15	5.13	8.14	7.64	7.68	3.87	60.30**
1976-77	5.28	4.26	3.24	2.02	3.49	3.93	4.59	3.72	5.50	8.83	6.76	5.79	57.41
1977-78	4.98	3.73	2.13	1.84	1.84	2.71	2.72	5.71	7.21	8.24	7.34	6.34	54.79
1978-79	4.96	2.46	1.81	1.58	1.73	2.04	3.82	4.38	6.91	7.70	7.30	9.36	54.05
1979-80	4.54	2.83	2.61	1.41	2.62	2.50	4.54	3.18	6.13	8.93	7.77	5.63	52.69

* REFER TO BEGINNING OF SECTION FOR SYMBOL EXPLANATION

STONE CANYON RESERVOIR

Station No. 237C

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	5.60	5.59	6.77	6.76	7.22	6.88	66.28
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	8.36	8.36	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	8.79	4.13	3.75	3.46	3.60	5.23	6.05	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	6.80	3.52	3.91	3.91	2.60	5.43	5.78	6.39	6.20	7.55	7.66	6.72	66.57
1968-69	5.34	5.39	4.31	3.50	2.83	4.88	6.54	5.54	5.10	7.12	8.07	6.25	64.87
1969-70	6.68	5.68	3.81	2.82	2.62	6.06	6.32	6.91	6.70	8.62	6.56	7.78	72.56
1970-71	5.73	4.08	2.98	3.69	4.38	4.82	5.86	5.80	5.68	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
1972-73	4.45	4.96	5.46	5.20	2.68	3.34	5.88	5.16	6.99	6.98	6.97	6.00	64.07
1973-74	6.92	4.61	4.15	2.58	4.89	2.42	5.99	5.74	6.86	7.99	6.81	6.16	65.12
1974-75	4.18	4.90	5.10	4.13	4.80	4.05	3.60	5.53	5.57	7.18	7.28	6.38	62.70
1975-76	5.84	5.68	4.57	5.26	5.22	6.51	5.14	5.71	7.35	7.30	8.26	4.45	71.29
1976-77	5.47	5.27	5.13	6.22	4.87	6.71	5.10	4.55	5.51	7.69	7.40	5.40	71.32
1977-78	4.47	6.10	3.30	2.49	N.R.	5.87	3.84	7.45	7.69	8.39	7.46	7.47	INC.
1978-79	N.R.	3.47	3.68	2.67	3.17	3.23	5.98	5.80	7.00	7.58	6.88	6.62	INC.
1979-80	4.69	4.80	4.40	3.88	3.35	4.16	5.52	4.94	6.60	8.39	7.34	4.99	63.06

ENCINO RESERVOIR

Station No. 292D

24" Diameter Unscreened to 9 - 30 - 46 and screened thereafter

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	6.66	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	3.98	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	4.88	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	2.33	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	6.48	7.54	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.	N.I.	N.I.
1962-63	4.58*	4.35*	3.60	3.42	3.32	5.27	4.89	5.04	5.94	8.81	8.66	7.46	65.34*
1963-64	5.60	3.86	4.59	4.63	5.49	5.40	5.78	6.44	6.72	9.88	8.96	7.42	74.77
1964-65	6.22	4.14	2.79	2.93	3.87	3.73	4.21	7.00	6.14	8.61	8.73	6.97	65.44
1965-66	6.94	4.27	2.67	3.54	2.91	4.74	6.24	6.00	7.71	9.84	9.11	7.31	71.28
1966-67	6.57	3.12	3.05	3.43	4.11	4.04	4.39	6.75	6.37	9.00	9.44	6.72	66.99
1967-68	7.21	3.67	3.21	3.13	2.48	5.13	6.68	7.17	7.66	9.30	8.91	8.05	72.60
1968-69	5.42	4.99	3.27	2.52	1.92	4.48	6.52	6.00	5.96	8.87	10.82	7.58	68.35
1969-70	7.01	4.79	3.28	2.54	2.06	6.58	7.07	7.70	7.90	10.15	10.13	8.89	78.20
1970-71	6.02	4.78	2.60	2.62	4.00	5.16	5.88	6.51	7.03	9.38	10.14	7.98	72.30
1971-72	6.82	3.85	3.52	3.20	3.48	5.29	6.07	7.12	6.97	9.71	8.54	6.49	71.06
1972-73	4.88	3.20	4.04	2.62	1.47	3.01	5.35	5.76	7.66	8.32	7.76	5.71	59.78
1973-74	5.93	3.22	2.76	2.28	3.69	2.63	5.88	5.04	7.69	9.10	8.04	7.13	63.39
1974-75	4.92	4.08	3.96	3.44	2.29	3.40	4.08	6.21	6.43	8.17	8.23	5.93	81.14
1975-76	5.64	4.55	3.73	4.05	2.66	6.04	5.23	6.94	8.82	8.64	8.64	4.98	69.92
1976-77	5.70	4.79	4.08	5.93	4.26	5.32	5.97	5.14	7.01	9.79	7.68	6.95	72.62
1977-78	5.40	5.30	2.48	1.32	N.R.	5.52	4.31	8.80	9.38	10.48	9.33	8.43	INC.
1978-79	6.26	3.68	3.30	1.63	3.38	3.97	6.34	7.08	9.16	9.75	9.23	8.70	72.48
1979-80	5.87	4.42	3.91	2.84	3.74	4.59	6.09	5.92	8.24	10.52	9.50	6.63	72.27

* REFER TO BEGINNING OF SECTION FOR SYMBOL EXPLANATION

VAN NORMAN LAKE

Station No. 293

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	7.22	6.12	1.96	2.87	7.18	6.89	7.32	8.57	8.23	10.50	78.44
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	6.58	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	6.92	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
1972-73	5.31	5.16	6.26	5.53	3.00	3.44	7.04	6.28	8.79	8.80	8.16	6.32	74.09
1973-74	7.67	3.95	3.26	3.06	5.71	3.66	7.48	5.78	8.29	9.08	7.47	6.55	71.96
1974-75	5.39	5.88	5.67	6.26	4.86	3.85	3.49	6.17	6.62	8.05	7.40	7.18	70.82
1975-76	6.45	7.37	6.03	7.31	2.82	7.65	4.27	6.59	8.80	9.12	8.13	4.31	78.85
1976-77	7.61	7.25	7.75	8.87	6.77	6.27	6.09	4.53	6.57	10.30	7.43	6.67	86.11
1977-78	6.06	10.00	4.51	2.36	1.44	6.49	4.26	10.38	10.00	10.91	9.07	11.30	86.78
1978-79	7.68	5.67	6.79	4.31	4.81	3.60	7.68	7.68	9.84	9,62	9.04	10.72	87.44
1979-80	7.15	8.54	8.35	4.32	5.25	5.65	7.69	4.06	8.28	10.35	9.41	7.38	86.43

PINE CANYON

Station No. 321

24" Diameter Unscreened to 9 - 30 - 46 and screened thereafter

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	2.80	3.39	3.71	4.85	7.20	14.08	12.45	10.52	9.84	82.16
1935-36	7.50	3.94	2.62	2.64	2.22	5.14	6.28	8.88	10.48	11.55	11.66	9.40	82.31
1936-37	6.44A	4.72	2.54	1.36#	1.68	3.10	5.60	6.72	8.48	12.05	10.78	8.08	71.55#
1937-38	5.66	2.92	3.11	2.48	1.62	2.62	4.92	6.00	8.12	9.72	9.06	7.22	63.45
1938-39	4.53	3.78	2.56	1.71	2.52	3.56	5.04	6.71	9.36	10.28	9.72	6.45	66.22
1939-40	5.00	2.68	1.62	1.34	2.04	4.05	5.24	8.33	9.42	10.14	10.22	7.70	67.78
1940-41	4.70	2.40	2.10	1.19	1.22	2.91	2.92	6.68	7.74	10.06	9.54	7.55	59.01
1941-42	4.09	2.46	1.18	2.66#	2.65	5.00	5.06	8.30	11.77	14.08	11.98	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	86.96
1944-45	7.40	3.88	3.06	3.24	3.52	2.70	7.37	9.32	9.74	12.06	11.47	9.20	82.96
1945-46	6.01	3.96	3.03	3.80	3.52	4.70	6.28	7.32	11.82	12.31	12.22	9.86	84.83
1946-47	5.40	3.20	1.96	2.60	2.50	3.89	5.46	7.81	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	1.60	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**	8.71**	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**	2.92#	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	2.82#	3.12**	4.60**	3.85	6.52	8.04	10.68	10.65	6.90	70.92* *
1963-64	4.61	2.92	2.68	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**	10.68	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**	2.12**	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**	2.26**	3.43	5.75	6.00	7.34	8.15	11.08	9.20	6.55	75.59**
1972-73	4.27	2.99	2.48	1.82	1.85	2.69	4.75	6.80	8.50	9.55	8.85	7.82	62.37
1973-74	5.38	2.99	1.94	INC.#	3.22	3.00	5.80	7.08	9.58	9.33	9.95	8.60	INC.
1974-75	4.88	3.60	2.35	2.55	2.92	3.47	3.87	7.30	9.33	10.15	10.78	8.70	69.90
1975-76	5.69**	4.09**	3.24**	3.72	3.10	4.87	5.24**	7.98	9.78	9.85	9.36	5.70	72.62**
1976-77	4.83	3.76	3.02	1.57	2.60	3.52	5.30	4.96	8.72	11.08	8.72	6.95	65.03
1977-78	5.15	3.48	2.29	1.36	1.81	2.75	3.27	7.18	9.10	9.68	9.30	6.61	61.98
1978-79	5.13	2.21**	1.54	.81	.82	3.10	5.03	6.33	9.00	9.83	8.38	7.58	59.76

* REFER TO BEGINNING OF SECTION FOR SYMBOL EXPLANATION

COGSWELL DAM

Station No. 3348

24" Diameter Unscreened to 9 - 30 - 46 and screened thereafter

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	4.68	1.88	1.07	1.81	2.68	6.06	6.28	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	1.92	2.48	4.58	4.92	7.98	10.28	12.07	12.05	9.36	80.65
1940-41	7.39	4.16	2.23	1.59	1.42	3.20	3.91	6.96	8.01	11.56	9.96	8.86	69.25
1941-42	5.11	2.78	1.56	2.15	2.86	3.98	3.56	7.08	8.98	12.42	10.88	9.22	70.60
1942-43	6.36	3.56	2.50	2.65	2.08	2.63	4.22	7.50	7.88	10.75	10.62	9.32	70.07
1943-44	6.16	4.04	1.54	1.57**	1.46	4.08	4.45	6.24	6.44	9.95	10.40	7.90	64.23**
1944-45	5.78	2.23	1.93	1.86	2.08	2.27	5.27	6.62	7.02	10.66	9.65	7.88	63.25
1945-46	4.74	2.90	1.66	3.02	2.10	2.86	4.63	5.34	8.68	9.41	10.10	7.81	63.25
1946-47	3.50	1.48	1.22	2.20	1.60	2.48	3.88	5.62	6.29	9.22	8.13	6.89	52.51
1947-48	4.67	3.20	2.06	2.99	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	1.04#	1.36	2.82	4.90	5.50	8.13	10.13	9.94	10.02	65.46#
1949-50	6.08	4.60	2.31	1.31	2.30	3.74	4.46	5.96	8.10	9.90	10.65	7.32	66.73
1950-51	6.29	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	10.78	10.68	8.61	69.33**
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	5.80	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	6.28	9.78	11.05	10.58	9.43	75.61
1960-61	5.80	2.94	2.60	3.06	3.14	3.78	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	3.08**	3.88**	4.49	5.72	6.31	10.79	9.65	7.24	67.12**
1963-64	4.48	2.87	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	9.63	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	2.86	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	1.48	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	2.18	3.00	4.37	6.80	N.R	N.R	N.R	INC.	6.79	INC.
1972-73	4.24	2.45	1.89	1.60	1.62	2.62	5.68	6.64	8.68	10.55	9.40	6.82	62.19
1973-74	5.28	2.77	1.84	INC.	2.75	2.48**	4.82	5.76	8.67	9.82	9.95	8.60	INC.
1974-75	4.66	2.56	2.21**	1.95	2.00	3.32	2.94	6.51	7.37	9.78	9.18	6.74	59.22**
1975-76	4.43	3.05	1.94	2.14	1.82	2.99	3.38	5.97	7.78	9.00	8.20	4.48	55.18
1976-77	4.17	2.68	2.10	1.40	2.24	3.34	4.40	3.26	6.77	10.0	8.58	6.65	55.59
1977-78	4.68	3.04	1.84	1.21	1.61	2.19	2.54	5.66	7.91	9.26	8.73	5.91	54.58
1978-79	4.99	2.06	1.36	2.01	1.72	2.82	3.95	5.22	7.33	8.90	8.19	7.49	56.04
1979-80	4.27	2.31	2.08	1.87	2.01	2.33	3.76	3.11	5.91	9.29	8.54	6.56	52.04

SILVER LAKE RESERVOIR

Station No. 336

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	4.39	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	6.35	8.14	7.56	5.81	58.01
1959-60	4.68	3.98	2.91	2.18	2.89	3.66	6.00	6.66	6.43	8.17	7.48	6.58	61.62
1960-61	5.08	2.52	2.70	2.62	3.49	4.48	5.19	6.30	6.29	7.77	7.50	5.82	59.76
1961-62	4.98	3.40	1.81	3.23	2.06	3.21	5.82	6.02	5.52	7.42	7.43	5.94	56.84
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	4.88	5.84	5.72	7.82	7.12	5.64	57.68
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	5.86	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	2.63	2.33	2.54	2.08	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	3.42	3.02	2.02	2.50	5.58	6.27	6.62	6.70	8.76	8.56	6.84	65.79
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	3.28	2.31	2.81	4.70	6.11	6.45	6.97	8.89	8.41	6.29	65.60
1972-73	4.99	4.45	3.38	2.74	3.06	4.72	6.17	5.97	7.71	8.05	7.84	6.27	65.35
1973-74	6.17	3.68	2.57	3.03	3.76	3.36	6.62	6.24	7.74	9.09	8.26	7.09	67.61
1974-75	4.69	3.78	4.05	3.21	2.64	4.05	4.53	6.69	6.35	8.39	8.14	7.26	63.78
1975-76	5.26	3.98	2.98	3.58	4.77	5.81	5.26	6.42	8.32	8.53	8.11	4.97	67.99
1976-77	5.25	3.81	3.31	5.14	4.06	5.70	5.51	7.79	6.60	8.63	7.03	6.19	69.02
1977-78	4.56	4.39	2.12	1.64	N.R.	5.20	4.24	7.30	8.19	8.74	7.78	6.63	INC.
1978-79	4.90	2.83	2.51	1.89	2.23	3.52	5.99	6.45	7.69	8.34	7.68	6.96	60.99
1979-80	4.80	3.76	3.42	2.35	3.10	3.84	5.38	5.44	7.16	8.86	8.10	5.82	62.13

* REFER TO BEGINNING OF SECTION FOR SYMBOL EXPLANATION

BALDWIN PARK EXPERIMENTAL STATION

Station No. 347

24" Diameter Unscreened to 9 - 30 - 46 and screened thereafter

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	6.80	9.78	8.92	7.98	67.35
1934-35	4.25	2.65	2.19	1.77	2.71	3.09	4.39	6.38	8.52	10.19	9.64	7.34	63.12
1935-36	6.12	3.42	2.45	2.32	2.08	3.68	4.70	8.49	9.76	10.29	9.56	7.56	70.43
1936-37	5.11	4.04	1.96	1.41	2.06	3.84	5.82	6.04	8.32	10.17	10.21	8.21A	67.19
1937-38	5.09	2.98	2.33	2.50	1.95	3.38	4.70	6.74	7.32	8.98	8.86	7.42	62.25
1938-39	5.20	4.06	2.42	1.88	3.12	2 94**	4.61	6.50	8.57	9.06	8.46	7.14	63.96**
1939-40	4.66	2.92	2.30	1.12**	2.26**	3.46	4.52	6.59	7.04	9.21	8.37	7.01	59.46**
1940-41	5.05	2.83	2.02	1.41	1.47	2.96	3.52	7.04	6.66	8.50	7.30	6.40	55.16
1941-42	4.52	2.84	1.35	1.40	2.01	3.78	3.36	5.74	6.14	9.14	8.27	6.12	54.67
1942-43	4.82	2.90	2.06	1.76	2.00	2.38	3.87	6.56	7.44	8.93	8.38	7.08	58.18
1943-44	4.93	3.58	2.03	1.58	1.82	3.48	5.00	5.89	6.38	7.86	8.58	5.90	57.03
1944-45	3.54	2.14	1.76	1.73	1.69	2.55	4.61	5.57	5.06	7.75	6.45	6.43	49.28
1945-46	4.20	3.04	2.04	2.45	2.02	3.31	4.18	4.62	7.94	8.64	8.36	7.68	58.48
1946-47	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	4.35	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	5.18	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	4.68	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	51.16**
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	3.47	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	4.84	2.44	INC.	1.46	2.68	3.94	5.08	5.99	5.27	8.44	6.71	5.28	INC.
1972-73	3.10	2.11	1.74	1.52	1.46	2.10	4.44	4.52	6.98	7.74	7.05	4.40	47.16
1973-74	4.33	1.93	1.42	.98*	2.31	2.26	4.52	4.71	6.30	7.84	6.90	5.60	49.10**
1974-75	3.54	2.40	1.60	1.64	1.69	2.92	3.32	5.41	5.46	7.63	7.22	5.71	48.54
1975-76	3.89	2.68	1.88	2.28	2.13	3.52	4.02	5.11	6.76	6.73	6.68	3.89	49.57
1976-77	3.95	2.89	1.94	1.42	2.39	3.76	4.34	3.83	5.68	7.51	6.65	5.29	49.65
1977-78	3.64	2.71	1.54	1.05	1.61	2.39	3.02	5.56	7.15	7.75	6.94	5.47	48.83
1978-79	4.07	1.91	1.87	1.40	1.99	2.82	4.40	5.26	6.52	7.30	6.54	6.18	50.26
1979-80	3.66**	2.53	2.13	1.29**	2.04**	3.05	4.36	3.94	5.82	7.95	6.9	4.92	48.59

MORRIS DAM

Station No. 390B

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	59.96
1933-34	5.69	4.90	1.90**	2.80	2.17	4.45	5.33	7.32	5.72	8.72	8.08	7.04	64.12**
1934-35	4.52	2.76	1.96	1.62	2.60	2.59	3.46	4.50	6.58	8.12	7.94	6.34	52.99
1935-36	5.23	3.05	2.52	2.50	1.44	3.40	3.97	6.68	7.43	8.21	8.14	7.04	59.61
1936-37	4.82	4.27	2.06	1.00#	1.56	2.71	4.75	4.72	6.11	8.30	7.94	7.10	55.34#
1937-38	5.20	2.88	2.39	2.14	1.48	2.65	3.97	5.03	6.01	7.68	7.61	6.84	53.88
1938-39	4.49	3.92	2.12	1.75	2.20	2.46	4.10	5.26	7.32	8.16	8.06	6.22	56.06
1939-40	4.66	3.32	2.58	1.36	1.80	3.26	3.70	6.04	6.58	8.99	7.97	6.58	56.84
1940-41	5.46	3.32	2.08	1.42	1.13	2.63	2.90	5.51	5.71	7.80	6.49	5.66	50.11
1941-42	3.91	2.89	1.44	1.67	2.06	3.58	3.10	5.90	6.35	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	1.58	1.42	3.28	3.73	5.10	4.98	7.32	7.96	5.86	50.94
1944-45	4.18	2.03	1.93	1.79	1.66	2.17	4.32	5.60	4.54	7.30	7.26	6.05	48.83
1945-46	3.85	2.90	1.67	2.63	2.00	2.88	4.14	3.91	7.24	7.96	8.48	6.71	54.37
1946-47	3.88	2.04	1.56	2.17	1.92	2.64	4.42	5.22	5.99	9.52	7.93	6.94	54.23
1947-48	4.42	3.50	2.24	2.90	2.41	2.83	3.76	5.38	6.16	8.54	8.06	7.22	57.42
1948-49	4.26	3.86	1.86	1.76	1.54	2.66	4.48	5.04	7.27	8.28	8.40	7.74	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	3.64	3.82	6.20	6.26	8.82	8.38	6.92	58.64
1953-54	6.16	3.26	3.61	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	5.22	7.12	9.06	8.46	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	5.98	7.54	8.86	8.38	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	2.63**	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	3.64	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	5.18	5.52	7.32	9.36	8.62	6.70	61.40
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	3.49	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	3.64	5.28	6.20	6.74	9.38	9.40	8.15	64.69
1970-71	5.02	2.94	1.25	2.27	2.71	3.89	4.98	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
1972-73	4.30	2.81	2.30	2.16	1.68	2.32	5.28	6.02	8.15	9.26	8.29	5.86	58.43
1973-74	5.80	2.76	2.26	1.49	3.36	2.59	5.70	5.81	8.26	9.00	8.75	7.60	63.38
1974-75	4.39	NR	3.16	2.70	2.09	3.41	3.10	5.87	6.60	9.06	9.32	7.44	INC.
1975-76	5.11	4.30	3.19	3.90	2.56	4.42	4.51	6.41	8.88	8.74	8.75	4.82	65.59
1976-77	5.41	4.08	3.24	1.93	3.53	4.08	5.58	4.34	7.36	10.27	8.00	7.14	64.96
1977-78	5.75	4.33	2.03	1.22	1.64	2.56	3.56	7.37	8.98	10.26	8.88	6.83	63.41
1978-79	6.07	2.65	2.29	1.56	1.93	2.14	5.11	5.99	8.47	9.35	8.14	8.68	62.38
1979-80	4.91**	3.49	3.26**	1.96**	2.86**	3.13	5.12	3.98	7.61	10.51	9.08	7.68	63.59

* REFER TO BEGINNING OF SECTION FOR SYMBOL EXPLANATION

SAN GABRIEL DAM

Station No. 425B

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	4.88	5.90	8.24	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	1.98	1.78	3.08	5.08	5.68	7.81	9.06	9.58	8.97	66.32
1949-50	8.22	5.42	3.38	1.74	2.64	3.94	4.68	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	8.06	6.62	9.07	9.13	7.82	67.19
1951-52	6.51	3.84	1.96	1.64	2.96	2.60	3.54	6.72	6.94	9.62	9.48	8.74	64.53
1952-53	8.87	3.34**	1.96**	2.54**	4.24	4.12**	4.12	8.90**	8.79	9.28	9.04	7.63	88.83**
1953-54	6.78	4.00	4.22	2.20**	3.78**	3.00	4.27	5.30	8.21	8.78	7.82	8.78	85.14**
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	8.48	7.54	8.97	7.94	8.92	60.52
1958-59	6.78	4.62	4.48	3.12	2.25 **	5.44	5.30	5.38	7.38	9.00	9.04	6.74	89.53**
1959-60	6.80	5.82	4.18	2.52	2.90	4.06	8.18	7.03	8.33	10.49	9.30	9.34	76.93
1960-61	6.70	3.76	4.19	4.64	3.86	4.52	6.18	6.26	7.66	9.20	9.08	8.30	74.35
1961-62	7.64	4.76	2.58	3.48	1.96*	3.08	6.20	6.08	6.74	9.12	10.63	8.97	71.20**
1962-63	8.48	4.74	4.82	3.48	3.39**	4.37	4.88	5.32	5.28	9.45	9.39	8.52	89.68**
1963-64	5.48	3.80	4.90	4.08	5.32	5.17	4.94	5.91	8.96	10.30	9.18	8.20	74.20
1964-65	7.78	4.17	2.83**	3.00**	4.27	4.12	4.72**	8.48	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	75.45**
1966-67	7.28	4.17**	3.34	3.68	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	72.25
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**	3.28**	3.82	4.80	5.62	5.20	6.69	9.05	9.48	8.24	69.96**
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
1972-73	4.84	3.83	3.30	2.74	2.02	3.12	5.23	5.44	7.24	8.14	7.85	6.13	59.88
1973-74	6.59	3.56**	2.90	2.38*	3.81	2.94**	5.64	5.49	7.58	8.58	8.35	7.71	65.61**
1974-75	5.26	4.38	3.72**	3.43	2.70	3.72	3.38	5.54	6.36	8.35	9.10	7.52	63.46**
1975-76	5.93	4.98	4.05	5.34	3.71	4.49	4.53	5.91	8.37	8.09	8.90	5.20	69.50
1976-77	6.22	5.09	4.32	2.80	4.46	4.66	5.30	4.54	6.51	9.59	7.95	6.86	68.30
1977-78	6.80	5.16	3.27	2.44	2.28	3.21	3.56	6.77	8.18	9.38	8.52	7.66	67.01
1978-79	7.21	3.80	3.17	2.29	2.73	3.13	5.40	5.83	8.28	9.03	7.79	8.94	67.60
1979-80	5.65	4.32	4.07	2.35	3.40	3.74	4.42	4.18	7.02	9.60	8.28	6.67	63.70

SOUTH COAST BOTANIC GARDENS

Station No. 444F

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*	5.99	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	6.60	7.37	5.02	50.09**
1967-68	4.53	2.66	1.74	1.85	1.63	3.93	5.36	5.71	5.32	8.26	7.06	5.61	51.48
1968-69	3.55	2.60	1.69	1.30	1.49	3.21	4.77	4.70	4.22	8.11	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	.98	1.65	2.36	3.26	4.55	5.12	5.15	6.82	7.48	5.98	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.
1972-73	3.46	2.12	2.22	3.59	1.84	3.08	4.00*	4.30	5.32	5.40	5.05	4.22	45.20
1973-74	3.98**	2.16**	1.58	1.38*	1.92	2.10	4.37	4.02	5.15	8.00	8.50	6.40**	49.56**
1974-75	4.33	2.62	3.34	2.90	3.40	4.05	4.64	7.25	6.60	7.88	7.60	5.28	59.89
1975-76	3.35	2.44	1.34	3.05	1.60	3.46	3.50	5.42	7.00	5.68	8.73	3.10	46.67
1976-77	3.68	2.72	1.75	1.01	1.88	3.25	3.86	4.98	4.47	6.24	5.62	4.33	43.77
1977-78	3.14	2.50	1.35	.96	1.57	2.33	3.56	6.17	6.50	6.81	5.81	4.80	45.50
1978-79	3.72	2.27	1.72	5.16	1.70	3.00	4.39	5.21	5.87	6.36	5.60	5.22	50.21
1979-80	3.60	2.90	2.88	2.58	N.R.	N.R.	4.53	N.R.	5.29	7.01	6.15	4.70	INC.

* REFER TO BEGINNING OF SECTION FOR SYMBOL EXPLANATION

LOWER FRANKLIN RESERVOIR

Station No. 794

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	4.52	3.86	2.44	3.14	2.25	2.48	4.57	6.61	7.91	8.40	8.52	6.94	61.64
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	3.62	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	6.67	65.31
1962-63	4.92	4.20	3.41	3.38	3.32	5.06	5.23	5.02	5.50	8.40	8.27	7.21	63.92
1963-64	5.82	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	66.39
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	5.18	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
1972-73	5.37	4.70	4.44	6.15	3.62	3.89	6.04	5.69	7.52	7.83	8.24	6.09	69.58
1973-74	6.46	4.12	5.54	2.34	4.38	3.20	6.35	5.99	7.27	8.36	8.11	6.98	69.11
1974-75	4.90	5.18	4.94	4.58	3.90	3.97	4.18	5.90	5.61	7.58	7.58	7.23	65.55
1975-76	6.31	5.42	4.40	4.97	3.40	6.47	5.45	8.05	7.80	7.87	7.89	4.82	72.85
1976-77	5.98	5.43	4.60	6.69	4.85	5.94	5.56	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1977-78	5.61	6.21	3.29	2.08	N.R.	5.44	4.62	8.10	8.57	9.36	8.34	8.17	INC.
1978-79	6.29	3.96	3.50	1.74	3.52	3.41	6.91	7.14	8.40	9.00	8.11	8.35	70.33
1979-80	5.94	5.47	5.12	3.61	3.52	4.67	6.19	5.72	7.85	10.08	8.57	6.38	73.12

EAGLE ROCK RESERVOIR

Station No. 802B

48" Diameter N.W.S. 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	4.54	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	5.38	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	3.38	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	6.82	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	6.58	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
1972-73	4.72	4.10	3.83	3.53	4.08	4.24	6.05	5.94	7.83	7.59	7.68	5.41	65.00
1973-74	5.41	3.52	3.30	3.21	3.84	3.45	6.75	5.23	7.60	8.77	7.26	6.88	65.22
1974-75	4.37	4.15	4.02	3.84	7.20	6.42	3.88	6.16	5.22	7.43	8.14	7.58	68.41
1975-76	4.78	4.48	3.54	4.19	3.25	5.32	4.73	5.37	7.73	6.77	7.30	4.37	61.83
1976-77	5.22	4.95	3.83	6.08	4.13	4.67	5.43	3.87	6.52	8.17	6.44	5.86	65.17
1977-78	4.56	4.65	3.17	2.56	.92	5.58	3.78	6.41	8.06	8.25	8.88	6.92	63.74
1978-79	4.98	3.27	3.53	2.17	3.49	3.74	6.31	6.14	8.34	8.77	7.59	8.46	66.79
1979-80	4.83	4.67	4.63	4.20	4.30	5.17	5.99	4.66	7.67	9.69	8.04	5.91	69.76

* REFER TO BEGINNING OF SECTION FOR SYMBOL EXPLANATION

LA FRESA - S.C.
EDISON CO. SUBSTATION

Station No. 1008

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	5.94	4.26	42.83
1947-48	3.12	2.36	1.46	1.32	2.08	2.48	3.80	5.00	5.14	6.39**	5.89	4.66	43.70**
1948-49	3.12	2.83	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	39.79
1954-55	3.20	2.18	1.66	1.67	2.18	3.12	4.48	3.93	4.20	5.47	5.19	4.70	41.98
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	3.16	3.16	1.96	1.40	1.16	2.52	3.34	4.63	4.86	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	1.71	3.29	4.08	4.56	4.92	5.93	5.75	4.78	44.13
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	38.10**
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	3.98	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	2.68	2.02	1.77	3.46	4.88	5.02**	4.39*	6.80	6.75	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	2.50	2.05	1.60	1.92	2.98	4.52	5.52	5.20	6.88	7.10	5.84	50.46
1972-73	3.28	2.49	2.74	2.35	1.94	2.62	5.32	4.60	5.00	5.82	5.68	4.25	46.09
1973-74	3.73	2.15*	2.00*	1.60*	2.54	2.40	5.18	5.12	6.28	7.32	7.18	5.84	51.34**
1974-75	3.45	2.38	2.12	2.34	1.92	2.46	3.50	5.20	5.72	7.32	7.70	6.25	50.36
1975-76	4.71	2.63	2.43	2.32	2.97	3.62	3.46	5.70	5.15	6.18	5.86	4.10	49.13
1976-77	4.42	3.43	2.65	1.95	3.38	2.80	5.00	5.39	5.15	8.78	5.88	5.35	54.18
1977-78	3.88	3.44	1.84	1.62	1.99	2.92	4.32	7.03	7.40	7.54	6.92	5.98	54.89
1978-79	3.94	2.60	2.01	3.73	2.00	3.19	4.68	5.83	6.75	7.34	6.45	5.41	53.93
1979-80	3.86	2.92	2.23	2.28	3.50	3.69	5.07	4.92	6.86	6.79	7.66	5.33	55.11

RIO HONDO
SPREADING GROUNDS

Station No. 1014F

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	3.38*	6.56	5.31	7.24	6.08	4.34	45.82**
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	1.59	1.82	1.76	3.30	2.65	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	6.48	6.10	4.35	43.71
1957-58	2.88	1.85	1.80	1.84	1.28**	1.68	3.02	3.80	5.78	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	2.18**	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	3.10	2.30	1.94	2.28**	1.64*	2.98	3.12	3.58	4.60	6.63	6.10	5.39	43.66**
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	50.63**
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	44.68**
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	5.68	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
1972-73	4.25	2.59	3.13	2.58	2.14	2.97	5.40	5.20	6.38	7.20	6.52	4.38	52.74
1973-74	4.76	2.81	2.52	1.73*	3.52	2.50	5.42	5.30	6.68	8.22	7.00	5.68	56.14**
1974-75	4.28	3.64	2.38	2.89	2.12	3.36	3.66	5.58	5.35	7.28	7.02	5.40	52.96
1975-76	3.97	3.10	2.34	3.40	2.58	4.17	4.05	6.69	7.44	7.33	7.33	4.18	56.58
1976-77	4.77	3.98	3.64	1.98	3.36	4.41	5.52	5.08	6.50	8.29	7.30	6.04	60.87
1977-78	3.71*	4.81	2.48*	1.56	1.94	2.92	3.77	6.62	7.55	8.19	7.17	5.92	56.64**
1978-79	4.26	2.35	2.24	1.57	1.52	3.20	4.94	5.75	6.61	6.51	6.38	5.16	50.49
1979-80	3.41	3.31	3.03	1.89	2.04	3.36	5.54	5.57	7.58	8.70	9.02	5.91	59.36

* REFER TO BEGINNING OF SECTION FOR SYMBOL EXPLANATION

PALMDALE

Station No. 1058B

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	3.35	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
1972-73	3.76	3.06	2.50	2.17	2.13	3.64	4.90	6.42	9.40	13.20	10.42	8.75	70.35
1973-74	5.02	3.30	2.57	3.66	2.85	3.53	5.36	7.23	9.58	9.74	11.92*	8.70	71.48**
1974-75	4.95	3.40	2.62	2.42	2.68	3.88	4.90	8.72	11.65	11.88	12.28	9.22	78.60
1975-76	5.48	3.53	2.87	2.72	3.14	5.82	5.82	8.98	9.78	11.40	10.02	4.99	74.55
1976-77	4.65	2.65	2.36	1.28	2.62	4.12	6.36	5.82	8.67	10.0	8.27	6.33	63.13
1977-78	3.95	2.74	1.78	1.50	2.14	3.08	4.57	7.47	9.97	10.25	9.49	6.01	62.95
1978-79	4.42	2.55	1.54	1.19	1.44	3.03	5.41	7.69	9.15	10.21	7.85	5.95	60.43
1979-80	3.86	2.61	2.38	2.45	2.54	3.33	4.99	5.61	7.71	10.07	9.06	5.49	60.10

DESCANSO GARDENS

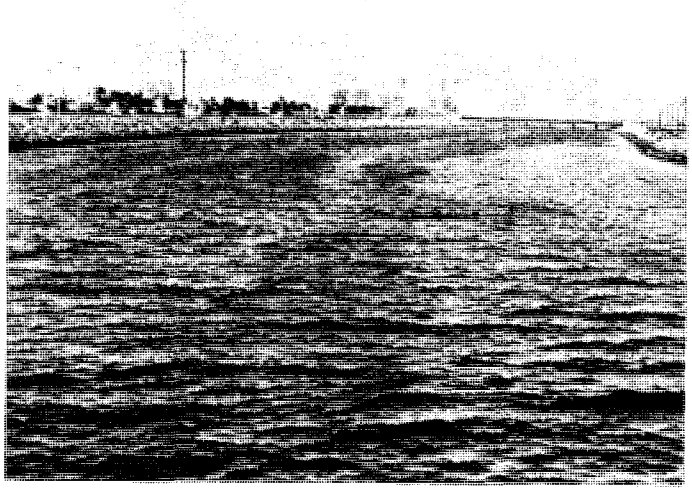
Station No. 1071B

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	3.46	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	2.78*	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**	8.83	3.49	3.57	3.54	7.03	7.42	5.93	55.98**
1963-64	3.96	2.77	2.96	2.76	3.69	3.89	3.73	4.79	5.04	7.75	6.62	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	4.89	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	4.28	3.39	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	56.75
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
1972-73	3.54	3.13	2.62	2.04	2.37	2.46	4.24	4.30	6.42	6.77	6.46	4.90	49.25
1973-74	5.02	2.92*	2.12	1.54**	3.12	2.20	4.82	4.06	6.06	7.20	6.46	6.42	51.94**
1974-75	3.82	2.83	2.92	2.90	2.28	3.23	3.20	4.76	4.80	6.62	7.53	6.28	51.17
1975-76	4.59	3.95	3.01	3.40	2.50	4.08	3.84	4.77	6.74	7.05	7.26	3.71	54.90
1976-77	4.44	4.06	3.42	1.79	3.31	3.78	4.61	3.60	5.18	7.46	6.10	5.28	53.03
1977-78	4.18	3.45	1.86	1.72	1.58	2.03	2.18	4.99	6.43	7.39	6.71	5.79	48.31
1978-79	4.56	2.51	1.95	1.25	1.54	1.76	3.94	4.14	5.67	6.78	6.49	6.66	47.25
1979-80	4.18	3.40	3.26	1.55	2.17	2.79	3.72	2.82	5.41	7.18	6.34	5.00	47.82

* REFER TO BEGINNING OF SECTION FOR SYMBOL EXPLANATION

RUNOFF



RUNOFF

The District operated or received data from 88 water-stage recording stations during the 1977-78; 1978-79; 1979-80 water years. Data from 56 of those stations are summarized and published in this volume.

RECORDS OF STREAMFLOW

Records published give the following information:

1. Station description which presents location, drainage area, type of channel, control, regulations, diversions, and available records.

2. Daily discharge tabulation which shows 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 streamflow data from other agencies and publishes, or has access to, the records for local stations. District hydrographers also make periodic streamflow measurements and observations at installations belonging to these organizations. Data from 25 of 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 Resources Division

United States Corps of Engineers

The Metropolitan Water District

San Gabriel River Water Committee


LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
ACTIVE
STREAMFLOW
STATIONS
LOCATION MAP
1977-78, 1978-79, 1979-80
REVISIONS
MARK
DATE
DESCRIPTION
LEGEND
ACTIVE STREAMFLOW STATIONS NOT PUBLISHED
STREAMFLOW STATIONS PUBLISHED IN THIS REPORT
SCALE
MILES
119°00'
118°50'
118°40'
118°30'
118°20'
118°10'
118°00'
117°50'
117°40'
34°50'
34°40'
34°30'
34°20'
34°10'
34°00'
33°50'
ANTELOPE VALLEY
MOJAVE DESERT
ROSAMOND LAKE
LIEBRE MOUNTAIN
SAWMILL MOUNTAIN
PORTAL RIDGE
SIERRA PELONA
SAN GABRIEL MOUNTAINS
SANTA SUSANA MOUNTAINS
SANTA MONICA MOUNTAINS
VERDUGO MOUNTAINS
SAN RAFAEL HILLS
BALDWIN HILLS
DOMINGUEZ HILLS
PALOS VERDES HILLS
SAN JOSE HILLS
PUENTE HILLS
PACIFIC OCEAN
SAN PEDRO BAY
Neenach
Fairmont
Lancaster
Del Sur
Palmdale
Little Rock
Castaic
Saugus
Newhall
Acton
San Fernando
Van Nuys
Burbank
Glendale
PASADENA
Arcadia
Monrovia
Azusa
Glendora
Covina
Baldwin Park
El Monte
Alhambra
Montebello
Whittier
Pomona
Claremont
La Verne
HOLLYWOOD
Beverly Hills
LOS ANGELES
Santa Monica
Culver City
Inglewood
El Segundo
Manhattan Beach
Redondo Beach
Torrance
LONG BEACH
BOUQUET RESERVOIR
PALMDALE RESERVOIR
LITTLE ROCK RESERVOIR
PACOIMA DAM
SAN FERNANDO RESERVOIR
HANSEN DAM
BIG TUJUNGA DAM
SEPULVEDA DAM
CHATSWORTH RESERVOIR
DEVILS GATE DAM
COGSWELL DAM
SAN GABRIEL DAM
SANTA FE DAM
WHITTIER NARROWS DAM
SAN DIMAS DAM
BIG DALTON DAM
PUDDINGSTONE DAM
PUDDINGSTONE DIVERSION DAM
LIVE OAK DAM
THOMPSON CREEK DAM
SAN ANTONIO DAM
EATON WASH DAM
SIERRA MADRE DAM
SANTA ANITA DAM
SAWPIT DAM
MORRIS DAM
F108-R
F92-R
F135-R
F377-R
F328-R
F93B-R
F375-R
F125-R
L1-R
F122-R
U14-R
F118B-R
F213-R
F168-R
F28-R
F350-R
E20C-R
F342-R
F305-R
F251-R
F209-R
P3-R
P4B-R
F250-R
E220-R
F339-R
F277-R
F271-R
F119C-R
U5-R
F278-R
U7-R
U8-R
F120B-R
S100A-R
F303-R
F202-R
F216-R
F32B-R
F276-R
F356-R
M382-R
F267B-R
F260C-R
F329-R
F190-R
F280-R
E281-R
F193B-R
F317-R
F194B-R
F192B-R
M335-R
F274B-R
F304-R
F40-R
E5C-R
F300-R
E285-R
F252-R
F57C-R
F318-R
F82C-R
F81D-R
E326-R
M340-R
E322-R
F261C-R
F312-R
F64-R
F83-R
F313-R
E327-R
F263C-R
F181-R
F130-R
F54B-R
F53-R
F301-R
F38C-R
F34D-R
F45B-R
F262B-R
F37B-R
F378-R
F265-R
F319-R
F42B-R
F354-R
F279C-R

PLATE C1

LEGEND

Stations are designated by letters and numbers which indicate ownership, operation agency, and type of station. The letters used have the following connotations:

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

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

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

Prefix U - indicates station 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 station 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.

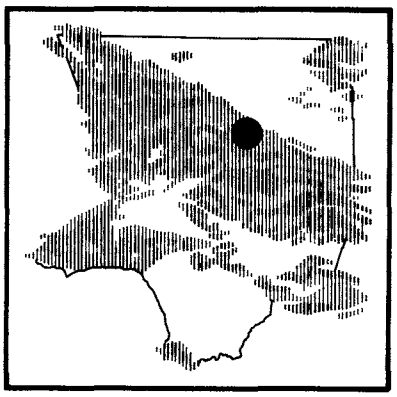
" E " - Other types of estimates.

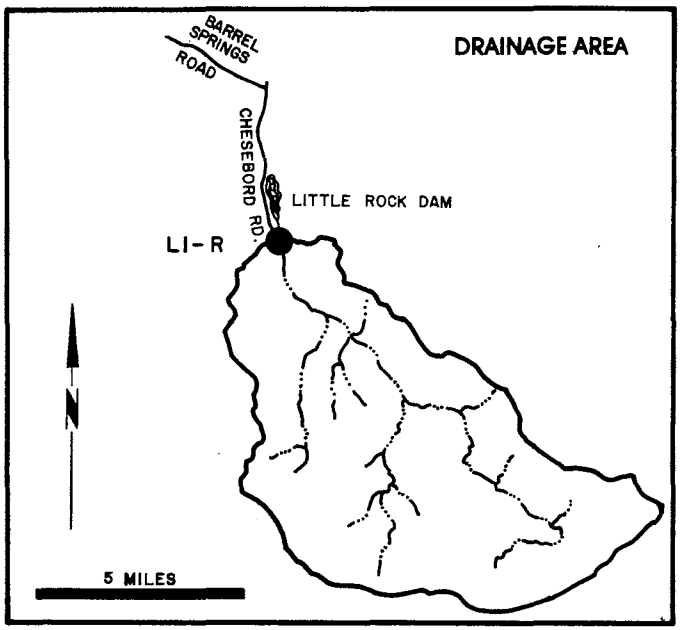
" F " - Gage height record partly estimated. (Estimated part represents less than 75 percent of the flow; otherwised, A, B, C, or D is used.)

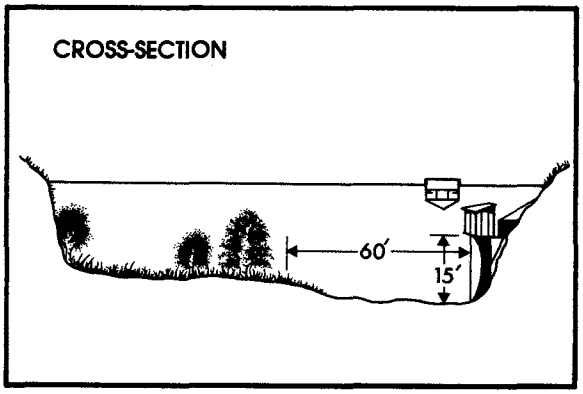
" V " - Gage height - discharge relation failed due to extreme and undetermined shift or unusual drawdown in stilling well.

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

LITTLE ROCK CREEK
above Little Rock Dam
STATION NO. L1-R







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.

STATION NO. L1-R

DAILY DISCHARGE in second-feet of LITTLE ROCK CREEK ABOVE LITTLE ROCK DAM FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	+	+	0.9	21	25.8	1,610	492	96.6	32	9.5	3.6	0.8
2	+	+	0.9	17	25.8	1,430	344	89.4	40	8.7	3.4	0.8
3	0	0	0.9	15	25.1	778	256	94.2	45.8	8.4	3.2	0.7
4	0	0	0.9	34	24.3	1,710	214	99	45.8	8.0	2.9	0.7
5	0	0	0.9	52	32	1,770	164	99	44.6	7.7	2.7	1.2
6	0	0	0.9	40	40	1,180	153	89.4	45.8	7.4	2.7	22
7	0	0	0.9	38	50.6	789	156	79.4	28	7.0	2.5	15
8	0	0	0.9	30	63.5	565	132	75.6	20.5	7.0	2.5	4.2
9	0	0	0.9	41	1,130	419	121	71.8	14.5	7.0	2.3	3.2
10	0	0	0.9	140	1,520	328	137	69.9	11.7	6.7	2.1	2.7
11	0	0	0.9	81	435	249	134	65	14	6.7	2.0	2.5
12	0	0	0.9	56	298	201	134	66.5	16.9	6.4	2.0	2.5
13	0	0	0.9	43	367	150	132	69.9	16.9	6.1	2.0	2.5
14	0	0	0.9	101	399	137	121	66.5	16.4	6.1	2.0	2.5
15	0	0	1.0	684	440	132	178	54.5	16.4	6.1	1.8	2.7
16	0	0	1.0	262	483	121	226	48.2	18.6	5.7	1.8	2.9
17	0	+	0.9	269	470	116	167	39	20.5	5.2	1.8	2.7
18	0	0.1	1.3	145	506	114	156	33	17.4	4.9	1.8	2.5
19	0	0.1	3.9	101	537	106	142	28.8	14.5	4.6	1.6	2.5
20	0	0.2	2.5	72	560	101	134	24.3	14.5	4.2	1.8	2.3
21	0	0.3	2.0	59	532	129	127	28	13.5	4.2	1.6	2.5
22	0	0.5	2.0	51	506	270	116	49.4	12.5	3.9	1.0	2.5
23	0	0.7	1.8	48.2	419	175	111	47	11.7	3.6	0.9	2.5
24	0	0.7	1.6	39	328	134	109	44.6	11	3.4	0.9	2.5
25	0	0.7	1.8	34	170	119	114	41	10.2	3.6	0.8	2.3
26	0	0.7	21	30.3	56	114	127	39	9.8	3.6	0.9	2.1
27	0	0.7	53	28.8	21.7	119	111	44.6	10.2	3.6	1.0	2.0
28	0	0.7	436	28.8	452	106	111	37	10.2	3.4	1.4	1.8
29	0	0.7	124	28		106	114	32	10.2	3.2	1.2	1.6
30	0	0.8	46	27.3		137	109	31	9.8	3.6	1.0	1.6
31	0		30	26.6		931		31		3.9	0.8	
MEAN	0	0.2	23.9	85.3	354	463	161	57.6	20.1	5.6	1.9	3.3
	+	14	1,470	5,240	19,670	28,450	9,600	3,540	1,200	344	115	195

YEAR OR PERIOD MEAN 98
ACRE-FEET 69,840

STATION NO. L1-R

DAILY DISCHARGE in second-feet of LITTLE ROCK CREEK ABOVE LITTLE ROCK DAM — FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.2	2.9	A 2.9	4.9	21.7	43.4	119	A 65.5	V 25.2	V 5.2	V 0.7	V 0.7
2	1.2	2.9	A 6.0	6.1	21.1	40	111	A 63.8	V 24.2	V 4.9	V 0.7	V 0.7
3	0.9	2.9	A 5.9	6.4	20.5	39	106	A 62.1	V 23.3	V 4.7	V 0.7	V 0.7
4	1.0	2.7	A 5.8	4.6	19.9	40	104	A 60.4	V 22.4	V 4.5	V 0.7	V 0.7
5	1.2	A 2.7	A 5.7	12.9	19.9	43.4	116	A 58.7	V 21.5	V 4.3	V 0.7	V 0.7
6	1.2	A 2.6	A 5.6	18.6	20.5	54.5	124	A 57	V 20.5	V 4.0	V 0.6	V 0.6
7	1.2	A 2.5	A 5.5	17.4	21.7	79.4	119	A 55.3	V 19.6	V 3.8	V 0.6	V 0.6
8	1.0	A 2.4	A 5.4	16.9	22.4	85.1	109	A 53.6	V 18.7	V 3.6	V 0.6	V 0.6
9	1.0	A 2.3	A 5.3	18	25.1	91.8	114	V 51.9	V 17.8	V 3.4	V 0.6	V 0.6
10	1.0	A 2.2	A 5.2	18.6	28	83.2	101	V 50.4	V 16.8	V 3.1	V 0.6	V 0.6
11	1.0	A 2.2	A 5.1	19.3	30.3	83.2	91.8	V 49	V 15.9	V 2.9	V 0.6	V 0.6
12	1.0	A 5.0	4.9	33	32	77.5	91.8	V 47.7	V 15	V 2.7	V 0.6	V 0.6
13	1.0	A 4.0	4.9	28	35	83.2	106	V 46.4	V 14.1	V 2.6	V 0.6	V 0.6
14	1.2	A 4.0	4.9	23.6	139	75.6	114	V 45	V 13.1	V 2.5	V 0.5	V 0.5
15	1.4	A 3.8	4.9	26.6	89.4	69.9	121	V 43.7	V 12.2	V 2.4	V 0.5	V 0.5
16	1.6	A 3.5	4.6	31	66.5	62	121	V 42.4	V 11.3	V 2.3	V 0.5	V 0.5
17	1.8	A 3.0	5.2	34	56	59	109	V 41	V 10.4	V 2.2	V 0.5	V 0.5
18	2.0	A 3.0	53.4	28	50.6	51.8	87	V 39.7	V 9.4	V 2.1	V 0.5	V 0.5
19	2.0	A 3.0	21.1	25.1	48.2	50.6	81.3	V 38.4	V 8.5	V 2.0	V 0.5	V 0.5
20	2.1	A 2.9	15	22.4	45.8	49.4	79.4	V 37	V 7.6	V 1.9	V 0.5	V 0.5
21	2.7	A 2.9	6.7	21.7	63.5	45.8	79.4	V 35.7	V 7.4	V 1.8	V 0.5	V 0.5
22	2.7	A 5.0	6.1	21.1	50.6	45.8	79.4	V 34.4	V 7.2	V 1.7	V 0.5	V 0.5
23	2.3	A 4.5	7.0	20.5	47	47	79.4	V 33.5	V 6.9	V 1.6	V 0.5	V 0.5
24	2.1	A 4.0	8.7	20.5	43.4	49.4	77.5	V 32.6	V 6.7	V 1.5	V 0.5	V 0.5
25	2.1	A 3.5	11.4	20.5	41	51.8	A 75.7	V 31.6	V 6.5	V 1.4	V 0.5	V 0.5
26	2.3	A 3.0	10.2	19.9	41	56	A 74	V 30.7	V 6.3	V 1.3	V 0.5	V 0.5
27	2.3	A 2.9	9.8	19.3	41	196	A 72.3	V 29.8	V 6.0	V 1.2	V 0.5	V 0.5
28	2.1	A 2.9	9.1	19.9	40	249	A 70.6	V 28.9	V 5.8	V 1.1	V 0.5	V 0.5
29	2.1	A 2.9	3.0	19.3		159	A 68.9	V 27.9	V 5.6	V 1.0	V 0.5	V 0.5
30	2.1	A 2.9	6.7	19.3		134	A 67.2	V 27	V 5.4	V 0.9	V 0.5	V 0.5
31	2.5		5.4	19.3		127		V 26.1		V 0.8	V 0.5	
MEAN	1.7	3.2	8.6	19.9	42.2	78.2	95.7	43.5	13	2.6	0.6	0.6
	100	188	528	1,220	2,340	4,810	5,690	2,670	776	157	33.3	33.3

YEAR OR PERIOD — MEAN 25.8 — ACRE-FEET 18,550

STATION NO. L1-R

DAILY DISCHARGE in second-feet of LITTLE ROCK CREEK ABOVE LITTLE ROCK DAM — FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	V 0.5	V 1.4	2.1	4.9	71.8	66.5	B 67.6	B 44.4	20.5	7.7	B 1.5	0
2	V 0.5	V 1.5	2.0	4.6	60.5	148	B 66.8	B 43.6	19.9	7.4	B 1.3	0
3	V 0.5	V 1.5	2.1	4.4	41	55.4	B 66	B 42.9	19.3	7.0	B 1.2	0
4	V 0.5	V 1.6	2.1	4.4	33	252	B 65.3	B 42.1	18	6.7	1.1	0
5	V 0.5	V 1.7	2.0	4.2	28	228	B 64.5	B 41.3	17.4	6.4	1.0	0
6	V 0.5	V 1.8	1.8	3.9	25.8	287	B 63.7	B 40.6	16.4	6.4	0.9	0
7	V 0.5	V 1.9	1.8	4.2	23.6	253	B 62.9	B 39.8	15.9	6.1	0.8	0
8	V 0.6	V 2.0	2.0	4.6	23	178	B 62.2	B 39	15.4	5.7	0.7	0
9	V 0.6	V 2.0	2.1	10.6	23.6	148	B 61.4	B 38.2	15	5.7	0.6	0
10	V 0.6	V 1.9	2.1	13.5	23.6	132	B 60.6	B 37.5	14.5	5.4	0.5	0
11	V 0.6	V 1.9	2.0	34.9	22.4	101	B 59.8	B 36.7	14	5.2	0.5	0
12	V 0.6	V 1.9	1.4	23	21.1	96.6	B 59.1	B 35.9	13.5	4.9	0.4	0
13	V 0.7	V 1.9	1.2	18.6	59.4	89.4	B 58.3	B 35.2	13.5	4.6	0.3	0
14	V 0.7	2.0	1.4	19.3	668	85.1	B 57.5	B 34.4	13	4.4	0.2	0
15	V 0.7	2.0	1.6	20.5	628	79.4	B 56.8	B 33.6	12.5	4.2	0.1	0
16	V 0.7	1.8	2.1	15.9	1,292	77.5	B 56	B 32.8	12.5	B 4.0	0.1	0
17	V 0.8	2.0	2.3	14	1,011	75.6	B 55.2	B 32.1	12.1	B 3.9	+	0
18	V 0.8	2.0	2.1	12.1	657	81.3	B 54.4	B 31.3	11.7	B 3.7	+	0
19	V 0.8	2.0	2.1	11	1,705	79.4	B 53.7	B 30.5	11.4	B 3.6	+	0
20	V 0.8	2.0	2.0	10.2	603	B 78.4	B 52.9	B 29.7	11	B 3.4	+	0
21	V 0.9	1.8	2.5	9.5	382	B 77.3	B 52.1	B 29	10.6	B 3.2	+	0
22	V 0.9	2.0	2.7	8.7	226	B 76.3	B 51.4	B 28.2	10.2	B 3.1	+	0
23	V 1.0	2.1	2.9	8.4	159	B 75.2	B 50.6	B 27.4	9.8	B 2.9	+	0
24	V 1.0	2.3	2.9	8.0	124	B 74.2	B 49.8	B 26.7	9.5	B 2.8	0	0
25	V 1.1	2.3	3.6	7.7	111	B 73.2	B 49	B 25.9	9.5	B 2.6	0	0
26	1.1	2.3	5.7	7.4	134	B 72.2	B 48.3	B 25.1	9.5	B 2.4	0	B +
27	V 1.2	2.3	5.2	7.4	121	B 71.4	B 47.5	B 24.3	9.1	B 2.3	0	B 0.1
28	V 1.2	2.3	4.9	7.7	99	B 70.7	B 46.7	B 23.6	8.7	B 2.1	0	B 0.1
29	V 1.3	2.3	4.4	577	77.5	B 69.9	B 46	23	8.4	B 2.0	0	B 0.2
30	V 1.3	2.3	4.4	189		B 69.1	B 45.2	22.4	8.0	B 1.8	0	B 0.2
31	V 1.4		4.6	99		B 68.3		21.1		B 1.6	0	
MEAN	0.8	2.0	2.6	37.7	291	109	56.4	32.8	13	4.3	0.4	0
	49.4	117	163	2,320	16,770	6,720	3,360	2,020	775	264	22.2	1.2

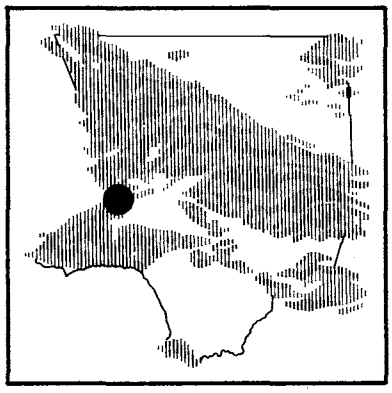
YEAR OR PERIOD — MEAN 45.8 — ACRE-FEET 32,580

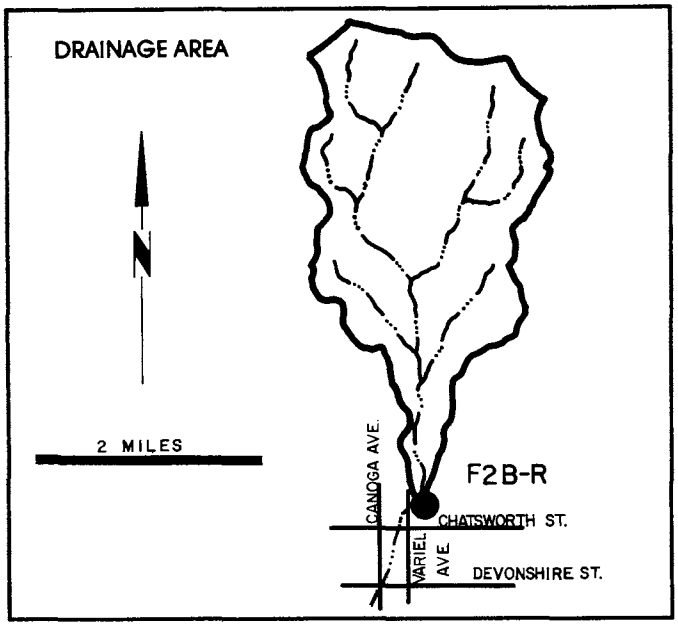
STA. NO. L1-R
LITTLE ROCK CREEK ABOVE LITTLE ROCK DAM

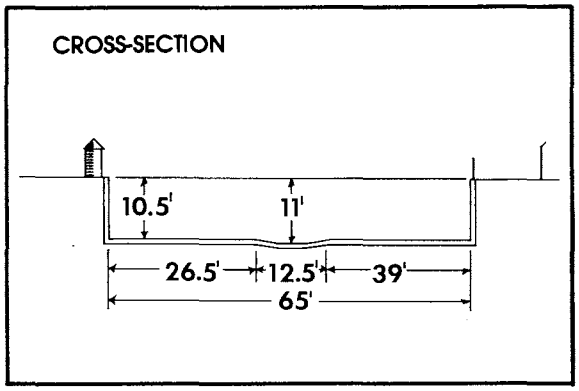
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK MON	PEAK DAY	PEAK FLOW CFS
1930-31	195	0	5.0	3610	4	26	430
1931-32	830	0	*	16730*	2	8	2200
1932-33	56	0	5.8	4180	3	8	66
1933-34	455	0	5.2	3770			N.D.
1934-35	716	0	24.4	17640	2	5	925
1935-36	127	0	4.6	3320	2	23	261
1936-37	679	0	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	2730E	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
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	163	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	264	+	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
1972-73	556	0	16.1	11680	2	11	1880
1973-74	70	0	10.4	7540	3	2	87
1974-75	124	0	7.8	5640	3	8	230
1975-76	270	0	7.6	5530	2	8	643
1976-77	74	0	7.3	5296	5	8	181
1977-78	*	*	*	*			*
1978-79	249	0.5	25.6	18562	3	27	367
1979-80	1705	0	45.8	32580	2	19	3998

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

BROWNS CREEK
at Variel Avenue
STATION NO. F2B-R







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 and October 2, 1935, to October 31, 1939. at Station F2B-R, October 12, 1961, to date.

STATION NO. F2B-R

DAILY DISCHARGE in second-feet of BROWNS CREEK AT VARIEL AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	A 0	0	+	1.0	232	B 6.3	1.9	2.3	1.9	0.6	0.8
2	0	A 0	0	+	1.0	125	B 5.2	1.9	2.3	1.6	0.6	0.8
3	+	A 0	0	0.2	0.8	B 22	B 5.2	1.9	2.6	1.9	0.3	0.8
4	0	A 0	0	3.0	0.8	614	B 9.2	1.9	2.3	1.9	0.3	0.6
5	0	A 0	+	1.0	1.9	118	B 6.3	1.9	2.3	1.9	0.3	2.3
6	0	A 0	0	1.6	1.2	B 25	B 7.5	1.6	2.3	2.3	0.3	4.0
7	0	A 0	0	0.8	5.2	B 21	B 7.5	1.6	2.3	1.9	0.3	1.2
8	0	A 0	0	0.6	7.2	B 16.5	B 5.8	1.6	2.3	1.6	0.4	0.8
9	0	A 0	0	4.9	236	14.2	B 5.8	1.6	2.3	1.6	0.6	0.6
10	0	A 0	0	42	219	11.8	5.2	1.6	2.3	1.6	0.8	0.6
11	0	A 0	0	1.6	B 28.5	10.3	5.2	1.6	2.3	1.9	0.8	0.6
12	0	A 0	+	1.0	B 73	9.7	5.2	1.2	2.6	2.3	0.6	0.6
13	0	A 0	0	1.0	B 29.6	9.2	5.2	1.2	1.9	2.3	0.6	0.6
14	0	A 0	0	18.2	B 29.2	8.0	5.2	1.2	1.2	1.2	0.6	0.8
15	0	A 0	0	25.2	B 10	6.9	11.6	1.2	1.9	1.0	0.6	0.8
16	0	A 0	0	42.7	B 4.6	6.3	B 5.8	1.2	1.9	1.0	0.8	0.6
17	0	A 0	+	11.1	B 4.3	5.2	B 4.6	1.6	1.6	1.0	0.6	0.6
18	0	A 0	+	2.3	B 4.0	4.3	4.3	2.3	1.6	1.0	0.6	0.6
19	0	A 0	+	1.9	B 3.6	4.0	4.3	3.3	1.6	1.6	0.6	0.2
20	0	A 0	0	1.6	B 3.3	3.6	4.3	2.9	1.6	1.6	0.4	0.1
21	0	+	+	1.2	B 2.9	B 12.6	4.0	2.6	1.6	1.2	0.4	0.1
22	0	0	0	1.2	B 2.6	17.2	4.0	3.3	1.6	1.0	0.4	0.1
23	0	0	0	1.0	2.6	5.8	4.0	2.6	1.6	0.6	0.6	0.1
24	+	0	0	1.0	2.6	5.8	3.6	2.3	1.2	0.6	0.6	0.1
25	0	0	+	1.0	2.6	5.2	3.6	2.3	1.6	0.4	0.6	0.1
26	0	0	0.3	1.0	2.9	4.6	3.3	1.9	1.6	0.6	0.6	0.1
27	0	0	0.4	1.0	2.9	4.6	2.9	1.9	1.9	0.6	0.6	0.1
28	0	+	1.9	1.0	46.9	4.6	2.9	1.6	2.6	0.8	0.6	0.1
29	0	+	0.1	1.0		5.2	2.6	2.9	2.3	0.6	0.6	0.1
30	0	0	+	1.0		6.9	2.3	2.3	1.9	0.6	0.6	0.1
31	+		+	1.0		9.2		2.3		0.8	0.6	
MEAN	0	0	0.1	5.6	26.1	43.5	5.1	2.0	2.0	1.3	0.5	0.6
	+	+	5.4	341	1,450	2,680	303	121	118	81.1	32.4	36.4

YEAR OR PERIOD

MEAN 7.2

ACRE-FEET 5,170

STATION NO. F28-R

DAILY DISCHARGE in second-feet of BROWNS CREEK AT VARIEL AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.2	1.2	1.0	1.0	23.3	6.3	2.2	0.8	3.6	0.8	0.7	0.1
2	1.6	1.2	1.0	0.7	19.5	5.2	1.5	1.5	1.9	1.0	0.7	+
3	1.2	1.2	1.2	0.8	19.1	3.9	1.2	3.2	1.9	1.2	0.7	+
4	1.2	1.2	1.2	1.0	4.6	3.2	1.2	3.2	1.9	1.1	0.8	+
5	1.2	1.2	1.1	21.3	2.6	2.6	1.1	5.2	1.9	1.0	0.7	0.3
6	1.0	1.0	1.0	3.2	1.9	1.9	1.0	9.2	1.9	1.0	0.7	0
7	1.0	1.0	1.0	1.2	14.7	1.5	1.0	9.2	2.2	1.0	0.7	+
8	1.0	1.0	1.0	1.1	18.1	1.2	1.0	8.6	1.5	1.0	0.7	+
9	0.8	1.2	1.0	1.5	6.3	1.2	1.0	7.4	1.1	0.8	0.7	0
10	0.8	1.6	1.0	3.8	3.2	1.1	0.8	6.9	1.0	0.8	0.7	+
11	0.6	2.6	1.0	5.0	1.9	1.1	0.8	6.3	1.0	0.8	0.7	+
12	0.8	2.3	1.0	1.1	1.2	1.1	1.0	5.7	1.0	0.8	0.7	+
13	0.6	3.9	0.8	1.0	1.1	1.2	1.1	5.2	0.8	1.0	0.7	0
14	0.6	2.6	1.0	1.2	3.9	1.2	1.1	5.2	0.8	1.0	0.8	0
15	0.8	1.9	1.1	17.6	2.6	1.2	1.1	5.7	0.8	0.8	0.8	+
16	0.8	1.9	1.1	28.3	1.9	1.2	1.1	6.3	1.0	0.8	0.8	0
17	1.2	1.9	2.6	13.1	1.5	19.7	1.1	6.3	1.1	0.8	0.8	0
18	1.6	1.6	3.6	16.7	1.2	12.6	1.0	6.9	1.1	0.8	0.8	+
19	1.2	1.6	2.9	4.3	1.2	10.3	1.0	6.9	1.1	0.8	1.0	0
20	1.6	1.9	1.2	1.9	1.2	8.0	1.0	8.0	1.1	0.8	1.0	+
21	1.6	4.4	1.2	1.2	29.1	5.7	1.0	7.4	1.1	0.8	1.0	+
22	1.2	5.1	1.2	1.2	22.9	3.9	0.8	6.9	1.1	0.8	0.8	+
23	1.0	2.9	1.2	1.1	19	2.9	0.8	6.3	1.1	0.8	0.8	0
24	1.0	1.9	1.2	4.2	14.9	1.9	0.8	6.3	1.1	0.8	0.8	+
25	1.2	1.9	1.2	14.8	11.1	1.5	0.8	6.3	1.1	0.8	0.8	+
26	1.2	1.9	1.2	2.9	8.6	1.2	0.7	5.7	1.0	0.8	0.7	+
27	1.2	1.9	1.2	1.2	6.3	48.6	0.8	6.9	1.0	0.8	0.7	+
28	1.2	1.6	1.2	1.1	4.6	34.6	0.8	7.4	0.8	0.8	0.8	+
29	1.2	1.9	1.2	1.0		13.4	0.7	6.9	0.8	0.7	1.5	+
30	1.6	1.9	1.1	6.9		5.2	0.8	6.9	0.8	0.7	0.8	+
31	1.6		1.1	30.7		2.9		6.3		0.7	0.8	
MEAN	1.1	2.0	1.3	6.2	8.8	6.7	1.0	6.2	1.3	0.9	0.8	0
	69.5	119	78.9	381	491	412	60.1	379	76.6	52.8	49	0.8

YEAR OR PERIOD MEAN 3.0
ACRE-FEET 2,170

STATION NO. F28-R

DAILY DISCHARGE in second-feet of BROWNS CREEK AT VARIEL AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	+	0.1	0.6	1.2	11.8	5.7	2.2	1.2	2.9	3.9	0.3	0.4
2	+	0.1	0.8	1.2	9.7	30.3	2.2	1.0	2.9	3.9	0.3	0.4
3	+	0.1	0.8	1.2	8.0	30.7	2.2	1.0	2.9	3.6	0.3	0.4
4	0.4	0.2	0.6	1.2	6.9	18	2.2	1.0	2.6	3.2	0.4	0.8
5	0.2	0.2	0.6	1.2	5.7	25.4	2.2	1.2	2.2	2.9	0.4	0.4
6	+	0.1	0.6	1.2	4.6	35.5	2.2	1.5	2.6	2.9	0.3	0.2
7	0	0.3	0.6	1.2	4.3	28.2	2.2	1.9	2.2	2.6	0.3	0.4
8	+	0.6	0.6	1.5	3.6	19	2.2	1.9	2.2	2.6	0.2	0.6
9	+	0.3	0.8	6.1	2.9	14.9	2.9	1.9	2.6	2.9	0.2	0.6
10	+	0.2	1.0	2.6	2.6	11.8	2.9	1.9	2.6	2.9	0.2	0.8
11	+	0.2	1.0	10.3	2.6	10.3	2.6	1.9	2.6	2.9	0.2	0.8
12	+	0.1	0.8	3.2	2.2	8.0	2.6	1.9	2.9	2.9	0.2	0.8
13	+	0.1	0.8	2.9	B 5.0	6.3	2.6	1.9	2.9	3.2	0.2	0.6
14	0	0.1	0.8	3.6	B 43	5.2	2.9	2.2	2.9	3.6	0.3	0.6
15	+	0.1	0.8	2.9	B 48	4.6	2.9	2.2	3.2	3.6	0.4	0.6
16	+	0.1	0.8	2.6	B 300	3.9	2.9	2.2	3.2	3.6	0.3	0.6
17	+	0.2	0.8	2.6	B 85	3.6	3.2	2.2	4.3	3.2	0.4	0.6
18	0.1	0.2	0.8	2.6	B 65	3.6	3.2	2.6	4.6	2.9	0.6	0.6
19	0.2	0.1	1.0	2.2	B 45	3.6	3.6	2.6	4.3	2.6	0.6	0.6
20	0.6	0.1	1.0	2.2	B 48	3.6	4.6	2.6	4.3	2.2	0.6	0.4
21	0.1	0.1	1.5	1.9	9.2	3.2	4.6	2.6	4.6	1.9	0.6	0.4
22	0.1	0.1	1.2	2.2	7.4	3.6	5.7	2.2	4.6	1.2	0.6	0.4
23	0.1	0.2	1.2	2.6	5.7	4.3	3.9	2.6	5.2	1.0	0.6	0.4
24	0.1	0.1	2.9	1.9	3.9	3.9	3.2	2.2	5.2	0.8	0.4	0.3
25	0.1	0.1	2.2	1.5	2.2	3.9	3.2	2.2	5.2	0.6	0.4	0.3
26	0.1	0.2	1.2	1.9	B 7.8	4.3	3.2	1.9	5.2	0.4	0.4	0.3
27	0.1	0.2	1.2	1.9	8.0	3.6	3.2	2.2	5.2	0.3	1.2	0.3
28	0.1	0.1	1.2	26.2	6.9	2.9	2.9	2.6	6.3	0.3	1.5	0.3
29	+	0.1	1.2	31	6.3	2.6	2.6	2.6	6.3	0.2	0.8	0.2
30	+	0.1	1.2	21.9		2.6	2.6	2.9	5.2	0.2	0.3	0.2
31	0.1		1.2	14.9		2.6		2.9		0.2	0.3	
MEAN	0.1	0.2	1.0	5.2	26.3	10	3.0	2.1	3.8	2.2	0.4	0.5
	4.8	9.5	63.1	321	1,510	614	178	126	226	137	27.4	28.4

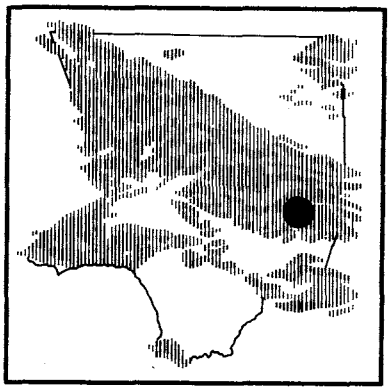
YEAR OR PERIOD MEAN 4.6
ACRE-FEET 3,250

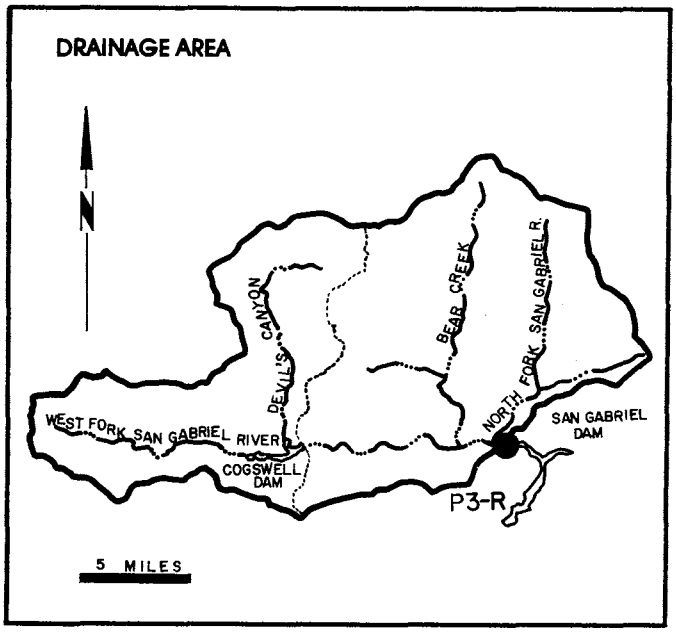
STA. NO. F2B-R
BROWNS CREEK AT VARIEL AVENUE

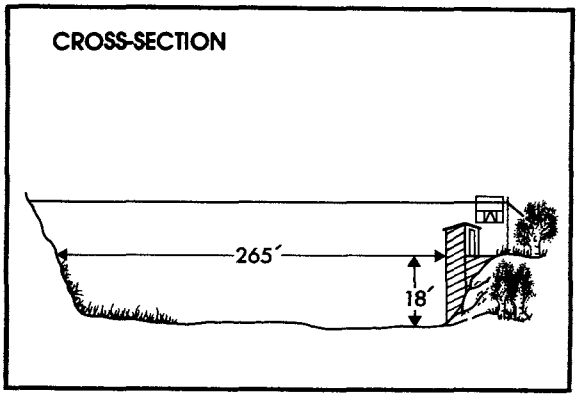
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK MON	PEAK DAY	PEAK CFS
1961-62B	336	0	2.7	1960	2	11	782
1962-63	6.9	0	+	32	3	16	55
1963-64	1.4	0	+	3.8	1	22	21
1964-65	14	0	0.1	87	4	8	47
1965-66	202	0	2.4	1700	11	17	2020
1966-67	110	0	1.4	980	12	6	379
1967-68	38	0	0.3	211	11	21	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
1972-73	68	0	1.4	1010	2	11	778
1973-74	NO RECORD						
1974-75	*	0	*	*			*
1975-76	2.3	0	0.1	39.6	9	10	31
1976-77	4.4	0	0.08	60	1	3	36
1977-78	*	*	*	*			*
1978-79	48.6	0	3.0	2169			*
1979-80	300	0	4.6	3245			*

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

SAN GABRIEL RIVER
West Fork above Forks
STATION NO. P3-R







RECORDER- continuous water stage.

METHOD OF MEASUREMENTS- wading or from cable 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 and 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.

STATION NO. P3-R

DAILY DISCHARGE in second-feet of SAN GABRIEL RIVER - WEST FORK — FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	18.3	17	9.2	B 59	B 110	B 3,420	B 779	B 403	B 209	29.6	48.2	35.2
2	17.6	17	9.6	B 51	B 95	B 3,980	B 699	B 389	B 209	29.6	45.9	41.5
3	18.3	17	9.2	B 50	B 90	B 2,850	B 627	B 383	B 222	32.8	44.8	43.7
4	17.6	17.6	8.8	B 111	B 85	B 7,260	B 635	B 380	B 182	36	42.6	48.2
5	17.6	18.3	8.1	B 116	B 95	B 4,680	B 569	B 376	B 199	39.3	43.7	59
6	17.6	18.3	8.1	B 90	B 91	B 3,440	B 585	B 366	B 200	42.6	42.6	67.4
7	18.3	18.3	8.1	B 79	B 114	B 2,520	B 659	B 349	B 199	45.9	42.6	63.2
8	18.3	19	7.7	B 70	B 178	B 2,020	B 581	B 339	B 188	48.2	42.6	63.2
9	18.3	18.3	7.7	B 112	B 3,020	B 1,530	B 543	B 331	B 180	54.2	42.6	71.6
10	18.3	18.3	7.7	B 252	B 6,310	B 1,210	B 523	B 352	B 167	59	41.5	71.6
11	18.3	18.3	7.7	B 191	B 2,410	B 1,160	B 695	B 335	B 167	63.2	40.4	73
12	18.3	17.6	7.7	B 150	B 1,880	B 1,080	B 490	B 337	B 164	66	41.5	95.7
13	18.3	17.6	7.7	B 133	B 1,705	B 885	B 360	B 337	B 160	67.4	42.6	142
14	17.6	17	7.7	B 272	B 1,240	B 606	B 449	B 338	B 158	66	42.6	183
15	17.6	17	7.7	B 991	B 910	B 530	B 743	B 358	B 142	73.3	42.6	181
16	17.6	17	7.7	B 652	B 638	B 479	B 648	B 370	B 142	83.5	41.5	180
17	17	17	9.2	B 842	B 427	B 447	B 702	B 356	B 140	71.6	41.5	172
18	17	16.3	21.7	B 770	B 388	B 429	B 560	B 357	B 146	70.2	40.4	163
19	17.6	10.4	12	B 711	B 357	B 410	B 529	B 395	B 130	67.4	39.3	163
20	17.6	10	10	B 642	B 325	B 411	B 509	B 421	B 125	64.6	38.2	159
21	17	10	9.6	B 593	B 316	B 409	B 485	B 420	B 120	61.8	37.1	157
22	17	10	9.6	B 553	B 302	B 607	B 479	B 407	B 114	60.4	36	157
23	17	10	9.6	B 509	B 276	B 595	B 490	B 406	B 113	56.6	36	157
24	16.3	9.6	9.2	B 462	B 267	B 545	B 442	B 397	B 112	54.2	35.2	154
25	16.3	9.6	9.2	B 350	B 257	B 550	B 466	B 381	B 116	53	35.2	136
26	16.3	9.2	68.8	B 208	B 234	B 495	B 454	B 371	B 97	51.8	35.2	67.4
27	17	9.2	96.1	B 130	B 234	B 468	B 421	B 366	B 106	49.4	35.2	113
28	17	8.8	746	B 94	B 1,200	B 464	B 432	B 358	B 107	48.2	34.4	165
29	17.6	8.8	179	B 117		B 457	B 426	B 351	B 101	47	34.4	165
30	17.6	8.8	81.4	B 109		B 498	B 413	B 308	B 97	49.4	34.4	167
31	17.6		58.7	B 113		B 1,110		B 206		50.6	34.4	
MEAN	17.5	14.4	47.1	309	841	1,470	546	363	150	54.6	39.8	117
	1,080	855	2,900	19,000	46,720	90,340	32,520	22,300	8,950	3,360	2,450	6,970

YEAR OR PERIOD — MEAN 331 — ACRE-FEET 237,400

STATION NO. P3-R

DAILY DISCHARGE in second-feet of SAN GABRIEL RIVER - WEST FORK — FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	167	27.4	31.2	43.7	210	178	316	201	70.6	43.3	29.9	25
2	167	27.4	30.4	42.6	212	161	186	174	72.4	44.7	28.9	24.4
3	165	26.2	29.6	42.6	301	126	177	176	68.8	44.7	28.9	24.4
4	163	26.2	29.6	42.6	282	120	172	210	65.5	44.7	28.9	23.8
5	161	25.6	29.6	98.9	266	119	169	198	64	44.7	28	23.8
6	139	25.6	29.6	232	253	119	169	186	64	44.7	28	22.6
7	56.6	25	28.8	192	202	120	164	161	64	43.3	27.4	22.6
8	45.9	25	28.8	174	167	122	159	105	61	43.3	27.4	22.6
9	38.2	25	29.6	169	167	122	159	101	58	43.3	27.4	22
10	32.8	27.4	28.8	163	167	120	156	99	58	44.7	26.8	22
11	28	34.4	28.8	161	167	119	154	95	56.5	44.7	27.4	22
12	26.8	32.8	28.8	163	167	119	149	87	56.5	44.7	27.4	22
13	28.8	31.2	28.8	154	165	122	149	91	55	44.7	28	22
14	28.8	31.2	28.8	150	237	119	149	95	55	44.7	28	21.5
15	28.8	30.4	28.8	192	277	117	149	87	53.5	44.7	27.4	21.1
16	28	30.4	28.8	271	269	115	151	83.2	53.5	40.4	27.4	20.6
17	28.8	30.4	64.9	203	261	126	229	70.6	56.5	32.7	27.4	20.6
18	28.8	30.4	158	183	251	122	380	68.8	58	30.8	27.4	20.6
19	28.8	30.4	123	165	238	144	357	72.4	56.5	30.8	26.8	20.6
20	29.6	31.2	77.8	157	225	132	334	72.4	53.5	30.8	26.8	20.6
21	29.6	36	59	148	270	128	318	72.4	52	30.8	26.8	20.6
22	29.6	38.2	49.4	142	243	124	299	77.8	50.5	30.8	26.8	20.6
23	28	36	51.8	140	240	122	280	77.8	46.2	30.8	25.6	20.6
24	28	34.4	50.6	136	225	124	268	77.8	47.6	29.9	25.6	20.6
25	28	33.6	49.4	138	212	126	252	77.8	47.6	29.9	25.6	20.6
26	28	32.8	49.4	132	201	124	291	77.8	44.7	29.9	25.6	20.1
27	28	32.8	48.2	128	189	E 538	351	77.8	43.3	29.9	25	19.6
28	27.4	32	48.2	126	176	E 765	304	76	41.8	29.9	25.6	20.1
29	27.4	31.2	47	124		635	260	74.2	40.4	28.9	25.6	20.1
30	28	30.4	45.9	130		502	230	72.4	40.4	28.9	25.6	20.1
31	28		44.8	193		369		72.4		28.9	25.6	
MEAN	55.8	30.4	46.3	146	223	197	229	105	55.2	37.4	27.1	21.6
	3,430	1,810	2,850	9,000	12,380	12,100	13,650	6,480	3,280	2,300	1,660	1,280

YEAR OR PERIOD — MEAN 97.8 — ACRE-FEET 70,220

STATION NO. P3-R

DAILY DISCHARGE in second-feet of SAN GABRIEL RIVER - WEST FORK — FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	20.1	18.7	18.7	17	E 230	E 646	E 289	E 221	101	49.1	40.4	61
2	19.2	18.7	18.7	16.6	E 136	E 1,032	E 305	E 210	99	47.6	40.4	62.5
3	18.7	18.2	18.7	16.3	E 116	E 1,299	E 307	E 200	99	47.6	37.5	62.5
4	17.8	18.7	18.7	17	E 120	E 1,343	E 301	E 188	95	46.2	37.5	61
5	17.8	19.2	18.7	17.3	E 98	E 1,468	E 303	E 176	91	46.2	34.6	61
6	17.3	18.7	18.7	17.8	E 109	E 1,537	E 295	E 165	89	44.7	32.7	64
7	17.8	19.6	18.7	18.7	E 104	E 1,433	E 311	E 155	89	43.3	31.8	64
8	17.8	20.6	18.2	19.2	E 99	E 1,087	E 378	E 144	87	43.3	30.8	64
9	17.8	20.1	18.2	101	E 107	E 1,033	E 423	E 136	81.4	41.8	30.8	64
10	17.8	19.6	17.8	95.2	E 94	E 882	E 428	129	83.2	41.8	31.8	65.5
11	17.8	19.6	17.8	183	E 92	E 484	E 425	127	77.8	40.4	35.6	65.5
12	17.8	19.6	17.3	83.2	E 84	E 537	E 417	127	70.6	41.8	34.6	64
13	17.9	19.2	17.3	55	E 84	E 432	E 411	125	70.6	43.3	33.7	64
14	18.2	19.2	17.3	109	E 352	E 421	E 376	123	65.5	41.8	34.6	61
15	18.7	19.2	17.3	114	E 1,824	E 389	E 298	118	64	38.9	34.6	62.5
16	18.7	19.2	17	68.8	E 6,200	E 376	E 314	123	62.5	38.9	35.6	62.5
17	18.7	19.2	16.6	58	E 3,715	E 360	E 285	120	62.5	37.5	33.7	61
18	18.7	19.6	16.6	55	E 4,088	E 325	E 297	107	62.5	37.5	31.8	61
19	19.2	19.2	17	47.6	E 4,240	E 317	E 304	97	62.5	36.5	31.8	61
20	33.3	19.2	17	44.7	E 4,913	E 332	E 304	99	62.5	34.6	35.6	61
21	23.2	19.2	17.8	41.8	E 3,114	E 395	E 290	105	61	33.7	35.6	59.5
22	21.1	19.6	17.8	38.9	E 2,509	E 396	E 264	101	59.5	32.7	34.6	59.5
23	20.1	19.2	17.8	37.5	E 1,683	E 383	E 263	99	59.5	32.7	36.5	58
24	19.6	19.2	18.2	35.6	E 1,448	E 372	E 260	93	59.5	31.8	35.6	56.5
25	19.2	19.2	22.6	34.6	E 1,239	E 361	E 248	93	58	30.8	34.6	55
26	19.2	19.6	20.1	33.7	E 1,074	E 378	E 234	91	56.5	31.8	33.7	58
27	18.7	19.6	20.1	33.7	E 938	E 342	E 254	93	53.5	36.5	36.5	58
28	18.7	19.2	19.2	E 34	E 779	E 327	E 245	93	53.5	46.2	44.7	59.5
29	17.8	19.2	18.7	E 1,109	E 700	E 299	E 248	95	52	43.3	47.6	59.5
30	17.8	18.7	17.8	E 577		E 295	E 242	93	50.5	40.4	52	59.5
31	18.2		17.8	E 331		E 294		99		40.4	55	
MEAN	19.2	19.3	18.2	112	1,390	631	311	127	71.3	40.1	36.7	61.2
	1,180	1,150	1,120	6,870	79,910	38,830	18,480	7,830	4,240	2,470	2,250	3,640

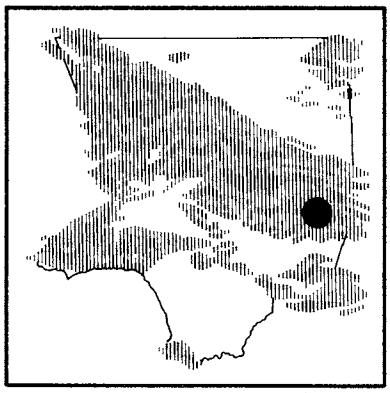
YEAR OR PERIOD — MEAN 236 — ACRE-FEET 168,000

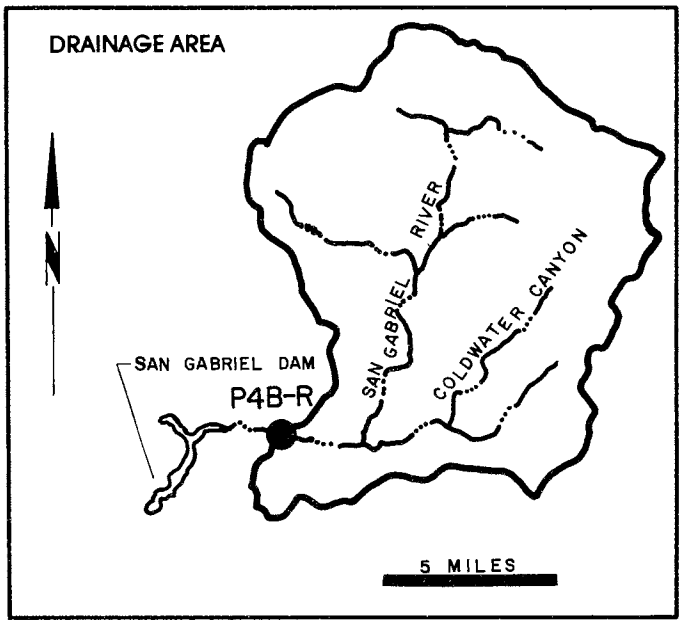
STA. NO. P3-R
SAN GABRIEL RIVER - WEST FORK ABOVE FORKS

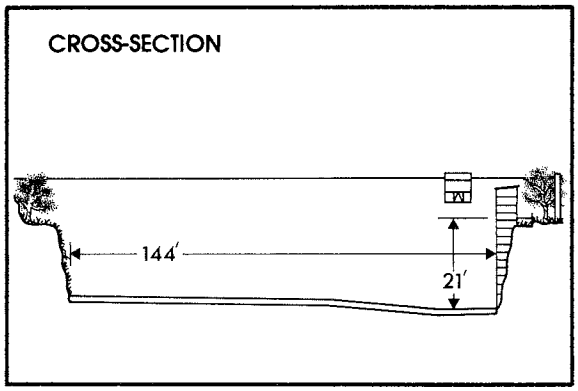
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK MON	PEAK DAY	PEAK CFS
1927-28	704	1.6	17.9	15180	2	4	1620
1928-29	422	0	20.7	14960	4	4	775
1929-30	225	1.9	25.5	18470	3	15	301
1930-31	676	1.2	20.2	14630	4	26	1530
1931-32	598	1.4	76.3	55360	2	9	3790
1932-33	1360	2.5	33.1	23990	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	133.0	96590	2	14	2000
1937-38	*	13	237.0	171900E	3	2	34000E
1938-39	1140	8	46.5	33660	9	25	2530
1939-40	369	6.5	38.2	27720	1	8	1220
1940-41	2870E	7	237.0	171400	2	20	3000E
1941-42	183	6.5	32.9	23810	12	29	288
1942-43	11300E	6.5	211.0	153000	1	23	20000E
1943-44	4000	19	144.0	104500	2	22	5760
1944-45	719	14	51.5	37260	11	11	3950
1945-46	1830	8	65.3	47330	3	30	2620
1946-47	2270	7.6	83.0	60120	12	26	4150
1947-48	135	3	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	115.0	83500	1	16	7520
1952-53	380	2	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	145.0	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	160.0	115600	12	29	13000
1966-67	2320	7	143.0	103600	12	6	4700
1967-68	559	12	47.5	34460	11	19	1400
1968-69	4370	11	363.0	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
1972-73	3760	5.1	76.2	55190	2	11	15200
1973-74	679	13.2	50.4	36500	1	7	1880
1974-75	175	11	30.7	22230	3	6	523
1975-76	506	7.1	24.2	17420	2	9	757
1976-77	217	8.1	21.1	15270	5	8	465
1977-78	7260	7.7	328.0	237460	3	4	16340
1978-79	765	19.6	97.0	70200	3	27	1210
1979-80	6200	16.3	238.3	173000	2	16	10903

E = ESTIMATE
* = RECORD INCOMPLETE

SAN GABRIEL RIVER
East Fork above Forks
STATION NO. P4B-R







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, gravel, and boulders, natural section.
CONTROL- concrete, stabilizer with a 20-foot-wide low flow notch (constructed in November 1947).
LENTH 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.

STATION NO. P4B-R

DAILY DISCHARGE in second-feet of SAN GABRIEL RIVER - EAST FORK — FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	13.6	13.6	12	B 78	B 141	B 2,380	B 677	B 403	B 255	138	83	46.8
2	13.6	13.6	12	B 66	B 119	B 3,160	B 605	B 391	B 255	132	80.9	54.4
3	13.6	13.6	12	B 66	B 113	B 2,200	B 539	B 390	B 274	125	80.9	58.2
4	13.6	13.6	11.6	B 150	B 105	B 5,200	B 555	B 382	B 219	142	80.9	44.9
5	13.2	13.6	11.2	B 157	B 118	B 2,970	B 534	B 387	B 242	149	80.9	54.4
6	13.2	13.6	11.2	B 121	B 113	B 2,500	B 550	B 382	B 241	145	76.7	64.1
7	13.2	13.6	11.2	B 105	B 146	B 1,870	B 580	B 359	B 241	142	70.4	54.4
8	12.8	13.2	11.2	B 93	B 235	B 1,870	B 529	B 351	B 242	135	70.4	50.6
9	12.8	13.2	11.2	B 150	B 4,070	B 1,430	B 512	B 342	B 243	125	70.4	48.7
10	12.8	13.2	11.2	B 343	B 6,360	B 1,170	B 456	B 338	B 224	119	66.2	46.8
11	12.4	13.2	11.2	B 253	B 2,060	B 1,110	B 599	B 324	B 223	115	64.1	46.8
12	12.4	13.2	11.6	B 188	B 1,390	B 1,040	B 469	B 326	B 220	115	62	46.8
13	12.8	13.2	11.6	B 163	B 1,200	B 895	B 420	B 326	B 213	112	62	46.8
14	12.4	12.8	12	B 353	B 916	B 813	B 430	B 327	B 211	112	62	44.9
15	12.4	12.8	12.4	B 1,350	B 774	B 742	B 640	B 329	B 188	112	60.1	43
16	12.8	12.8	13.2	B 741	B 675	B 685	B 477	B 326	B 188	115	58.2	41.7
17	12.8	12.8	15.5	B 684	B 580	B 646	B 687	B 308	B 184	119	56.3	41.7
18	12.8	13.2	29.6	B 467	B 525	B 602	B 519	B 311	B 192	115	54.4	41.7
19	13.2	13.2	20	B 391	B 482	B 576	B 497	B 382	B 171	112	52.5	39.1
20	13.6	13.6	18.1	B 313	B 438	B 549	B 482	B 289	B 163	109	52.5	40.4
21	12.8	13.6	17.1	B 266	B 425	B 550	B 456	B 288	B 156	106	50.6	40.4
22	12.4	13.6	16.6	B 243	B 406	B 546	B 457	B 280	B 148	106	50.6	40.4
23	12	13.2	16.6	B 212	B 369	B 664	B 438	B 282	B 146	97.5	48.7	40.4
24	11.6	12.8	16.2	B 189	B 357	B 524	B 434	B 276	B 145	85.9	48.7	40.4
25	11.6	12.8	16.2	B 186	B 343	B 490	B 421	B 263	B 155	85.9	48.7	40.4
26	12	12.8	74.3	B 165	B 310	B 471	B 441	B 259	B 124	83	48.7	40.4
27	12.4	12.4	105	B 171	B 310	B 456	B 411	B 256	B 137	97.5	50.6	40.4
28	12.8	11.6	909	B 120	B 809	B 448	B 412	B 254	B 138	91.7	50.6	39.1
29	13.2	11.6	360	B 153		B 438	B 418	B 257	B 129	80.9	46.8	39.1
30	13.2	12	174	B 140		B 483	B 409	B 277	B 124	72.5	48.7	40.4
31	13.6		126	B 146		B 888		B 247		78.8	48.7	
MEAN	12.8	13.1	67.8	265	853	1,240	502	320	193	112	60.8	45.3
	789	778	4,170	16,310	47,380	76,100	29,860	19,660	11,490	6,890	3,740	2,690

YEAR OR PERIOD — MEAN 307 — ACRE-FEET 219,900

STATION NO. P48-R

DAILY DISCHARGE in second-feet of SAN GABRIEL RIVER - EAST FORK — FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	54.4	30	33.9	48.7	156	193	356	265	164	67.6	48.7	37.9
2	48.7	30	35.2	48.7	132	167	351	265	162	65.3	48.4	38.1
3	44.9	29.2	33.9	48.7	109	156	338	261	159	65.3	48	37.3
4	40.4	28.4	32.6	48.7	100	152	329	265	159	65.3	47.4	34.5
5	37.8	29.2	32.6	97.1	97.5	152	334	268	155	65.3	45	33.1
6	35.2	30	32.6	138	94.6	163	334	268	152	65.3	43.9	33.3
7	33.9	29.2	31.3	97.5	100	181	316	265	150	65.3	45.7	33.4
8	32.6	29.2	30	83	103	197	312	261	143	63	48.4	33.7
9	30	29.2	30	78.8	109	214	312	254	138	58.4	48.2	33.1
10	29.2	32.6	30	74.6	119	214	398	247	135	58.4	47.6	31.5
11	28.4	46.8	30	76.7	128	218	285	237	135	58.4	46.1	31
12	27.6	41.7	30	97.5	138	218	281	194	133	58.4	45.2	30.7
13	25.2	41.7	30	91.7	142	231	285	192	123	58.4	45.4	30.5
14	29.2	39.1	30	91.7	235	214	290	189	123	56.1	45.4	30.5
15	30	37.8	30	169	235	206	303	189	126	56.1	45.2	29.2
16	30	35.2	30	163	218	197	312	192	111	58.4	44.5	27.4
17	29.2	33.9	66	128	206	210	298	192	104	56.1	42.5	26.8
18	30	32.6	229	122	197	189	290	192	102	56.1	41.9	26.8
19	30	33.9	128	106	189	214	281	189	97.5	56.1	41	26.9
20	31.3	33.9	78.8	100	181	193	276	187	95.2	56.1	40.5	26.9
21	30	44.9	64.1	94.6	266	181	276	187	97.5	56.1	40.2	26.9
22	30	43	58.2	88.8	189	170	272	184	97.5	56.1	39.8	27.1
23	30	40.4	56.3	85.9	185	167	268	182	95.2	56.1	39.8	26.2
24	30	37.8	54.4	83	170	167	268	179	95.2	53.8	40	25.3
25	30	36.5	54.4	88.8	167	170	265	179	90.6	53.8	40.9	25.3
26	28.4	35.2	54.4	80.9	167	177	268	177	83.7	56.1	41.2	25.3
27	28.4	33.9	54.4	76.7	159	E 383	276	174	79.1	56.1	39.1	25.1
28	27.6	32.6	54.4	74.6	156	E 415	276	172	81.4	53	38.6	25.1
29	28.4	32.6	52.5	70.4		312	272	174	81.4	50.7	38.6	24.8
30	28.4	32.6	50.6	72.5		351	276	174	79.1	49.9	38.1	24.4
31	29.2		50.6	132		347		169		49.3	37.3	
MEAN	32.2	34.8	51.9	92.2	159	217	300	210	118	58.1	43.3	29.6
	1,980	2,070	3,190	5,670	8,820	13,330	17,650	12,940	7,040	3,570	2,660	1,760

YEAR OR PERIOD — MEAN 112 — ACRE-FEET 80,680

STATION NO. P48-R

DAILY DISCHARGE in second-feet of SAN GABRIEL RIVER - EAST FORK — FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	31.7	27.2	23.2	20.8	B 310	B 646	E 278	E 286	E 140	E 101	E 57.6	E 42
2	32.5	26.8	23.5	20.5	B 180	B 1,032	E 278	E 286	E 147	E 99.1	E 61.5	E 40.5
3	33.3	26.3	23.8	19.8	B 151	B 1,299	E 265	E 291	E 150	E 99.1	E 63.6	E 42
4	28.1	26.2	24.1	20.3	B 152	B 1,343	E 261	E 291	E 150	E 104	E 57.6	E 40.5
5	23.3	25.9	24.2	20.3	B 115	B 1,468	E 261	E 286	E 143	E 101	E 53.7	E 40.5
6	28.3	25.9	24.4	20.3	B 130	B 1,537	E 256	E 231	E 138	E 94.5	E 49.8	E 40.5
7	33.6	25.9	24.1	20.3	B 123	B 1,433	E 256	E 177	E 143	E 89.9	E 47.8	E 40.5
8	33.7	25.9	23.9	20.5	B 115	B 1,087	E 256	E 174	E 138	E 85.3	E 43.9	E 40.5
9	34.1	25.7	23.6	27.5	B 125	B 1,033	E 261	E 174	E 135	E 83	E 40.5	E 40.5
10	33.9	25.4	23.5	115	B 108	B 882	E 269	E 181	E 133	E 80.8	E 45.9	E 40.5
11	33.7	25.3	23.2	208	B 104	B 484	E 274	E 181	E 135	E 80.8	E 49.8	E 40.5
12	33.9	25.1	23	79.1	B 94	B 537	E 265	E 181	E 145	E 78.7	E 49.8	E 40.5
13	33.7	25	22.9	49.2	B 92	B 432	E 261	E 181	E 155	E 80.8	E 49.8	E 39
14	33.6	24.7	22.6	244	B 447	B 421	E 261	E 177	E 164	E 78.7	E 49.8	E 40.5
15	33.6	24.5	22.3	211	B 1,042	B 389	E 261	E 185	E 179	E 76.5	E 49.8	E 40.5
16	33.6	24.4	22	131	B 6,539	B 376	E 265	E 201	E 192	E 72.2	E 47.8	E 37.5
17	33.6	24.4	21.8	99.8	B 3,367	B 360	E 265	E 206	E 151	E 72.2	E 47.8	E 37.5
18	33.6	24.4	21.7	92.9	B 3,442	B 325	E 265	E 206	E 125	E 72.2	E 47.8	E 36
19	33.7	24.2	22	79.1	B 3,248	B 317	E 269	E 201	E 123	E 72.2	E 47.8	E 36
20	33	24.1	22.3	69.9	B 5,017	B 332	E 265	E 201	E 118	E 70.1	E 47.8	E 36
21	28.1	23.9	22.9	65.3	B 2,862	B 395	E 278	E 201	E 121	E 67.9	E 47.8	E 37.5
22	27.5	23.8	23.3	60.7	B 2,475	B 396	E 286	E 216	E 118	E 65.8	E 47.8	E 36
23	27.4	23.6	23.6	53.4	B 1,530	B 383	E 291	E 187	E 118	E 65.8	E 47.8	E 36
24	27.2	23.8	23.9	50.5	B 1,342	B 372	E 308	E 164	E 116	E 63.6	E 47.8	E 36
25	27.2	23.8	25.1	49.2	B 1,156	B 361	E 286	E 157	E 113	E 57.6	E 47.8	E 34.5
26	27.2	23.8	25.1	46.9	B 984	B 378	E 286	E 159	E 106	E 61.5	E 47.8	E 34.5
27	27.2	23.6	25.1	42.3	B 861	B 342	E 295	E 157	E 101	E 57.6	E 47.8	E 34.5
28	27.2	23.5	24.4	B 37	B 677	B 327	E 291	E 155	E 101	E 57.6	E 47.8	E 34.5
29	27.2	23.3	23.6	B 1,517	B 610	B 299	E 282	E 147	E 96.8	E 57.6	E 47.8	E 34.5
30	27.2	23	23	B 795		B 295	E 282	E 145	E 101	E 57.6	E 45.9	E 34.5
31	27.2		22.3	B 451		B 294		E 145		E 57.6	E 45.9	
MEAN	30.6	24.8	23.4	153	1,290	631	273	198	133	76.2	49.4	38.1
	1,880	1,470	1,440	9,400	74,180	38,830	16,220	12,160	7,930	4,690	3,040	2,270

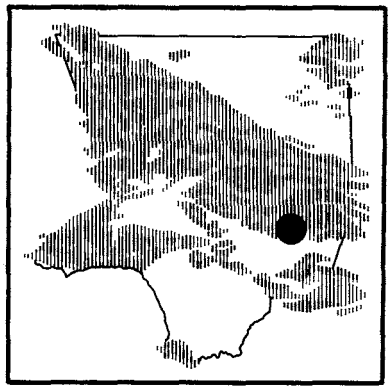
YEAR OR PERIOD — MEAN 243 — ACRE-FEET 173,500

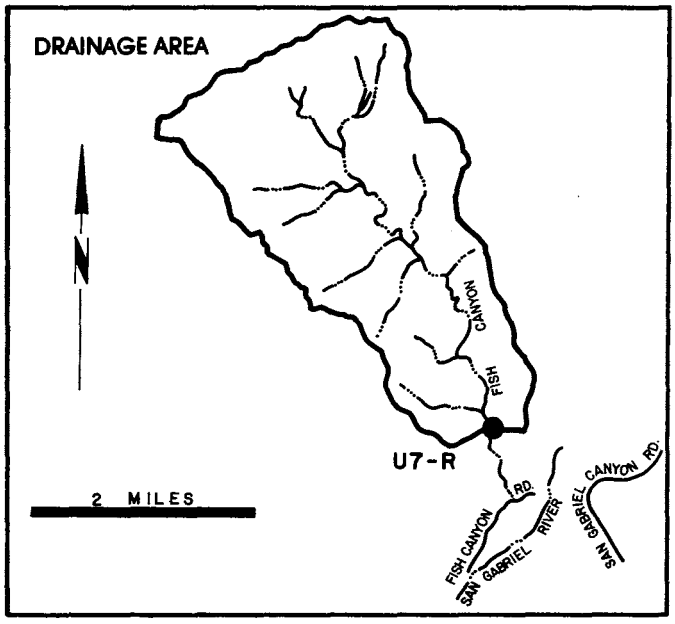
STA. NO. P4B-R
SAN GABRIEL RIVER - EAST FORK ABOVE FORKS

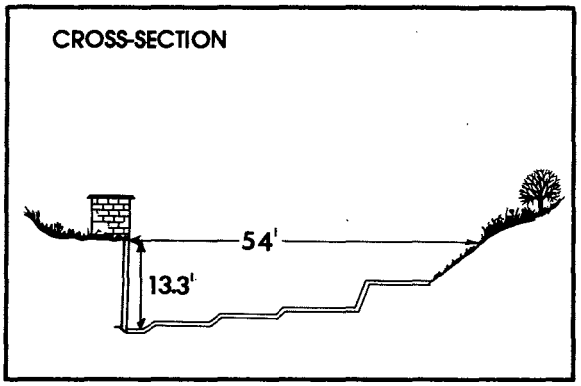
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1932-33	*	*	*	18990*	1	19	835
1933-34	6210	4.5	47.3	34320	1	1	8500
1934-35	638	4.5	85.4	61840	4	8	1080
1935-36	428	8	40.7	29590	2	11	1290
1936-37	1440	9	148.0	107400	2	14	2180
1937-38	10000E	20	208.0	150800	3	2	46000E
1938-39	303	14	43.6	31590	12	18	716
1939-40	430	14	42.0	30500	1	8	1360
1940-41	1110	12	183.0	132400	2	20	1870
1941-42	130	12	34.9	25230	8	10	349
1942-43	5800E	11	160.0	116100	1	23	25000
1943-44	1290	21	113.0	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	109.0	79300	1	16	1110
1952-53	61	5.2	20.2	14640	12	2	116
1953-54	660	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	32.6	23630	1	13	1060
1957-58	1530	13	156.0	112700	4	3	2720
1958-59	345	8	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	19.7	14290	1	22	202
1964-65	184	5.4	29.2	21170	4	9	274
1965-66	2530	8.4	131.0	94660	12	29	9760
1966-67	3190	14	153.0	110900	12	6	6200
1967-68	239	14	44.8	31090	11	19	693
1968-69	8070	13	290.0	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	24.3	17650	12	24	759
1972-73	1830	8.2	78.9	57090	2	11	3790
1973-74	224	10.4	43.3	31350	1	7	416
1974-75	119	8.4	24.7	17890	3	6	269
1975-76	389	8.7	30.5	21960	9	10	5120
1976-77	130	13.2	28.5	20620	1	3	507
1977-78	6360	11.2	303.7	220000	3	4	15640
1978-79	415	24.4	111.4	80700	3	28	718
1979-80	6539	19.8	243.3	173505	2	16	12912

E = ESTIMATE
* = RECORD INCOMPLETE

FISH CREEK
above Mouth of Canyon
STATION NO. U7-R







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.

STATION NO. U7-R

DAILY DISCHARGE in second-feet of FISH CREEK ABOVE MOUTH OF CANYON — FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.2	A 0.2	0.8	2.2	6.2	269	29.3	19	8.5	4.4	2.4	1.9
2	0.2	A 0.2	0.8	2.2	4.4	324	26.5	18	8.1	4.1	2.5	1.9
3	0.2	A 0.3	0.9	2.1	3.7	115	23.4	16.7	8.1	4.1	2.6	1.9
4	0.2	A 0.3	1.1	6.6	3.5	349	28.9	16.4	7.4	4.1	2.8	1.8
5	0.1	A 0.3	0.8	4.3	4.3	147	24.3	15.7	7.2	4.1	2.6	4.2
6	0.1	A 0.3	0.4	4.0	7.4	94.9	17.3	14.8	7.2	3.7	2.8	5.8
7	0.1	A 0.2	0.4	3.8	10	75	13.4	14.2	6.2	3.7	2.6	4.1
8	0.1	0.2	0.4	2.8	11.7	63.1	7.6	13.8	6.6	3.7	2.6	3.4
9	0.1	0.2	0.4	6.8	287	54.2	7.6	12.6	6.6	3.7	2.6	3.1
10	A 0.1	0.2	0.4	23.3	386	48.6	8.5	12.6	6.4	3.1	2.6	3.0
11	A 0.1	0.1	0.5	12.9	70.7	45.8	9.4	14.2	6.4	3.0	2.6	3.0
12	A 0.1	0.1	0.5	4.3	52.3	43.7	10.1	12.3	5.8	2.9	2.5	3.0
13	A 0.1	0.2	0.5	3.8	65.1	43	10.7	11.2	5.8	3.1	2.5	3.0
14	A 0.1	0.2	0.5	23.5	53.9	42.4	11.2	10.9	5.8	3.1	2.5	3.1
15	A 0.1	0.2	0.5	128	34.5	42.4	29.6	10.7	5.8	3.1	2.4	2.9
16	A 0.2	0.2	0.6	69.2	28.8	43.7	26.9	10.1	5.8	2.9	2.4	2.8
17	A 0.2	0.2	0.8	70.1	27.9	41.8	20.2	8.9	5.8	2.9	2.3	2.8
18	A 0.2	0.2	2.8	40.2	30.7	38.2	17.3	8.2	5.8	2.9	2.2	2.6
19	A 0.2	0.3	1.1	28.9	29.8	34.3	16.4	7.7	5.8	3.1	2.2	2.2
20	A 0.2	0.3	0.9	22.9	27.9	30.7	16	7.8	5.2	3.1	2.1	2.0
21	A 0.2	0.2	0.9	19.1	27	34.1	16.7	7.6	5.2	3.0	2.1	1.9
22	A 0.2	0.2	1.0	15.4	26.5	43.9	18.9	7.2	5.2	3.0	2.1	1.8
23	A 0.2	0.2	1.2	13.8	25.6	34.3	18.3	7.4	5.2	2.9	2.1	1.8
24	A 0.2	0.2	1.1	13.2	24.7	27.5	18.3	6.6	4.8	2.9	2.0	1.6
25	A 0.2	0.2	1.0	12.6	24.3	24.7	19.4	6.4	4.8	2.9	1.9	1.5
26	A 0.2	0.2	9.1	11.2	24.3	25.6	20.5	6.6	4.6	2.8	1.9	1.5
27	A 0.2	0.2	7.0	10.1	23.8	25.6	20.9	9.6	4.6	2.8	1.9	1.4
28	A 0.2	0.2	68	9.2	40.9	23.8	20.5	10.1	4.6	2.8	1.9	1.5
29	A 0.2	0.2	4.5	8.3		22.1	20.5	9.4	4.6	2.6	1.9	1.4
30	A 0.2	0.2	3.7	7.4		23.5	19.8	8.1	4.4	2.6	1.9	1.4
31	A 0.2		2.4	6.8		41.2		8.1		2.8	1.9	
MEAN	0.2	0.2	3.7	19	48.7	73.3	18.3	11.1	5.9	3.2	2.3	2.5
	10.1	12.7	228	1,170	2,700	4,510	1,090	680	354	198	142	147

YEAR OR PERIOD - MEAN 15.7
ACRE-FEET 11,240

STATION NO. U7-R

DAILY DISCHARGE in second-feet of FISH CREEK ABOVE MOUTH OF CANYON — FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.1	A 1.3	1.3	1.1	35.1	22	17.3	3.0	1.3	1.3	0.6	0.3
2	1.2	A 1.3	1.3	1.4	24.3	17.6	15.7	3.0	1.3	1.0	0.7	0.2
3	1.2	A 1.2	1.3	1.9	20.5	15.1	14.2	3.0	1.2	1.0	0.6	0.2
4	1.2	1.0	1.3	2.1	17	12.9	13.2	2.9	1.2	1.0	0.6	0.3
5	1.2	0.9	1.3	22	14.8	10.9	12.3	2.6	1.2	1.0	0.6	0.3
6	1.3	0.9	1.3	25.6	12.6	8.5	12	3.7	1.3	0.9	0.6	0.3
7	1.3	0.9	1.6	8.0	11.2	8.3	12.9	3.8	1.6	0.9	0.6	0.3
8	1.1	0.9	1.6	6.2	9.9	8.7	12.6	3.8	1.3	0.7	0.5	0.3
9	1.0	0.9	1.6	5.8	8.5	8.7	12	3.7	1.1	0.6	0.4	0.3
10	1.0	2.5	1.7	5.2	6.2	8.5	10.9	3.4	1.3	0.6	0.4	0.3
11	0.9	3.8	1.6	5.2	4.9	8.3	10.4	2.6	1.3	0.7	0.4	0.3
12	1.0	2.4	1.6	5.1	7.0	7.2	10.7	2.0	1.2	0.6	0.5	0.3
13	A 1.3	1.9	1.5	4.6	5.8	8.1	10.4	2.5	1.2	0.8	0.6	0.3
14	A 1.3	1.9	1.5	4.8	11.9	9.4	10.1	2.0	1.1	0.8	0.6	0.3
15	A 1.3	1.5	1.4	26.2	7.2	8.5	10.1	1.9	1.2	0.8	0.5	0.3
16	A 1.3	1.4	1.4	34.7	6.0	5.5	10.1	1.9	1.3	0.6	0.4	0.3
17	A 1.3	1.3	11.4	20	5.4	4.9	10.1	2.0	1.3	0.9	0.4	0.3
18	A 1.3	1.3	14.4	16.3	5.1	4.0	9.6	2.0	1.4	1.0	0.4	0.3
19	A 1.3	1.3	10.2	9.4	4.9	8.1	9.2	2.0	1.2	1.0	0.4	0.3
20	A 1.3	1.2	2.1	6.0	6.0	7.4	8.7	2.0	1.0	1.3	0.4	0.3
21	A 1.3	2.4	1.7	5.2	32.4	5.8	6.6	2.0	1.0	1.4	0.4	0.4
22	A 1.3	2.3	1.5	5.1	23.4	5.2	3.3	1.9	0.9	1.3	0.3	0.4
23	A 1.3	1.9	1.5	4.8	22.9	4.6	3.3	1.8	0.9	1.2	0.2	0.4
24	A 1.3	1.5	1.3	4.4	20.5	4.3	3.3	1.8	0.9	1.1	0.2	0.3
25	A 1.3	2.4	1.3	4.6	19	3.7	3.1	1.7	0.9	1.0	0.2	0.3
26	A 1.3	1.8	1.1	4.1	18.3	3.4	3.0	1.7	0.8	0.9	0.2	0.3
27	A 1.3	1.4	1.1	4.1	17.6	20	2.9	1.8	0.6	0.9	0.2	0.3
28	A 1.3	1.3	1.1	4.0	17	22.9	3.0	1.6	0.7	0.8	0.2	0.3
29	A 1.3	1.2	1.1	3.8		22.9	3.0	1.6	1.2	0.7	0.2	0.3
30	A 1.3	1.2	1.1	6.4		20.5	2.9	1.5	1.2	0.7	0.3	0.4
31	A 1.3		1.0	32.8		18.6		1.5		0.7	0.3	
MEAN	1.2	1.6	2.4	9.4	14.1	10.5	8.9	2.3	1.1	0.9	0.4	0.3
	75.8	93.6	149	577	784	644	529	144	67.6	55.9	25.6	18.2

YEAR OR PERIOD — MEAN 4.4 — ACRE-FEET 3,160

STATION NO. U7-R

DAILY DISCHARGE in second-feet of FISH CREEK ABOVE MOUTH OF CANYON — FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.5	0.6	1.1	0.8	12.6	83	19	9.2	5.4	2.9	1.9	1.3
2	0.4	0.5	1.1	0.8	9.6	83	17.3	9.2	5.6	2.6	2.2	1.3
3	0.4	0.5	1.0	0.7	14.2	83	17.3	9.2	5.6	2.5	2.4	1.3
4	0.4	0.7	0.9	0.9	19.8	83	17.6	9.6	5.6	2.5	2.0	1.3
5	0.5	0.7	0.9	0.8	19	82	18.3	10.4	5.6	2.2	2.0	1.3
6	0.5	0.6	0.8	0.7	18	82	17.3	11.8	5.6	2.0	1.8	1.3
7	0.5	0.8	0.6	0.9	16.7	81	14.8	12.6	5.4	1.8	1.4	1.3
8	0.6	1.0	0.5	0.9	15.7	77	14.5	12.6	5.2	2.2	1.7	1.3
9	0.7	0.9	0.5	12.6	12	62.2	14.8	12.9	5.4	2.1	1.7	1.3
10	0.7	0.9	0.5	14.5	7.2	54.9	15.4	16.9	5.4	2.2	1.6	1.3
11	0.7	0.7	0.5	23.8	7.2	47.9	15.1	10.9	5.4	2.2	1.6	1.3
12	0.7	0.7	0.5	8.3	7.0	40.6	12.3	9.9	5.4	2.2	1.5	1.3
13	0.7	0.6	0.5	5.2	11.2	35.4	13.5	9.2	5.4	2.2	1.5	1.3
14	0.9	0.6	0.5	34.8	57.7	31.1	13.8	9.2	5.4	2.1	1.5	1.2
15	0.9	0.6	0.5	17.8	277	28.4	13.5	8.9	5.1	2.2	1.5	1.2
16	0.9	0.7	0.5	6.8	448	24.7	12.9	8.5	4.9	2.1	1.5	1.2
17	0.9	0.6	0.5	3.7	216	24.3	12.9	8.7	5.1	2.1	1.5	1.2
18	0.9	0.6	0.5	4.0	179	24.3	12.9	8.3	4.6	2.1	1.5	1.2
19	1.0	0.7	0.5	2.5	259	23.4	12.9	8.1	4.6	2.1	1.5	1.2
20	1.0	0.9	0.5	2.2	121	22.9	12.9	8.1	4.4	2.1	1.5	1.2
21	0.9	0.9	0.8	2.1	120	22.5	11.8	8.1	4.4	2.1	1.5	1.2
22	0.6	0.9	0.8	2.0	92.4	28.8	11.5	8.1	4.3	2.2	1.5	1.2
23	0.5	1.0	0.7	2.1	88.8	25	11.2	8.1	4.0	2.2	1.5	1.2
24	0.6	1.0	0.7	2.3	87.6	22.5	10.9	8.1	3.4	2.2	1.4	1.1
25	0.6	1.0	1.6	2.2	86.4	22.5	10.9	8.1	3.0	2.2	1.4	1.1
26	0.7	1.1	0.9	2.0	85.2	22.1	10.7	8.1	3.0	2.1	1.4	1.1
27	0.7	1.1	0.8	2.0	85.2	20.9	10.1	8.1	2.9	2.1	1.4	1.1
28	0.6	1.1	0.7	28	84	20.2	9.4	8.1	2.9	2.2	1.3	1.1
29	0.5	1.1	0.7	294	84	19.4	9.2	8.1	2.9	2.2	1.3	1.1
30	0.4	1.1	0.7	32.7		20.2	9.2	8.1	2.9	2.1	1.3	1.1
31	0.5		0.7	18.3		22.1		6.4		1.9	1.3	
MEAN	0.7	0.8	0.7	17.1	87.6	42.6	13.5	9.4	4.6	2.2	1.6	1.2
	40.5	48	43.6	1,050	5,040	2,620	801	578	275	135	97.4	72.6

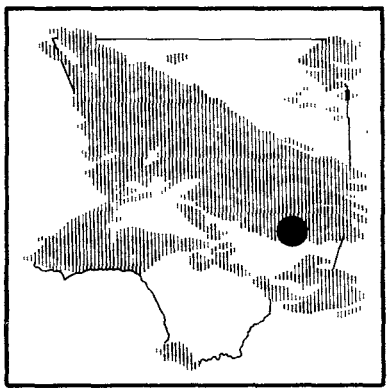
YEAR OR PERIOD — MEAN 15.2 — ACRE-FEET 10,800

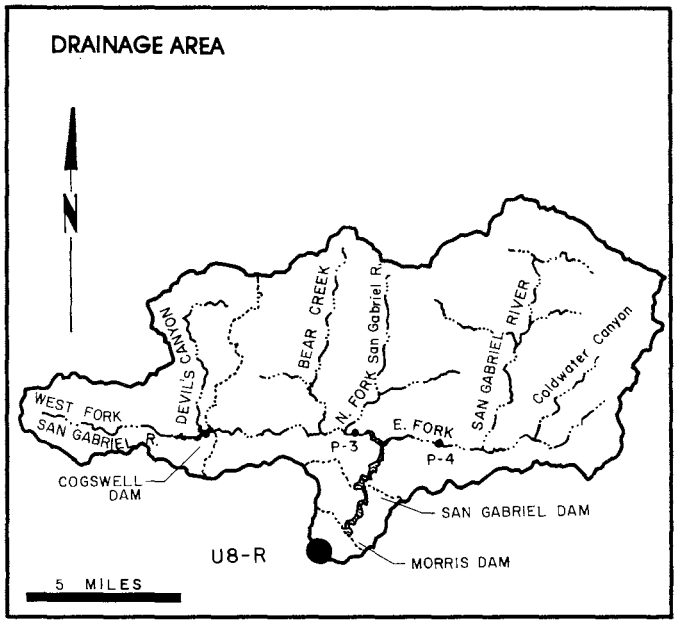
STA. NO. U7-R
FISH CREEK ABOVE MOUTH OF CANYON

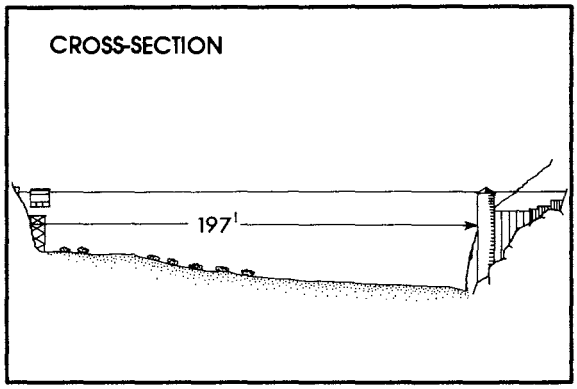
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1917-18	193	0.1	4.1	2960	3	10	330
1918-19	10	0	0.9	648	2	11	21
1919-20	83	+	3.0	2160	3	2	255
1920-21	120	0	2.3	1670	3	13	286
1921-22	290	0.1	12.4	8980	2	9	505
1922-23	64	0.1	2.1	1510	12	12	186
1923-24	14	0	0.5	344	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	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	16	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
1972-73	480	0.2	7.4	5390	2	11	1600
1973-74	234	0.4	4.4	3210	1	7	376
1974-75	30	0.2	2.5	909	12	4	56
1975-76	41	0.1	1.5	1050	3	1	143
1976-77	45	0	1.0	760			N.D.
1977-78	386	0.1	15.5	11242	2	10	1340
1978-79	35.1	0.2	4.4	3760	12	5	78

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

SAN GABRIEL RIVER
below Morris Dam
STATION NO.U8-R







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- concrete control.

LENGTH OF RECORD- May 1894 to date.

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

STATION NO. U8-R

DAILY DISCHARGE in second-feet of SAN GABRIEL RIVER BELOW MORRIS DAM — FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	306	0	1,340	5,240	1,420	869	969	174	0	101
2	0	0	315	0	482	6,510	856	850	969	178	0	0
3	0	0	312	0	0.4	6,960	850	850	969	137	0	0
4	0	0	309	0	0	8,940	967	850	969	107	0	0
5	0	0	319	59.4	0	10,800	1,250	889	969	107	0	127
6	0	0	332	142	0	E 7,440	1,360	935	962	107	0	276
7	0	0	339	142	0.5	E 5,410	1,360	928	955	107	0	436
8	0	0	353	142	0.3	4,370	1,340	928	1,030	107	0	356
9	0	0	364	142	14.5	3,280	1,320	928	1,090	107	0	277
10	0	0	357	143	248	1,960	1,010	613	1,040	192	0	273
11	0	0	350	142	2,850	1,410	756	448	1,040	242	0	83.8
12	0	0	353	143	4,350	1,410	484	448	908	239	0	0
13	0	0	357	143	4,330	1,410	323	448	818	239	0	0
14	0	0	350	110	3,950	1,380	580	448	727	242	0	0
15	0	0	345	8.8	2,240	1,240	1,150	678	653	242	0	0
16	0	0	364	151	1,700	1,150	1,400	850	615	245	0	0
17	0	0	350	1,410	1,140	1,070	1,090	850	586	245	0	0
18	0	0	336	1,450	750	989	895	850	586	245	0	0
19	0	0	231	861	768	996	869	850	530	245	0	0
20	0	0	0.1	738	787	695	849	850	429	247	0	0
21	0	137	0	787	945	690	908	850	346	247	0	0
22	0	281	0	793	1,090	973	989	850	346	250	0	0
23	0	284	0	939	1,240	663	989	850	346	250	164	0
24	0	284	0	1,120	1,240	615	955	850	346	115	287	0
25	0	284	0	1,210	1,070	576	902	869	346	0	284	0
26	0	281	0	1,330	1,070	562	902	935	342	0	280	0
27	0	281	0	1,460	1,070	567	902	969	342	0	280	0
28	0	294	0.6	1,400	2,630	631	902	969	342	0	277	0
29	0	306	0	1,400		691	902	969	342	0	273	0
30	0	303	0	1,400		1,440	902	969	272	0	270	0
31	0		0	1,400		2,470		969		0	267	
MEAN	0	91.2	205	618	1,260	2,660	979	820	673	149	76.8	64.3
	0	5,420	12,580	38,020	70,030	163,700	58,280	50,400	40,030	9,160	4,720	3,830

YEAR OR PERIOD — MEAN 633 — ACRE-FEET 456,200

STATION NO. U8-R

DAILY DISCHARGE in second-feet of SAN GABRIEL RIVER BELOW MORRIS DAM — FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	2.2	236	2.4	390	456	63.2	0	0
2	0	0	0	0	1.1	287	93.8	407	452	58.1	0	0
3	0	0	0	0	0.3	287	326	395	448	36.2	0	0
4	0	0	0	205	+	290	428	419	444	29	0	0
5	0	0	0	374	+	315	411	423	440	35.4	0	0
6	0	0	0	370	+	342	411	423	440	63.2	0	0
7	0	0	0	366	+	354	411	423	326	28.3	0	0
8	0	0	0	362	+	370	411	419	138	10.6	0	0
9	0	0	0	429	0.1	370	419	419	111	19.3	0	0
10	0	0	0	477	0.1	370	490	415	107	77.5	0	0
11	0	0	0	469	0.1	370	504	415	106	91.8	0	0
12	0	0	0	464	0.1	366	504	415	104	93	0	0
13	0	0	0	460	0.1	370	504	411	106	84.8	0	0
14	0	0	0	460	0.1	370	497	411	106	34.4	0	0
15	0	0	0	341	0.1	370	490	423	70.7	12.7	0	0
16	0	0	0	246	0.1	374	495	473	1.0	8.1	0	0
17	218	0	0	145	0	374	495	477	36.4	21.2	0	0
18	366	0	0	0.4	0.2	374	490	473	127	91.8	0	0
19	366	0	0	+	0.7	314	495	473	131	38.3	0	0
20	370	0	0	+	0.7	358	490	473	131	11.5	0	0
21	370	0	0	+	2.2	330	495	469	112	6.1	0	0
22	366	0	0	167	0.8	346	479	464	60	2.8	0	0
23	366	0	0	322	88.4	378	490	469	47	1.9	0	0
24	366	0	0	358	151	378	490	477	42.5	1.6	0	0
25	366	0	0	354	151	378	490	477	40.7	1.6	0	0
26	370	0	204	346	191	378	413	477	44.3	0.7	0	0
27	226	0	318	338	217	155	220	473	56.2	0.2	0	0
28	0.2	0	287	330	215	4.9	193	469	59.1	0	0	0
29	0	0	167	322		3.2	190	464	61	0	0	0
30	0	0	0.2	214		2.5	207	464	61	0	0	0
31	0		0	5.4		2.4		456		0	0	
MEAN	121	0	31.5	256	36.9	297	401	443	162	29.8	0	0
	7,440	0	1,940	15,720	2,030	18,280	23,870	27,240	9,650	1,830	0	0

YEAR OR PERIOD — MEAN 148 — ACRE-FEET 108,000

STATION NO. U8-R

DAILY DISCHARGE in second-feet of SAN GABRIEL RIVER BELOW MORRIS DAM — FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	0.9	895	599	955	297	154	98.7	95.8
2	0	0	0	0	0.3	962	660	949	290	148	98.7	95.8
3	0	0.1	0	0	+	1,350	682	949	231	119	98.7	95.8
4	0	0.1	0	0	46.2	2,520	523	942	220	109	97.2	95.8
5	0	287	0	0	142	2,550	677	942	220	104	95.8	95.8
6	0	452	0	0	142	2,620	701	611	220	102	95.8	95.8
7	0	430	0	0	143	2,590	691	294	220	107	97.2	95.8
8	0	447	0	0	143	2,420	696	882	220	126	95.8	95.8
9	0	429	0	0.5	143	2,050	696	962	220	131	95.8	95.8
10	0	448	0	1.6	143	1,670	703	969	220	131	97.2	95.8
11	0	444	0	1.9	146	768	781	955	220	131	97.2	97.2
12	0	440	0	0.3	146	706	787	844	217	131	91.5	97.2
13	0	428	0	0	69	687	787	153	217	130	90.1	97.2
14	0	432	0	1.6	8.9	687	800	72	215	126	88.7	97.2
15	0	428	0	0.3	19.1	706	837	192	215	113	88.7	97.2
16	0	423	0	0	1,300	696	837	795	215	110	87.3	97.2
17	0	415	0	0	7,910	696	837	882	215	116	87.3	98.7
18	0	407	0	0	8,080	706	831	869	215	121	85.8	98.7
19	0	403	0	0	8,310	672	831	863	215	126	87.3	98.7
20	0	399	0	0	8,290	563	818	825	215	127	93	98.7
21	0	399	0	0	8,040	551	863	701	215	123	95.8	98.7
22	0	395	0	79.4	6,770	562	955	682	215	124	95.8	98.7
23	0	387	0	158	4,160	557	955	672	207	124	95.8	98.7
24	0	378	0	158	3,400	557	942	663	154	124	95.8	97.2
25	0	374	0	158	3,250	557	935	653	142	124	95.8	95.8
26	0	366	0	158	2,880	383	928	643	148	126	95.8	97.2
27	0	358	0	158	1,330	591	922	634	150	124	95.8	98.7
28	0	346	0	119	187	615	942	509	150	119	94.4	97.2
29	0	110	0	21.2	524	591	962	318	150	106	94.4	97.2
30	0	0.1	0	3.2		586	956	297	151	102	94.4	98.7
31	0		0	1.7		586		294		100	94.4	
MEAN	0	328	0	32.9	2,270	1,050	804	676	207	121	94.1	97.1
	0	19,490	0	2,020	130,400	64,720	47,870	41,600	12,300	7,450	5,780	5,780

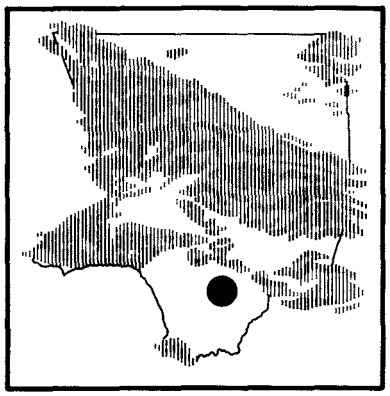
YEAR OR PERIOD — MEAN 473 — ACRE-FEET 337,400

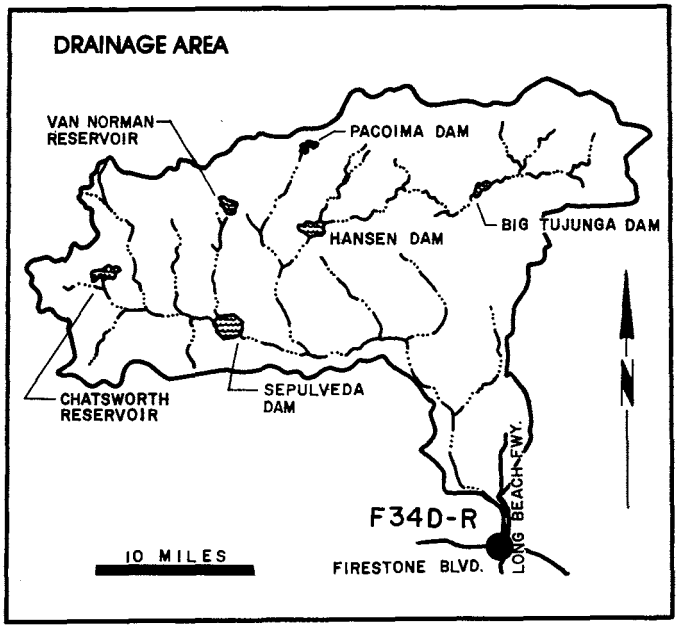
STA. NO. U8-R
SAN GABRIEL RIVER BELOW MORRIS DAM

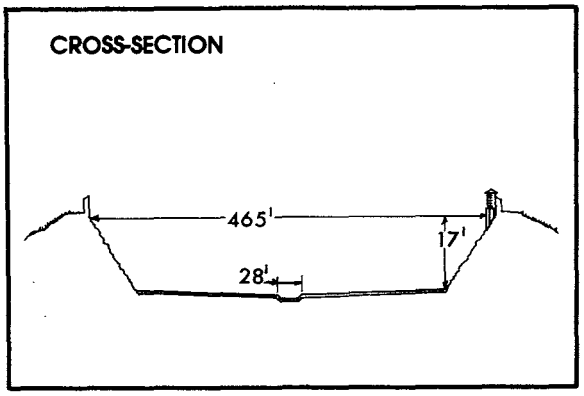
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK MON	PEAK DAY	PEAK CFS
1895-96	134	0	N.D.	N.D.			N.D.
1896-97	1760	0	95.6	69200			N.D.
1897-98	1600	0	9.6	6920			N.D.
1898-99	16	0	0.1	74			N.D.
1899-00	49	0	0.4	272			N.D.
1900-01	5170	0	94.1	68100	2	5	6250
1901-02	318	0	4.3	3100			N.D.
1902-03	2940	0	104.0	74900			N.D.
1903-04	1070	0	9.3	6720			N.D.
1904-05	2940	0	172.0	124000			N.D.
1905-06	7950	0	262.0	190000			N.D.
1906-07	6730	0	406.0	293000			N.D.
1907-08	1160	0	46.4	33700			N.D.
1908-09	7030	0	197.0	143000			N.D.
1909-10	12400	0	137.0	99100	1	1	13900
1910-11	9100	0	321.0	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	359.0	260000	2	20	18100
1914-15	1110	0	108.0	77900	1	29	2770
1915-16	22300	0	315.0	228000	1	18	40000
1916-17	3900	0	49.3	35700			N.D.
1917-18	4940	0	123.0	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	505.0	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	113.0	81700	4	7	14900
1926-27	11400	0	123.0	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	120.0	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	102.0	74080	2	9	507
1935-36	224	0	31.6	22980	4	10	455
1936-37	1770	0	195.0	141100	2	20	1950
1937-38	21660	0.1	415.0	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	317.0	229300	3	4	4460
1941-42	370	2.5	13.1	9480	4	20	422
1942-43	10370	2	334.0	242000	1	23	12100
1943-44	2710	3.6	184.0	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	241.0	174100	4	5	2780
1958-59	348	0	11.3	8200	2	24	364
1959-60	0	0	0.0	0			0
1960-61	7.5	0	1.7	1250	5	6	9.1
1961-62	1520	0	102.0	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	225.0	162900	11	23	8640
1966-67	3750	0	232.0	167900	12	6	5680
1967-68	236	0	31.7	23030	11	25	326
1968-69	19300	0	750.0	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
1972-73	849	0	131.0	94790	3	19	918
1973-74	310	0	60.8	44010	11	7	364
1974-75	248	0	29.7	21500	VARIOUS		248
1975-76	191	0	28.8	20870	3	25	178
1976-77	267	0	21.8	15760	10	13	273
1977-78	10800	0	630.1	456170	3	4	14100
1978-79	504	0	149.2	108000	4	22	519
1979-80	8310	0	473.3	337410	2	19	8720

N.D. = NOT DETERMINED

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







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 Dam; 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.

STATION NO. F34D-R

DAILY DISCHARGE in second-feet of LOS ANGELES RIVER BELOW FIRESTONE BLVD. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	11.4	8.4	12.2	18	27	16,900	1,320	248	38.2	36.8	28.4	74.7
2	9.0	8.4	11.4	15.4	29.8	8,660	900	276	36.8	28.4	27	68.4
3	7.8	8.4	10.6	322	29.8	3,850	700	248	35.4	29.8	27	58.1
4	9.0	8.4	10.6	2,990	28.4	31,900	651	229	38.2	29.8	39.6	66.3
5	10.6	46.1	9.8	328	2,010	22,100	295	205	39.6	32.6	25	646
6	10.6	50.5	10.6	1,580	630	7,340	469	267	38.2	35.4	19	490
7	11.4	13.8	9.8	99.2	1,980	4,980	971	238	32.6	35.4	17	79
8	11.4	11.4	8.4	33.5	1,800	3,190	344	238	31.2	31.2	14.6	44.8
9	11.4	9.0	7.8	1,700	12,700	1,560	267	181	28.4	31.2	16.2	32.6
10	11.4	8.4	9.0	4,650	24,200	1,220	267	286	27	28.4	14.6	27
11	12.2	8.4	9.8	254	13,200	900	257	97.6	25	54.3	15.4	31.2
12	11.4	7.8	9.8	58	11,900	820	229	196	25	39.6	16.2	29.8
13	9.8	7.8	11.4	34.8	3,630	800	248	94.4	25	74.1	17	19
14	9.0	7.8	9.8	2,780	1,420	820	286	50.5	24	54.3	22	21
15	8.4	7.8	11.4	3,690	996	780	3,300	50.5	21	42.9	22	78.2
16	9.0	13.8	12.2	6,330	780	700	943	48.6	21	44.8	28.4	480
17	9.8	8.4	236	1,080	500	600	540	41	23	58.1	32.6	226
18	11.4	13.8	602	360	286	441	363	41	23	58.1	36.8	81
19	10.6	10.6	40	1,080	195	305	295	42.9	26	41	38.2	54.3
20	10.6	10.6	29.6	189	176	286	286	41	27	36.8	42.9	41
21	9.8	9.8	27	46	161	579	276	48.6	29.8	35.4	46.7	54.3
22	10.6	9.8	62.6	32.2	152	3,460	257	54.3	27	31.2	50.5	60
23	9.8	9.8	49.8	38.7	114	780	267	54.3	26	27	48.6	68.4
24	10.6	9.8	20	56	66.3	463	295	52.4	25	28.4	42.9	74.7
25	9.0	9.8	77.3	58.4	64.2	248	498	185	24	29.8	44.8	96.4
26	9.8	9.8	3,310	27	68.4	238	286	176	23	34	48.6	89.8
27	9.0	10.6	670	26	205	229	257	61.2	23	36.8	50.5	83.2
28	8.4	11.4	6,940	24	8,090	161	257	66.3	25	64.2	56.2	85.4
29	8.4	11.4	306	24		152	248	119	25	54.3	62.1	81
30	8.4	12.2	100	26		307	248	87.6	24	41	68.4	81
31	9.0		23	38.7		2,080		44.8		31.2	56.2	
MEAN	10	12.5	408	903	3,050	3,770	527	131	27.9	39.9	34.7	114
	613	742	25,110	55,520	169,500	231,800	31,380	8,070	1,660	2,450	2,130	6,790

YEAR OR PERIOD MEAN 752
ACRE-FEET 535,800

STATION NO. F34D-R

DAILY DISCHARGE in second-feet of LOS ANGELES RIVER BELOW FIRESTONE BLVD. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	72.6	36.8	72.4	31.3	1,010	1,450	298	152	52.8	65.5	65.5	61.9
2	66.3	44.8	88.8	31.3	2,070	172	256	147	52.8	67.4	65.5	61.9
3	62.1	50.5	48.1	29	607	77.3	213	142	63.7	71	67.4	60.1
4	58.1	48.6	48.1	85.7	178	52.8	169	139	54.7	71	67.4	61.9
5	56.2	54.3	49.7	7,260	101	52.8	134	142	51.2	71	61.9	60.1
6	52.4	56.2	52.8	1,390	61.9	46.6	103	131	43.4	67.4	65.5	60.1
7	52.4	48.6	46.6	199	69.2	49.7	85.7	131	58.3	63.7	67.4	58.3
8	46.7	58.1	40.3	77.3	67.4	51.2	73.1	131	96.1	63.7	65.5	58.3
9	48.6	55.3	30.2	251	67.4	56.4	69.3	129	164	58.3	63.7	58.3
10	50.5	175	40.3	83.6	48.1	51.2	65.5	121	190	60.1	67.4	58.3
11	48.6	702	45	48.1	30.2	61.9	65.5	114	126	60.1	65.5	56.4
12	46.7	182	45	41.9	27.8	69.2	60.1	112	51.2	60.1	63.7	60.1
13	44.8	275	34.9	38.8	27.6	271	61.9	112	45	69.2	63.7	58.3
14	42.9	172	24.6	259	955	148	54.6	105	46.6	63.7	58.3	58.3
15	36.8	60.1	40.3	4,660	165	69.2	51.2	52.8	51.2	56.4	61.9	56.4
16	38.2	56.4	46.6	7,090	58.3	92	49.7	51.2	49.7	58.3	63.7	52.8
17	41	41.9	504	365	40.3	2,130	51.2	59.7	83.6	58.3	61.9	51.2
18	27	32.5	2,020	374	38.8	427	58.3	63.7	77.3	69.2	60.1	54.6
19	28.4	37.2	734	265	43.4	974	54.6	60.1	63.7	61.9	60.1	52.4
20	76	37.2	135	119	109	587	49.7	65.5	60.1	61.9	60.1	56.4
21	48.6	1,230	122	61.9	3,470	249	51.2	60.1	65.5	63.7	58.3	52.8
22	41	1,430	37.2	54.6	289	109	51.2	60.1	96.4	63.7	60.1	58.3
23	39.6	195	30.2	46.6	1,000	58.3	60.1	71	103	63.7	56.4	52.8
24	24	88.7	27.8	43.4	166	38.8	198	206	94.2	71	54.6	60.1
25	31.2	63.7	32.5	46.6	103	36	187	52.9	89.9	65.5	54.6	54.6
26	39.6	61.9	36	41.9	79.4	46.6	175	40.3	87.8	75.2	54.6	60.1
27	39.6	61.9	34.9	33.7	61.9	8,820	169	38.8	85.7	65.5	58.3	61.9
28	50.5	52.8	40.3	73.1	61.9	4,450	161	43.4	81.5	65.5	56.4	63.7
29	50.5	60.1	31.3	45		1,520	155	41.9	79.4	63.7	58.3	61.9
30	46.7	46.6	33.7	2,440		974	152	40.3	77.3	63.7	58.3	69.2
31	72		33.7	3,970		505		48.1		65.5	56.4	
MEAN	47.7	184	149	953	393	764	113	92.4	78.1	64.7	61.4	58.4
	2,930	10,940	9,140	58,620	21,830	47,000	6,710	5,680	4,650	3,980	3,770	3,470

YEAR OR PERIOD MEAN 247
ACRE-FEET 178,700

STATION NO. F34D-R

DAILY DISCHARGE in second-feet of LOS ANGELES RIVER BELOW FIRESTONE BLVD. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	60.7	58.1	45	52.8	536	278	172	114	E 65.5	40.3	51.2	37.2
2	60.1	52.8	43.4	49.7	345	5,200	161	110	E 65.5	38.8	52.8	48.1
3	63.7	61.9	41.9	43.4	252	1,940	152	101	E 63.7	40.3	45	48.1
4	65.5	60.1	46.6	40.3	190	471	129	92	E 56.4	41.9	49.7	48.1
5	69.2	60.1	48.1	52.8	147	1,820	110	85.7	54.6	38.8	54.6	45
6	67.4	60.1	46.6	56.4	101	3,980	105	85.7	54.6	38.8	63.7	41.9
7	61.9	146	45	138	79.4	1,470	107	83.6	54.6	45	63.7	34.9
8	63.7	829	46.6	71.3	94.2	1,180	110	75.2	49.7	49.7	63.7	38.8
9	61.9	103	46.6	6,000	101	909	116	96.4	52.8	52.8	63.7	45
10	63.7	60.1	45	915	87.8	931	103	139	54.6	38.8	61.9	45
11	61.9	63.7	43.4	3,590	89.9	745	83.6	87.8	49.7	56.4	65.5	43.4
12	63.7	63.7	41.9	1,200	87.8	705	61.9	54.6	52.8	40.3	65.5	41.9
13	60.1	63.7	45	562	4,430	645	60.1	52.8	56.4	37.2	63.7	37.2
14	54.6	52.8	46.6	909	7,800	231	61.9	56.4	52.8	40.3	63.7	32.5
15	63.7	37.2	46.6	393	12,700	206	71	67.4	36	45	60.1	31.3
16	67.4	31.3	46.6	235	21,500	199	79.4	67.4	37.2	43.4	46.6	38.8
17	61.9	60.2	49.7	224	16,800	193	79.4	69.2	40.3	41.9	45	40.3
18	58.3	49.7	48.1	220	11,600	1,240	79.4	112	38.8	41.9	45	43.4
19	79.2	32.5	41.9	181	11,200	522	79.4	131	38.8	40.3	46.6	45
20	638	30.2	46.6	147	6,720	387	77.3	89.9	33.7	37.2	49.7	43.4
21	213	40.3	117	126	5,530	523	71	116	37.2	41.9	49.7	43.4
22	87.8	37.2	73.1	114	3,000	358	266	124	38.8	51.2	48.1	37.2
23	71.3	34.9	43.4	101	2,090	260	131	96.4	43.4	49.7	51.2	43.4
24	63.7	38.8	648	85.7	1,470	224	85.7	79.4	34.9	46.6	45	46.6
25	228	38.8	554	75.2	1,020	452	58.3	71	46.6	43.4	43.4	46.6
26	278	48.1	63.7	79.4	725	918	51.2	65.5	52.8	48.1	49.7	46.6
27	105	56.4	48.1	80.5	583	293	48.1	E 67.4	51.2	48.1	52.8	46.6
28	65.5	34.9	52.8	2,990	403	269	175	E 75.2	52.8	51.2	49.7	41.9
29	54.6	43.4	51.2	9,070	309	244	312	E 73.1	51.2	63.7	51.2	43.4
30	56.4	48.1	49.7	825		187	126	E 75.2	43.4	63.7	45	51.2
31	63.7		49.7	665		175		73.1		48.1	37.2	
MEAN	101	79.9	85.9	945	3,790	876	111	86.7	48.7	45.3	53	42.5
	6,220	4,750	5,280	58,100	218,200	53,860	6,590	5,330	2,900	2,790	3,260	2,530

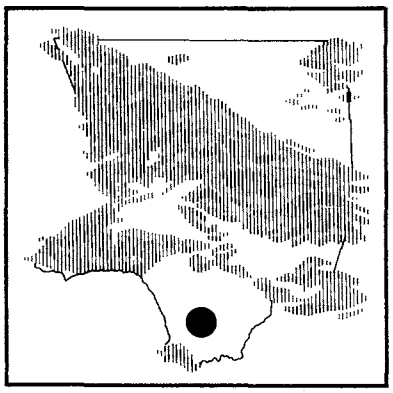
YEAR OR PERIOD MEAN 522
ACRE-FEET 369,800

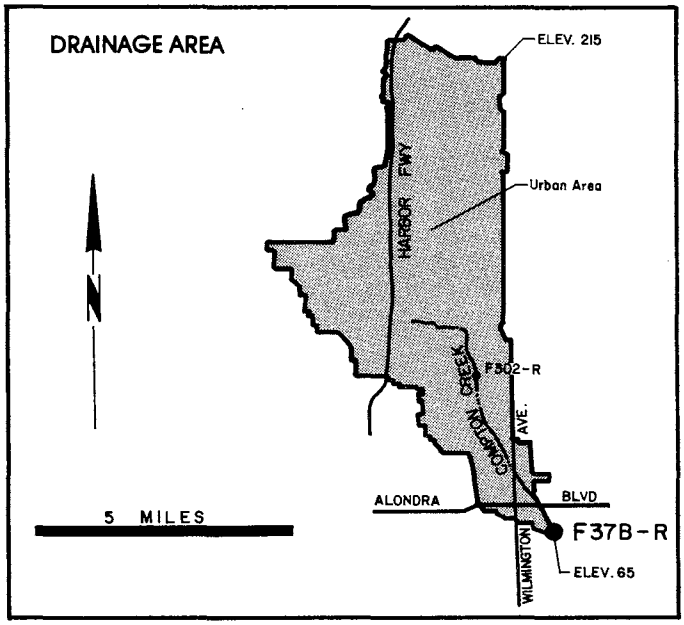
STA. NO. F34D-R
LOS ANGELES RIVER BELOW FIRESTONE BOULEVARD

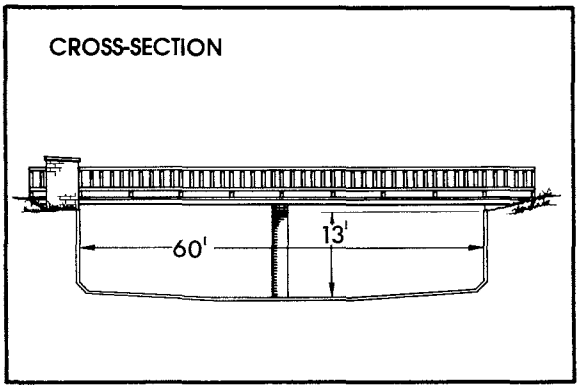
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1927-28	*	0	*	6990*	2	4	1120*
1928-29	775	0	13.6	9830	11	14	2010
1929-30	813	0	13.4	9730	3	15	2210
1930-31	1560	1.4	18.6	13450	2	4	4360
1931-32	2650	0.4	35.3	25620	2	8	4780
1932-33	2900	0	23.5	17020	1	19	7070
1933-34	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	278.0	201300	3	2	79000
1938-39	5090E	0	108.0	78440	9	25	10800
1939-40C	2410	14E	80.5	58420	1	8	7610
1940-41	7580	10	345.0	249500	2	20	14800
1941-42	2030	27	97.8	70820	12	10	8210
1942-43	10700	18	268.0	193700	1	23	27500
1943-44	13000	38	249.0	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	249.0	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	191.0	138400	2	19	34100
1958-59	4660	5.9	51.4	37210	1	6	24200
1959-60	2090	4	43.6	31610	1	12	10700
1960-61	2230	4.5	32.6	23600	11	5	7810
1961-62	9630	3.8	170.0	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	209.0	151200	12	29	37000
1966-67	10000	6	159.0	114800	11	7	37100
1967-68	9410	13	116.0	84240	3	8	37400
1968-69	31800	12	541.0	391800	1	25	58000
1969-70	4250	13	90.4	65440	2	28	20900
1970-71	16700	11	162.0	117300	11	29	49800
1971-72	6980	14	86.6	62890	12	24	27400
1972-73	14470	13	221.0	160300	1	18	49020
1973-74	15690	10.6	157.0	113600	1	7	32300
1974-75	8480	9	119.0	86470	12	4	53950
1975-76	3390	6	68.0	48400	9	10	8160E
1976-77	5550	5.4	115.0	83300	1	3	30900
1977-78	73000	7.8	740.2	536000	3	4	73400
1978-79	*	*	*	*			*
1979-80	21500	30.2	522.1	369810	2	16	74400

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

COMPTON CREEK
near Greenleaf Drive
STATION NO. F37B-R







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 south west 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

STATION NO. F37B-R

DAILY DISCHARGE in second-feet of COMPTON CREEK NEAR GREENLEAF DRIVE FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.1	0.4	0.4	0.3	0.1	403	20.2	0.9	0.6	2.3	0.9	0.9
2	0.2	0.3	0.3	0.1	0.3	167	0.6	0.4	0.4	1.9	0.9	0.9
3	0.4	0.1	0.3	24.6	0.3	22.7	0.3	0.4	0.3	1.9	0.9	0.7
4	0.1	0.4	0.3	217	0.3	688	44	0.4	0.4	1.9	0.6	0.6
5	0.1	9.5	0.4	9.7	358	100	2.3	0.4	0.3	1.9	0.7	45.2
6	0.1	1.6	0.6	182	64.4	1.9	24.2	0.4	0.7	1.9	0.7	6.6
7	0.1	0.3	0.4	3.6	238	0.6	24.1	0.3	0.4	1.2	0.6	0.7
8	0.2	0.1	0.4	0.6	169	0.4	0.6	0.4	0.4	1.9	0.9	0.7
9	0.1	0.3	0.4	238	374	20.5	0.4	0.3	0.4	2.3	0.9	0.4
10	0.1	0	0.4	156	287	3.3	0.3	0.4	0.4	1.9	1.2	0.4
11	0.1	0	0.6	7.4	1.6	4.3	0.3	0.4	0.7	2.3	1.2	0.4
12	0.1	0.1	0.6	1.6	216	7.3	0.3	0.3	0.4	1.9	0.9	0.6
13	0.1	0.3	0.6	0.6	84.7	0.6	0.3	0.3	0.6	1.6	0.4	0.7
14	0.1	0.1	0.3	384	2.9	0.3	0.3	0.4	0.4	0.7	0.4	0.6
15	0	0.3	0.4	133	0.4	0.3	101	0.6	0.6	0.9	0.6	0.4
16	0.1	0.3	0.1	391	0.4	0.3	8.8	0.4	0.4	1.6	0.6	0.4
17	0.1	0.1	119	11.2	0.3	0.3	0.6	0.4	0.4	1.2	0.4	0.4
18	0.1	0.3	48.9	0.7	0.4	0.4	0.4	0.3	0.4	2.6	0.4	0.3
19	0.1	0.3	0.7	55	0.3	0.6	0.4	0.3	0.3	1.9	0.4	0.1
20	0.1	0.3	0.1	1.2	0.1	0.4	0.3	0.3	0.3	2.3	0.4	0.3
21	0.1	0.1	0	0.6	0.3	0.9	0.3	0.6	0.6	2.6	0.4	0.4
22	0.1	0.1	1.2	0.6	0.3	135	0.3	0.7	0.7	2.9	0.7	0.4
23	0.4	0.3	20.9	0.4	0.1	1.9	0.3	0.6	0.6	3.3	0.4	0.6
24	0.3	0.3	4.7	0.3	0.3	0.4	0.1	0.4	0.6	2.3	0.4	0.6
25	0.4	0.3	42.1	0	0.3	0.3	2.6	0.4	0.6	0.9	0.6	0.7
26	0.4	0.4	383	0	0.1	0.3	1.9	0.4	0.6	0.4	0.7	1.2
27	0.6	0.4	46	0.1	10.5	0.3	0.4	0.4	0.7	0.6	0.6	1.2
28	0.5	0.4	324	0.3	536	0.3	0.4	0.4	0.7	1.2	0.4	1.2
29	0.4	0.3	30.8	0.3		0.3	0.4	0.3	0.7	0.7	0.7	0.9
30	0.3	0.4	2.9	0.3		16.3	0.4	0.3	0.7	0.6	0.9	0.9
31	0.4		0.7	0.3		87.5		0.4		0.4	0.9	
MEAN	0.2	0.6	33.3	58.7	83.8	53.7	7.9	0.4	0.5	1.7	0.7	2.3
	12.5	35.9	2,050	3,610	4,650	3,300	470	25.6	30.3	103	41.1	138

YEAR OR PERIOD MEAN 20.3
ACRE-FEET 14,470

STATION NO. F378-R

DAILY DISCHARGE in second-feet of COMPTON CREEK NEAR GREENLEAF DRIVE FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.9	0.6	0.4	0.6	69.7	64.4	0.1	0.4	0.7	0.8	0.7	0.7
2	0.7	0.6	0.3	0.4	215	2.6	0.1	0.4	0.9	0.6	0.7	0.7
3	0.7	0.7	0.1	0.4	7.5	0.6	0.3	0.6	0.9	0.6	0.7	0.9
4	1.2	0.4	0.1	0.7	0.9	0.4	0.3	0.4	0.6	0.6	0.7	1.2
5	1.2	0.7	0.1	456	0.6	0.4	0.3	0.4	0.7	0.6	1.6	0.7
6	2.3	0.6	+	56.4	0.6	0.3	0.3	0.6	0.6	0.7	0.9	0.7
7	2.6	0.6	0.1	2.6	0.6	0.4	0.3	0.4	0.7	0.7	0.7	0.7
8	2.6	0.4	+	1.9	0.4	0.4	0.4	0.4	0.6	0.6	0.7	0.7
9	2.6	0.4	+	33	0.4	0.4	0.4	0.3	0.4	0.7	0.9	0.9
10	2.6	6.6	+	2.9	0.6	0.4	0.3	0.3	0.4	0.7	0.9	0.9
11	0.9	84.2	0.3	0.9	0.6	0.4	0.3	0.4	0.7	0.7	0.7	1.2
12	0.9	10	0.6	0.6	0.6	0.4	0.3	0.6	0.7	0.7	0.7	0.9
13	0.7	43.5	0.6	0.4	4.1	102	0.4	0.6	0.9	0.7	1.2	0.9
14	0.6	2.3	0.6	20	121	3.3	0.3	0.6	0.7	0.7	0.7	0.7
15	0.6	0.3	0.6	281	1.6	0.7	0.3	0.6	0.7	0.6	0.6	0.7
16	0.4	0.3	0.6	104	0.6	1.6	0.4	0.7	0.7	0.4	0.6	0.9
17	0.4	0	55.3	3.3	0.6	105	0.3	0.6	0.7	0.6	0.7	0.7
18	0.6	0.1	110	53.8	0.7	14.8	0.6	0.6	0.4	2.3	0.9	0.7
19	0.6	0.1	28.1	2.3	0.7	138	0.3	0.6	0.6	2.3	1.2	0.7
20	1.9	0.3	1.6	0.6	11.5	44.4	0.4	0.6	0.6	0.9	0.7	0.7
21	0.9	128	0.4	0.6	199	3.6	0.4	0.6	0.6	0.7	0.7	1.2
22	0.6	42.7	0.3	0.6	4.3	0.6	0.6	0.6	0.6	0.6	0.7	0.9
23	0.4	2.9	0.3	0.4	98.6	0.6	0.6	0.6	0.6	0.4	0.7	0.9
24	0.4	0.6	0.3	0.6	0.9	0.3	0.6	0.7	0.6	0.4	0.7	0.7
25	0.6	0.6	0.6	0.4	0.6	0.3	0.7	0.7	0.6	0.6	0.7	0.7
26	0.4	0.4	0.4	0.3	0.4	0.3	0.6	0.6	0.7	0.7	0.6	0.9
27	0.6	0.4	0.4	0.3	0.4	511	0.4	0.6	0.7	0.7	0.6	0.6
28	0.6	0.3	0.4	0.6	0.4	134	0.6	0.4	0.7	0.7	0.9	0.6
29	0.6	0.3	0.4	0.3		74	0.6	0.4	0.7	0.6	0.9	0.7
30	0.6	0.3	0.4	559		1.2	0.6	0.7	0.7	0.7	0.6	0.6
31	0.7		0.6	266		0.4		0.9		0.9	0.6	
MEAN	1.0	11	6.6	59.7	26.5	38.9	0.4	0.5	0.7	0.8	0.8	0.8
	62.3	653	404	3,670	1,470	2,390	24	33.5	39.1	46.2	48	47.6

YEAR OR PERIOD MEAN 12.3
ACRE-FEET 8,890

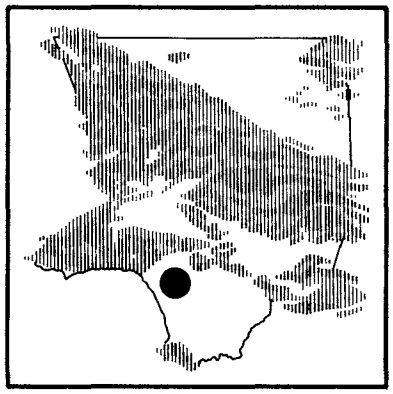
RECORDS INCOMPLETE 1980

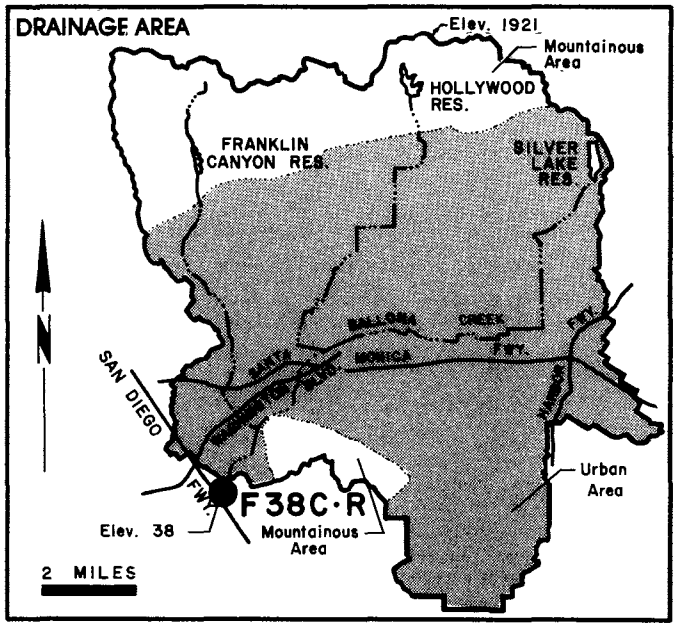
STA. NO. F37B-R
COMPTON CREEK NEAR GREENLEAF DRIVE

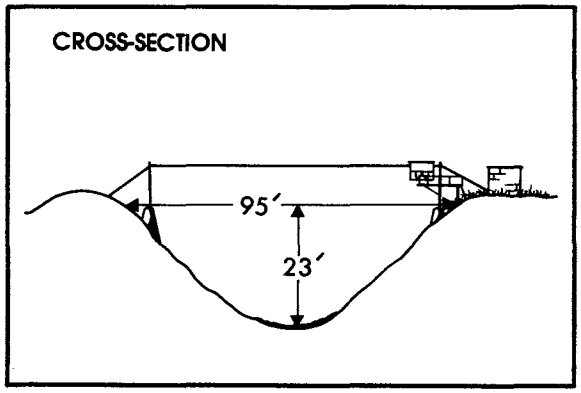
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1927-28	*	0	*	1230*	3	5	240*
1928-29	197	0	3.1	2270	3	10	924
1929-30	144	0	3.5	2520	3	14	580
1930-31	137	+	3.3	2400	4	26	678
1931-32	248	0	4.4	3220	1	31	757
1932-33	166	0	2.4	1780	1	19	740
1933-34	372	0	3.5	2560	1	1	960
1934-35	301	0	5.7	4170	4	8	850
1935-36	143	0	4.0	2920	2	12	824
1936-37	559	0	*	*	2	6	1220
1937-38	986E	*	*	*	3	2	N.D.
1938-39B	837	0	7.1	5150	9	25	2150
1939-40	256	10	7.4	5340	2	3	1630
1940-41	544	1	22.7	16400	12	23	2660
1941-42	236	3	10.1	7280	12	10	1730
1942-43	752	0.8	11.8	8560	1	22	2050
1943-44	739	2.3	15.6	11290	2	20	2370
1944-45	363	4.4	12.7	9210	11	11	3010
1945-46	362	2.6	11.0	7960	12	23	2010
1946-47	474	4.1	13.9	10080	11	23	2930
1947-48	170	0.6	7.9	5740	3	24	1410
1948-49	282	0.1	5.1	3660	12	17	2710
1949-50	433	+	6.6	4820	2	6	2830
1950-51	209	+	4.9	3550	1	10	1790
1951-52	661	0.1	14.7	10650	1	18	3220E
1952-53	220	0.1	5.6	4020	11	15	2380
1953-54	797	0.1	7.5	5410	2	13	3600
1954-55	374	0.1	8.4	6080	1	18	2710
1955-56	2090	0.2	12.7	9240	1	26	4910
1956-57	286	+	5.6	4070	5	11	1780
1957-58	1100	+	16.0	11610	2	19	4640
1958-59	449	0	4.6	3330	1	6	4320
1959-60	463	0	6.3	4590	1	11	3220
1960-61	204	+	2.7	1960	11	5	1640
1961-62	1060	0.1	14.5	10520	2	19	4550
1962-63	576	+	8.8	6400	2	10	3310
1963-64	212	+	4.7	3440	11	6	2430
1964-65	424	0	7.4	5390	4	9	2630
1965-66	809	+	10.8	7800	12	29	3250
1966-67	765	+	11.8	8560	11	7	4650
1967-68	1120	+	9.4	6850	3	7	3690
1968-69	1040	0	16.6	12010	1	20	5890
1969-70	275	0.2	4.4	3150	1	16	1960
1970-71	609	0.4	11.7	8500	11	29	2930
1971-72	622	0.4	6.8	4940	12	27	6000
1972-73	473	0.2	12.2	8830	11	14	4300
1973-74	810	0.3	10.0	7210	1	4	3140
1974-75	677	0.2	9.1	6550	12	4	8690
1975-76	285	0.1	4.6	3270	2	9	2470
1976-77	542	0	7.2	5220	8	17	1970
1977-78	688	0	20.0	14471	3	1	3620
1978-79	559	+	12.3	8888	3	27	2410
1979-80	*	*	*	*	2	16	4780

B = RECORD BEGAN AT B LOCATION 10-03-38.
E = ESTIMATE
N.D. = NOT DETERMINED
* = RECORD INCOMPLETE
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

BALLONA CREEK
above Sawtelle Boulevard
STATION NO. F38C-R







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.

STATION NO. F38C-R

DAILY DISCHARGE in second-feet of BALLONA CREEK ABOVE SAWTELLE BLVD. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	6.2	6.2	7.0	9.4	9.4	2,770	54	22	13	17	27	11.2
2	6.2	5.4	7.6	8.2	8.8	993	15	14	13	14	17	12.4
3	6.2	5.4	6.6	208	8.8	280	12.4	15	12.4	17	19	11.8
4	6.2	7.6	6.2	1,080	8.8	4,440	219	16	11.8	16	18	12.4
5	6.2	45	7.0	16	1,070	708	22	16	13	15	21	202
6	6.6	7.6	6.6	661	262	108	230	21	12.4	16	20	25.6
7	6.2	7.0	6.2	10.6	708	84	63	12.4	13	16	12.4	10.6
8	7.0	5.8	5.8	8.2	858	68	17	14	14	15	11.8	11.8
9	6.6	5.0	5.8	858	1,920	116	14	13	14	14	E 8.8	11.8
10	6.6	5.0	5.8	1,270	2,230	45	13	13	13	13	10.6	11.8
11	7.0	4.6	5.8	16	45	76	13	13	11.8	14	11.2	12.4
12	7.0	5.0	7.0	10.6	1,030	41	12.4	13	11.8	12.4	11.2	12.4
13	7.6	4.2	6.2	9.4	435	30	14	15	11.8	12.4	10.6	14
14	7.6	5.0	6.6	1,800	34	25	15	14	11.8	12.4	10.6	10
15	8.2	5.4	6.2	460	23	23	909	14	11.8	12.4	10.6	11.2
16	7.0	6.2	6.2	2,150	20	22	25	14	11.8	14	13	10.6
17	7.0	6.6	431	45	20	22	18	14	11.8	14	11.8	10.6
18	6.6	7.6	121	14	20	22	21	13	11.8	14	11.8	11.2
19	6.6	6.6	9.4	244	18	22	21	15	11.8	14	11.8	11.8
20	7.0	5.8	10.6	11.2	16	22	22	14	11.8	15	11.2	11.8
21	7.0	5.4	17	9.4	17	85	21	14	13	16	12.4	12.4
22	7.6	5.0	17	8.8	16	758	20	15	16	15	11.8	11.2
23	6.6	5.8	31	9.4	15	20	18	15	15	16	12.4 A	11.8
24	6.6	5.4	10.6	9.4	13	17	19	13	15	17	13 A	11.8
25	6.6	5.0	187	9.4	13	18	140	14	15	17	12.4 A	11.8
26	6.2	7.6	1,240	8.8	72	18	16	14	15	18	12.4	11.2
27	6.6	6.6	356	8.8	52	19	15	14	15	19	11.8	11.8
28	7.0	6.6	1,960	9.4	2,400	19	13	14	14	20	11.8	13
29	7.0	7.6	25	9.4		19	10.6	14	15	20	11.2	14
30	6.2	7.0	17	8.8		157	11.2	13	17	19	11.2	12.4
31	6.2		11.2	11.8		464		13		36	E 11.2	
MEAN	6.7	7.3	147	290	405	371	67.1	14.5	13.3	16.1	13.3	18.6
	415	434	9,030	17,840	22,510	22,840	3,990	889	789	993	815	1,110

YEAR OR PERIOD MEAN 114
ACRE-FEET 81,660

STATION NO. F38C-R

DAILY DISCHARGE in second-feet of BALLONA CREEK ABOVE SAWTELLE BLVD. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	11.8	11.2	10.6	11.2	223	556	11.8	11.2	15	13	11.8	11.2
2	13	13	8.8	12.4	881	13	11.8	11.8	15	12.4	11.8	11.2
3	12.4	12.4	8.8	12.4	31.8	11.8	11.8	11.8	15	12.4	12.4	12.4
4	12.4	12.4	8.2	12.4	20	12.4	11.2	11.8	15	13	10.6	12.4
5	12.4	12.4	8.8	1,750	19	12.4	11.2	11.8	13	12.4	11.2	11.8
6	11.8	13	8.2	111	18	12.4	11.8	11.8	14	12.4	11.2	12.4
7	11.8	12.4	7.6	11.2	18	12.4	11.8	11.8	12.4	11.8	11.2	11.8
8	11.2	11.2	8.2	11.2	16	12.4	11.8	11.8	14	11.8	10.6	11.2
9	12.4	10.6	7.6	97.3	14	12.4	12.4	12.4	13	11.8	11.2	11.2
10	12.4	156	7.0	10.6	13	11.8	14	12.4	13	11.8	11.2	11.8
11	12.4	327	8.2	10	11.8	11.8	12.4	13	14	11.8	11.2	12.4
12	11.8	19.6	7.6	10	13	12.4	13	12.4	14	11.2	11.2	12.4
13	11.8	134	7.0	8.8	48.7	291	13	12.4	14	11.8	12.4	13
14	11.8	10.6	6.6	94.3	256	17.8	13	17	14	10	12.4	14
15	11.2	8.8	7.6	1,360	10.6	13	13	17	14	9.4	12.4	14
16	11.8	8.8	7.6	853	10	12.4	13	16	13	11.8	11.8	14
17	11.8	8.2	219	36.3	10.6	574	13	16	13	12.4	12.4	14
18	11.8	7.6	842	191	10	256	13	17	12.4	12.4	11.8	14
19	11.8	7.0	178	13	12.4	531	13	16	12.4	11.8	11.8	14
20	32.5	8.2	9.4	11.2	202	188	14	16	12.4	10.6	13	15
21	10	680	11.2	10.6	1,030	12.4	15	16	12.4	10.6	13	15
22	10.6	207	11.2	10	28.4	13	14	16	13	10	14	15
23	10	9.4	10.6	10	421	10.6	15	16	12.4	10.6	15	14
24	10	8.8	10	10.6	12.4	10.6	16	18	12.4	10.6	14	16
25	9.4	8.2	9.4	10.6	10.6	10	15	18	12.4	10.6	12.4	16
26	10	8.8	10	10	10.6	11.8	15	17	12.4	11.2	11.2	16
27	10.6	8.8	11.2	9.4	11.2	2,220	15	17	13	11.2	12.4	16
28	9.4	9.4	10.6	10	10	577	14	17	13	10.6	13	17
29	10	10	11.8	10		382	15	17	13	10.6	11.8	18.9
30	10.6	10	11.8	1,220		15	12.4	16	13	11.8	11.8	13
31	10.6		11.8	839		13		15		11.8	11.8	
MEAN	12	58.8	48.3	219	120	189	13.2	14.7	13.3	11.5	12.1	13.7
	737	3,500	2,970	13,440	6,690	11,600	786	901	793	705	742	815

YEAR OR PERIOD MEAN 60.5
ACRE-FEET 43,680

STATION NO. F38C-R

DAILY DISCHARGE in second-feet of BALLONA CREEK ABOVE SAWTELLE BLVD. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	13	10	11.2	9.4	7.0	42.8	13	17	15	18	22	13
2	12.4	10.6	11.2	10	6.6	2,530	11.2	17	16	16	21	14
3	12.4	10.6	11.2	11.2	6.6	843	12.4	17	15	15	21	15
4	11.2	9.4	10.6	10.6	7.0	55	14	17	17	13	21	15
5	10.6	10.6	10.6	10.6	7.0	548	19	17	17	13	20	16
6	11.2	12.4	11.8	10	6.6	520	23	18	16	14	27.4	16
7	9.4	122	13	50.8	6.6	55	22	18	16	16	23	14
8	11.2	89.9	13	69.5	6.6	47.5	22	19	15	17	23	13
9	13	10	11.8	2,210	6.2	40.6	23	93.4	16	20	22	17
10	11.8	7.0	12.4	544	6.2	47.5	20	15	15	20	23	19
11	11.8	7.6	12.4	1,300	7.6	36.2	27.4	15	14	17	29.6	21
12	11.2	7.6	11.2	291	7.6	34	20	14	12.4	15	25.2	22
13	11.2	8.2	10	170	1,270	38.4	20	14	13	13	25.2	22
14	10	7.0	10	115	1,680	31.8	20	14	12.4	18	25.2	18
15	10.6	7.0	10	14	4,060	29.6	19	14	14	18	23	19
16	11.2	7.6	10.6	24.1	4,630	36.2	18	12.4	19	18	17	21
17	10.6	11.2	11.2	14	1,540	34	20	11.8	19	17	14	23
18	10	10	11.8	15	2,590	206	20	11.8	15	17	15	27.4
19	12.4	10	11.8	10.6	1,310	25.2	20	13	14	16	12.4	23
20	507	10	12.4	11.2	1,180	21	17	12.4	16	18	11.2	17
21	12.4	10	41.1	10	316	23	17	16	16	17	11.2	16
22	11.8	9.4	8.8	10.6	101	47.5	17	14	17	17	11.8	16
23	11.2	9.4	8.8	10	84	47.5	17	14	18	18	11.8	16
24	10.6	10.6	380	9.4	70	47.5	17	15	18	19	11.8	16
25	10.6	10.6	65.3	8.8	67.5	479	14	15	19	19	13	17
26	10	11.2	8.8	8.8	65	47.5	17	15	20	16	13	17
27	9.4	10.6	8.8	8.2	60	20	17	17	21	18	12.4	15
28	10	10.6	9.4	8.2	52.5	20	17	16	20	18	11.2	15
29	10	11.8	9.4	7.6	50	20	17	17	18	17	12.4	16
30	9.4	11.8	9.4	10.6		16	17	17	18	20	14	17
31	9.4		10	9.4		14		17		16	13	
MEAN	27	16.2	25.4	161	662	194	18.3	17.9	16.4	16.9	18	17.5
	1,660	961	1,560	9,920	38,100	11,910	1,090	1,100	975	1,040	1,100	1,040

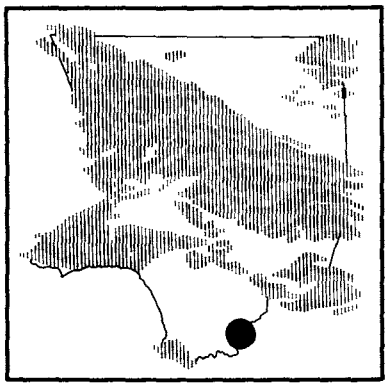
YEAR OR PERIOD MEAN 99.2
ACRE-FEET 70,460

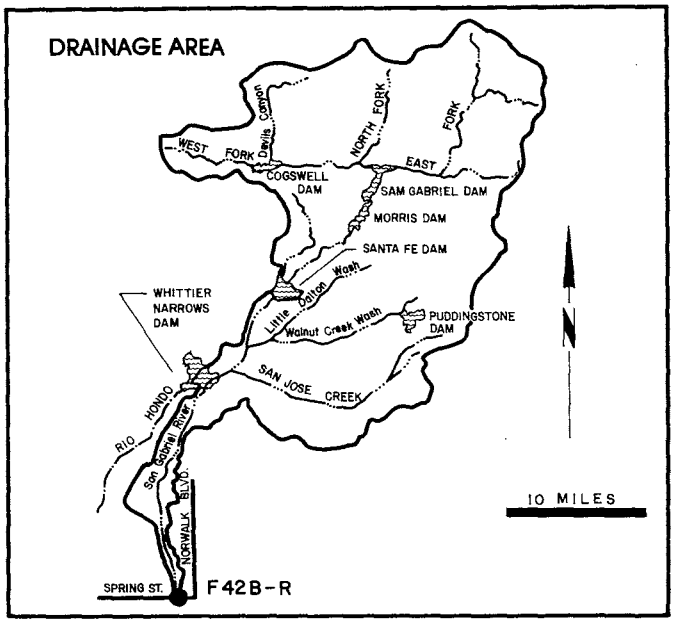
STA. NO. F38C-R
BALLONA CREEK ABOVE SANTELLE BOULEVARD

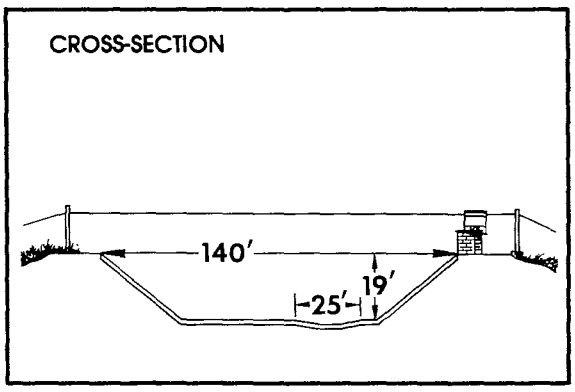
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1927-28	N.D.	0	N.D.	3930	5	8	1100
1928-29	1150	0	20.6	14900	3	10	4990
1929-30	1130	0	18.6	13480	1	11	4460
1930-31	1500	0	25.6	18520	4	26	6280
1931-32	1780	0	30.0	21790	12	28	6130
1932-33	1660	0	21.8	15810	1	19	7000
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	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	101.0	73060	1	25	17000
1969-70	1380	7.6	30.7	22230	2	28	1380
1970-71	3170	8.8	50.8	35620	11	29	14600
1971-72	1900	7.6	31.3	22700	12	24	11100
1972-73	2590	8.8	65.9	47730	1	16	17600
1973-74	3510	8.8	56.8	41060	1	7	11000
1974-75	2490	6.2	47.8	34590	12	4	20560
1975-76	1390	6.2	30.6	22230	9	10	12940
1976-77	1760	4.6	38.6	27930	10	23	10173
1977-78	4441	4.2	112.8	81659	2	10	28088
1978-79	2220	6.6	60.3	43680	3	27	9710
1979-80	4630	6.2	99.2	70454	2	15	27000

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

SAN GABRIEL RIVER
above Spring Street
STATION NO. F42B-R







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 Grabriel, 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, trapizoidal 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.

RECORDS INCOMPLETE 1978

RECORDS INCOMPLETE 1979

STATION NO. F42B-R

DAILY DISCHARGE in second-feet of SAN GABRIEL RIVER ABOVE SPRING ST. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	21.7	38	30.7	59.8	97.6	190	70.9	82.9	A 37.3	50.1	26.6	24.1
2	39.5	34.3	21.2	59.8	76.2	549	74.7	71.6	A 36.5	36	23.5	25.7
3	45.1	37.2	22.3	54.1	70	1,110	70	84	A 35	42.9	23.4	26.4
4	32.9	41	24.2	24.8	64.9	2,270	70.6	81.3	A 34.3	42.1	26.7	25.4
5	35	35.7	44.2	26.7	64.9	2,810	69.8	90.6	A 32.9	26	36.8	25.1
6	39.5	32.2	22.3	24.8	64.9	3,180	60.4	96.7	A 32.2	28.3	50.4	23.4
7	27.3	54.2	38.7	54.1	64.9	2,680	71.5	100	A 31.5	30.4	45.3	24.2
8	21.2	53.1	23.6	77.3	63.9	2,660	76.9	97.9	A 30	33.9	51.6	43.1
9	22.9	35	22.3	616	62.8	2,390	71.9	A 100	A 28.6	46.3	66.9	25.8
10	35.7	47.7	24.2	108	61.8	1,950	87.8	A 92.4	A 30	30.1	58.8	25.7
11	22.9	30.7	24.8	449	62.8	856	75.8	A 86.3	A 31.5	37.8	58.7	24.9
12	22.3	32.2	24.2	211	63.9	605	74.7	A 78.4	A 33.6	41.9	61.3	24.3
13	20.6	41	27.3	143	366	171	65.3	A 74.2	A 35.8	28.9	67.1	23.1
14	20.1	41	32.2	148	2,600	197	70.2	A 67.9	A 37.3	29.6	67.8	23.7
15	35	50.3	27.9	104	624	264	72.9	A 63.9	A 40.3	37.6	74.8	24.7
16	42.5	48.6	25.4	85.9	2,350	261	76.8	A 61.8	A 43.4	54.4	67.9	23.8
17	48.6	32.9	27.3	63.9	7,970	237	83.4	A 56	A 45.1	34.6	71.8	25.4
18	48.6	20.1	38.7	86.3	8,310	225	81.3	A 53.1	A 47.7	30	64	19.3
19	57.9	26	27.9	60.8	6,500	247	87.2	A 52.2	A 49.5	39.4	65.8	22
20	462	23.6	26.7	55	7,440	116	76.4	A 51.2	A 53.1	30.2	64	20.4
21	62.8	23.6	47.7	57	5,850	105	81.4	A 49.5	65.9	38.7	65.4	21.3
22	49.5	26.7	56	59.8	4,740	81.4	82.3	A 48.6	46.8	47.8	62.9	22
23	35.7	24.8	57	60.8	222	65	86	A 46.9	40.5	41.7	65.1	29.8
24	35.7	23.6	73.1	57.9	161	66.6	81.4	A 45.1	45.8	29.3	65.8	35.4
25	47.7	23.6	59.8	58.9	146	117	80.2	A 44.2	33.9	29.9	70.7	33.4
26	45.1	27.3	43.4	57.9	107	237	80.3	A 43.4	47.7	27.8	72.6	34.1
27	34.3	27.9	26.7	55	83.9	75.9	78	A 42.5	61.5	27.3	71.4	31.6
28	34.3	26.7	24.8	371	86.3	72.4	87.8	A 41	61.9	28.6	58.2	31.3
29	35.7	24.8	39.5	1,340	229	76.9	72.1	A 40.3	33.1	28.4	29.5	32.7
30	37.2	26	51.2	239		65.5	75.1	A 38.8	38.2	29.6	26.7	35.1
31	38.7		56	149		66.6		A 38		29	25.4	
MEAN	50.3	33.7	35.2	161	1,680	774	76.4	65.2	40.7	35.1	54.4	26.9
	3,090	2,000	2,160	9,910	96,400	47,600	4,550	4,010	2,420	2,160	3,350	1,600

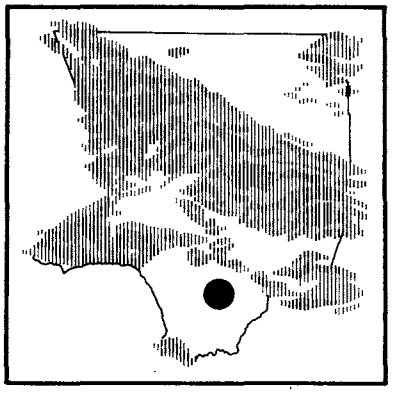
YEAR OR PERIOD MEAN 253
ACRE-FEET 179,300

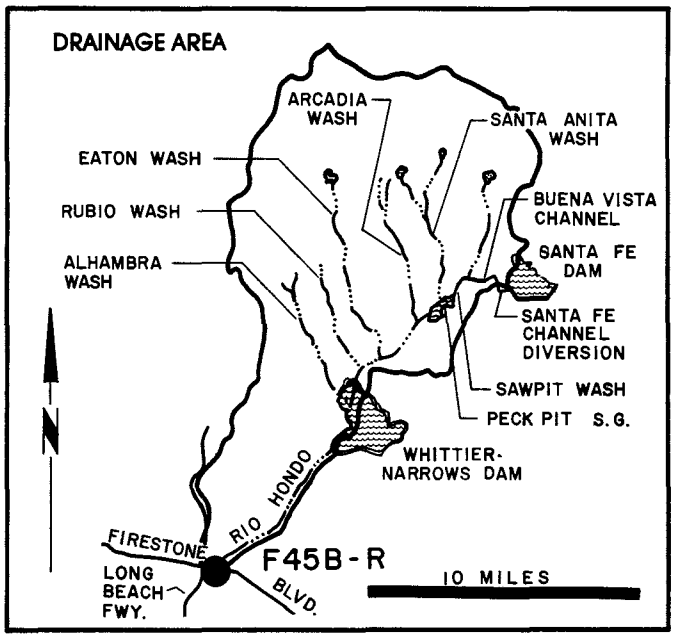
STA. NO. F42B-R
SAN GABRIEL RIVER ABOVE SPRING STREET

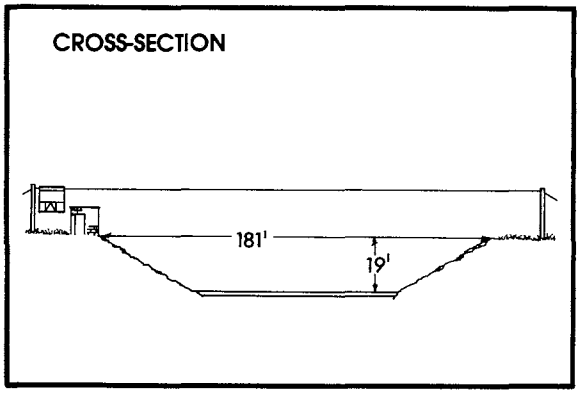
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK MON	PEAK DAY	PEAK CFS
1927-28	0	0	0.0	0			0
1928-29	0	0	0.0	0			0
1929-30	0	0	0.0	0			0
1930-31	0	0	0.0	0			0
1931-32	1270	0	9.0	6560	2	9	4490
1932-33	170	0	1.1	809	1	20	2250
1933-34	4860	0	17.1	12370	1	1	15000
1934-35	463	0	3.3	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	122.0	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	280.0	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	0			0
1948-49	0	0	0.0	0			0
1949-50	0	0	0.0	0			0
1950-51	0	0	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	615	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	+	286.0	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	39900	12	24	8580
1972-73	2710	10.6	70.6	51100	1	16	5680
1973-74	3730	10.6	63.9	46220	1	4	6090
1974-75	2190	6.1	48.1	34850	12	4	7190
1975-76	660	12.6	50.5	36640	9	10	3890
1976-77	816	20	54.7	39600	1	3	4460
1977-78	*	*	*	*			*
1978-79	*	*	*	*			*
1979-80	8310	19.3	252.7	179251	2	14	11000

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

RIO HONDO
above Stewart and Gray Road
STATION NO. F45B-R







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. trapizodal 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.

STATION NO. F45B-R

DAILY DISCHARGE in second-feet of RIO HONDO ABOVE STEWART AND GRAY ROAD — FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.5	0.1	1.0	0.1	1.4	12,200	102	2.0	0.5	3.2	1.2	0.7
2	0.3	0.1	1.2	0.1	1.2	7,470	1.6	1.4	0.3	3.2	1.2	0.7
3	0.1	0.1	1.0	9.5	1.0	4,340	1.4	1.0	0.1	2.6	1.2	0.7
4	0.1	1.2	0.9	1,070	1.2	13,800	179	1.0	0.1	2.6	1.4	0.5
5	0.3	0.3	1.4	37.4	148	13,500	1.8	1.0	0.1	2.0	1.4	48.3
6	0.3	0.1	1.2	89.5	35.8	6,040	43.6	0.9	0.1	2.6	1.4	11.1
7	0.3	0.1	1.6	3.2	156	3,190	466	0.7	0.1	2.0	1.4	1.8
8	0.3	0.5	1.2	1.4	177	717	75.7	0.5	0	2.0	1.4	1.6
9	0.1	0.7	0.9	125	7,350	303	23.3	0.1	0	2.0	1.6	1.4
10	0.3	0.1	0.9	1,350	5,740	189	1.8	0.1	0	2.0	1.4	1.2
11	0.7	0.5	1.0	10.5	39.9	122	1.0	0.1	0	2.0	1.4	1.0
12	0.3	0.7	0.9	2.0	2,410	25.4	1.0	0.1	0.7	1.8	1.6	0.9
13	0.5	0.7	0.9	1.4	907	88	0.9	0	3.2	1.6	1.6	0.9
14	0.5	0.3	0.9	647	7.6	21.2	0.7	0	2.6	1.8	.6	0.7
15	0.3	0.3	1.0	2,350	4.5	2.0	979	0	2.6	1.8	1.6	0.7
16	0.7	0.5	0.9	3,010	3.2	2.0	119	0	3.2	1.6	1.6	0.7
17	0.5	0.5	64.9	228	1.6	1.6	1.8	0	2.6	1.4	1.6	0.5
18	0.5	0.9	43.4	5.1	1.6	1.6	1.6	0	3.2	1.6	1.8	0.5
19	0.5	0.7	0.7	58.1	1.4	1.6	1.6	0	2.6	1.6	1.8	0.3
20	0.7	0.1	0.1	3.2	1.2	1.6	1.8	0	3.9	1.6	2.0	1.2
21	0.1	0.3	1.9	1.6	1.2	64.4	66.8	0	3.2	1.4	1.8	2.0
22	0.5	0.7	1.0	1.6	1.4	747	198	0.1	3.2	1.4	2.0	1.8
23	0.3	0.5	0.9	3.9	1.4	4.5	9.5	0.3	2.6	1.4	2.0	1.6
24	0.5	0.5	0.7	0.5	1.6	2.6	2.0	0.9	2.0	1.4	1.8	1.6
25	0.5	0.7	25.8	0.3	1.4	1.8	4.5	0.9	1.8	1.4	1.8	1.4
26	0.1	0.7	632	0.9	1.6	1.8	1.4	0.9	1.6	1.2	1.6	1.4
27	0.3	0.9	42.5	1.0	9.5	1.8	1.2	1.0	2.0	1.2	1.4	1.4
28	0.1	1.2	2,950	1.0	2,840	1.8	1.0	0.9	2.6	1.2	1.2	1.6
29	0.1	1.0	1.8	1.2		2.0	0.7	0.9	3.2	1.2	1.4	2.0
30	0.1	1.0	0.3	1.4		77.6	0.3	0.7	3.2	1.0	1.2	2.0
31	0.1		0.5	1.8		417		0.7		1.0	1.0	
MEAN	0.3	0.5	122	291	709	2,040	76.3	0.5	1.7	1.8	1.5	3.1
	20.8	31.7	7,500	17,880	39,370	125,600	4,540	32.1	102	109	94	183

YEAR OR PERIOD — MEAN 271 — ACRE-FEET 195,500

STATION NO. F458-R

DAILY DISCHARGE in second-feet of RIO HONDO ABOVE STEWART AND GRAY ROAD — FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.8	3.9	2.6	1.6	236	66.7	33.7	1.2	1.2	1.0	1.4	1.8
2	1.8	3.9	4.5	1.2	370	2.0	6.3	1.2	1.0	0.9	1.6	1.8
3	1.6	7.0	3.9	5.3	81.5	1.6	1.6	1.6	1.2	1.0	1.6	1.4
4	2.5	2.0	3.2	1.4	5.1	1.6	1.4	1.2	1.2	2.0	1.6	1.6
5	2.9	1.8	3.2	296	4.5	0.9	1.2	1.2	1.2	1.8	1.8	1.8
6	2.6	1.8	2.6	430	3.9	1.0	3.2	1.2	1.4	1.4	1.8	1.8
7	2.0	1.8	2.0	2.6	3.2	0.5	1.8	1.0	1.2	1.8	1.4	1.8
8	2.0	1.8	2.0	3.2	2.6	1.4	1.6	1.2	0.9	1.8	1.6	1.8
9	1.8	1.6	1.8	21.4	2.0	1.6	1.6	1.2	1.0	1.6	1.6	1.8
10	2.0	14	1.6	7.0	2.0	1.4	1.0	1.2	1.0	1.8	1.6	2.0
11	3.2	122	1.6	6.3	1.8	1.6	1.2	1.0	1.0	1.8	1.8	1.4
12	2.6	13.6	1.6	4.5	1.6	1.6	1.4	1.2	1.2	1.6	2.0	1.6
13	2.0	36.1	1.4	2.6	3.6	49	1.4	1.0	1.4	1.8	1.2	1.6
14	2.0	5.1	1.4	26	46.6	1.8	1.2	1.4	1.2	1.2	1.6	1.8
15	1.8	4.5	1.2	388	5.1	1.2	1.2	1.6	1.0	1.4	1.6	1.8
16	1.8	3.9	2.0	179	4.5	1.2	1.0	1.6	1.0	1.8	1.8	2.0
17	1.6	3.2	161	57.9	3.9	118	1.0	1.4	0.9	1.6	2.0	1.6
18	1.6	3.2	196	59.5	3.9	120	1.2	1.4	0.7	11.8	2.0	1.6
19	1.4	2.6	206	19.9	3.2	761	1.4	1.6	0.9	1.6	1.8	2.6
20	2.6	2.6	120	7.6	11.3	62.5	1.6	1.8	1.0	1.2	1.6	1.8
21	2.6	168	10.2	5.1	892	11.1	1.2	1.2	1.0	1.4	1.2	2.0
22	2.0	41.8	4.5	5.1	21.2	5.7	1.2	1.0	1.0	1.8	2.0	1.8
23	2.0	5.1	3.9	19.2	88.3	3.2	1.0	1.2	1.0	1.8	2.6	1.8
24	1.8	4.5	3.9	10.8	7.0	1.8	1.0	1.2	1.0	1.6	2.0	1.6
25	2.0	4.5	3.2	8.2	6.3	1.6	1.0	1.6	1.2	1.4	1.6	1.8
26	6.3	3.9	3.2	5.7	5.7	1.6	0.9	1.4	1.0	1.6	1.6	3.9
27	11.1	3.9	3.2	3.2	3.2	4,290	0.9	1.4	1.0	1.4	1.4	3.9
28	3.9	3.2	2.6	12.2	1.8	821	1.0	1.2	0.9	1.8	2.0	3.2
29	3.9	2.6	2.6	13.4		66.9	1.2	1.4	1.2	2.0	2.0	2.6
30	3.2	2.6	2.0	882		3.2	1.2	1.4	1.4	1.8	2.0	2.6
31	3.2		2.0	4,600		19.6		1.6		1.6	2.0	
MEAN	2.7	15.9	24.5	229	65.1	207	2.6	1.3	1.1	1.9	1.7	2.0
	166	945	1,510	14,050	3,610	12,740	152	80.9	64.1	117	107	120

YEAR OR PERIOD — MEAN 46.2 — ACRE-FEET 33,660

STATION NO. F458-R

DAILY DISCHARGE in second-feet of RIO HONDO ABOVE STEWART AND GRAY ROAD — FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	2.0	3.9	0.9	0.9	10.4	369	B 3.0	B 3.0	B 2.3	B 1.7	1.0	A 1.4
2	1.8	3.9	1.0	0.7	3.2	2,770	B 3.0	B 3.0	B 2.3	B 1.7	1.0	A 1.4
3	1.8	2.0	0.9	0.9	2.0	2,630	B 3.0	B 3.0	B 2.3	B 1.6	0.8	A 1.4
4	1.6	2.0	0.9	1.6	2.6	679	B 3.0	B 3.0	B 2.3	B 1.6	0.6	A 1.4
5	1.6	4.0	1.0	1.6	2.6	932	B 3.0	B 3.0	B 2.3	B 1.6	0.6	A 1.4
6	1.4	3.9	1.0	1.6	7.0	1,360	B 3.0	B 2.9	B 2.2	B 1.6	0.8	A 1.4
7	1.6	11.2	1.0	8.5	3.2	112	B 3.0	B 2.9	B 2.2	B 1.5	0.8	A 1.4
8	1.6	1.8	1.2	3.2	2.0	104	B 3.0	B 2.9	B 2.2	B 1.5	0.8	A 1.4
9	1.8	1.2	1.2	1,570	1.6	100	B 3.0	B 2.9	B 2.2	B 1.5	0.8	A 1.4
10	2.0	0.7	1.2	142	1.2	92	B 3.0	B 2.8	B 2.2	B 1.5	1.0	A 1.4
11	1.8	0.9	1.0	1,500	0.9	80	B 3.0	B 2.8	B 2.1	B 1.4	0.8	A 1.4
12	1.8	0.7	0.7	58.8	0.5	66	B 3.0	B 2.8	B 2.1	B 1.4	0.8	A 1.4
13	2.0	0.7	0.7	75.7	1,440	57	B 3.0	B 2.8	B 2.1	B 1.4	1.0	A 1.4
14	2.6	0.7	1.4	23.9	6,720	51	B 3.0	B 2.8	B 2.1	B 1.4	1.2	A 1.4
15	2.0	1.2	1.4	4.5	7,230	45	B 3.0	B 2.7	B 2.1	B 1.3	5.1	A 1.4
16	1.4	0.9	1.2	48.5	16,000	42	B 3.0	B 2.7	B 2.0	B 1.3	5.7	A 1.4
17	1.6	1.0	0.9	3.9	7,840	37.8	B 3.0	B 2.7	B 2.0	B 1.3	5.7	A 1.4
18	2.0	1.2	0.9	26.9	10,900	323	B 3.0	B 2.7	B 2.0	B 1.3	A 1.4	A 1.4
19	3.6	1.6	1.4	2.0	7,580	141	B 3.0	B 2.6	B 2.0	B 1.2	A 1.4	A 1.4
20	211	0.5	1.4	1.8	4,470	92	B 3.0	B 2.6	B 1.9	B 1.2	A 1.4	A 1.4
21	13.1	0.5	3.9	1.6	3,660	76	B 3.0	B 2.6	B 1.9	B 1.2	A 1.4	A 1.4
22	2.6	0.7	1.4	1.6	2,970	66	B 3.0	B 2.6	B 1.9	B 1.2	A 1.4	A 1.4
23	1.6	0.9	1.2	1.2	4,460	60	B 3.0	B 2.5	D 1.9	B 1.2	A 1.4	A 1.4
24	1.0	1.4	42.6	1.0	4,880	57	B 3.0	B 2.5	B 1.9	B 1.2	A 1.4	A 1.4
25	3.9	1.2	3.9	1.6	3,200	204	B 3.0	B 2.5	B 1.8	1.0	A 1.4	A 1.4
26	3.9	1.6	1.6	1.2	1,580	530	B 3.0	B 2.5	B 1.8	1.2	A 1.4	A 1.4
27	3.9	1.6	1.6	1.2	3,340	B 11	B 3.0	B 2.5	B 1.8	1.2	A 1.4	A 1.4
28	3.9	1.2	1.4	2,400	428	B 7.0	B 3.0	B 2.4	B 1.8	1.2	A 1.4	A 1.4
29	3.2	1.0	1.2	6,280	76	B 3.0	B 3.0	B 2.4	B 1.7	1.2	A 1.4	A 1.4
30	3.2	1.4	0.9	127		B 3.0	B 3.0	B 2.4	B 1.7	1.0	A 1.4	A 1.4
31	3.9		0.9	3.2		B 3.0		B 2.4		1.0	A 1.4	
MEAN	9.4	1.8	2.6	397	2,990	358	3.0	2.7	2.0	1.3	1.6	1.4
	578	110	162	24,390	172,200	22,020	179	166	121	82.5	95.4	83.3

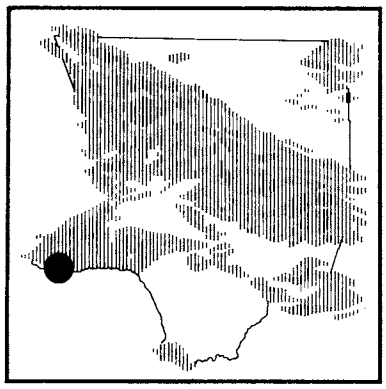
YEAR OR PERIOD — MEAN 314 — ACRE-FEET 220,200

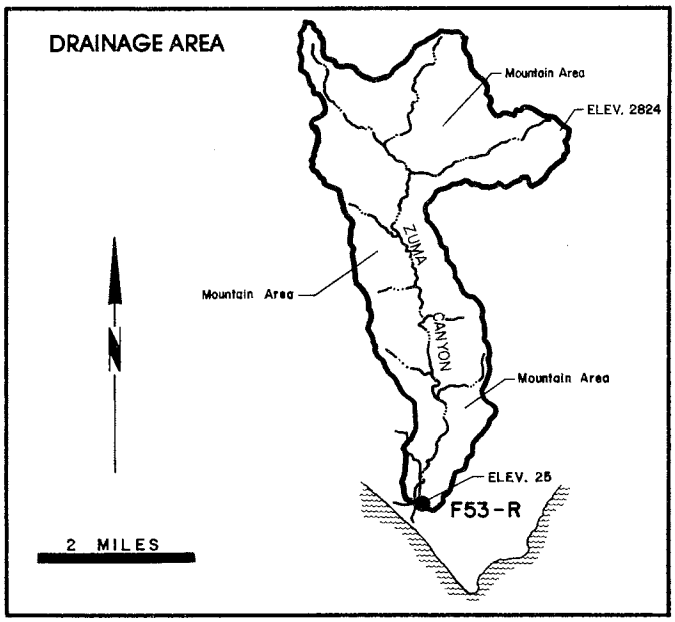
STA. NO. F45B-R
RIO HONDO ABOVE STEWART AND GRAY ROAD

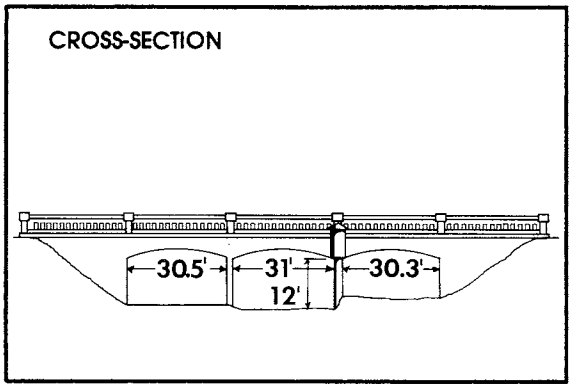
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1927-28	*	0	*	269*	3	6	4*
1928-29	248	0	3.4	2460	4	4	912
1929-30	285	0	2.8	2000	3	15	743
1930-31	335	0	2.6	1900	2	4	841
1931-32	3440	0	27.4	19920	2	9	4610
1932-33	971	0	6.2	4450	1	19	2730
1933-34	5810	0	23.5	17030	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	238.0	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	129.0	93260	3	4	6420
1941-42	564	0	9.3	6730	12	10	4240
1942-43	4660	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	+	95.8	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	+	424.0	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
1972-73	2550	+	21.9	15860	2	11	15180
1973-74	3360	+	15.4	11180	1	7	11710
1974-75	303	+	9.5	6910	12	4	13250
1975-76	920	+	9.4	6660	9	11	9820
1976-77	619	0	6.9	5020	10	23	2890
1977-78	13800	+	270.0	195463	3	1	32000
1978-79	4600	0.5	46.5	33662	3	27	25600
1979-80	16000	0.5	313.4	221877	2	16	48100

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

DUME CREEK
at Pacific Coast Highway
STATION NO. F53-R







RECORDER- continuous water stage.
METHOD OF MEASUREMENTS- low flows measured by wading. High flows measured from highway bridge.
DRAINAGE AREA- 8.8 square miles.
LOCATION- on the downstream side of Pacific Coast Highway bridge near Dume Point about 0.2 miles from Pacific Ocean.
REGULATION- none.
CHANNEL- sand and gravel.
CONTROL- channel forms control.
LENGTH OF RECORD- January 15, 1930 to November 26, 1937 and November 3, 1938 to date.

STATION NO. F53-R

DAILY DISCHARGE in second-feet of DUME CREEK AT PACIFIC COAST HIGHWAY FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	0	346	5.0	2.7	1.8	1.0	0.5	0.5
2	0	0	0	0	0	155	3.8	2.7	1.7	1.0	0.5	0.5
3	0	0	0	0	0	79.6	2.3	2.6	1.6	1.0	0.5	0.5
4	0	0	0	2.2	0	574	4.4	2.4	1.6	1.0	0.5	0.5
5	0	0	0	1.1	14.5	136	4.0	2.2	1.5	1.0	0.5	0.4
6	0	0	0	13.3	4.2	61.2	3.6	2.0	1.3	1.0	0.4	0.4
7	0	0	0	0.5	21.5	35.6	4.0	1.9	1.3	1.0	E 0.4	E 0.4
8	0	0	0	0	29.5	26	3.0	1.8	1.2	0.9	E 0.4	E 0.4
9	0	0	0	17.9	302	26	2.3	1.6	1.2	0.9	E 0.4	E 0.4
10	0	0	0	39.8	118	20.4	1.8	1.6	1.2	0.9	E 0.4	E 0.4
11	0	0	0	5.9	36.1	17.2	2.1	1.6	1.1	0.9	E 0.4	E 0.4
12	0	0	0	0.7	72.6	17.2	2.4	1.6	1.0	0.9	E 0.4	E 0.4
13	0	0	0	0	88.3	14.2	2.4	1.6	1.0	0.9	E 0.4	E 0.4
14	0	0	0	19.5	30	10	2.2	1.6	1.0	0.9	0.4	E 0.4
15	0	0	0	147	16	8.5	15.8	1.5	1.0	0.9	0.4	E 0.4
16	0	0	0	129	11	9.0	7.4	1.6	1.0	0.8	0.4	E 0.4
17	0	0	0	47	7.7	10	4.8	1.6	1.0	0.9	0.4	E 0.4
18	0	0	0	7.5	5.9	9.0	4.8	1.7	1.0	0.8	0.4	E 0.4
19	0	0	0	2.9	4.2	8.5	4.8	1.5	1.0	0.8	0.4	E 0.3
20	0	0	0	0.7	2.8	8.0	4.2	1.5	1.1	0.8	0.4	E 0.3
21	0	0	0	0	1.9	7.7	4.0	1.5	1.1	0.8	0.4	E 0.3
22	0	0	0	0	1.8	19.2	3.6	1.4	1.1	0.8	0.4	E 0.3
23	0	0	0	0	1.8	8.0	3.2	1.3	1.1	0.7	0.4	E 0.3
24	0	0	0	0	2.1	8.5	3.0	1.3	1.1	0.7	0.4	E 0.3
25	0	0	0	0	2.2	8.0	3.6	1.4	1.0	0.7	0.4	E 0.3
26	0	0	0	0	2.3	5.6	3.4	1.5	1.1	0.7	0.4	E 0.3
27	0	0	0	0	2.5	4.6	3.0	1.5	1.1	0.7	0.4	E 0.3
28	0	0	0	0	75.5	4.8	2.9	1.6	1.1	0.6	0.4	E 0.2
29	0	0	0	0		4.6	2.9	1.6	1.1	0.6	0.5	E 0.2
30	0	0	0	0		4.8	2.8	1.6	1.1	0.5	0.5	E 0.2
31	0		0	0		7.1		1.7		0.5	0.5	
MEAN	0	0	0	14	30.5	53.4	3.9	1.7	1.2	0.8	0.4	0.4
	0	0	0	863	1,690	3,280	233	107	70.4	50.8	26.2	21.6

YEAR OR PERIOD MEAN 8.9
ACRE-FEET 6,340

STATION NO. F53-R

DAILY DISCHARGE in second-feet of DUME CREEK AT PACIFIC COAST HIGHWAY — FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.2	B 0.2	B 0.2	0	14	E 4.0	3.2	E 0.3	E 0.3	E 0.5	E 0.4	E 0.4
2	B 0.2	B 0.2	B 0.2	0	10	B 0.7	2.2	E 0.3	E 0.3	E 0.5	E 0.4	E 0.4
3	B 0.2	B 0.2	B 0.2	0	E 6.0	B 0.7	1.7	E 0.3	E 0.3	E 0.5	E 0.4	E 0.4
4	B 0.2	B 0.2	B 0.2	0	E 3.0	B 0.7	1.5	E 0.3	E 0.3	E 0.5	E 0.4	E 0.4
5	B 0.2	B 0.2	B 0.2	63	1.8	B 0.7	1.2	E 0.3	E 0.3	E 0.5	E 0.4	E 0.4
6	B 0.2	B 0.2	B 0.2	42	1.3	B 0.7	E 1.0	E 0.3	E 0.3	E 0.5	E 0.4	E 0.4
7	B 0.2	B 0.2	B 0.2	8.5	0.9	B 0.7	E 0.8	E 0.3	E 0.3	E 0.5	E 0.4	E 0.4
8	B 0.2	B 0.2	B 0.2	1.9	0.6	B 0.7	E 0.6	E 0.3	E 0.3	E 0.5	E 0.4	E 0.4
9	B 0.2	B 0.2	B 0.2	0.7	0.5	B 0.7	E 0.4	E 0.3	E 0.3	E 0.5	E 0.4	E 0.4
10	B 0.2	B 0.2	B 0.2	0.6	0.5	B 0.7	E 0.2	E 0.3	E 0.3	E 0.5	E 0.4	E 0.4
11	B 0.2	B 0.2	B 0.2	0.6	0.5	B 0.7	E 0.2	E 0.3	E 0.3	E 0.5	E 0.4	E 0.4
12	B 0.2	B 0.2	B 0.2	0.5	0.5	B 0.7	E 0.2	E 0.3	E 0.3	E 0.5	E 0.4	E 0.4
13	B 0.2	B 0.2	B 0.2	0.5	0.6	B 0.7	E 0.2	E 0.3	E 0.3	E 0.5	E 0.4	E 0.4
14	B 0.2	B 0.2	B 0.2	0.5	1.8	E 0.7	E 0.2	E 0.3	E 0.3	E 0.5	E 0.4	E 0.4
15	B 0.2	B 0.2	B 0.2	53	0.7	0.9	E 0.2	E 0.3	E 0.3	E 0.5	E 0.4	E 0.4
16	B 0.2	B 0.2	B 0.2	80	0.4	0.8	E 0.2	E 0.3	E 0.3	E 0.5	E 0.4	E 0.4
17	B 0.2	B 0.2	B 0.2	6.2	0.3	2.3	E 0.2	E 0.3	E 0.3	E 0.5	E 0.4	E 0.4
18	B 0.2	B 0.2	10	3.0	0.2	B 0.4	E 0.2	E 0.3	E 0.3	E 0.5	E 0.4	E 0.4
19	B 0.2	B 0.2	1.2	1.8	0.1	B 0.2	E 0.3	E 0.3	E 0.3	E 0.5	E 0.4	E 0.4
20	B 0.2	B 0.2	0.6	B 1.5	0.1	B 0.2	E 0.3	E 0.3	E 0.4	E 0.5	E 0.4	E 0.4
21	B 0.2	B 0.2	0.3	B 1.0	21	B 0.2	E 0.3	E 0.3	E 0.4	E 0.5	E 0.4	E 0.4
22	B 0.2	B 10	0.3	B 0.5	3.6	B 0.2	E 0.3	E 0.3	E 0.4	E 0.5	E 0.4	E 0.4
23	B 0.2	B 1.2	+	B 0.4	17	B 0.2	E 0.3	E 0.3	E 0.4	E 0.5	E 0.4	E 0.4
24	B 0.2	B 0.6	+	B 0.2	B 0.5	B 0.2	E 0.3	E 0.3	E 0.4	E 0.5	E 0.4	E 0.4
25	B 0.2	B 0.3	0	+	B 0.5	B 0.2	E 0.3	E 0.3	E 0.4	E 0.5	E 0.4	E 0.4
26	B 0.2	B 0.2	0	+	B 0.5	B 0.2	E 0.3	E 0.3	E 0.4	E 0.5	E 0.4	E 0.4
27	B 0.2	B 0.2	0	+	B 0.5	151	E 0.3	E 0.3	E 0.4	E 0.5	E 0.4	E 0.4
28	B 0.2	B 0.2	0	+	B 0.5	74	E 0.3	E 0.3	E 0.4	E 0.4	E 0.4	E 0.4
29	B 0.2	B 0.2	0	+		17	E 0.3	E 0.3	E 0.4	E 0.4	E 0.4	E 0.4
30	B 0.2	B 0.2	0	16		10	E 0.3	E 0.3	E 0.4	E 0.4	E 0.4	E 0.4
31	B 0.2		0	54		5.6		E 0.3		E 0.4	E 0.4	
MEAN	0.2	0.6	0.5	10.9	3.1	8.9	0.6	0.3	0.3	0.5	0.4	0.4
	12.3	34.3	31.3	670	174	549	35.7	18.4	20	30	24.6	23.8

YEAR OR PERIOD — MEAN 2.2 — ACRE-FEET 1,620

STATION NO. F53-R

DAILY DISCHARGE in second-feet of DUME CREEK AT PACIFIC COAST HIGHWAY — FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.2	+	+	E +	2.1	3.0	D 6.4	1.8	1.1	0.9	0.9	0.4
2	0.2	+	+	E +	2.0	13.8	D 6.1	1.8	1.0	0.8	0.9	0.4
3	0.1	+	+	E +	1.9	50.9	D 5.9	1.8	1.0	0.9	0.9	0.4
4	0.1	+	+	E +	1.9	34.8	D 5.6	1.8	1.0	0.8	0.9	0.4
5	0.1	+	+	E +	1.8	51.5	D 5.3	1.8	1.0	0.9	0.9	0.4
6	0.1	+	+	E +	1.7	58.7	D 5.1	1.8	1.0	1.0	0.9	0.4
7	0.1	0.1	+	E +	1.5	39.6	D 4.8	1.8	1.1	1.0	0.9	0.4
8	0.1	0.2	+	E 0.8	1.3	35.6	D 4.5	1.8	1.0	1.0	0.9	0.4
9	0.1	+	+	E 7.8	1.2	31.6	D 4.2	1.7	1.0	0.9	0.9	0.5
10	0.1	+	0	E 4.2	1.0	31.6	D 4.0	1.7	1.0	0.9	1.0	0.5
11	+	+	+	71.1	0.9	26.8	D 3.7	1.6	1.0	0.9	0.9	0.5
12	+	+	+	3.3	0.7	24.6	D 3.4	1.6	1.2	1.0	0.8	0.6
13	+	+	+	1.6	3.6	21.8	D 3.1	1.6	1.2	1.0	0.7	0.7
14	+	+	+	2.1	25.7	20.4	2.9	1.6	1.2	1.0	0.7	0.7
15	+	+	+	1.8	289	19	2.8	1.5	1.2	1.0	0.7	0.7
16	+	+	+	1.8	B 689	17.8	2.8	1.5	1.2	1.0	0.7	0.8
17	+	+	+	1.8	B 133	16.6	2.8	1.5	1.2	1.0	0.7	0.8
18	+	+	+	1.8	B 238	17.8	2.8	1.5	1.2	0.9	0.6	0.7
19	+	+	+	1.8	B 35.6	9.5	2.5	1.5	1.2	0.9	0.5	0.7
20	0.2	+	+	1.8	B 30	8.0	2.1	1.5	1.2	0.8	0.5	0.7
21	+	+	+	1.7	B 27.6	8.0	2.1	1.5	1.0	0.8	0.5	0.6
22	+	+	+	1.5	B 24.6	8.0	2.1	1.5	1.0	0.9	0.5	0.6
23	+	+	+	1.4	B 21.8	7.7	2.1	1.5	0.9	0.9	0.4	0.6
24	+	+	1.8	1.3	B 19.7	7.7	2.1	1.5	1.2	0.9	0.4	0.6
25	+	+	E 1.0	1.2	B 17.2	8.0	2.1	1.3	1.2	0.9	0.4	0.6
26	+	+	E 1.0	0.9	B 15.4	8.0	2.1	1.2	1.0	0.9	0.3	0.6
27	+	+	E 1.0	0.5	B 13.6	D 7.8	2.1	1.2	0.9	0.9	0.3	0.6
28	+	+	E +	3.8	10	D 7.5	2.0	1.1	0.9	0.9	0.3	0.6
29	+	+	E +	109	7.7	D 7.2	1.9	1.1	0.9	0.9	0.3	0.5
30	+	+	E +	4.4		D 7.0	1.8	1.1	0.9	0.9	0.3	0.5
31	+		E +	2.4		D 6.7		1.1		0.9	0.4	
MEAN	+	+	0.2	7.4	55.9	19.9	3.4	1.5	1.1	0.9	0.6	0.6
	2.8	0.6	9.5	456	3,220	1,220	201	93.8	63.3	56.3	39.7	33.5

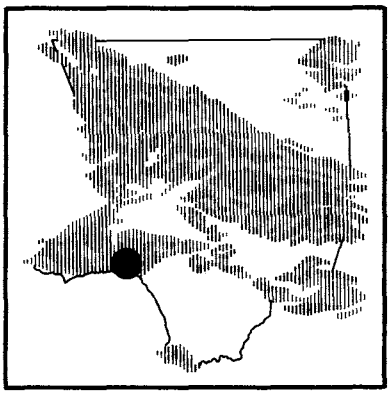
YEAR OR PERIOD — MEAN 7.6 — ACRE-FEET 5,400

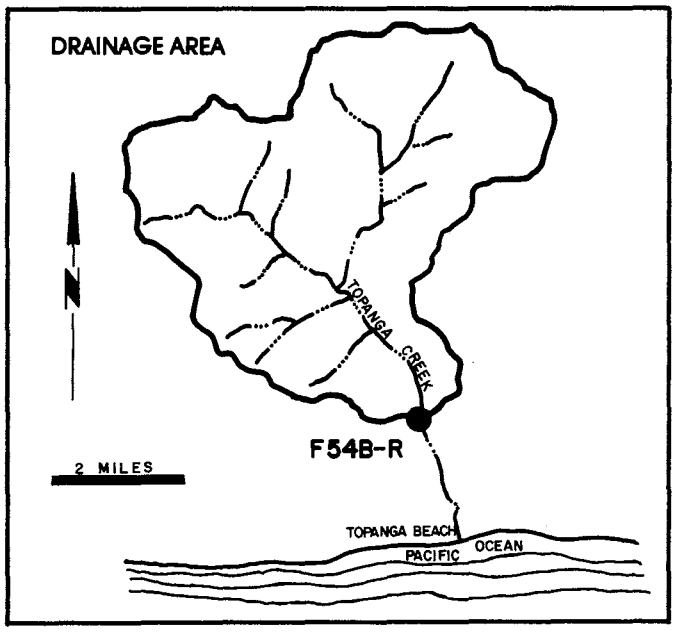
STA. NO. F53-R
DUME CREEK AT PACIFIC COAST HIGHWAY

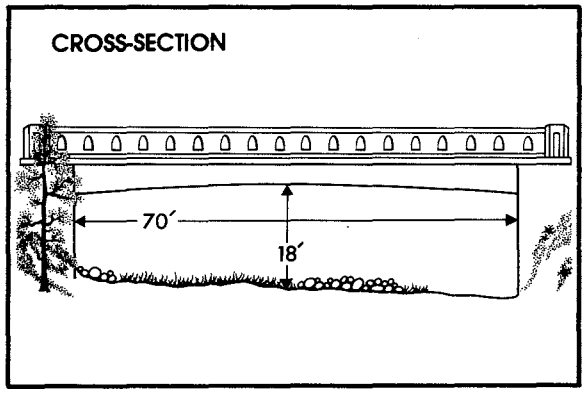
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK MON	PEAK DAY	PEAK FLOW CFS
1929-30	100	0	0.3	218	1	15	426
1930-31	40	0	0.2	127	2	4	205
1931-32	94	0	1.0	726	12	28	425
1932-33	15	0	0.1	81	1	19	110
1933-34	839	0	3.1	2270	12	31	2750
1934-35	47	0	0.2	176	1	5	409
1935-36	26	0	0.3	202	2	14	206
1936-37	230	0	2.6	1900	2	6	624
1937-38	**	**	**	**	3	2	N.D.
1938-39	13	0	+	31	9	25	115
1939-40	39	0	0.3	229	2	2	183
1940-41	230	0	9.4	6800	1	24	876
1941-42	0.4	0	+	28	12	28	2.7
1942-43	666	0	4.2	3020	1	22	1440
1943-44	163	0	2.2	1570	2	20	627
1944-45	11	0	+	23	2	2	65
1945-46	23	0	0.1	68.2	12	23	142
1946-47	73	0	0.3	241	11	20	490
1947-48	0	0	0.0	0			0
1948-49	0	0	0.0	0			0
1949-50	0	0	0.0	0			0
1950-51	0	0	0.0	0			0
1951-52	769	0	9.0	6540	1	15	2010
1952-53	6.1	0	0.1	34	12	2	30
1953-54	224	0	0.7	529	2	13	989
1954-55	0	0	0.0	0			0
1955-56	301	0	1.0	738	1	26	560
1956-57	24	0	0.1	74	2	23	120
1957-58	133	0	4.2	3050	2	25	466
1958-59	24	0	0.1	55	2	16	159
1959-60	0.6	0	+	1.2	2	1	11
1960-61	0	0	0.0	0			0
1961-62	455	0	3.8	2770	2	10	705
1962-63	2.3	0	+	7.9	3	16	16
1963-64	0	0	0.0	0			0
1964-65	20	0	0.1	72	4	9	153
1965-66	438	0	2.9	2020	12	29	1220
1966-67	263	0	3.2	2300	1	24	1020
1967-68	118	0	0.8	604	3	8	465
1968-69	***	***	***	***	1	25	2600
1969-70	31	0	0.4	266	3	5	134
1970-71	91	0	0.9	625	10	29	315
1971-72	52	0	0.2	117	12	27	278
1972-73	192	0	1.5	1050	2	11	528
1973-74	466	0	1.8	1290	1	7	649
1974-75	65	0	0.3	232	12	4	235
1975-76	0.1	0	+	0.2	9	29	2.4
1976-77	7.3	0	0.05	39	1	3	47
1977-78	574	0	8.8	6339	3	4	1380
1978-79	151	0	2.2	1623	3	27	1108
1979-80	689	+	7.6	5396.8	2	16	1992

N.D. = NOT DETERMINED
** = STATION DESTROYED BY FLOOD OF 3-2-38
*** = RECORD NOT COMPUTED
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0

TOPANGA CREEK
above Mouth of Canyon
STATION NO. F54B-R







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.

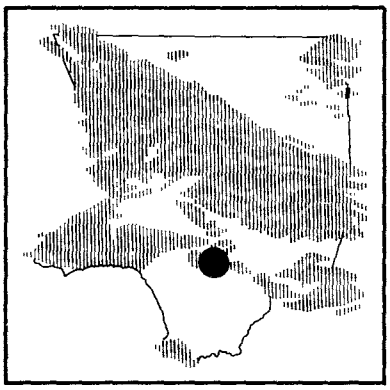
STATION NO. F54B-R

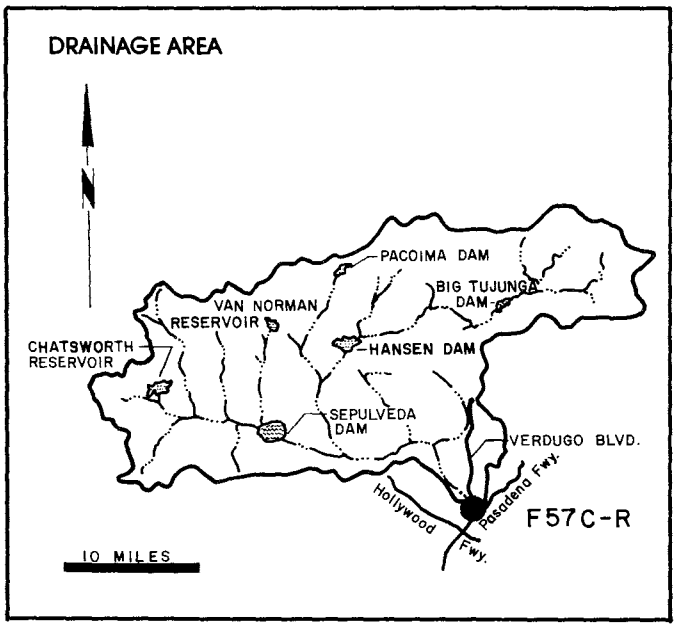
DAILY DISCHARGE in second-feet of TOPANGA CREEK ABOVE MOUTH OF CANYON FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

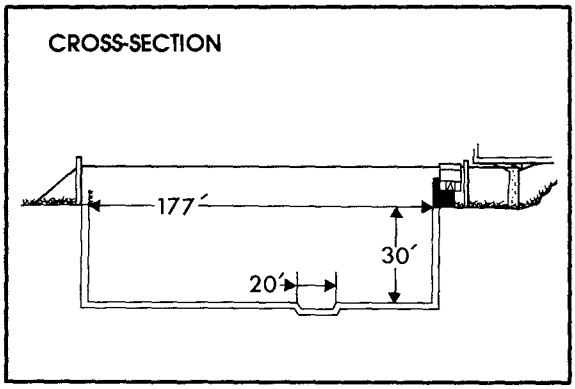
	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.1	0.1	0.1	0.7	3.4	V 1,020	17	7.0	2.6	1.0	0.4	0.7
2	0.1	0.1	0.1	0.6	3.4	V 496	15	6.5	2.6	1.0	0.5	0.6
3	0.1	0.1	0.1	1.0	3.0	V 192	14	6.5	2.6	1.0	0.4	0.6
4	0.1	0.1	0.1	V 19	2.6	V 2,680	17	6.0	2.6	1.0	0.3	0.5
5	0.1	0.1	0.1	6.0	V 61	V 396	14	6.0	2.6	1.0	0.2	0.9
6	0.1	0.1	0.1	V 43	V 51	162	14	6.0	2.6	1.0	0.2	2.2
7	0.1	0.1	0.1	9.5	V 49	112	16	5.5	2.6	1.0	0.2	0.8
8	0.1	0.1	0.1	2.2	V 61	90	13	6.0	2.6	1.0	0.2	0.6
9	0.1	0.1	0.1	V 137	V 600	81	12	6.5	2.2	1.0	0.4	0.6
10	0.1	0.1	0.1	V 162	V 383	66	11	6.0	2.2	1.0	0.4	0.6
11	0.1	0.1	0.1	26	V 109	58	10	6.0	1.8	1.0	0.4	0.8
12	0.1	0.1	0.1	11	V 272	51	10	5.5	1.8	1.0	0.4	0.8
13	0.1	0.1	0.1	7.5	V 211	45	10	5.0	1.4	1.0	0.4	0.8
14	0.1	0.2	0.1	V 182	73	40	9.5	4.6	1.4	0.9	0.5	0.6
15	0.1	0.1	0.1	V 825	51	37	V 56	4.6	1.8	1.0	0.5	0.6
16	0.1	0.1	0.1	V 712	38	34	30	4.2	1.8	1.0	0.6	0.6
17	0.1	0.1	0.2	V 132	32	32	18	4.2	1.4	1.0	0.6	0.6
18	0.1	0.1	0.5	43	27	30	13	3.8	1.4	1.0	0.6	0.5
19	0.1	0.1	0.2	48	24	29	12	3.8	1.4	1.4	0.6	0.5
20	0.1	0.1	0.1	29	21	28	12	3.8	1.0	1.4	0.6	0.4
21	0.1	0.1	0.1	27	18	V 31	12	3.4	1.4	1.0	0.7	0.4
22	0.1	0.1	0.1	24	14	V 70	10	3.4	1.8	1.0	0.7	0.3
23	0.1	0.1	0.1	23	12	33	10	3.4	1.4	1.0	0.7	0.3
24	0.1	0.1	0.1	20	10	27	9.5	3.0	1.0	0.9	0.7	0.3
25	0.1	0.1	0.1	8.0	8.0	24	10	3.0	1.4	0.8	0.7	0.4
26	0.1	0.1	V 8.3	7.0	8.0	21	9.0	3.0	1.0	0.8	0.7	0.3
27	0.1	0.1	V 4.3	5.5	10	20	8.5	3.0	1.0	0.8	0.7	0.3
28	0.2	0.1	V 69	4.6	V 407	18	8.0	3.0	1.0	0.7	0.7	0.4
29	0.1	0.1	4.2	4.2		17	8.0	2.6	1.0	0.7	0.8	0.4
30	0.1	0.1	1.0	4.2		18	7.5	2.2	1.0	0.6	0.8	0.6
31	0.1		0.8	3.4		22		2.6		0.5	0.8	
MEAN	0.1	0.1	2.9	81.5	91.5	193	13.9	4.5	1.7	1.0	0.5	0.6
	6.4	6.2	180	5,010	5,080	11,860	825	280	104	58	32	36

YEAR OR PERIOD MEAN 32.6
ACRE-FEET 23,480

LOS ANGELES RIVER
above Arroyo Seco
STATION NO. F57C-R







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.

STATION NO. F57C-R

DAILY DISCHARGE in second-feet of LOS ANGELES RIVER ABOVE ARROYO SECO FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	7.2	7.2	7.7	12.2	18.4	13,100	819	265	23.1	32.5	13.5	53.1
2	9.2	7.7	7.2	11	18.4	6,150	474	237	25	19.4	18.4	47.3
3	8.2	8.2	6.7	348	17.5	3,330	350	246	24.1	20.3	20.4	42.7
4	6.7	7.7	7.2	2,300	16.5	22,700	379	228	29.6	16.5	30.5	54.6
5	7.7	26.6	7.2	169	1,640	9,940	150	256	34.2	23.1	18.4	617
6	7.7	42.8	8.7	1,300	538	4,350	517	284	30.7	23.1	12.2	330
7	7.7	9.2	8.7	65.8	1,530	1,150	773	265	22.2	22.2	13.5	60.8
8	7.7	7.2	7.7	24.6	1,050	1,050	350	237	22.2	19.4	12.2	39.1
9	7.2	7.2	7.2	1,670	9,810	1,030	274	256	16.5	17.5	14.2	30.7
10	8.2	6.2	8.2	3,590	17,000	682	293	339	17.5	20.2	12.2	30.3
11	9.3	5.8	8.7	165	2,410	540	246	87.7	20.3	40.6	11.6	33.6
12	6.2	5.8	8.7	48.1	4,360	527	219	339	25	27.3	12.2	30.7
13	6.7	5.8	7.7	27.3	2,180	474	209	70.2	25	70.5	12.2	19.4
14	6.2	5.8	7.7	2,680	327	385	228	31.9	24.1	33.1	13.5	29.3
15	5.4	6.2	7.7	2,480	316	373	2,570	22.2	18.4	33	15.4	163
16	8.2	16.1	7.7	4,660	316	350	819	21.2	15.6	27.2	27.3	540
17	9.2	6.2	130	740	304	339	448	16.5	20.3	33.3	31.1	218
18	7.7	6.7	455	220	304	327	350	22.2	19.4	30.9	31.6	89
19	7.7	5.8	22.4	769	293	316	316	34.2	21.2	17.5	33.1	70.2
20	7.2	5.8	8.2	74.1	293	304	284	31.9	21.2	16.5	42	57.7
21	6.7	6.7	11	39.2	293	2,310	256	33	22.2	13.5	41.9	78.9
22	6.7	7.7	54.7	30.7	284	4,340	237	31.9	18.4	12.8	37.8	77.6
23	6.7	7.7	32.3	30.7	284	899	228	30.7	18.4	11.6	33	78.9
24	7.2	7.7	35	28.4	284	448	237	35.3	16.5	14.2	29.8	85.9
25	7.2	7.2	177	29.6	284	362	394	200	13.5	14.9	37.8	62
26	8.2	7.7	3,090	28.2	274	284	219	134	14.9	20.1	38.3	48.6
27	6.7	7.7	1,210	26.1	284	219	200	27.3	13.5	27.9	41.7	50
28	7.2	8.2	5,290	20.3	6,160	159	209	62	18.4	31.9	41.7	56
29	7.2	7.7	161	19.4		130	200	96.5	24.1	25	47.6	59
30	6.7	8.2	49.5	19.4		480	219	62	23.1	13.5	45.8	70.2
31	7.2		17.5	37.3		1,960		24.1		13.4	35.6	
MEAN	7.4	9.2	351	699	1,820	2,550	416	130	21.3	24	26.7	107
	454	548	21,560	42,970	100,900	156,700	24,730	7,990	1,270	1,470	1,640	6,390

YEAR OR PERIOD MEAN 513
ACRE-FEET 366,600

STATION NO. F57C-R

DAILY DISCHARGE in second-feet of LOS ANGELES RIVER ABOVE ARROYO SECO — FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	66.7	36.1	57.6	52.2	654	1,220	120	129	57.5	54.5	51.5	45.9
2	65	46.3	60.5	53.7	1,610	97.2	92.6	129	56	56	54.5	44.6
3	60.5	46.4	37.8	84.6	342	47.7	78.9	126	60.5	57.5	50	48.6
4	59	47.1	43.2	176	91.6	34.8	70.2	126	62	57.5	43.2	53
5	56	54.5	44.6	6,240	57.2	34.2	70.2	123	37.4	59	40.5	53
6	59	53.2	53	1,050	40.5	30.5	57.5	123	26.1	60	44.6	54.5
7	59	48.9	45.9	90.3	59.9	38.1	51.5	120	37.8	57.5	45.9	48.6
8	54.5	57.4	34.6	44	61.8	37.3	50	120	76.9	53	45.9	48.6
9	59	60.1	27	299	52.3	35.9	51.5	120	100	53	44.6	47.3
10	62	163	37.2	64.4	65.3	31.7	53	117	114	53	47.3	53
11	63.5	533	40.8	24.1	60	38.2	54.5	114	71.9	51.5	47.3	44.5
12	63.5	95.7	45.1	16.5	57	40.8	49.1	114	26.1	51.5	48.6	54.5
13	63.5	256	30.6	14.9	55.2	275	40	111	25	57.5	50	56
14	57.5	123	22.8	301	946	84.7	35.1	108	30.4	56	47.3	53
15	51.5	52.5	42.7	4,280	124	53	35.6	95.2	47.3	50	44.6	54.5
16	53	49.8	51.8	5,410	29.6	88	34	85	49.3	40.5	51.5	50
17	45.5	35.1	84.2	225	27.3	1,570	39.2	78.9	63.5	34.2	54.5	51.5
18	38.8	27.3	1,460	246	26.1	335	38.9	85.4	56	28.4	56	54.5
19	41.9	32.7	712	129	31.3	512	38	100	44.6	45.3	54.5	54.5
20	68.1	31.9	73.6	114	125	294	30.8	108	45.9	53	57.5	56
21	57.5	807	34.2	164	2,600	71.9	33	100	53	56	56	52
22	46.2	1,330	32.7	175	175	59.5	30.7	74.6	73.7	54.5	56	57.5
23	40.5	213	24.2	107	857	34.4	38.4	76.2	73.7	59	53	47.4
24	18.8	93	21.8	74.7	75.1	24.1	163	268	62	57.5	53	53
25	33.4	84.2	29.4	79.9	53	25	144	77.2	59	56	48.6	50
26	36.7	84.2	30.5	64.9	51.5	28.4	138	57.5	65	60.5	47.3	59
27	37.2	66	34	63.5	39.2	6,030	135	54.5	63.5	59	47.3	59
28	44.6	54.9	37.8	96.5	41.9	3,030	135	57.5	57.5	56	44.6	60.5
29	42.8	54	31.9	72		908	132	57.5	57.5	53	47.3	57.5
30	40.1	39.1	40.5	1,820		500	132	57.5	54.5	51.5	47.3	65
31	53.8		37.9	2,800		257		59		51.5	47.3	
MEAN	51.6	156	108	788	300	511	72.4	102	56.9	53	49.3	52.9
	3,170	9,270	6,660	48,460	16,680	31,430	4,310	6,290	3,390	3,260	3,030	3,150

YEAR OR PERIOD — MEAN 192 — ACRE-FEET 139,100

STATION NO. F57C-R

DAILY DISCHARGE in second-feet of LOS ANGELES RIVER ABOVE ARROYO SECO — FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	62	51.5	40.2	44.8	291	E 239	E 148	72	37.8	33.1	32.4	54.5
2	62	50	39.2	41.2	188	E 4,470	E 138	125	34.2	38.9	37.9	62
3	62.1	57.5	39.1	36.1	181	E 1,670	E 131	66.7	35.3	35.3	24.4	56
4	65	56	41.4	35	169	E 405	E 111	63.5	29.6	36.5	33	45.9
5	66.7	54.5	43.4	51.4	123	E 1,560	E 94.6	65	33	31.9	36.5	37.8
6	65	54.5	40.3	50	108	E 3,420	E 90.3	66.7	22.2	26.3	43.2	27.3
7	65	216	45.2	159	86.5	E 1,260	E 92	61.1	29.6	28.4	43.2	21.2
8	66.7	966	45.5	84.3	70.2	E 1,010	E 94.6	57.5	23.1	28.3	43.2	27.3
9	66.7	47.4	41.9	4,450	75.4	E 780	E 99.8	104	30.7	24.8	37.8	33
10	68.5	53	42.3	683	72	E 800	E 88.6	114	37.8	17.5	30.7	35.3
11	68.5	50	38.8	2,870	72	E 641	E 71.9	35.3	36.5	30.7	37.8	36.5
12	62.7	53	33.3	958	72	E 606	E 53.2	31.9	34.2	16.8	42.1	35.3
13	54.5	48.6	34.2	608	3,380	E 555	E 51.7	36.5	25.8	19.4	39.2	34.2
14	51.5	44.6	36.5	689	5,040	E 200	E 53.2	38.5	15.3	26.9	39.2	30.7
15	62	40.4	36.9	193	9,090	E 177	E 61	47.4	11.6	31	36.5	30.7
16	60.5	34.3	37.7	189	16,800	E 171	E 68.3	45.9	14.2	32.9	25.6	40.5
17	57.5	63	39	207	14,000	E 166	E 68.3	148	14.2	34.7	26.1	43.2
18	57.5	41.1	34.4	188	8,600	E 1,066	E 68.3	358	13.5	36.1	27.1	47.3
19	64.1	30.7	35.3	117	9,880	E 449	E 68.3	76.3	11	33.4	35.8	47.3
20	812	29.5	36.5	95.2	6,340	E 333	E 66.5	34.2	12.2	30.8	34.9	41.9
21	83.6	39.5	172	87.5	4,080	E 450	E 61	51.5	16.5	35.2	41.2	33
22	62	36.8	119	97.8	1,290	E 308	E 229	78.9	16.5	40.4	48.6	30.7
23	57.5	32.4	85	78.9	1,170	E 224	E 113	43.2	21.7	38	54.4	30.7
24	71.8	36.8	801	78.9	1,300	E 193	E 73.7	31	21.4	32	53.8	39.2
25	327	36.5	510	73.7	1,300	E 389	E 50.1	24.1	29.7	37.2	56.8	41.9
26	378	43.2	65.5	73.7	1,300	E 790	E 44	24.6	31.9	36.7	70.2	45.9
27	72.6	36.2	54.4	111	1,280	E 252	E 41.4	33.4	31.2	32.6	70.6	48.6
28	59	20.7	48.9	2,490	1,280	E 231	E 150	40.5	27.8	36.6	73.3	48.6
29	50.1	33	47.3	6,820	1,280	E 210	E 268	41.9	31.9	41	74.9	51.5
30	54.8	41.8	44	739		E 161	E 108	38.6	30.6	33.4	62.9	59
31	57.5		42.7	530		E 151		41.9		27.3	51.5	
MEAN	106	79.9	89.4	740	3,070	753	95.2	67.6	25.4	31.7	44	40.6
	6,490	4,760	5,500	45,480	176,400	46,300	5,670	4,160	1,510	1,950	2,710	2,410

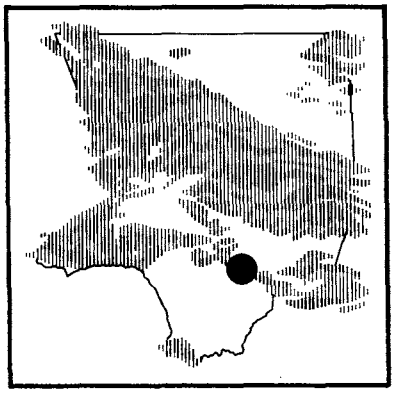
YEAR OR PERIOD — MEAN 429 — ACRE-FEET 303,300

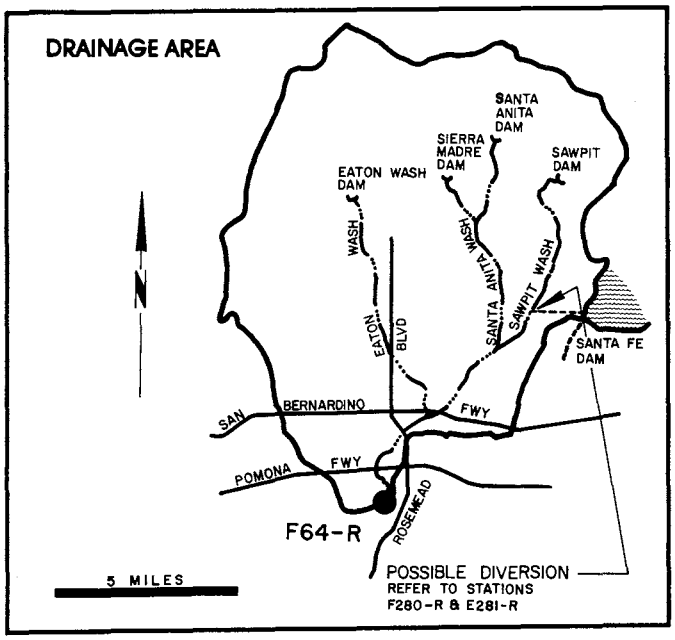
STA. NO. F57C-R
LOS ANGELES RIVER ABOVE ARROYO SECO

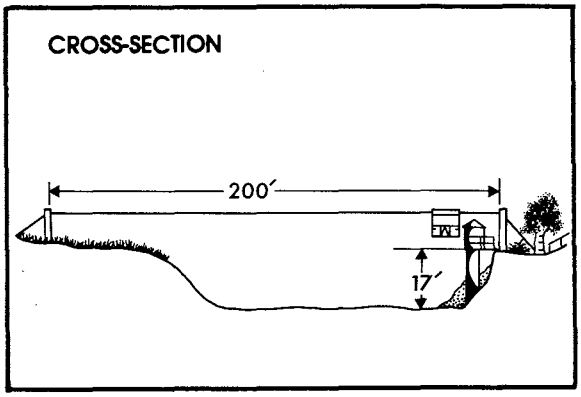
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1929-30	312	0	2.3	1660	3	15	500
1930-31	927	0	5.5	3950	2	4	4540
1931-32	2520	0	21.0	15240	2	8	3020
1932-33	2330	0	14.7	10640	1	19	5780
1933-34	5990	0	41.2	29810	1	1	22000
1934-35	568	0.1	17.3	12550	4	8	2400E
1935-36	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	183.0	132600	3	2	68000E
1938-39	1950	3.8	58.5	42360	1	5	3710
1939-40C	2070	6	54.5	39590	1	8	8900
1940-41	6700	4.2	228.0	165000	2	20	11900
1941-42	1170	22	75.7	54800	12	10	5260
1942-43	7120	15	172.0	124400	1	23	23900
1943-44	8020	25	151.0	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	149.0	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	126.0	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	1690	+	16.6	12000	11	5	7890
1961-62	8510	+	120.0	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	149.0	107500	12	29	32000
1966-67	7720	0.4	115.0	82210	11	7	32100
1967-68	4780	3.4	82.2	59710	3	8	30900
1968-69	23400	4	425.0	307400	1	25	41800
1969-70	2760	6.9	65.6	47520	3	4	17000
1970-71	12900	7.4	129.0	93310	11	29	41500
1971-72	4830	5.4	64.3	46690	12	27	15900
1972-73	9190	6.7	157.0	114000	1	18	28230
1973-74	12480	5.8	123.0	88900	1	7	24540
1974-75	5750	4.2	88.6	64120	12	4	27570
1975-76	3230	2.7	54.7	39720	2	9	13900
1976-77	4710	1.6	91.2	66020	1	3	23300
1977-78	22700	5.4	506.5	366663	2	10	52700
1978-79	6240	18.8	192.0	139101	3	27	25800
1979-80	16800	11	428.6	303340	2	16	52200

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

RIO HONDO
above Mission Bridge
STATION NO. F64-R







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.

STATION NO. F64-R

DAILY DISCHARGE in second-feet of RIO HONDO ABOVE MISSION BRIDGE — FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	129	E 2.1	108	E 4,030	E 104	E 189	E 120	E 4.0	E 5.0	E 4.0
2	0	0	131	E 2.4	105	E 2,070	E 48.9	E 144	E 114	E 4.1	E 5.0	E 4.0
3	0	0	135	E 120	112	E 1,070	E 46.4	E 144	E 105	E 4.1	E 4.9	E 3.5
4	0	0	137	E 638	87.8	E 4,250	E 270	E 144	E 105	E 4.1	E 4.9	E 3.5
5	0	0	137	E 18.6	E 293	E 2,390	E 95.2	E 138	E 105	E 4.1	E 4.9	E 159
6	0	0	92.3	E 155	E 135	E 1,070	E 420	E 138	E 99.9	E 4.2	E 4.8	E 85.9
7	0	0	164	E 39.9	E 455	E 641	E 339	E 132	E 105	E 4.2	E 4.8	E 5.0
8	0	0	164	E 43.6	E 587	E 487	E 146	E 144	E 105	E 4.2	E 4.8	E 4.5
9	0	0	166	E 428	E 2,420	E 397	E 115	E 163	E 69.7	E 4.3	E 4.7	E 4.0
10	0	0	174	E 697	E 2,870	E 308	E 100	E 163	E 19.9	E 4.3	E 4.7	E 3.5
11	0	0	176	E 5.7	E 505	E 219	E 95.2	E 163	E 11.9	E 4.3	E 4.7	E 4.0
12	0	0	179	E 2.2	E 1,240	E 307	E 95.2	E 163	E 4.2	E 4.4	E 4.7	E 4.0
13	0	0	181	E 1.7	E 483	E 405	E 101	E 151	E 4.0	E 4.4	E 4.6	E 5.0
14	0	0	183	E 1,040	E 126	E 203	E 101	E 53.3	E 3.7	E 4.5	E 4.6	E 4.0
15	0	0	185	E 558	E 105	E 105	E 1,150	E 97.6	E 4.3	E 4.5	E 4.6	E 3.5
16	0	0	185	E 1,490	E 99.9	E 70.6	E 136	E 109	E 3.6	E 4.6	E 4.5	E 3.5
17	0	0	E 316	E 39.6	E 85.8	E 55.4	E 63.8	E 109	E 4.0	E 4.6	E 4.5	E 3.3
18	0	0	118	E 3.9	E 105	E 67	E 87.6	E 109	E 4.0	E 4.6	E 4.5	E 3.0
19	0	0	159	E 173	E 163	E 81	E 147	E 74.8	E 4.0	E 4.7	E 4.4	E 2.5
20	0	0	170	E 3.3	E 163	E 109	E 204	E 4.6	E 4.0	E 4.7	E 4.4	E 3.5
21	0	0	159	E 1.7	E 126	E 207	E 400	E 88.6	E 4.0	E 4.8	E 4.3	E 3.5
22	0	0	99.8	E 1.5	E 129	E 700	E 169	E 88.6	E 4.0	E 4.8	E 4.3	E 3.5
23	0	0	51.4	E 1.6	E 237	E 76.6	E 157	E 107	E 4.0	E 4.9	E 4.2	E 3.5
24	0	0	22	E 36.4	E 251	E 68.4	E 151	E 115	E 4.0	E 4.9	E 4.2	E 3.0
25	0	0	E 69	E 122	E 251	E 69.4	E 212	E 126	E 4.0	E 4.9	E 4.1	E 3.5
26	0	14.1	E 975	E 131	E 244	E 85.4	E 169	E 132	E 4.0	E 5.0	E 4.1	E 3.0
27	0	61.9	E 269	E 114	E 244	E 93.4	E 146	E 126	E 4.0	E 5.0	E 4.0	E 3.5
28	0	72.2	E 1,690	E 110	E 1,970	E 120	E 209	E 120	E 4.0	E 5.0	E 4.0	E 5.0
29	0	91	E 22	E 95.2		E 132	E 163	E 109	E 4.0	E 5.0	E 4.0	E 4.5
30	0	127	E 11	E 95.2		E 258	E 182	E 114	E 4.0	E 5.0	E 4.0	E 4.0
31	0		E 5.0	E 108		E 469		E 109		E 5.0	E 4.0	
MEAN	0	12.2	215	203	489	665	194	122	34.5	4.6	4.5	11.7
	0	727	13,200	12,440	27,180	40,930	11,540	7,470	2,060	296	276	695

YEAR OR PERIOD — MEAN 163 — ACRE-FEET 116,800

STATION NO. F64-R

DAILY DISCHARGE in second-feet of RIO HONDO ABOVE MISSION BRIDGE FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	2.3	1.0	8.6	1.3	1,343	499	7.7	70.4	137	15.6	6.3	4.7
2	2.5	1.1	2.7	1.8	688	20.4	8.1	146	140	9.3	6.2	4.7
3	2.4	1.6	1.8	1.4	7.3	14.3	8.1	143	141	7.9	6.2	4.7
4	2.4	1.1	1.8	2.0	5.4	9.3	8.0	140	138	7.8	6.1	4.7
5	3.0	1.1	1.4	306	4.9	7.7	8.9	137	136	7.8	6.1	4.7
6	2.9	1.4	1.1	32.6	4.7	8.5	8.1	137	136	7.7	6.0	4.7
7	2.4	1.1	1.7	551	4.7	7.3	8.1	136	137	7.7	6.0	4.6
8	2.4	1.1	1.0	57.4	4.4	7.8	7.9	133	133	7.6	5.9	4.6
9	2.4	1.1	1.5	44.6	4.3	7.9	8.7	130	104	7.6	5.9	4.6
10	3.2	104	1.7	28.4	3.8	7.7	7.0	130	76.4	7.5	5.8	4.6
11	3.5	272	1.8	22.4	3.6	17.3	7.4	130	64.6	7.5	5.8	4.6
12	3.6	7.1	2.1	17.4	3.4	23.4	6.6	129	44.6	7.4	5.7	4.6
13	2.6	55	2.0	13.3	65.5	167	6.7	129	7.8	7.4	5.6	4.5
14	4.1	10.4	2.0	62.7	39.3	18.9	6.9	130	8.1	7.3	5.6	4.5
15	7.8	1.5	2.0	211	19.4	13.4	6.6	130	7.1	7.2	5.5	4.5
16	2.1	1.7	4.1	415	15.3	19.6	6.6	130	6.8	7.2	5.5	4.5
17	2.3	1.7	587	47.6	10.3	388	6.5	130	6.5	7.1	5.4	4.5
18	2.0	1.4	2,118	35	211	180	6.6	134	6.4	7.1	5.4	4.5
19	2.2	1.5	426	8.4	10.6	387	7.2	136	41.4	7.0	5.3	4.4
20	7.4	2.1	350	6.0	41.3	154	6.9	136	76.6	7.0	5.3	4.4
21	2.1	375	300	3.8	194	7.5	6.9	136	60.6	6.9	5.2	4.4
22	1.5	38.2	250	3.7	8.2	17.4	6.0	137	51.6	6.9	5.2	4.4
23	2.5	2.7	202	4.5	47.9	5.3	6.5	136	36.6	6.8	5.1	4.4
24	2.6	1.8	3.5	3.8	7.4	5.2	6.0	138	27.6	6.7	5.1	4.3
25	2.1	7.8	1.7	3.7	7.1	5.4	7.9	138	22.6	6.7	5.0	4.3
26	2.1	1.4	1.6	4.0	7.4	5.7	7.7	140	27.4	6.6	5.0	4.3
27	2.1	1.6	1.5	3.8	9.3	1,689	5.7	137	32.6	6.6	4.9	4.3
28	2.1	1.8	1.7	3.8	20.3	441	5.8	142	35.6	6.5	4.9	4.3
29	1.9	2.0	3.7	4.3		201	5.6	136	34.6	6.5	4.8	4.2
30	6.0	2.0	3.3	421		8.1	6.3	136	23.6	6.4	4.8	4.2
31	2.0		1.5	2,193		8.1		136		6.4	4.8	
MEAN	2.9	30.2	138	146	99.7	140	7.1	134	63.5	7.5	5.5	4.5
	180	1,790	8,510	8,960	5,540	8,630	423	8,220	3,780	460	338	267

YEAR OR PERIOD MEAN 64.9
ACRE-FEET 47,100

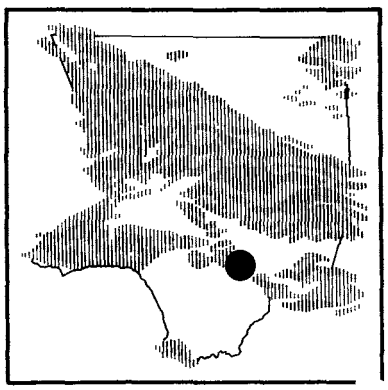
RECORDS INCOMPLETE 1980

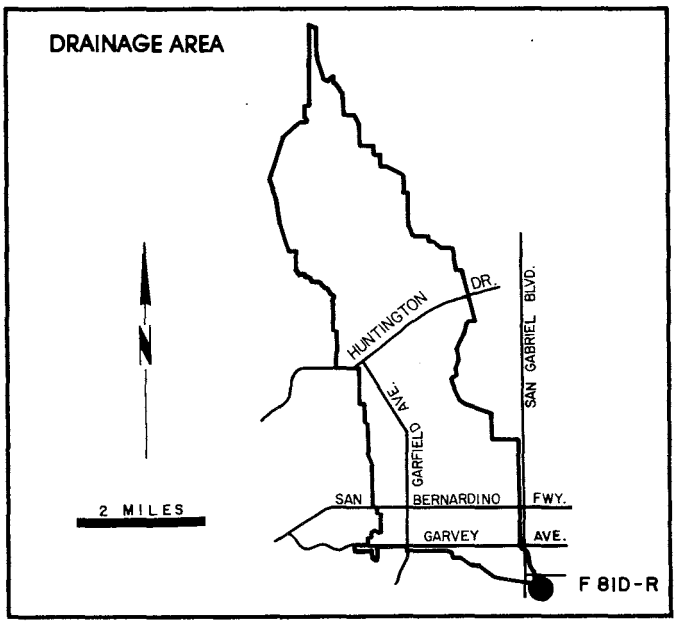
STA. NO. F64-R
RIO HONDO ABOVE MISSION BRIDGE

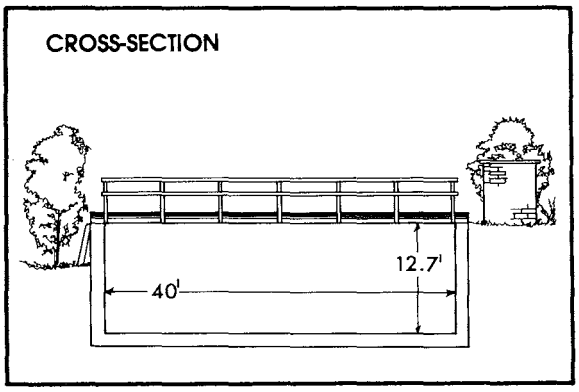
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK MON	PEAK DAY	PEAK CFS
1928-29	586	6.6	22.0	15980	11	14	2400
1929-30	252	8.5	18.6	13430	3	15	1260
1930-31	662	4.8	22.7	16410	2	3	4040
1931-32	5090	3.3	65.6	47560	2	9	6320
1932-33	1670	7.5	27.1	19650	1	19	4410
1933-34	4690	3.3	40.0	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	289.0	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	180.0	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	657	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	699	3	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	161.0	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	104.0	75350	1	26	3030
1961-62	1800	3.4	146.0	106000	1	20	6070
1962-63	1170	1	41.8	30290	3	16	4900
1963-64	794	0	73.4	53270	1	21	6200
1964-65	925	0	108.0	78300	4	9	6590
1965-66	2340	0.4	128.0	92380	12	29	7100
1966-67	2120	3.4	118.0	85810	1	24	8130
1967-68	1490	5.3	118.0	85660	3	8	7900
1968-69	8600	6.6	201.0	145700	1	25	20000
1969-70	1680	5	66.4	48100	2	28	8220
1970-71	2450	2.5	55.0	39850	11	29	8220
1971-72	1520	2	14.0	10150	12	24	5650
1972-73	2150	2.1	57.0	41260	2	11	10910
1973-74	2560	2	31.0	22450	1	7	9020
1974-75	1650	1.4	22.1	15990	12	4	12670
1975-76	1400	0.2	19.7	14050	9	11	9660
1976-77	811	0	37.9	27442	1	3	5380
1977-78	4251	0	161.4	116817			*
1978-79	2193	1	65.4	47017			*
1979-80	*	*	*	*			*

E = ESTIMATE
* = RECORD INCOMPLETE

ALHAMBRA WASH
near Klingerman Street
STATION NO. F81D-R







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.

STATION NO. F81D-R

DAILY DISCHARGE in second-feet of ALHAMBRA WASH NEAR KLINGERMAN ST. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.9	0.6	0.4	0.4	0.6	695	2.8	2.4	0.9	0.6	0.9	0.4
2	0.9	0.6	0.4	0.4	0.4	144	1.9	0.6	0.9	0.6	0.6	0.4
3	0.9	0.6	0.4	21.6	0.4	43.2	0.4	0.4	0.6	0.6	0.9	0.4
4	1.1	0.4	0.6	157	0.3	471	30.7	0.4	0.6	0.6	0.9	0.4
5	0.9	10.7	0.4	4.6	72.2	164	0.4	0.4	0.6	0.6	0.6	47.4
6	0.9	1.4	0.4	42.6	31.1	2.1	54.3	0.3	0.6	0.6	0.6	29.9
7	1.1	0.6	0.4	1.1	93.3	0.9	23.9	0.3	0.6	0.6	1.1	0.6
8	0.9	0.4	0.4	0.6	146	0.9	0.6	0.4	1.4	0.6	0.9	0.4
9	0.9	0.3	0.4	102	510	0.6	0.4	0.4	1.4	0.9	1.1	0.4
10	0.9	0.4	0.4	156	281	0.6	0.4	0.4	1.1	0.6	0.9	0.4
11	0.9	0.3	0.4	1.4	2.3	9.2	0.4	0.4	0.9	0.6	0.9	0.4
12	0.9	0.3	0.6	0.6	190	0.6	0.4	0.4	0.9	0.6	0.9	0.6
13	0.6	0.4	0.4	0.6	62.8	0.6	0.4	0.6	0.9	0.6	0.6	0.6
14	0.6	0.4	0.4	257	0.9	0.4	0.3	0.9	0.6	0.6	0.6	0.9
15	0.6	0.6	0.4	103	0.4	0.4	151	0.6	0.6	0.6	0.6	0.9
16	0.6	0.4	0.4	369	0.4	0.6	4.6	0.6	0.6	0.6	0.6	0.6
17	0.6	0.4	35.6	14.6	0.3	0.4	0.4	0.6	0.6	0.6	0.6	0.6
18	0.6	0.4	50.9	1.1	0.4	0.4	0.6	0.9	0.4	0.6	0.6	0.6
19	0.9	0.4	0.9	51.1	0.3	0.4	0.4	0.9	0.4	0.6	0.6	0.6
20	0.9	0.3	0.6	0.9	0.3	0.4	0.4	0.9	0.4	0.6	0.4	0.4
21	0.9	0.3	0.4	0.4	0.4	17.8	0.3	0.6	0.6	0.9	0.6	0.6
22	0.9	0.4	0.6	0.4	0.3	78.5	0.4	0.6	0.6	0.9	0.6	0.6
23	0.6	0.4	9.9	0.4	0.4	0.6	0.4	0.6	0.6	0.6	0.6	0.6
24	0.9	0.4	0.6	0.4	0.3	0.4	0.6	0.6	0.6	0.9	0.4	0.6
25	0.9	0.4	24.1	0.6	0.3	0.4	14.8	0.6	0.6	0.9	0.6	0.6
26	0.9	0.4	262	0.4	1.2	0.4	0.6	0.6	0.6	1.1	0.6	0.9
27	0.9	0.4	68.9	0.6	1.1	0.4	0.4	0.6	0.6	1.1	0.6	0.9
28	0.9	0.4	369	0.4	404	0.6	0.3	0.6	0.6	1.1	0.9	0.9
29	0.6	0.4	9.1	0.3		0.6	0.4	0.6	0.6	1.4	0.6	0.9
30	0.6	0.4	0.6	0.4		29.7	3.2	0.6	0.6	0.9	0.9	0.9
31	0.6		0.4	1.1		79.8		0.9		0.9	0.4	
MEAN	0.8	0.8	27.1	41.6	64.3	56.3	9.9	0.6	0.7	0.7	0.7	3.1
	50.2	47.2	1,670	2,560	3,570	3,460	587	39.1	41.7	45.6	43	187

YEAR OR PERIOD MEAN 17.2
ACRE-FEET 12,300

STATION NO. F81D-R

DAILY DISCHARGE in second-feet of ALHAMBRA WASH NEAR KLINGERMAN ST. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.9	0.4	1.9	0.4	43.1	79.2	0.4	0.4	0.6	0.6	0.9	0.6
2	0.6	0.4	0.4	0.3	78.3	0.4	0.4	0.6	0.4	0.6	0.9	0.6
3	0.9	0.4	0.4	0.3	1.1	0.3	0.4	0.6	0.4	0.6	0.9	0.6
4	0.9	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.6	0.6	0.6	0.6
5	0.6	0.4	0.4	303	0.4	0.3	0.4	0.4	0.6	0.6	0.6	0.6
6	0.6	0.4	0.4	28.5	0.4	0.6	0.4	0.4	0.6	0.6	0.6	0.6
7	0.6	0.4	0.9	0.4	0.6	0.4	0.4	0.4	0.6	0.6	0.6	0.6
8	0.6	0.4	0.3	0.4	0.4	0.4	0.3	0.4	0.4	0.6	0.6	0.6
9	0.6	0.4	0.4	11.6	0.4	0.3	0.4	0.4	0.4	0.6	0.9	0.6
10	0.6	24.7	0.3	0.4	0.4	0.3	0.3	0.4	0.4	0.6	0.9	0.6
11	0.6	70.8	0.4	0.4	0.3	0.3	0.4	0.4	0.6	0.9	0.6	0.9
12	0.6	2.3	0.4	0.4	0.3	0.4	0.4	0.4	0.6	0.9	0.6	0.9
13	0.6	14.9	0.4	0.3	3.5	27.3	0.3	0.4	0.6	0.6	0.9	1.1
14	0.9	1.8	0.4	41.7	26.3	0.9	0.4	0.6	0.9	0.6	0.9	0.9
15	0.6	0.4	0.4	203	0.4	0.4	0.4	0.6	0.6	0.6	1.1	0.9
16	0.6	0.4	2.5	77.8	0.3	8.6	0.4	0.6	0.6	0.6	0.6	0.9
17	0.9	0.4	87.6	2.6	0.3	120	0.4	0.6	0.6	0.6	0.9	0.9
18	0.6	0.3	118	25.8	0.3	45.4	0.4	0.9	0.4	0.6	0.6	0.9
19	0.6	0.4	26.5	0.4	0.6	82	0.6	0.6	0.4	0.6	0.6	0.9
20	1.1	0.4	0.4	0.4	33.7	27.3	0.6	0.6	0.6	0.6	0.6	0.9
21	0.9	108	0.4	0.3	187	0.6	0.6	0.6	0.6	0.6	0.9	0.9
22	0.6	13.2	0.4	0.3	0.9	6.4	0.4	0.6	0.6	0.6	0.6	1.1
23	0.6	0.6	0.4	0.9	40.7	0.4	0.4	0.6	0.6	0.6	0.6	0.9
24	0.6	0.4	0.4	0.4	0.4	0.6	0.4	0.6	0.6	0.6	0.6	0.9
25	0.6	0.4	0.3	0.3	0.3	0.9	0.6	0.6	0.6	0.6	0.6	0.9
26	0.6	0.3	0.4	0.6	0.4	0.9	0.4	0.6	0.6	0.6	0.6	0.9
27	0.6	0.3	0.4	0.4	0.3	836	0.4	0.4	0.6	0.6	0.6	0.9
28	0.6	0.4	0.4	0.3	0.3	276	0.4	0.4	0.6	0.6	0.6	0.6
29	0.6	0.4	0.4	0.3		111	0.4	0.6	0.6	0.6	0.6	0.6
30	0.6	0.4	0.4	271		0.6	0.4	0.6	0.6	0.6	0.6	0.6
31	0.9		0.4	193		0.4		0.6		0.6	0.6	
MEAN	0.7	8.2	8.0	37.6	15.1	52.5	0.4	0.5	0.6	0.6	0.7	0.8
	42	486	490	2,310	837	3,230	24.8	32.3	33.5	38.1	43.2	46.6

YEAR OR PERIOD MEAN 10.5
ACRE-FEET 7,610

STATION NO. F81D-R

DAILY DISCHARGE in second-feet of ALHAMBRA WASH NEAR KLINGERMAN ST. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.6	1.4	1.6	0.4	0.4	0.3	0.6	1.1	0.9	0.9	0.6	0.4
2	0.6	1.4	1.4	0.4	0.3	241	0.4	0.4	0.6	1.1	0.9	0.4
3	0.6	1.1	1.4	0.4	0.3	89.4	0.4	0.6	0.6	0.9	0.9	0.6
4	0.6	1.1	1.4	0.4	0.3	1.1	0.4	0.6	0.6	0.6	0.6	1.1
5	0.6	1.1	1.4	0.4	0.3	109	0.4	0.6	0.6	0.6	0.9	1.1
6	0.6	1.1	1.4	0.4	0.3	109	0.9	0.6	0.9	0.6	0.6	0.9
7	0.6	4.0	1.1	0.9	0.4	1.4	0.6	0.6	0.6	0.6	0.6	0.9
8	0.6	7.0	1.1	1.6	0.6	0.4	0.6	0.4	0.6	0.6	0.6	0.9
9	0.9	5.2	1.1	420	0.4	0.3	0.6	0.4	0.9	0.9	0.6	0.9
10	0.9	3.4	1.1	122	0.4	0.4	0.6	10	0.9	0.9	0.9	0.9
11	0.9	2.3	1.1	147	0.6	0.4	0.6	0.6	1.1	0.6	0.9	1.1
12	0.6	1.6	0.9	46.6	0.4	0.3	0.6	0.4	0.9	0.6	0.6	1.1
13	0.6	1.1	0.9	48.1	349	0.3	0.6	0.4	0.9	0.6	0.6	0.9
14	0.6	0.9	0.6	21.2	629	0.4	0.6	0.6	1.1	0.6	0.6	1.1
15	0.6	0.9	0.6	0.9	641	0.4	0.6	0.4	1.1	0.6	0.6	1.6
16	0.9	0.6	0.6	0.6	1,240	0.4	0.6	0.4	1.1	0.6	0.6	1.1
17	1.4	0.6	0.6	16.4	225	0.4	0.6	0.4	0.9	0.6	0.9	1.1
18	0.9	0.6	0.6	6.3	273	50.4	0.4	0.4	0.9	0.6	0.6	1.1
19	1.1	0.6	0.6	0.4	261	5.0	0.6	0.4	0.6	0.6	0.6	0.9
20	74.9	0.9	0.6	0.4	114	0.4	0.4	0.4	0.9	0.4	0.6	0.9
21	5.2	0.9	1.6	0.6	61.7	2.0	0.4	1.6	0.6	0.4	0.6	0.9
22	4.0	1.1	1.8	0.4	4.6	0.6	1.8	0.6	0.6	0.6	0.6	0.6
23	3.4	1.1	1.6	0.3	13.1	0.6	0.9	0.9	0.6	0.6	0.6	0.6
24	2.8	0.9	58.6	0.3	14.6	0.4	0.6	0.4	0.6	0.6	0.6	0.9
25	2.6	0.9	13.1	0.4	7.6	24.7	0.6	0.4	0.6	0.6	0.6	0.9
26	2.6	1.1	2.6	0.3	0.6	30.1	0.6	0.4	0.6	0.6	0.6	0.9
27	2.3	1.1	1.1	10	0.3	0.9	0.4	0.6	0.6	0.6	0.6	0.9
28	2.1	1.1	0.6	506	0.3	0.6	12.1	0.6	0.9	0.6	0.6	0.6
29	1.8	1.4	0.4	278	0.3	0.4	1.6	0.9	0.9	0.6	0.6	0.6
30	1.4	1.6	0.4	17.3		0.6	2.3	0.6	0.9	0.6	0.6	0.6
31	1.4		0.4	0.9		0.6		0.6		0.6	0.6	
MEAN	3.8	1.6	3.3	53.2	132	21.7	1.1	0.9	0.8	0.6	0.7	0.9
	235	95.4	203	3,270	7,620	1,330	64.3	54.1	46.8	39.5	40.5	52.6

YEAR OR PERIOD MEAN 18.4
ACRE-FEET 13,050

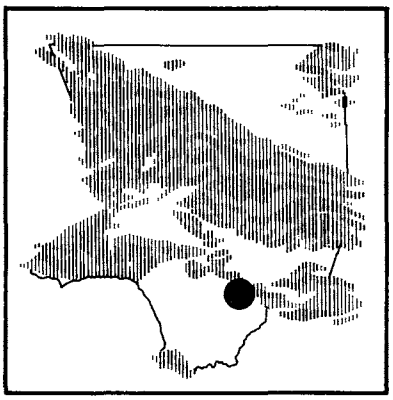
STA. NO. F81D-R
ALHAMBRA WASH NEAR KLINGERMAN STREET

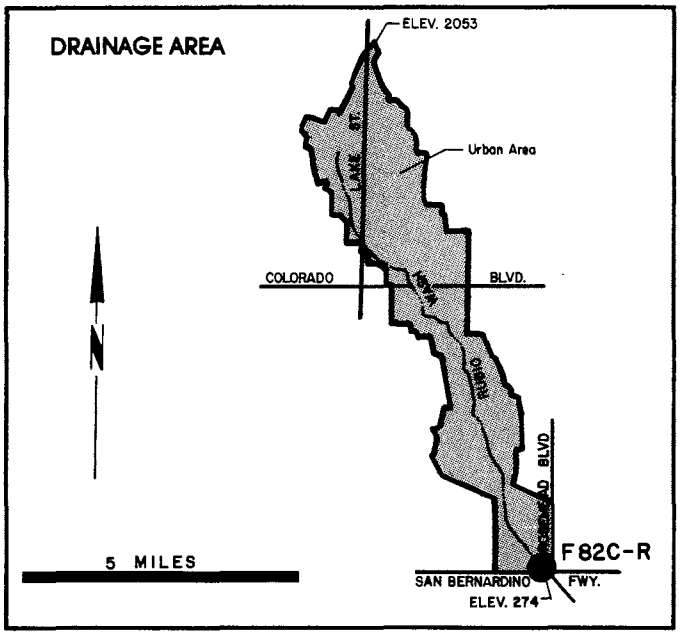
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK MON	PEAK DAY	PEAK FLOW CFS
1929-30	N.D.	0	N.D.	635	3	14	1870
1930-31	226	0	2.1	1480	2	3	1530
1931-32	220	0	2.7	1940	1	31	1120
1932-33	418	0	2.3	1680	1	19	1850
1933-34	1770	0	8.0	5820	1	1	4890
1934-35BC	219	0	3.3	2380	1	5	2280
1935-36D	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	196	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
1972-73	555	0.3	12.6	9110	2	11	4450
1973-74	813	0.3	7.9	5720	1	7	4330
1974-75	429	0.3	5.6	4070	12	4	6000
1975-76	274	0.3	5.3	3790	2	5	1820
1976-77	252	0.3	6.0	4340	10	22	1770
1977-78	695	0.3	17.0	11927	3	1	5950
1978-79	836	0.3	10.5	7614	3	27	4484
1979-80	1240	0.3	18.4	13051	2	16	6660

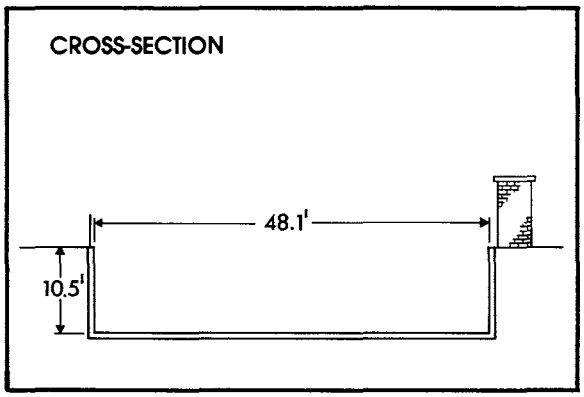
BC = RECORD BEGAN AT B LOCATION 10-01-34, AT C LOCATION 02-25-35.
D = RECORD BEGAN AT D LOCATION 09-02-36.
N.D. = NOT DETERMINED
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

STATION DATA SUMMARY

RUBIO WASH
at Glendon Wash
STATION NO. F82C-R







RECORDER- 15 minute punched tape.
METHOD OF MEASUREMENTS- low flows measured by wading. High flows measured from footbridge at station.
DRAINAGE AREA- 10.9 square miles.
LOCATION- on the east side of channel, 10 feet south of the westerly extension of Glendon Way, Rosemead.
REGULATION- flow partly regulated by Las Flores and Rubio debris basins.
CHANNEL- rectangular concrete.
CONTROL- channel forms control.
LENGTH OF RECORD- see station summary.

STATION NO. F82C-R

DAILY DISCHARGE in second-feet of RUBIO WASH AT GLENDON WAY — FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.2	0.1	0.1	0.1	0.1	531	1.9	2.5	+	0.1	0.1	0.1
2	0.2	0.1	0.1	0.1	0.1	134	2.6	0.4	+	0.1	+	0.1
3	0.2	0.1	0.1	12.9	0.1	20.4	0.1	0.2	+	0.1	+	0.1
4	0.4	0.1	+	143	0.1	454	42.4	0.2	+	0.1	+	0.1
5	0.4	4.9	0.1	1.4	45.8	108	1.0	0.1	+	0.1	+	25.8
6	0.2	0.4	+	37.5	20.3	1.0	74.6	0.1	0.2	1.9	+	16.6
7	0.2	0.1	0.2	0.4	58.9	0.1	32.6	0.1	0.1	1.9	+	2.5
8	0.1	0.1	0.1	0.1	92.1	0.1	1.4	0.1	+	0.6	+	1.0
9	0.2	0.1	0.1	77.9	392	0.1	0.1	0.1	0	0.2	+	0.6
10	0.4	0.1	0.1	138	170	0.1	+	0.1	0	0.1	+	0.4
11	0.2	0.1	+	1.9	0.4	11.7	0.1	0.1	+	+	0	0.2
12	0.2	0.1	0.1	0.4	136	1.0	0.1	0.1	0.1	+	0	0.1
13	0.2	0.1	0.1	0.2	44.7	0.1	0.1	0.1	0.1	0.1	0	0.1
14	0.2	+	0.1	202	0.6	0.1	0.1	0.1	0.1	0.2	0	0.1
15	0.2	0.1	+	92.2	0.2	0.1	173	0.1	0.1	0.1	0	0.1
16	0.1	0.1	0.1	267	0.1	0.1	1.4	0.1	0.1	0.1	+	0.1
17	0.1	0.1	16	3.6	0.1	0.1	0.2	0.1	0.1	+	+	0.1
18	0.1	0.1	30.7	0.6	0.1	0.1	+	0.1	0.1	0.1	+	0.1
19	0.1	0.1	0.2	34	0.1	0.1	0.1	0.1	0.1	0.1	+	0.1
20	0.1	0.1	0.1	0.4	0.1	+	0.2	0.1	0.1	0.1	+	0.1
21	0.1	0.1	0.1	0.1	0.1	18	+	0.1	0.1	2.5	+	0.1
22	+	0.1	0.1	0.1	0.1	81.1	0.1	0.1	0.1	0.6	+	0.1
23	0.1	0.1	5.6	0.1	0.1	0.4	0.1	0.1	0.1	0.6	0.1	0.1
24	0.1	0.1	0.4	0.1	0.1	0.1	0.1	0.4	0.1	1.9	+	0.1
25	0.2	0.1	9.6	0.1	0.1	0.1	9.3	0.2	0.1	3.6	+	0.1
26	0.2	+	140	0.1	0.2	0.1	1.4	0.2	0.1	4.8	+	0.1
27	0.1	+	60.7	0.1	1.9	0.1	0.2	0.1	0.1	1.0	0.1	0.1
28	0.1	+	305	0.1	263	0.1	0.1	0.1	0.1	0.2	0.1	0.6
29	+	0.1	2.9	0.1		0.1	0.1	0.1	0.1	0.2	0.1	1.0
30	0.1	0.1	0.4	0.1		22.2	0.4	0.1	0.1	0.1	0.1	0.4
31	0.1		+	2.3		67.8		+		0.1	0.1	
MEAN	0.2	0.3	18.5	32.8	43.8	46.8	11.5	0.2	0.1	0.7	0	1.7
	10.1	15.3	1,140	2,020	2,430	2,880	682	12.7	4.4	42.8	1.4	101

YEAR OR PERIOD — MEAN 13 — ACRE-FEET 9,340

STATION NO. F82C-R

DAILY DISCHARGE in second-feet of RUBIO WASH AT GLENDON WAY — FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.4	0.6	1.4	+	30.2	101	0.1	0.1	8.2	1.9	1.9	+
2	0.2	0.2	1.9	+	76.2	1.0	0.1	0.1	8.2	0.6	0.6	+
3	0.2	0.6	0.6	+	3.6	0.2	0.1	0.2	8.2	0.4	0.4	+
4	0.2	1.0	0.4	0.1	0.6	0.1	0.1	0.1	9.4	0.2	0.2	+
5	0.1	0.4	0.2	319	0.2	0.1	0.1	0.1	9.4	0.1	0.1	+
6	0.1	0.2	0.1	14	0.2	0.1	0.1	0.1	10.5	0.1	0.1	+
7	0.1	0.2	0.1	0.4	0.2	0.1	0.1	0.2	10.5	0.1	0.1	+
8	0.1	0.2	+	0.1	0.1	0.1	0.1	4.8	10.5	+	+	+
9	0.1	0.2	+	9.6	0.1	0.1	0.1	2.5	9.4	0.1	+	+
10	0.1	37.9	+	0.4	0.1	0.1	+	1.0	7.1	0.1	+	+
11	0.1	68.4	+	0.1	0.1	0.1	+	0.6	7.1	0.1	+	+
12	0.1	1.9	+	0.1	0.1	0.1	0.1	5.9	7.1	0.1	+	+
13	0.1	10.1	0.1	+	1.0	4.0	1.0	5.9	7.1	0.1	+	+
14	0.6	2.5	0.1	47.1	25	1.8	1.0	5.9	7.1	0.1	+	+
15	8.2	0.4	0.1	215	1.0	1.4	0.4	5.9	8.2	+	+	+
16	1.4	0.1	2.0	87.3	0.2	8.7	0.2	5.9	10.5	+	+	+
17	0.4	0.1	89.8	1.9	0.1	43.4	0.4	5.9	10.5	+	+	+
18	0.2	0.1	138	19.2	0.1	38.1	1.0	8.2	10.5	+	+	+
19	0.2	0.1	39.2	1.4	0.1	65.5	0.4	7.1	9.4	0.1	+	+
20	4.8	0.1	1.0	0.2	35.6	35.2	0.2	7.1	8.2	0.1	+	+
21	1.4	91.4	0.4	0.1	176	1.9	0.1	7.1	9.4	+	+	+
22	0.4	7.1	0.2	0.1	2.5	7.0	0.1	7.1	9.4	+	+	+
23	0.2	1.9	0.1	0.1	40.9	0.6	1.0	8.2	9.4	+	+	+
24	0.1	0.4	0.1	0.1	0.6	0.1	3.6	8.2	9.4	+	+	+
25	0.1	0.1	0.1	0.1	0.1	0.1	1.9	8.2	9.4	+	+	+
26	0.1	0.1	0.1	+	0.1	0.1	0.6	7.1	8.2	+	+	+
27	0.1	0.1	0.1	+	0.1	153	0.4	8.2	7.1	+	+	+
28	0.1	0.1	0.1	4.9	0.1	49	0.2	7.1	8.2	+	+	+
29	0.1	0.4	0.1	1.0		22.5	0.2	9.4	7.1	+	+	+
30	0.4	0.4	0.1	246		0.6	0.1	9.4	4.8	+	+	+
31	1.9		0.1	192		0.2		8.2		1.0	+	
MEAN	0.7	7.6	8.9	37.4	14.1	17.3	0.5	5.0	8.6	0.2	0.1	+
	44.8	451	548	2,300	784	1,060	27.4	309	515	10.3	6.7	+

YEAR OR PERIOD — MEAN 8.4 — ACRE-FEET 6,060

STATION NO. F82C-R

DAILY DISCHARGE in second-feet of RUBIO WASH AT GLENDON WAY — FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	+	0.1	0.1	0.4	0.1	9.4	0.1	0.4	0.6	0.2	0.4	0.2
2	+	0.1	0.1	0.1	0.1	161	0.1	0.4	1.0	0.4	0.4	0.2
3	+	0.1	0.1	0.6	0.1	34.5	0.1	0.2	1.0	0.4	0.4	0.4
4	+	0.1	0.1	0.1	0.1	1.4	0.1	0.2	1.0	0.4	0.4	0.4
5	+	0.1	0.1	0.1	0.2	71.9	0.1	0.2	0.6	0.4	0.2	0.4
6	+	0	0.1	0.1	0.1	70.6	0.1	0.2	0.2	0.4	0.2	0.2
7	+	5.7	0.1	7.6	0.1	5.9	0.4	0.1	0.1	0.2	0.4	0.2
8	+	8.6	0.4	0.4	0.1	1.4	0.2	0.1	+	0.2	0.4	0.2
9	+	2.5	0.6	227	0.1	0.4	0.2	0.1	0.2	0.4	0.2	0.2
10	+	1.0	0.6	82.2	0.1	0.6	0.2	6.8	0.2	0.2	0.4	0.2
11	+	0.6	0.4	76.5	0.1	0.4	0.4	0.2	0.2	0.2	0.4	0.2
12	+	0.4	0.2	25.6	0.1	0.4	0.2	0.2	0.2	0.2	0.4	0.2
13	+	0.2	0.1	34.3	220	0.4	0.4	0.4	0.2	0.2	0.4	0.2
14	+	0.2	0.1	18.3	316	0.4	0.4	0.2	0.2	0.2	0.6	0.2
15	+	0.1	0.4	0.6	445	0.2	0.4	0.1	0.2	0.2	0.6	0.1
16	+	0.1	0.2	1.6	781	0.2	0.4	0.1	0.4	0.2	0.4	0.2
17	+	0.1	0.1	14.2	140	0.4	0.4	0.1	0.2	0.2	0.4	0.2
18	+	0.1	0.1	4.7	159	36	0.4	+	0.2	0.4	0.6	0.2
19	4.8	0.1	0.1	0.1	238	1.9	0.4	0.2	0.2	0.2	0.2	0.1
20	90.3	0.1	0.1	0.1	73.3	1.4	0.4	0.2	0.4	0.2	0.2	0.2
21	2.5	0.1	4.8	0.1	55.6	1.9	0.4	4.8	0.2	0.4	0.2	0.1
22	1.9	0.1	4.8	0.1	1.0	0.2	4.8	3.6	0.2	0.4	0.2	0.1
23	1.9	0.1	1.9	0.1	0.6	0.1	1.9	2.5	0.2	0.4	0.2	+
24	1.0	0.1	38.8	0.1	7.1	0.1	0.6	0.6	0.2	0.2	0.2	0.2
25	1.0	0.1	8.2	0.1	8.2	9.2	0.4	1.0	0.2	0.2	0.4	0.1
26	0.6	0.1	3.6	0.1	7.1	13.9	0.4	1.0	0.1	0.2	0.4	+
27	0.6	0.1	0.6	5.3	10.5	0.4	0.2	3.6	0.2	0.2	0.4	+
28	0.6	0.1	0.2	269	16.1	0.6	6.7	2.5	0.2	0.2	0.2	0.1
29	0.2	0.1	0.1	246	11.7	0.1	1.0	1.4	0.6	0.2	0.4	0.1
30	0.2	0.1	0.4	1.0		0.1	2.5	1.0	0.2	0.4	0.4	+
31	0.2		0.1	0.1		0.2		0.6		0.6	0.2	
MEAN	3.4	0.7	2.2	32.8	85.9	13.7	0.8	1.1	0.3	0.3	0.3	0.2
	210	42.2	134	2,020	4,940	844	48.2	65.5	19	17.5	21.4	10.1

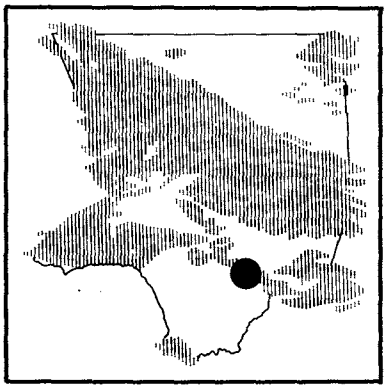
YEAR OR PERIOD — MEAN 11.8 — ACRE-FEET 8,370

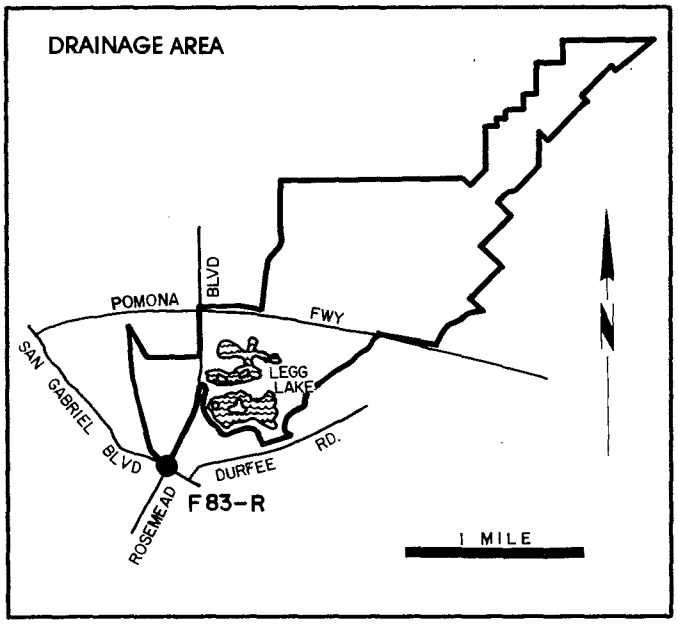
STA. NO. F82C-R
RUBIO WASH AT GLENDON WAY

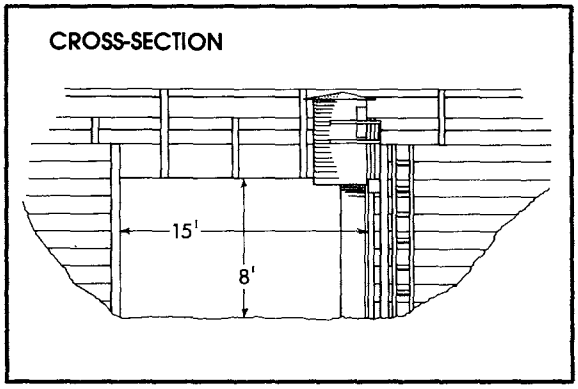
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1929-30	81	0	1.5	1060	3	14	661
1930-31B	107	0	1.5	1110	2	3	1690
1931-32	124	0	2.1	1490	11	27	798
1932-33	234	0	1.5	1110	1	16	1510
1933-34	684	0	3.6	2580	12	31	2070
1934-35	134	0	2.4	1770	10	17	1680
1935-36	81	0	1.8	1280	2	22	1370
1936-37C	186	0	3.9	2800	12	27	1180
1937-38	802	0	5.8	4180	3	2	2400E
1938-39	250	0	3.3	2370	1	5	1720
1939-40	122	0	2.4	1720	1	7	1000
1940-41	200	0	8.1	5890	3	3	1940
1941-42	130	0	2.1	1530	12	10	1200
1942-43	697	0	6.2	4520	3	4	2780
1943-44	393	0	4.4	3190	2	22	1930
1944-45	152	0	2.1	1540	11	11	1780
1945-46	244	0	2.5	1840	12	22	1630
1946-47	233	0	3.2	2300	11	13	2650
1947-48	91	0	1.5	1080	3	24	2090
1948-49	59	0	1.5	1080	10	30	530
1949-50	161	0	2.3	1690	2	6	1060
1950-51	80	0	1.4	1010	1	11	2290
1951-52	335	0	7.3	5300	1	16	3020
1952-53	133	0	2.0	1460	11	15	2200
1953-54	288	+	3.4	2490	1	19	2310
1954-55	126	+	2.6	1870	1	18	1290
1955-56	639	0	4.0	2880	1	26	1970
1956-57	199	+	3.2	2290	2	23	2980
1957-58	286	0.1	7.7	5610	2	19	2740
1958-59	218	0.2	2.8	2030	1	6	2780
1959-60	135	0.2	2.5	1820	1	11	985
1960-61	117	0.2	1.8	1270	11	6	902
1961-62	281	0.1	5.7	4120	1	20	1200
1962-63	246	0.1	2.4	1760	2	9	1180
1963-64	136	0.2	2.6	1870	1	21	1570
1964-65	164	0.1	2.8	2030	4	9	2040
1965-66	466	0.1	6.4	4650	11	24	2300
1966-67	344	0.2	7.2	5220	12	3	2040
1967-68	343	0.2	4.0	2930	3	8	2460
1968-69	712	0.2	11.4	8220	1	25	2890
1969-70	**	**	**	**	2	28	2540
1970-71	**	**	**	**	11	29	3700
1971-72	**	**	**	**	12	24	1240
1972-73	410	0	7.0*	5041*	2	11	3166
1973-74	460	0.2	5.5	3950	1	7	1985
1974-75	328	0.3	4.5	3240	12	4	3180
1975-76	373	0.2	4.1	2920	9	10	2070
1976-77	180	0.1	4.4	3187	10	23	2610
1977-78	531	0	12.9	9340			*
1978-79	176	0	8.4	6056	2	21	2680
1979-80	781	0	11.8	8372	1	29	4594

B = RECORD BEGAN AT B LOCATION OCTOBER 1, 1930
C = RECORD BEGAN AT C LOCATION NOVEMBER 6, 1936
E = ESTIMATE
* = RECORD INCOMPLETE
** = RECORD NOT COMPUTED
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0

MISSION CREEK
at San Gabriel Boulevard
STATION NO. F83-R







RECORDER- continuous water stage.
METHOD 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.

STATION NO. F83-R

DAILY DISCHARGE in second-feet of MISSION CREEK AT SAN GABRIEL BLVD. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	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	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0

YEAR OR PERIOD MEAN 0
ACRE-FEET 0

RECORDS INCOMPLETE 1979

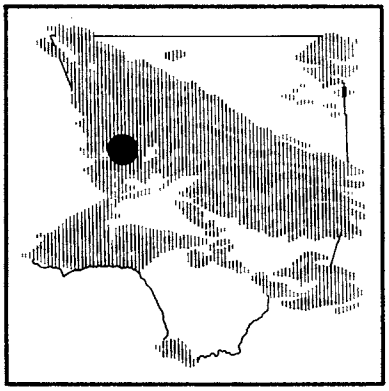
RECORDS INCOMPLETE 1980

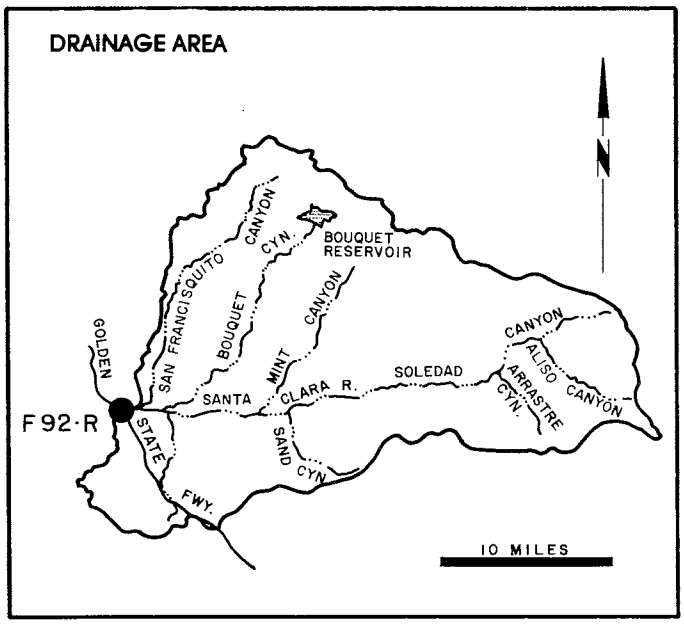
STA. NO. F83-R
MISSION CREEK AT SAN GABRIEL BOULEVARD

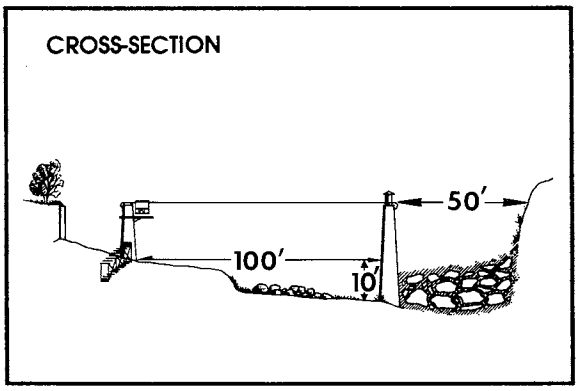
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK MON	PEAK DAY	PEAK CFS
1929-30	20	14	17.0	12290	2	3	20
1930-31	37	12	16.3	11820	2	4	49
1931-32	37	13	16.7	12120	2	8	44
1932-33	32	11	16.2	11720	1	29	51
1933-34	84	7.6	12.5	9030	1	1	166
1934-35	18	9	12.6	9140	4	8	32
1935-36	26	9.5	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	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	0.1	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	0.8	606	2	9	2
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
1964-65	0.2	0	+	0.6	4	9	1.9
1965-66	4	0	0.2	120	12	29	4
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
1972-73	5.1	0	0.1	38	2	11	12
1973-74	15	0	0.2	117	1	8	22
1974-75	0.2	0	+	0.6	2	3	2
1975-76	1.6	0	+	4.2	9	11	23
1976-77	+	0	+	+			N.D.
1977-78	0	0	0.0	0			0
1978-79	*	*	*	*			*
1979-80	*	*	*	*			*

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

SANTA CLARA RIVER
below Highway 5
STATION NO. F92-R







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, and September 24, 1956 to date. at Station F92B-R, October 1, 1938 to September 24, 1956.

REMARKS- subject to diversions for irrigation.

STATION NO. F92-R

DAILY DISCHARGE in second-feet of SANTA CLARA RIVER AT RAILROAD BRIDGE FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.0	0.1	+	0	1.6	1,270	30.4	18.4	4.8	7.5	2.5	2.8
2	0.7	0.3	+	0	1.6	804	25.3	15.3	4.8	6.8	1.2	3.1
3	0.6	0.4	0.3	0.6	1.6	281	25.3	16.9	6.8	6.1	3.2	2.5
4	0.6	0.4	1.3	295	1.4	8,610	32.7	18.4	6.5	5.1	4.4	3.6
5	1.2	1.1	1.3	3.5	4.6	2,050	38.5	18.4	6.1	6.1	4.4	6.0
6	1.6	0.4	0.4	9.4	3.8	217	46.7	16.9	8.0	4.4	4.4	1.5
7	1.0	0.3	+	0	7.4	212	55.5	15.3	6.5	4.8	5.1	0.7
8	1.9	0.3	0.1	0	73.3	189	38.5	16.1	6.8	5.3	4.8	0.6
9	3.7	0.3	0.4	82.7	5,640	195	40.2	12.2	6.8	5.5	4.8	1.9
10	1.3	0.3	0.6	519	A 5,000	148	38.5	12.2	6.5	5.8	5.5	4.4
11	1.0	0.4	0.4	19.4	A 180	131	40.2	11.7	6.5	6.1	5.8	3.8
12	1.2	0.6	0.6	1.8	A 250	95.9	45.5	10.3	7.2	4.8	4.8	2.5
13	0.7	0.4	0.6	4.4	A 250	84.5	45.5	8.9	7.2	4.4	3.6	2.0
14	0.9	0.4	1.3	298	A 190	77	47.2	9.4	7.2	3.3	2.5	2.0
15	1.5	0.4	1.5	454	113	60.3	99.5	9.8	6.1	3.1	1.5	1.8
16	0.9	0.6	1.4	1,240	104	53.4	51.8	10.3	6.5	4.1	2.7	2.3
17	0.7	0.7	2.9	354	101	51.7	36.7	10.3	6.5	4.4	3.8	2.8
18	0.6	0.9	2.4	13.7	89.5	53.4	28	10.8	6.1	3.3	3.3	3.3
19	0.7	0.7	1.1	11.5	77	56.8	24.6	10.3	5.5	4.1	2.5	3.8
20	0.7	0.3	0.2	3.8	74.5	51.7	22.3	9.8	5.1	4.8	2.3	4.1
21	1.8	0.6	1.3	2.9	56.8	52.7	22.3	8.0	4.4	5.1	2.3	4.4
22	2.0	0.6	0.2	2.4	60.2	70	21.1	8.0	4.8	5.5	3.1	4.8
23	0.9	0.4	0.2	2.6	72	33.7	21.1	8.4	5.1	6.1	3.6	4.8
24	1.2	+	0.4	2.4	69.5	29.4	22.3	7.5	4.1	5.1	4.8	4.4
25	0.8	+	0.3	2.6	69.5	32.6	20	7.5	6.1	4.8	5.1	4.1
26	0.7	0.1	171	2.3	67	33.7	19.2	8.0	7.2	3.8	5.5	3.6
27	0.7	0.1	46.3	2.1	69.5	30.4	20	7.5	5.8	1.2	5.8	4.4
28	0.7	0.6	1,100	2.1	359	28.2	21.1	6.5	7.5	1.5	5.5	4.8
29	0.7	0.3	11.9	2.1		30.4	21.1	6.1	8.0	1.8	4.8	4.1
30	0.4	0.1	2.5	2.0		41.4	22.3	5.5	6.5	1.3	4.1	2.5
31	0.1		1.2	1.8		69.3		4.8		1.8	3.3	
MEAN	1.0	0.4	43.6	108	464	488	34.1	11	6.2	4.4	3.9	3.2
	64.5	24	2,680	6,620	25,760	30,040	2,030	673	371	273	240	193

YEAR OR PERIOD MEAN 97.3

ACRE-FEET 68,970

STATION NO. F92-R

DAILY DISCHARGE in second-feet of SANTA CLARA RIVER AT RAILROAD BRIDGE FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.2	1.2	2.8	B 3.1	43.1	34.5	43.5	11.3	8.9	10.3	7.0	6.2
2	1.2	1.8	2.8	B 3.1	23.2	21.2	43.5	14.4	8.9	10.3	7.0	5.5
3	1.8	2.0	2.5	B 3.1	16.5	16.8	43.5	11.8	8.9	9.4	6.6	5.2
4	2.8	3.6	2.5	B 3.1	11.3	15	43.5	11.3	8.4	9.8	6.2	4.8
5	2.3	3.6	2.5	B 338	10.8	13.2	42.2	11.8	8.0	8.0	5.2	4.8
6	1.5	3.1	2.5	B 102	9.8	13.2	34.1	12.2	8.4	8.0	5.5	5.5
7	1.5	3.8	2.5	B 42.2	10.3	12.2	27.1	11.8	8.0	8.4	5.2	6.2
8	1.0	4.8	2.5	B 27.1	10.3	13.2	23.3	12.2	8.0	7.7	4.8	6.2
9	1.0	6.1	2.5	B 17	12.2	14.4	21.2	12.2	8.4	7.7	4.6	5.2
10	1.3	7.0	2.5	B 9.4	11.8	14.4	20.6	12.2	8.9	8.9	4.1	4.3
11	1.3	11.7	2.3	B 4.6	11.3	12.2	21.2	13.8	8.9	8.4	3.8	4.6
12	1.8	4.1	2.3	B 4.1	12.2	16.2	19.9	13.8	8.9	8.0	3.8	5.9
13	2.5	6.7	2.8	B 4.1	14.2	13.8	18.6	10.3	8.0	8.0	3.8	6.2
14	2.3	5.1	2.5	B 4.1	23.1	10.3	18	8.4	9.4	6.2	4.1	6.6
15	1.5	4.1	3.5	B 315	19.9	10.8	19.2	7.7	8.9	6.2	4.1	4.6
16	1.8	4.1	5.0	B 605	19.2	11.3	18.6	9.8	8.9	7.7	3.8	4.3
17	2.3	4.8	7.5	B 21.5	18	60.7	18.6	10.3	9.4	7.3	4.1	4.3
18	3.1	5.1	20.4	4.1	16.8	33.7	16.2	11.8	8.4	5.9	4.1	5.5
19	2.5	5.1	B 6.7	4.1	18	39.2	18.6	11.8	7.7	5.9	4.3	6.6
20	3.3	5.5	B 3.3	4.1	19.2	28.2	18.6	9.8	8.4	5.9	4.8	6.6
21	3.6	13.6	B 3.3	4.1	64.2	22.1	16.2	9.8	8.0	6.2	5.2	4.6
22	2.8	17.1	B 3.1	4.1	28.2	20.6	16.8	8.9	8.0	6.6	4.8	5.9
23	3.3	4.1	B 3.1	4.1	30	17.4	16.8	8.0	8.4	5.9	4.3	5.2
24	4.4	3.3	B 3.1	4.3	27.1	15	16.8	8.9	7.7	6.2	4.6	5.9
25	3.8	3.1	B 3.1	4.1	29.3	13.2	15.6	9.4	8.0	5.9	4.6	5.9
26	3.6	3.1	B 3.1	4.1	27.1	12.7	13.2	8.9	8.4	5.9	4.3	6.2
27	3.1	3.1	B 3.1	4.1	23.3	192	13.2	8.4	8.4	7.7	4.1	5.5
28	2.0	3.4	B 3.3	4.1	18	581	12.2	8.4	8.9	8.9	4.6	5.2
29	1.5	3.1	B 3.3	4.1*		104	12.2	8.0	8.9	8.0	5.2	5.9
30	2.0	3.1	B 3.1	15.5		47.4	10.8	7.7	9.8	8.0	5.5	6.6
31	1.3		B 3.1	89.1		44.8		8.0		7.3	5.5	
MEAN	2.2	5.0	3.8	53.6	20.7	47.6	22.5	10.4	8.5	7.6	4.8	5.5
	138	298	231	3,290	1,150	2,930	1,340	641	508	465	297	329

YEAR OR PERIOD MEAN 16
ACRE-FEET 11,620

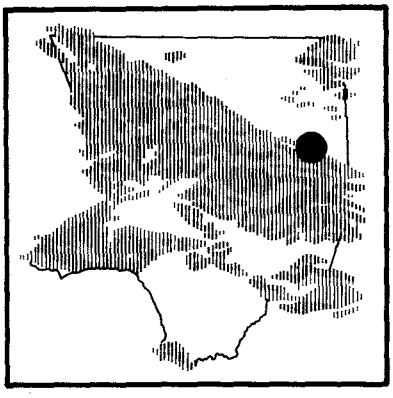
RECORDS INCOMPLETE 1980

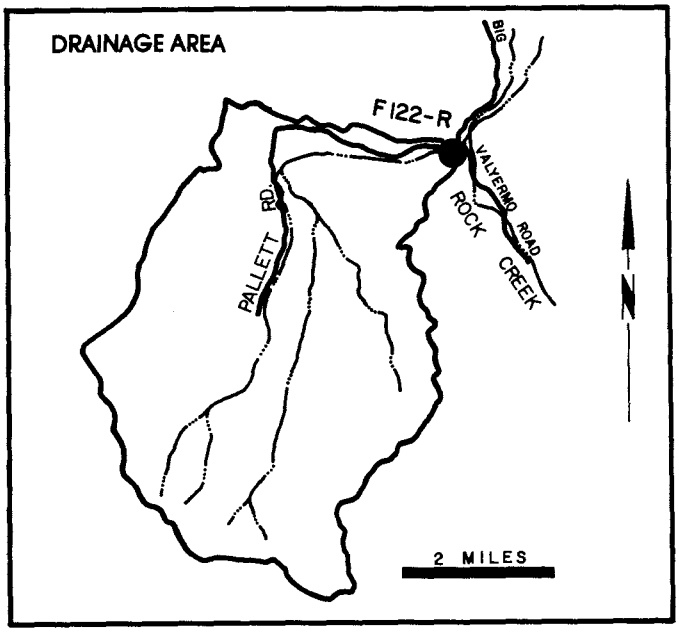
STA. NO. F92-R
SANTA CLARA RIVER AT OLD HIGHWAY BRIDGE

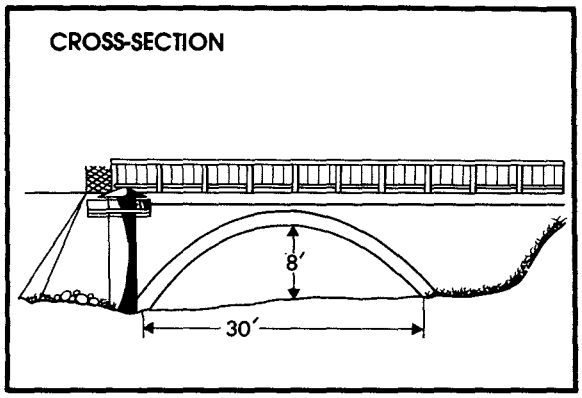
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK MON	PEAK DAY	PEAK FLOW CFS
1929-30	B3	0.2	1.1	793	3	15	193
1930-31	291	0.1	2.6	1890	2	7	2310
1931-32	739	0.1	5.9	4280	2	9	2090
1932-33	90	0	0.7	488	1	19	618
1933-34	448	+	2.2	1600	1	1	3870
1934-35	82	+	1.5	1090	1	5	608
1935-36	113	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	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	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	+	0.3	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	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
1972-73	1470	0.4	13.0	9450	2	11	4760
1973-74	984	1	9.1	6600	1	7	2440
1974-75	187	0.9	5.4	3910	12	4	1120
1975-76	138	+	3.7	2710	9	10	999
1976-77	273	+	3.8	2750	5	8	2510
1977-78	*	*	*	*			*
1978-79	605	1	16.0	11617	3	28	3370
1979-80	*	*	*	*			*

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.
E = ESTIMATE
N.D. = NOT DETERMINED
* = RECORD INCOMPLETE
** = STATION DESTROYED BY FLOOD OF 2-25-69.
+ = LESS THAN 0.05 ACRE FEET OR LESS THAN 0.05 CFS, BUT GREATER THAN 0.

PALLETT CREEK
at Valyermo Highway
STATION NO. F122-R







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 F122-S December 29, 1930 to October 31, 1961. at Station F122-R, October 31, 1961 to date.

STATION NO. F122-R

DAILY DISCHARGE in second-feet of PALLETT CREEK AT VALYERMO HWY. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	22.8	31.5	B 600	608	18	7.0	4.9	2.8	1.9
2	0	0	0	23.9	31.5	B 500	532	15.9	7.0	4.9	2.8	1.9
3	0	0	0	25	28.9	B 400	175	15.9	6.8	4.9	2.6	1.9
4	0	0	0	68.6	27.6	B 1,000	40	17.2	6.8	4.9	2.7	2.0
5	0	0	0	54.2	48.2	B 400	32	17.2	6.6	4.7	2.9	2.2
6	0	0	0	54.2	48.8	B 95	26	15.9	6.3	4.7	2.9	2.0
7	0	0	0	45.2	36.7	77.1	41.1	15.9	6.3	4.5	2.7	1.9
8	0	0	0	38	30.2	90.3	25	15.9	6.1	4.3	2.7	1.9
9	0	0	0	38	424	B 83	23.2	15.4	5.9	4.3	2.6	1.9
10	0	0	0	52.4	1,220	B 71	21	15.4	5.9	4.3	2.6	1.9
11	0	0	0	35.4	B 366	B 58	21.7	14.3	5.7	4.2	2.4	1.9
12	0	0	0	27.6	B 122	B 45.3	22.5	13.7	5.4	4.0	2.4	1.9
13	0	0	0	21.7	B 350	B 32.7	18.7	13.7	5.2	4.0	2.3	1.9
14	0	0	0	51.3	B 105	B 24	16.5	13.7	5.4	3.8	2.3	1.9
15	0	0	0	156	B 80	19.5	35.6	13.2	5.2	3.7	2.3	1.8
16	0	0	0	88.9	B 70	18.7	25.5	12.6	5.2	3.8	2.2	1.8
17	0	0	0	106	62.6	17.2	25	11.5	5.4	3.7	2.3	1.7
18	0	0	0	43.4	54.2	17.2	26	10.6	5.7	3.5	2.3	1.7
19	0	0	0	34.1	50.6	17.2	25	10.3	5.7	3.4	2.3	1.7
20	0	0	0	23.9	50.6	17.2	22.5	10.3	5.2	3.3	2.2	1.6
21	0	0	0	16.2	52.4	17.2	15.4	9.9	5.4	3.3	2.2	1.6
22	0	0	0	15.1	56	21	13.2	9.6	5.7	3.3	2.1	1.6
23	0	0	0	16.2	67	20.2	12.6	9.6	5.4	3.2	2.1	1.6
24	0	0	0	16.2	71.4	18	16.6	8.9	5.2	3.2	2.1	1.5
25	0	0	0	18.4	75.8	18	22.5	8.5	5.0	3.2	2.1	1.5
26	0	0	0	19.5	60.4	16.5	18.7	8.2	5.0	3.0	2.0	1.4
27	0	0	0	21.7	62.6	16.5	18.7	8.2	4.9	3.0	1.9	1.4
28	0	0	63.7	23.9	244	16.5	18.7	7.8	4.9	2.7	1.8	1.3
29	0	0	25	25		17.2	18.7	7.5	4.9	2.4	1.9	1.3
30	0	0	23.9	27.6		26.4	18.7	7.3	4.7	2.3	1.9	1.3
31	0		22.8	30.2		363		7.3		2.1	1.9	
MEAN	0	0	4.4	40	140	133	64.5	12.2	5.7	3.7	2.3	1.7
	0	0	269	2,460	7,790	8,200	3,840	753	337	229	143	103

YEAR OR PERIOD MEAN 34
ACRE-FEET 21,940

STATION NO. F122-R

DAILY DISCHARGE in second-feet of PALLETT CREEK AT VALYERMO HWY. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.3	1.3	1.5	1.6	1.2	1.5	61.5	11.5	5.4	3.0	3.4	1.2
2	1.3	1.4	1.5	1.6	1.2	1.3	47.5	12.1	5.2	3.8	3.3	1.2
3	1.3	1.3	1.4	1.6	1.3	1.3	42.4	11	5.2	4.0	3.3	1.2
4	1.3	1.3	1.4	1.6	1.3	1.3	38.8	11	5.2	3.1	2.9	1.1
5	1.2	1.3	1.4	1.7	1.3	1.3	36.4	11.5	5.2	2.9	2.7	1.1
6	1.2	1.2	1.4	1.8	1.4	1.3	38.8	11.5	5.2	2.8	2.7	1.0
7	1.2	1.2	1.3	1.9	1.5	1.4	38.8	11	5.0	2.9	4.2	0.9
8	1.2	1.2	1.3	1.9	1.5	1.5	37.6	10.6	5.0	2.9	4.0	0.8
9	1.3	1.2	1.3	2.0	1.6	1.4	36.4	10.3	5.0	2.7	3.8	0.6
10	1.3	1.2	1.3	1.9	1.5	1.3	35.2	9.6	4.9	2.6	3.5	0.6
11	1.3	1.3	1.3	1.9	1.6	1.3	32	9.2	4.7	2.7	4.0	0.5
12	1.3	1.4	1.3	1.9	1.6	1.6	31	9.2	4.5	2.8	3.8	0.5
13	1.2	1.3	1.3	1.9	1.7	2.3	30	9.9	4.3	2.7	3.5	0.6
14	1.2	1.3	1.3	1.9	4.2	2.9	29	9.6	4.3	2.7	3.3	0.6
15	1.2	1.3	1.3	2.2	1.6	4.1	29	9.2	4.3	2.7	3.1	0.5
16	1.3	1.3	1.3	2.5	1.2	3.2	29	9.2	4.3	2.6	3.2	1.2
17	1.3	1.3	1.4	3.5	1.2	3.2	26	8.5	4.5	2.6	3.1	1.6
18	1.3	1.3	1.7	1.4	1.2	3.1	22.5	8.5	4.5	2.5	2.9	1.4
19	1.3	1.3	1.7	1.2	1.2	3.1	18.7	8.2	4.3	2.5	2.3	1.3
20	1.4	1.3	1.6	1.1	1.3	3.2	16.5	8.2	4.3	2.8	1.9	1.3
21	1.3	1.3	1.6	1.1	3.2	3.1	15.4	7.8	4.2	2.8	1.8	1.3
22	1.3	1.3	1.6	1.1	1.6	3.0	14.8	7.8	4.0	2.5	1.7	1.2
23	1.3	1.3	1.6	1.1	1.3	3.5	14.8	7.5	3.8	2.3	1.7	0.9
24	1.3	1.4	1.6	1.1	1.1	5.4	13.7	7.3	3.8	2.3	1.6	0.9
25	1.3	1.6	1.6	1.1	1.2	5.2	13.2	7.0	3.7	2.3	1.6	0.9
26	1.3	1.5	1.6	1.1	1.2	5.2	13.2	6.6	3.5	2.6	1.4	0.9
27	1.3	1.6	1.6	1.1	1.3	19.8	13.2	6.3	3.4	4.9	1.3	0.9
28	1.3	1.5	1.6	1.1	1.3	109	12.1	6.3	3.2	4.7	1.3	1.1
29	1.3	1.5	1.6	1.1		156	11.5	5.9	3.1	4.7	1.3	1.1
30	1.3	1.5	1.6	1.1		103	11.5	5.7	3.0	4.5	1.3	1.1
31	1.4		1.6	1.1		78.1		5.7		4.0	1.3	
MEAN	1.3	1.3	1.5	1.6	1.5	17.2	27	8.8	4.4	3.1	2.6	1.0
	78.9	79.7	90.4	97.6	84.9	1,060	1,610	543	260	188	161	58.5

YEAR OR PERIOD MEAN 5.9
ACRE-FEET 4,310

STATION NO. F122-R

DAILY DISCHARGE in second-feet of PALLETT CREEK AT VALYERMO HWY. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.9	2.0	1.0	0.9	0	B 10.5	9.2	35.7	2.0	4.5	2.5	14
2	0.7	2.0	1.0	0.9	0	B 10	7.6	3.5	2.0	4.0	2.5	13.2
3	0.8	2.0	1.0	0.9	0	B 192	7.6	3.0	2.0	4.5	3.0	13.3
4	0.8	2.0	1.0	0.9	0	B 76	7.6	3.0	2.0	4.5	3.0	14.6
5	0.8	2.0	1.5	0.9	0	B 45	6.8	3.0	1.5	3.5	3.0	11.5
6	0.8	2.5	1.5	0.8	0	B 70	6.8	3.0	1.5	2.5	2.5	15.1
7	0.8	1.5	1.5	0.8	0	B 45	6.8	3.0	1.5	2.0	2.0	19.5
8	0.8	0	1.5	0.8	0	B 40	6.8	3.0	1.5	2.0	2.0	20.6
9	0.8	0	1.5	1.0	0	B 35	6.8	3.0	1.5	1.5	1.5	10.9
10	0.7	0	1.5	0.9	0	B 30	6.8	3.0	1.5	1.5	1.5	8.4
11	0.7	0	1.5	0.8	0	B 27.5	6.8	3.0	1.5	1.5	1.0	8.4
12	0.7	0	1.5	0.8	0	B 26	7.6	3.0	1.5	1.0	1.5	5.3
13	0.7	0	2.0	0.7	0	B 25.5	7.6	3.0	1.5	0.4	2.5	0.7
14	0.7	0	2.0	0.7	56.1	B 25	10.8	2.5	1.5	+	3.0	0.2
15	0.7	0	2.0	0.7	95.7	25	11.6	2.5	1.5	+	3.5	0.8
16	0.7	0	1.5	0.7	210	23.9	11.6	2.5	1.5	+	3.0	0.7
17	0.7	0	1.5	0.7	B 57.5	22.8	12.4	2.5	1.5	+	3.5	0.9
18	0.8	0	1.5	0.7	B 69	28.9	13.2	2.5	1.5	0	3.5	0.8
19	0.9	0	1.5	0.7	B 152	20.6	13.2	2.5	3.1	0	3.5	1.0
20	0.9	0	1.0	0.7	B 58.7	15.1	13.2	2.0	5.5	1.6	3.5	2.5
21	1.0	0	1.0	0.7	B 17	14	13.2	2.0	6.0	3.0	4.5	0.6
22	1.5	0	1.0	0.7	B 16	12.4	13.2	2.0	6.8	3.0	5.0	0.6
23	2.5	0	1.0	0.7	B 15	10.8	13.2	2.0	6.8	3.5	5.5	0.9
24	3.0	0	1.0	0.7	B 14	10	12.4	2.0	6.0	3.0	6.0	2.5
25	2.5	0	1.0	0.7	B 13	11.6	12.4	2.0	6.0	3.5	6.8	2.5
26	2.5	0	1.0	0.7	B 12.5	15.1	11.6	2.0	6.0	4.0	7.6	3.0
27	2.0	0	1.0	0.7	B 12	11.6	11.6	2.0	5.5	3.5	8.4	2.0
28	1.5	0	1.0	0.7	B 11	10	12.4	2.0	5.5	2.5	9.2	1.0
29	1.0	0	1.0	19.7	B 11	9.2	11.6	2.0	5.5	2.5	10	0.9
30	1.5	1.0	1.0	0		9.2	11.6	2.0	5.0	2.5	11.6	1.0
31	2.0		0.9	0		8.4		2.0		2.5	12.4	
MEAN	1.2	0.5	1.3	1.3	28.3	29.6	10.1	3.6	3.2	2.2	4.5	5.9
	72.6	29.8	79.1	81.9	1,630	1,820	603	221	192	136	276	352

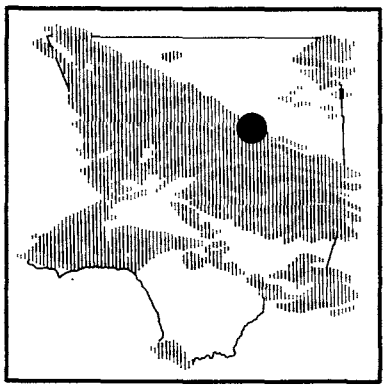
YEAR OR PERIOD MEAN 7.6
ACRE-FEET 5,490

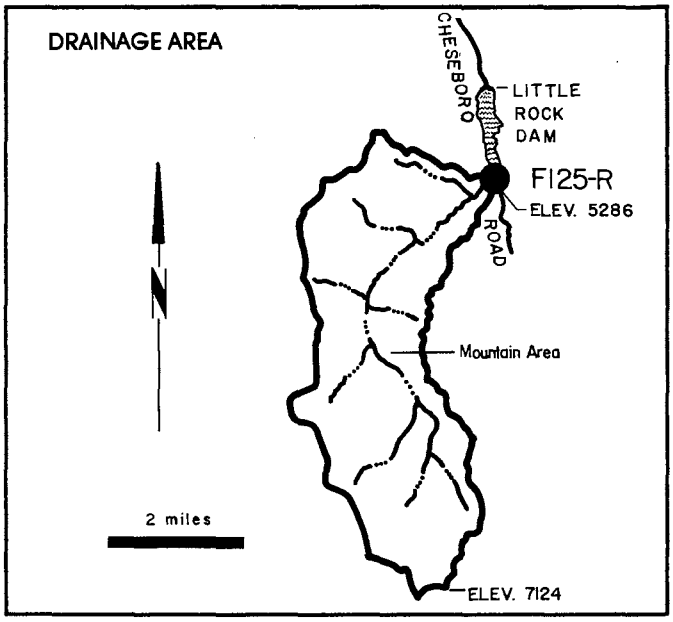
STA. NO. F122-R
PALLETT CREEK AT VALYERMO HIGHWAY

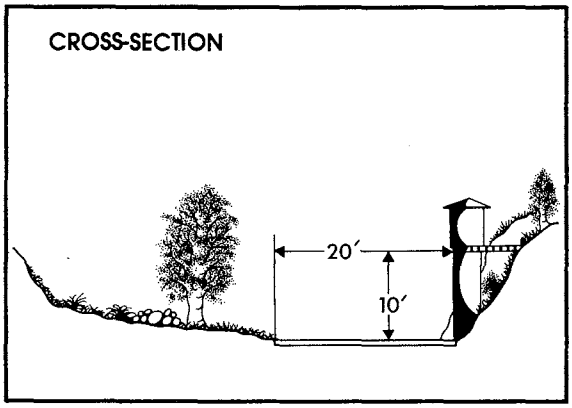
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1961-62	92	0	0.4	311	2	11	259
1962-63	0.7	0	0.3	190	2	9	3
1963-64	0	0	0.0	0			0
1964-65	0.3	0	+	0.6	8	12	16
1965-66	53	0	1.5	1110	12	29	176
1966-67	3.8	0.3	0.8	618	12	6	6.6
1967-68	5	0.3	0.8	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	56	0.1	0.6	452	12	25	282
1972-73	6.5	+	0.2	156	2	11	24
1973-74	0.6	0.1	0.3	213	12	11	0.5
1974-75	1.6	0	0.2	140	12	4	10
1975-76	2.5	0	0.1	86.8	9	24	51
1976-77	2.5	0	0.1	39	5	8	10
1977-78	*	*	*	*			*
1978-79	156	0.55	5.9	4312	3	29	191
1979-80	210	0	7.6	5487	2	16	1470

\+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.
* = RECORD INCOMPLETE

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







RECORDER- continuous water stage.
METHOD OF MEASUREMENTS- wading.
DRAINAGE AREA- 11.2 square miles.
LOCATION- 1,000 feet above Little 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.

STATION NO. F125-R

DAILY DISCHARGE in second-feet of SANTIAGO CREEK ABOVE LITTLE ROCK CREEK — FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	1.5	70.2	21	6.3	2.3	E 0.7	0	0
2	0	0	0	0	1.0	59.4	16	5.9	2.1	E 0.7	0	0
3	0	0	0	0	0.6	B 34	13	5.5	2.1	E 0.6	0	0
4	0	0	0	1.2	0.4	118	13	5.5	2.1	E 0.6	0	0
5	0	0	0	0.5	2.1	B 90	12	5.0	2.3	E 0.5	0	0
6	0	0	0	0	3.0	59	12	4.2	2.3	E 0.5	0	0
7	0	0	0	0	3.8	47	14	3.8	1.7	E 0.4	0	0
8	0	0	0	0	2.3	38	12	4.2	1.7	E 0.4	0	0
9	0	0	0	2.2	110	34	11	3.8	1.7	E 0.3	0	0
10	0	0	0	3.6	B 84	28	8.6	3.8	1.5	E 0.3	0	0
11	0	0	0	1.7	B 58	24	7.8	3.8	1.7	E 0.2	0	0
12	0	0	0	1.2	B 32	21	6.7	3.4	1.0	E 0.1	0	0
13	0	0	0	1.2	5.5	16	6.7	3.0	0.8	E 0.1	0	0
14	0	0	0	3.4	6.7	14	6.3	3.4	0.8	E 0.1	0	0
15	0	0	0	39	6.7	13	11	3.0	0.8	E 0.1	0	0
16	0	0	0	17	11	11	14	2.8	0.8	+	0	0
17	0	0	0	9.7	12	9.3	12	2.8	0.8	+	0	0
18	0	0	0	3.8	10	8.6	10	2.6	0.7	+	0	0
19	0	0	0	3.8	8.6	7.1	9.3	2.6	0.7	+	0	0
20	0	0	0	2.3	6.7	7.1	7.8	2.6	0.7	0	0	0
21	0	0	0	3.8	5.9	7.1	7.8	2.3	0.6	0	0	0
22	0	0	0	2.6	3.4	11	7.1	2.3	0.6	0	0	0
23	0	0	0	2.3	3.4	10	6.3	2.6	0.7	0	0	0
24	0	0	0	1.9	2.6	7.8	7.8	2.6	0.6	0	0	0
25	0	0	0	1.5	2.8	6.7	8.6	2.6	0.6	0	0	0
26	0	0	0	1.0	B 2.6	6.3	7.8	2.3	0.6	0	0	0
27	0	0	0	0.7	B 2.6	6.3	7.1	2.3	0.7	0	0	0
28	0	0	1.1	1.0	B 2.6	6.3	6.7	2.1	0.7	0	0	0
29	0	0	0	2.1		6.3	6.7	2.1	0.7	0	0	0
30	0	0	0	1.7		5.9	6.3	2.3	0.7	0	0	0
31	0		0	1.5		30		2.6		0	0	
MEAN	0	0	0	3.6	14	26.2	9.9	3.4	1.2	0.2	0	0
	0	0	2.2	220	777	1,610	590	206	70	11	0	0

YEAR OR PERIOD — MEAN 4.9 — ACRE-FEET 3,490

STATION NO. F125-R

DAILY DISCHARGE in second-feet of SANTIAGO CREEK ABOVE LITTLE ROCK CREEK FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0.5	0.4	0.7	3.0	7.1	2.3	1.0	0	0	0
2	0	0	0.6	0.4	0.7	2.8	6.7	3.4	0.8	0	0	0
3	0	0	0.6	0.4	1.7	2.6	5.9	2.8	0.7	0	0	0
4	0	0	0.5	0.4	1.0	2.6	5.5	2.6	0.6	0	0	0
5	0	0	0.4	1.7	0.8	2.6	5.0	2.3	0.5	0	0	0
6	0	0	0.4	0.5	1.0	3.4	5.0	2.3	0.4	0	0	0
7	0	0	0.4	0.7	1.2	4.2	5.0	2.3	0.3	0	0	0
8	0	0	2.6	0.7	1.5	4.2	4.6	2.3	0.2	0	0	0
9	0	0	3.4	1.2	1.7	3.8	4.6	2.3	0.1	0	0	0
10	0	0	2.1	1.2	1.7	4.2	4.2	2.1	0.1	0	0	0
11	0	0.1	0.4	1.5	1.9	4.6	4.2	1.9	+	0	0	0
12	0	0.1	0.3	1.9	2.1	3.8	4.2	1.7	+	0	0	0
13	0	0.3	0.3	1.5	2.6	4.2	4.2	1.7	0	0	0	0
14	0	0.4	0.3	1.0	12.9	3.8	4.2	1.5	0	0	0	0
15	0	0.4	0.4	2.6	6.7	3.4	4.2	1.2	0	0	0	0
16	0	0.4	0.4	5.0	5.0	3.0	4.2	1.2	0	0	0	0
17	0	0.3	0.5	6.3	3.8	3.0	3.8	1.2	+	0	0	0
18	0	0.3	1.5	3.8	3.0	3.0	3.4	1.2	0.1	0	0	0
19	0	0.3	1.0	2.6	2.6	3.4	3.0	1.2	0.1	0	0	0
20	0	0.3	0.7	2.1	2.6	3.0	3.0	1.5	0.1	0	0	0
21	0	0.4	0.6	1.7	7.8	2.8	2.8	1.5	0.1	0	0	0
22	0	0.7	0.6	1.5	5.9	2.6	2.8	1.2	0.1	0	0	0
23	0	0.7	0.6	1.2	4.2	2.6	2.8	1.2	0.1	0	0	0
24	0	0.6	0.6	1.2	3.4	2.3	2.8	1.2	+	0	0	0
25	0	0.5	0.6	1.0	3.0	2.3	2.6	1.0	+	0	0	0
26	0	0.5	0.6	0.8	3.0	2.3	2.6	1.0	0	0	0	0
27	0	0.5	0.5	0.7	2.8	12.2	2.6	1.0	0	0	0	0
28	0	0.4	0.5	0.7	2.8	22.9	2.6	1.2	0	0	0	0
29	0	0.4	0.5	0.7		15.5	2.3	1.0	0	0	0	0
30	0	0.4	0.5	0.7		11.5	2.3	1.0	0	0	0	0
31	0		0.5	0.7		9.3		0.8		0	0	
MEAN	0	0.3	0.8	1.5	3.1	5.0	3.9	1.6	0.2	0	0	0
	0	16	46	93	175	310	235	101	10.5	0	0	0

YEAR OR PERIOD MEAN 1.4
ACRE-FEET 987

STATION NO. F125-R

DAILY DISCHARGE in second-feet of SANTIAGO CREEK ABOVE LITTLE ROCK CREEK FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	1.9	6.7	5.5	1.2	1.9	0.1	0	0
2	0	0	0	0	1.5	12.2	5.0	1.2	1.7	0.2	0	0
3	0	0	0	0	1.0	27.7	5.0	0.8	1.7	0.1	0	0
4	0	0	0	0	0.7	18.6	4.6	1.5	1.5	0.1	0	0
5	0	0	0	0	0.7	15.5	4.2	1.7	1.5	0.1	0	0
6	0	0	0	0	0.7	20.8	4.2	1.7	1.2	+	0	0
7	0	0	0	0	0.7	17.6	3.8	1.7	0.8	+	0	0
8	0	0	0	0	0.7	15.5	3.4	1.7	0.7	+	0	0
9	0	0	0	0	0.6	13.7	3.0	1.7	0.6	+	0	0
10	0	0	0	0	0.6	12.9	3.0	1.9	0.6	+	0	0
11	0	0	0	0.5	0.5	12.2	2.8	1.7	0.5	+	0	0
12	0	0	0	0.5	0.5	10.8	2.8	1.7	0.5	+	0	0
13	0	0	0	A 0.5	3.5	10	2.8	1.5	0.5	+	0	0
14	0	0	0	A 0.5	50.7	8.6	2.6	1.5	0.4	+	0	0
15	0	0	0	A 0.5	48.4	7.8	2.6	1.2	0.4	+	0	0
16	0	0	0	A 0.5	65.1	7.1	2.6	1.0	0.4	0	0	0
17	0	0	0	A 0.5	63.9	7.1	2.3	1.0	0.4	0	0	0
18	0	0	0	A 0.5	34.3	9.3	2.1	1.2	0.4	0	0	0
19	0	0	0	A 0.5	67	10	2.1	1.5	0.4	0	0	0
20	0	0	0	A 0.6	59.4	9.3	1.9	1.7	0.4	0	0	0
21	0	0	0	A 0.6	47.3	8.6	1.9	1.9	0.3	0	0	0
22	0	0	0	0.6	B 40	8.6	1.9	2.1	0.3	0	0	0
23	0	0	0	0.6	B 33	7.8	2.1	2.1	0.2	0	0	0
24	0	0	0	0.6	B 26	7.8	1.7	1.9	0.2	0	0	0
25	0	0	0	0.5	B 19	7.8	1.5	2.1	0.2	0	0	0
26	0	0	0	0.5	11.5	8.6	1.5	1.9	0.1	0	0	0
27	0	0	0	0.5	10	7.8	2.6	2.1	0.1	0	0	0
28	0	0	0	0.7	8.6	6.7	1.2	2.1	0.1	0	0	0
29	0	0	0	12.9	7.8	6.7	1.2	2.1	0.1	0	0	0
30	0	0	0	4.2		6.3	1.2	2.1	0.1	0	0	0
31	0		0	2.6		5.5		2.1		0	0	
MEAN	0	0	0	0.9	20.9	10.8	2.8	1.7	0.6	0	0	0
	0	0	0	58.3	1,200	666	165	102	36.1	1.2	0	0

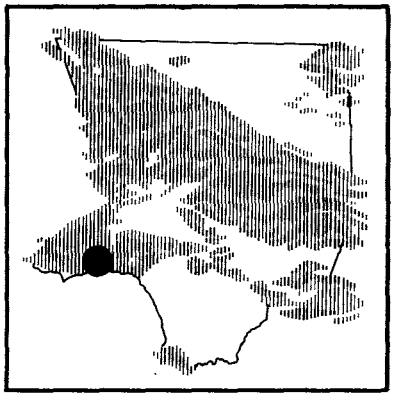
YEAR OR PERIOD MEAN 3.1
ACRE-FEET 2,230

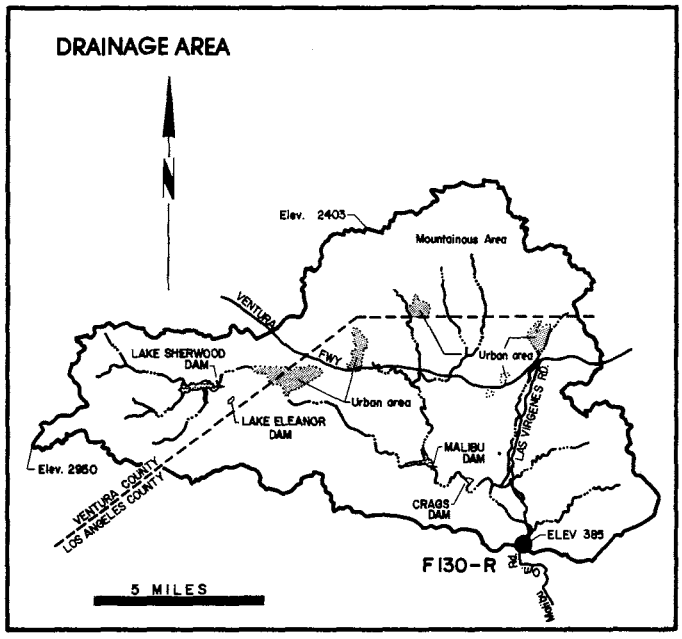
STA. NO. F125-R
SANTIAGO CREEK ABOVE LITTLE ROCK CREEK

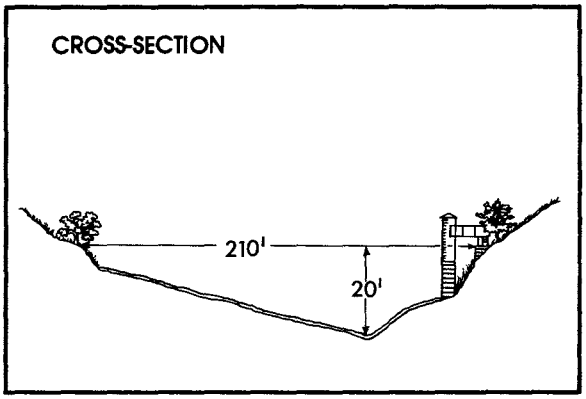
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1953-54	24	0	0.9	631	1	25	44
1954-55	13	0	0.8	602	2	17	16
1955-56	41	0	0.6	406	1	26	87
1956-57	6.8	0	0.3	199	1	13	15
1957-58	58	0	3.2	2280	4	3	107
1958-59	10	0	0.5	386	2	16	21
1959-60	1.3	0	0.1	75	2	2	1.6
1960-61	+	0	+	+	8	5	0.5
1961-62	118	0	1.3	945	2	11	199
1962-63	0.9	0	+	19	4	21	1
1963-64	0.4	0	+	10	4	2	0.6
1964-65	3.5	0	0.1	87	4	20	4
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
1972-73	72	0	0.9	640	2	11	175
1973-74	4.3	0	0.2	144	1	17	6.3
1974-75	3.8	0	0.2	121	3	6	6
1975-76	14	0	0.1	54.5	9	24	1060
1976-77	5.5	0	0.1	83	5	9	9
1977-78	*	*	*	*			*
1978-79	23	0	1.4	986	3	28	303
1979-80	67	0	3.1	2227	2	16	193

\+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.
* = RECORD INCOMPLETE

MALIBU CREEK
below Cold Creek
STATION NO. F130-R







RECORDER- 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.

STATION NO. F130-R

DAILY DISCHARGE in second-feet of MALIBU CREEK BELOW COLD CREEK — FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	2.3	2.2	6.1	8.6	31.1	3,080	84.8	35	13.5	11.8	7.7	4.5
2	2.3	2.3	6.1	7.1	32.1	1,100	67.2	32.1	12.7	11.4	9.3	4.2
3	2.2	2.2	3.5	9.9	32.1	646	64	31.1	16.8	9.6	7.7	6.6
4	2.2	2.2	6.3	83.5	28.2	7,620	70.4	28.2	17.9	6.6	8.0	5.8
5	2.3	2.3	5.8	74.7	242	1,640	65.6	28.2	22.1	8.3	5.6	9.2
6	2.2	2.2	6.8	117	191	748	61.2	31.1	18.9	10.6	4.4	11.4
7	2.3	2.2	4.4	52.8	206	565	83.2	29.1	13.9	8.3	7.4	8.6
8	2.2	2.2	5.1	23.5	280	411	65.6	29.1	8.4	7.4	6.6	5.3
9	2.0	2.5	4.9	224	2,530	307	58.4	32.1	12.3	9.9	4.4	3.8
10	2.2	2.5	3.2	682	2,310	260	55.6	30.1	15.3	6.8	4.2	5.6
11	2.0	2.5	2.2	148	503	215	51.4	28.2	15.8	5.6	5.6	6.8
12	2.0	2.5	2.0	73.6	930	197	50	24.2	14.8	5.3	9.0	7.4
13	2.2	2.5	1.9	50	1,040	168	51.4	25.5	12.7	5.1	9.0	7.4
14	2.2	3.5	1.7	210	479	153	48.6	33.1	11	5.6	6.8	8.0
15	2.0	2.5	4.6	1,100	321	137	241	30.1	11.8	5.8	6.3	8.3
16	1.9	4.8	6.1	1,120	231	131	181	27.2	14.8	6.3	4.6	8.3
17	1.9	7.1	7.2	678	176	123	96	23.5	14.8	6.3	5.1	8.3
18	2.0	7.4	8.0	257	147	113	80	24.2	14.8	6.8	5.8	4.8
19	2.3	7.4	8.3	199	127	104	70.4	24.2	11.4	7.1	5.6	3.5
20	2.3	7.1	8.6	137	113	99.8	62.6	24.8	9.6	6.8	9.3	5.3
21	2.5	6.3	8.6	105	104	105	54.2	24.2	14.8	6.8	8.0	6.1
22	2.2	5.9	9.0	88	91.2	305	44.4	17.4	10.2	6.8	5.6	8.3
23	2.0	5.9	8.0	78.4	83.2	142	40.2	17.9	8.6	7.1	5.3	8.3
24	1.7	7.1	9.3	67.2	75.2	107	41.6	20.8	10.2	6.8	5.3	8.6
25	1.9	5.8	9.0	57	73.6	91.2	47.2	20.1	12.2	7.1	4.8	8.3
26	2.2	5.3	22	48.6	70.4	86.4	50	21.4	13.5	7.7	4.4	8.6
27	2.2	5.2	11.9	47.2	72	80.2	40.2	20.8	8.6	6.8	5.8	7.7
28	2.2	3.8	163	44.4	849	76.8	35	21.4	7.1	6.6	9.0	7.1
29	2.2	2.2	57.3	38.8		73.6	33.1	21.4	8.6	9.4	7.4	4.8
30	2.2	1.9	17.5	34		76.8	35	16.8	12.2	10	5.8	4.4
31	2.2		9.3	33.1		142		13.9		8.0	6.8	
MEAN	2.1	4.0	13.8	190	406	616	67.6	25.4	13	7.6	6.5	6.8
	132	237	848	11,700	22,550	37,890	4,030	1,560	772	465	398	407

YEAR OR PERIOD — MEAN 113 — ACRE-FEET 80,990

STATION NO. F130-R

DAILY DISCHARGE in second-feet of MALIBU CREEK BELOW COLD CREEK FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	6.1	11	11.4	13.1	329	133	137	28.2	16.3	11.4	7.4	5.8
2	8.3	9.3	13.5	10.2	244	99.8	117	29.1	14.8	11	17.4	5.8
3	9.9	12.7	12.2	10.2	184	76.8	99.8	25.5	14.3	11	24.2	6.8
4	9.9	12.7	12.2	13.9	133	68.8	88	25.5	16.3	11.4	17.9	8.6
5	6.1	12.2	13.9	734	107	64	84.8	21.4	15.8	10.6	13.9	6.3
6	7.1	10.2	13.5	486	91.2	58.4	78.4	22.8	15.8	11	8.0	5.1
7	9.9	9.9	10.6	81.6	80	55.6	75.2	24.8	12.7	10.2	7.1	6.1
8	11.4	8.3	10.6	44.4	73.6	52.8	70.4	21.4	12.2	9.9	5.3	9.0
9	11	7.7	10.6	43	67.2	51.4	68.8	20.8	13.1	10.6	8.3	5.9
10	9.6	6.3	11	33.1	64	45.8	61.2	19.4	15.3	10.6	14.3	4.1
11	9.6	6.1	8.3	24.8	59.8	43	55.6	14.8	13.9	10.6	11.8	2.3
12	9.3	7.7	5.3	20.8	55.6	40.2	57	13.1	12.7	10.2	9.9	3.1
13	8.6	12.7	8.3	19.4	52.8	43	54.2	15.3	13.1	9.3	8.6	6.4
14	9.3	13.1	10.2	24.8	171	57.4	51.4	16.8	11.4	8.6	9.9	7.7
15	9.6	10.6	13.1	340	83.2	40.2	48.6	12.7	11	7.7	5.6	8.3
16	9.9	11	10.6	1,070	67.2	40.2	44.4	18.4	10.6	7.4	7.7	7.1
17	9.9	11.4	12.2	220	61.2	127	40.2	18.4	11.8	8.3	7.4	6.1
18	9.9	10.2	77.1	131	55.6	69.6	37.4	17.9	12.2	8.0	6.9	6.3
19	9.9	9.3	80.4	104	54.2	67.2	43	16.3	12.2	7.7	9.9	8.6
20	10.2	9.3	24.8	76.8	54.2	72	51.4	15.8	11	7.7	10.5	7.1
21	10.2	15.3	21.4	64	274	55.6	25.5	18.4	11.4	7.4	11.4	5.6
22	11.8	68.3	16.8	58.4	125	44.4	27.2	19.4	12.7	7.7	10.6	7.6
23	11.8	52.3	16.3	51.4	203	36	35	15.3	11	7.1	10.6	8.6
24	11	22.1	16.3	47.2	117	32.1	36	14.8	10.6	5.8	7.8	6.0
25	9.6	14.3	15.3	43	96	32.1	37.4	17.4	10.6	7.4	11.8	4.8
26	9.6	15.3	14.8	36	89.6	32.1	29.1	17.9	10.6	7.4	11.8	4.2
27	9.9	13.1	13.5	31.1	80	1,220	29.1	17.4	11	7.1	10.9	3.3
28	9.9	12.2	12.7	30.1	72	747	34	14.3	10.2	6.1	8.5	3.3
29	9.9	12.7	13.5	29.1		302	32.1	14.3	9.6	7.4	7.9	4.0
30	12.7	12.7	14.3	147		202	26.2	15.8	11	7.1	8.0	6.1
31	9.6		11	818		159		16.8		7.1	5.6	
MEAN	9.7	14.7	17.3	157	112	134	55.8	18.7	12.5	8.7	10.2	6.0
	598	873	1,060	9,630	6,240	8,270	3,320	1,150	744	537	629	357

YEAR OR PERIOD MEAN 46.4
ACRE-FEET 33,410

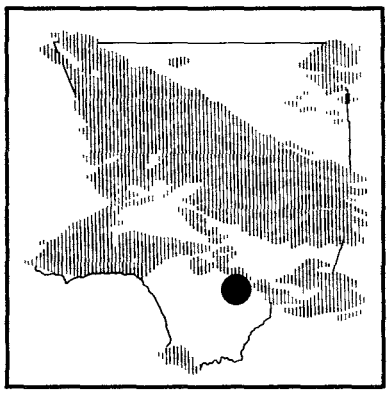
RECORDS INCOMPLETE 1980

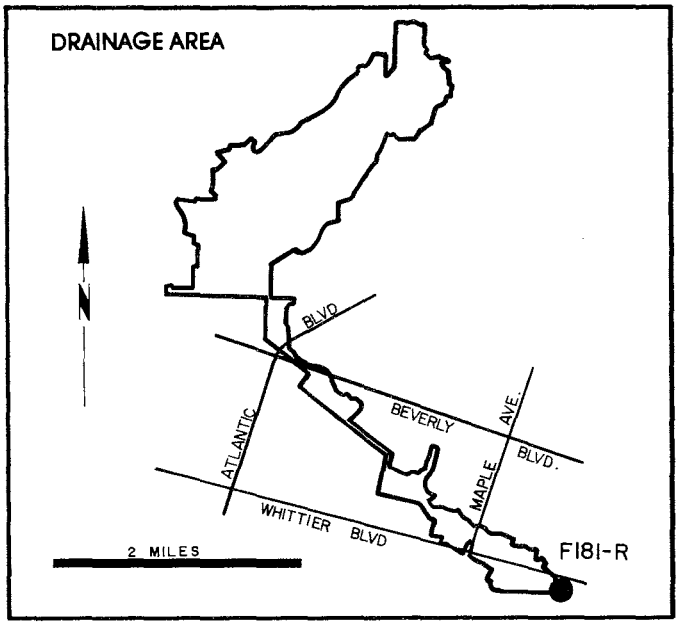
STA. NO. F130-R
MALIBU CREEK BELOW COLD CREEK

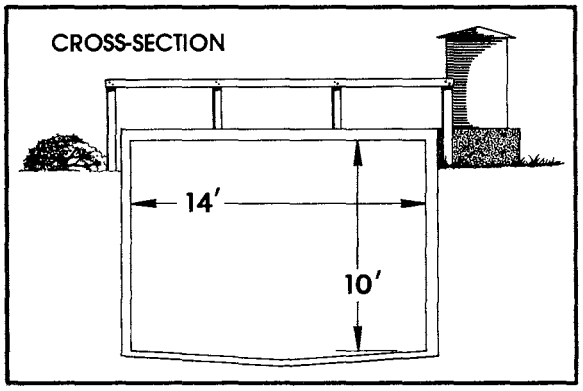
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1930-31	*	*	*	1920*	2	4	723
1931-32	1770	+	20.2	14670	2	9	3100
1932-33	1100	0.1	12.7	9190	1	19	4460
1933-34	3160	0.1	17.1	12370	1	1	9650
1934-35	511	+	8.6	6220			N.D.
1935-36	92	0	3.2	2310	2	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	101.0	73220	2	20	3620
1941-42	32	0.1	2.5	1820	12	28	140
1942-43	5370	0.1	65.8	47600	1	22	12200
1943-44	3400	0.7	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	1630	+	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	+	0.1	99	1	26	8
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	18.5	13430	3	8	3830
1968-69	24200	1.4	166.0	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
1972-73	3340	0.8	35.1	25400	2	11	7480
1973-74	2240	2.7	22.0	15910	1	7	5100
1974-75	519	2.3	15.2	11020	12	4	2670
1975-76	163	1.1	5.4	3910	2	9	339
1976-77	315	1.1	6.9	4980	1	7	597
1977-78	7620	1.7	112.4	80990	3	4	19400
1978-79	1220	2.3	46.4	33408	3	27	4420
1979-80	*	*	*	*			*

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

MONTEBELLO STORM DRAIN
above Rio Hondo
STATION NO. F181-R







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.

STATION NO. F181-R

DAILY DISCHARGE in second-feet of MONTEBELLO STORM DRAIN ABOVE RIO HONDO FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	+	+	+	+	+	249	0.8	0.8	0.2	0.2	0.2	0.2
2	+	+	0	0	0	33	0.2	0.2	0.2	0.2	0.2	0.1
3	0	+	+	3.5	+	33.9	0.2	0.2	0.2	0.2	0.2	0.1
4	0	+	0	29.2	+	318	5.2	0.1	0.2	0.2	0.2	0.2
5	+	0.9	0	0.9	15	1.1	0.3	0.1	0.2	0.2	0.2	9.6
6	0	+	+	11.3	3.4	0.3	7.6	0.2	0.1	0.2	0.1	1.7
7	+	0	+	0.1	15.4	0.3	1.6	0.2	0.2	0.2	0.3	0.4
8	+	+	+	0	65.2	0.3	3.0	0.1	0.2	0.2	0.2	0.3
9	+	0	0	16.7	148	0.3	0.3	0.2	0.1	0.1	0.2	0.2
10	+	+	+	24.3	26	0.3	0.2	0.2	0.1	0.2	0.2	0.2
11	+	+	0	+	26.5	0.3	0.2	0.2	0.2	0.2	0.2	0.1
12	+	+	+	+	50.1	0.2	0.1	0.2	0.2	0.2	0.2	+
13	+	0	+	+	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.1
14	+	+	+	72.6	0.1	0.1	0.2	0.2	0.3	0.2	0.3	0.1
15	+	+	+	1.1	+	0.1	18.5	0.2	0.4	0.2	0.2	+
16	+	+	+	93.7	+	0.1	0.3	0.2	0.5	0.1	0.2	+
17	+	+	11	0.2	0.8	0.1	0.2	0.2	0.4	0.2	0.2	0
18	+	+	6.8	4.0	E 0.5	0.1	0.3	0.2	0.4	0.2	0.2	0
19	+	0	0	3.8	0.1	0.1	0.2	0.2	0.4	0.2	0.2	0
20	+	+	0	+	+	0.3	0.3	0.2	0.5	0.2	0.2	0
21	+	0	0.3	+	+	0.4	0.3	0.2	0.4	0.2	0.4	0
22	+	+	+	0	+	16.9	0.2	0.2	0.4	0.2	0.3	0
23	+	+	0.4	+	+	0.3	0.1	0.2	0.2	0.2	0.2	0
24	+	0	0.1	0	+	0.3	0.1	0.2	0.2	0.2	0.1	0
25	+	+	5.7	0	+	0.2	1.8	0.2	0.2	0.2	0.2	0
26	+	+	36	+	+	0.2	0.2	0.2	0.2	0.2	0.2	0
27	+	+	9.9	+	E 0.1	0.2	0.2	0.2	0.1	0.2	0.2	+
28	+	+	60.1	0	35.2	0.4	0.1	0.2	0.1	0.2	0.2	0.2
29	+	+	1.0	+		0.3	0.2	0.2	0.2	0.2	0.2	0.1
30	+	+	+	+		5.0	0.7	0.2	0.2	0.2	0.2	0.1
31	+		0.1	+		12.7		0.2		0.3	0.2	
MEAN	0	0	4.2	8.4	13.8	21.8	1.5	0.2	0.2	0.2	0.2	0.5
	+	1.8	261	518	767	1,340	86.9	12.7	14.7	12.1	12.9	27.2

YEAR OR PERIOD MEAN 4.2
ACRE-FEET 3,050

STATION NO. F181-R

DAILY DISCHARGE in second-feet of MONTEBELLO STORM DRAIN ABOVE RIO HONDO — FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.1	0	0.1	0	7.5	11	0.1	0.1	0.1	0.1	0.2	+
2	0.1	0	0.4	0.1	16	+	0.1	0.1	0.1	0.1	0.1	+
3	0.1	0	0.2	0.4	0.4	0	0.1	0.1	0.1	0.1	+	+
4	0.1	0	0.2	0.3	0.2	0	0.1	0.1	0.1	0.1	0.1	0.1
5	0.1	0	0.1	45.8	0.1	+	0.1	0.1	0.1	0.1	+	0.3
6	0.1	+	0.1	7.8	0.1	+	0.1	0.1	0.1	0.1	0.1	0.1
7	0.1	0.2	0.1	0.3	+	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8	0.3	0.1	+	0.2	0	+	0.1	0.1	0.1	0.1	0.1	0.1
9	0.2	0.3	0	2.3	0	0	0.1	0.1	0.1	0.1	0.2	0.1
10	0.3	2.0	0	0.4	0	+	0.1	0.1	0.1	0.2	0.1	+
11	0.2	10.7	+	0.3	0	+	0.1	0.1	0.2	0.1	0.1	0.1
12	0.2	0.5	+	0.2	0	0.1	0.1	0.1	0.2	0.2	0.1	+
13	0.1	5.3	0	0.1	0.7	4.6	0.1	0.1	0.2	0.2	0.1	0.1
14	0.1	0.4	0	5.1	5.7	0.1	0.1	0.1	0.2	0.2	0.1	0.1
15	0.1	0.2	0	29.2	+	0.1	0.1	0.1	0.2	0.1	0.1	0.1
16	0.1	0.1	0.1	8.7	+	0.4	0.1	0.2	0.1	0.1	+	0.1
17	0.1	0.1	17.8	0.5	0	16.4	0.1	0.1	0.1	0.2	0.1	0.1
18	0.1	+	20.6	6.9	0	7.0	0.1	0.1	0.1	0.2	+	0.1
19	0.1	0	3.1	0.4	+	20.4	0.1	0.4	0.1	0.2	+	0.1
20	0.1	0	0.4	0.2	5.6	2.4	0.1	0.2	0.1	0.2	0.1	0.1
21	0.1	20.9	0.3	0.2	28.3	0.2	0.1	0.2	0.1	0.2	+	0.1
22	+	4.1	0.4	0.4	0.1	0.1	+	0.2	0.1	0.2	+	0.1
23	0	0.5	0.3	0.4	6.9	0.1	+	0.1	0.1	0.1	0.1	0.1
24	0	0.2	0.2	0.3	0	+	+	0.1	0.1	0.2	0.1	0.1
25	0	0.1	0.1	0.1	0	+	0.1	0.1	0.4	0.2	+	0.1
26	0	0.1	0.1	0.1	+	0.1	0.1	0.1	0.2	0.2	0.1	0.1
27	0	+	0.1	+	0	107	0.1	0.1	0.2	0.2	0.1	0.1
28	0	0	0.1	1.5	+	9.1	0.1	0.1	0.1	0.1	0.3	0.1
29	0	0	+	0.2		8.7	0.1	0.1	0.1	0.1	0.1	0.1
30	0	0	+	58.5		0.1	0.1	0.1	0.1	0.1	0.1	0.1
31	0		0	80.3		0.1		0.1		0.2	0.1	
MEAN	0.1	1.5	1.4	8.1	2.6	6.1	0.1	0.1	0.1	0.1	0.1	0.1
	5.6	90.8	88.9	498	142	373	5.4	7.5	7.9	9.1	5.4	5.4

YEAR OR PERIOD — MEAN 1.7 — ACRE-FEET 1,240

STATION NO. F181-R

DAILY DISCHARGE in second-feet of MONTEBELLO STORM DRAIN ABOVE RIO HONDO — FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.1	+	+	0	C 0.3	C 0.2	0.2	0.8	0.1	0.4	0.3	+
2	0.1	+	+	0	C 0.2	C 159	0.2	0.5	0.1	0.4	0.3	+
3	0.1	+	+	+	C 0.2	C 59	0.2	0.4	0.1	0.4	0.3	+
4	0.1	+	+	+	C 0.2	C 0.7	0.2	0.3	0.1	0.3	0.3	+
5	0.1	+	+	+	C 0.2	C 71.9	0.2	0.3	0.1	0.3	0.2	+
6	0.1	+	+	+	C 0.2	C 71.9	0.2	0.3	0.1	0.3	0.2	+
7	0.1	2.7	+	3.3	C 0.3	C 0.9	0.2	0.2	0.3	0.2	0.2	+
8	0.1	0.2	0.1	0.6	C 0.4	C 0.3	0.1	0.2	0.4	0.2	0.2	+
9	0.2	+	0.1	56.2	C 0.3	C 0.2	0.3	0.2	0.4	0.2	0.1	+
10	0.1	+	0.1	9.1	C 0.3	C 0.3	0.4	3.2	0.3	0.2	0.1	+
11	0.1	0	+	26.2	C 0.4	C 0.3	0.4	0.8	0.3	0.2	0.1	+
12	0.2	+	+	7.0	C 0.3	C 0.2	0.3	0.5	0.3	0.2	0.2	+
13	0.1	+	+	9.6	C 230	C 0.2	0.3	0.4	0.3	0.1	0.4	+
14	0.1	+	+	2.3	C 416	C 0.2	0.2	0.4	0.2	0.2	0.3	+
15	0.1	0.1	+	0.3	C 424	C 0.2	0.3	0.4	0.2	0.3	0.3	+
16	0.1	+	+	0.3	C 804	C 0.1	0.4	0.3	0.2	0.3	0.3	+
17	0.1	+	0.1	0.7	C 150	C 0.1	0.3	0.3	0.2	0.3	2.9	+
18	0.1	0	0.1	2.0	C 180	C 33.3	0.3	0.2	0.4	0.3	0.8	+
19	0.3	0	0.1	0	C 172	C 3.3	0.3	0.2	0.4	0.3	0.4	+
20	15.7	+	+	+	C 75.2	C 0.3	0.2	0.2	0.4	0.3	0.4	+
21	+	+	1.4	0	C 40.7	C 1.3	0.2	0.9	0.4	0.4	0.3	+
22	+	+	+	+	C 3.0	C 0.4	1.2	0.8	0.3	0.5	0.2	+
23	+	+	+	0	C 8.6	C 0.4	0.4	0.5	0.4	0.5	0.2	+
24	+	+	8.9	+	C 9.6	C 0.2	0.3	0.4	0.4	0.5	0.2	+
25	+	+	0.9	+	C 5.0	C 16.3	0.3	0.4	0.4	0.4	0.2	+
26	+	+	0.1	+	C 0.4	C 19.9	0.2	0.3	0.3	0.4	0.1	+
27	+	+	0.2	0.6	C 0.2	C 0.2	0.2	0.3	0.3	0.4	0.1	+
28	+	+	0	112	C 0.2	C 0.2	3.5	0.3	0.3	0.4	0.1	+
29	+	+	+	123	C 0.2	C 0.1	0.8	0.2	0.3	0.4	0.1	+
30	+	+	+	0.7		C 0.1	1.1	0.2	0.4	0.4	0.1	+
31	+		+	0.1		C 0.1		0.2		0.4	+	
MEAN	0.6	0.1	0.4	11.4	87	14.3	0.4	0.5	0.3	0.3	0.3	+
	35.7	6.0	24	702	5,000	877	26.6	29	16.7	20	19.6	+

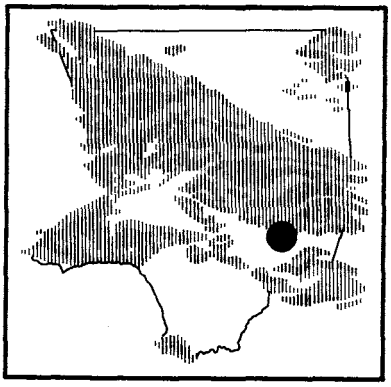
YEAR OR PERIOD — MEAN 9.6 — ACRE-FEET 6,760

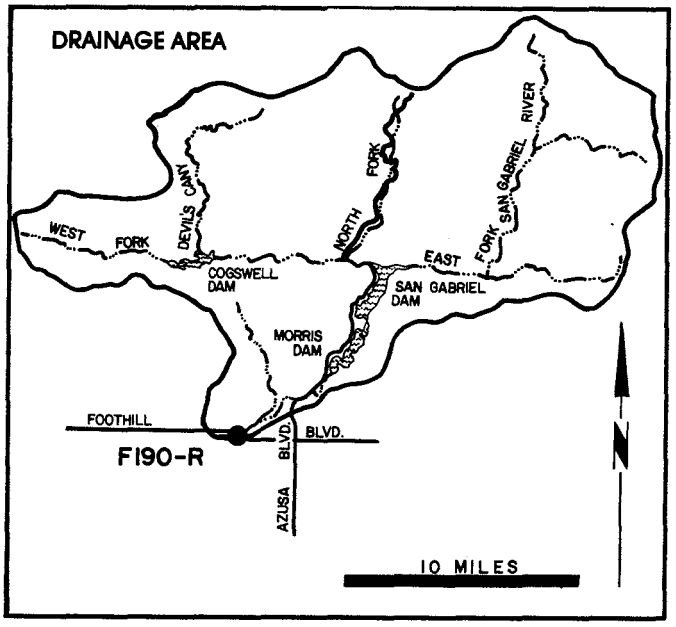
STA. NO. F181-R
MONTEBELLO STORM DRAIN ABOVE RIO HONDO

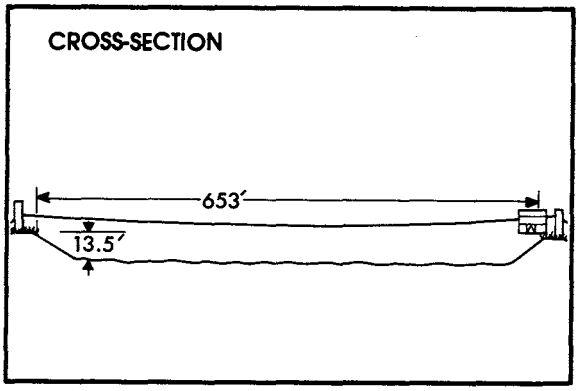
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1931-32	*	0	*	1120*	1	31	531
1932-33	125	0	0.8	529	1	19	713
1933-34	391	0	2.6	1910	1	1	1360
1934-35	114	0	2.3	1650	1	5	1140
1935-36	55	0	1.2	889	2	14	374
1936-37	NO RECORD						
1937-38	N.D.	N.D.	N.D.	N.D.	3	2	1400E
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	300E	0.1	3.6	2580			N.D.
1943-44	323E	0.1	3.3	2390	2	22	1040
1944-45	64	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	169	+	2.8	2000	11	29	833
1971-72	142	0.2	1.6	1160	12	24	637
1972-73	140	0.1	3.8	2740	2	27	811
1973-74	128	+	1.4	988	1	7	546
1974-75	61	+	1.0	748	12	4	608
1975-76	39	+	0.8	603	9	11	240
1976-77	36.1	0	0.7	490	5	8	226
1977-78	318	0	4.2	3050	1	16	991
1978-79	107	0	1.7	1239	3	27	619
1979-80	809	0	9.6	6759			N.D.

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

SAN GABRIEL RIVER
at Foothill Boulevard
STATION NO. F190-R







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.

STATION NO. F190-R

DAILY DISCHARGE in second-feet of SAN GABRIEL RIVER AT FOOTHILL BLVD. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	7.2	259	0.7	1,360	6,080	1,510	864	932	103	0	161
2	0	20.3	266	0.6	743	6,640	1,020	816	915	111	0	22.8
3	0	21.1	266	0.6	207	6,500	1,020	816	915	83.2	0	22.8
4	0	20.3	259	7.1	187	11,000	1,090	800	897	52.4	0	21.5
5	0	20.3	266	12.8	194	11,600	1,350	832	897	46.4	0	127
6	0	19.2	281	96.2	240	6,420	1,480	880	880	46.4	0	248
7	0	20.3	281	99.5	265	4,300	1,480	880	880	46.4	0	455
8	0	8.9	288	99.5	248	4,080	1,400	864	932	46.4	0	394
9	0	12.3	296	154	1,700	3,840	1,350	864	1,000	43.4	0	296
10	0	21.3	288	268	2,510	2,560	1,080	605	967	122	0	296
11	0	20.3	288	210	3,320	1,400	800	417	967	216	0	197
12	0	19.2	288	185	4,520	1,380	546	417	864	216	0	35.6
13	0	19.2	296	185	4,460	1,350	361	408	752	216	0	33.7
14	0	19.2	288	247	3,860	1,330	614	417	665	223	0	33.7
15	0	18.2	281	475	3,090	1,240	1,300	592	573	230	0	31.8
16	0	17.1	304	435	2,800	1,170	1,670	784	549	230	0	29.8
17	0	17.1	304	1,250	1,910	1,090	1,290	768	513	223	0	25.9
18	0	16	313	1,300	1,120	1,040	1,040	768	513	230	0	25.9
19	0	15	250	1,010	1,120	1,020	985	768	452	230	0	29.8
20	0	15	17.8	909	1,140	826	950	784	370	230	0	29.8
21	0	26	6.1	950	1,260	845	985	768	252	230	0	29.8
22	0	146	0	950	1,380	1,090	1,050	768	252	230	0	29.8
23	0	185	0	1,050	1,480	784	1,040	768	252	230	15.5	27.9
24	0	196	0	1,190	1,500	720	1,000	768	259	139	194	27.9
25	0	203	0	1,230	1,360	679	932	800	259	+	238	11.3
26	0	203	4.8	1,300	1,360	652	932	880	259	+	252	0.1
27	0	203	1.5	1,380	1,380	652	915	932	266	+	252	0.1
28	0	218	122	1,330	2,250	720	915	932	281	+	274	0.1
29	0	248	10.4	1,330		784	915	932	281	+	288	0.1
30	0	248	1.9	1,330		1,360	897	915	221	+	296	0.1
31	0		0.7	1,350		2,070		932		+	288	
MEAN	0	74.1	178	656	1,680	2,740	1,060	766	600	122	67.7	86.8
	0	4,410	10,960	40,330	93,150	168,600	63,310	47,090	35,730	7,480	4,160	5,170

YEAR OR PERIOD MEAN 669
ACRE-FEET 480,400

STATION NO. F190-R

DAILY DISCHARGE in second-feet of SAN GABRIEL RIVER AT FOOTHILL BLVD. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.1	8.8	29.8	1.2	93	288	11.6	354	455	49.4	0.4	0
2	3.1	24	29.8	2.3	67.5	329	48.7	398	455	46.4	0.3	0
3	15.3	27.9	29.8	3.5	46.4	313	299	379	455	29.8	0.3	0
4	17.8	25.9	29.8	115	35.6	304	427	398	455	20.3	0.2	0
5	22.8	27.9	29.8	389	31.8	313	408	398	455	19	0.2	0
6	22.8	27.9	29.8	389	27.9	337	408	398	455	43.4	0.2	0
7	20.3	25.9	29.8	362	25.9	345	408	398	354	24	0.2	0
8	20.3	22.8	29.8	354	22.8	370	408	398	111	8.8	0.2	0
9	20.3	21.5	29.8	417	22.8	370	417	398	67.5	4.6	0.1	0
10	20.3	22.8	31.8	477	25.9	370	489	398	55.4	41.5	0.1	0
11	20.3	22.8	29.8	477	25.9	370	513	389	52.4	76.7	0.1	0
12	20.3	21.5	29.8	465	25.9	362	513	389	49.4	80	0.1	0
13	20.3	20.3	29.8	465	27.9	362	513	389	64.5	76.7	0.1	0
14	20.3	20.3	31.8	465	33.7	362	501	389	76.7	27.9	0.1	0
15	20.3	20.3	31.8	417	27.9	362	501	398	49.4	8.1	0.1	0
16	21.5	20.3	31.8	281	25.9	362	513	455	1.2	3.8	0.1	0
17	96	20.3	49.4	217	25.9	389	525	465	0.7	3.5	0.1	0
18	281	21.5	64.5	37.6	24	379	525	465	80	49.4	0.1	0
19	296	21.5	49.4	25.9	22.8	342	525	465	99.5	35.6	0.1	0
20	313	22.8	39.5	22.8	25.9	379	513	465	106	29.8	0.1	0
21	321	24	19	20.3	86.5	337	489	465	99.5	15.3	0.1	0
22	329	22.8	3.8	129	41.5	337	489	465	43.4	3.8	0.1	0
23	321	24	3.8	321	67.5	379	489	465	29.8	3.1	0.1	0
24	304	24	3.5	362	160	370	489	477	25.9	2.3	0.1	0
25	313	24	3.5	362	160	370	489	477	27.9	1.9	0	0
26	321	24	107	354	197	362	408	477	29.8	1.2	0	0
27	235	24	313	345	238	278	197	477	41.5	0.8	0	0
28	0.5	25.9	288	337	238	46.4	160	465	46.4	0.7	0	0
29	0.4	25.9	206	329		37.6	154	465	49.4	0.5	0	0
30	0.5	25.9	1.9	274		24	166	465	49.4	0.5	0	0
31	0.7		3.1	106		16.6		455		0.4	0	
MEAN	110	23	52.9	268	66.2	309	400	430	145	22.9	0.1	0
	6,780	1,370	3,250	16,510	3,680	18,970	23,790	26,460	8,610	1,410	7.1	0

YEAR OR PERIOD MEAN 152
ACRE-FEET 110,800

STATION NO. F190-R

DAILY DISCHARGE in second-feet of SAN GABRIEL RIVER AT FOOTHILL BLVD. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	+	+	0	+	E 12.9	993	566	942	256	46.9	1.1	+
2	+	0	0	+	E 6.7	1,080	620	892	241	46.9	1.2	+
3	+	0	0	+	E 15.2	1,410	670	876	163	20.3	0.5	+
4	+	0	0	+	E 74	2,360	520	876	132	10.5	0.3	+
5	+	123	0	+	E 143	2,430	657	859	124	9.2	0.3	+
6	+	379	0	+	E 141	2,460	684	603	119	6.7	0.4	+
7	+	371	0	+	E 139	2,380	684	220	119	5.4	0.4	0.2
8	0.1	407	0	+	E 138	2,250	670	760	115	12.9	0.2	0.5
9	0.1	373	0	11.3	E 130	1,910	670	859	115	17.1	0.2	0.2
10	0.1	398	0	22.2	E 121	1,630	686	892	115	19.2	0.1	+
11	0.1	398	0	42.7	E 124	833	768	859	111	18.2	0.1	0
12	0.1	389	0	6.0	E 124	754	768	782	111	18.2	0.1	0
13	0.1	377	0	2.9	E 68.4	709	768	159	111	18.2	0.1	0
14	0.1	379	0	74.5	E 98.4	700	782	24.2	111	19.2	0.1	0
15	0.1	379	0	69.9	E 495	726	826	64.1	111	19.2	0.1	0
16	+	370	0	35.6	E 2,100	712	826	639	107	10.5	0.1	+
17	+	370	0	29.8	E 8,271	698	826	740	107	7.3	0.1	0.1
18	+	370	0	31.8	E 8,371	712	810	726	102	12.9	0.1	+
19	+	362	0	27.9	E 8,751	684	810	712	107	12.9	0.1	+
20	1.2	354	0	25.9	E 8,469	582	810	684	102	13.9	3.0	+
21	0.1	354	0	25.9	E 8,217	563	843	594	102	13.9	5.4	0.4
22	+	354	0	29	E 6,893	582	942	569	102	12.9	5.0	0.8
23	+	337	0	111	E 4,275	557	942	582	102	11.8	4.7	0.1
24	0.1	329	0	125	E 3,513	557	942	582	59.1	11.2	4.7	+
25	0.1	321	0	125	E 3,361	569	942	569	42	10.5	3.5	0
26	0.1	313	0	130	E 2,989	375	942	557	39.6	8.6	0.1	0
27	0.1	304	0	130	E 1,439	582	925	557	42	9.2	0.1	0
28	0.1	288	0	E 132	E 314	594	942	620	42	9.2	+	0
29	0.1	133	0	E 545	E 651	569	978	290	42	6.7	+	0
30	+	0	0	E 46.7		557	975	241	42	3.2	+	0
31	+		0	E 23.5		557		248		1.5	+	
MEAN	0.1	284	0	58.2	2,390	1,030	793	599	106	14.3	1.0	0.1
	5.4	16,920	0	3,580	137,800	63,620	47,190	36,850	6,330	881	63.7	4.6

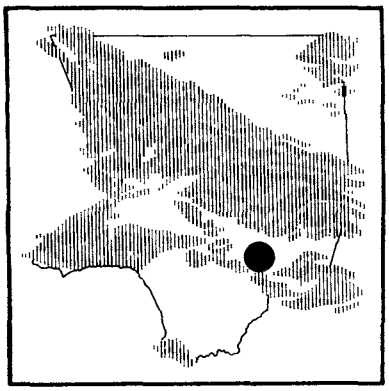
YEAR OR PERIOD MEAN 440
ACRE-FEET 313,200

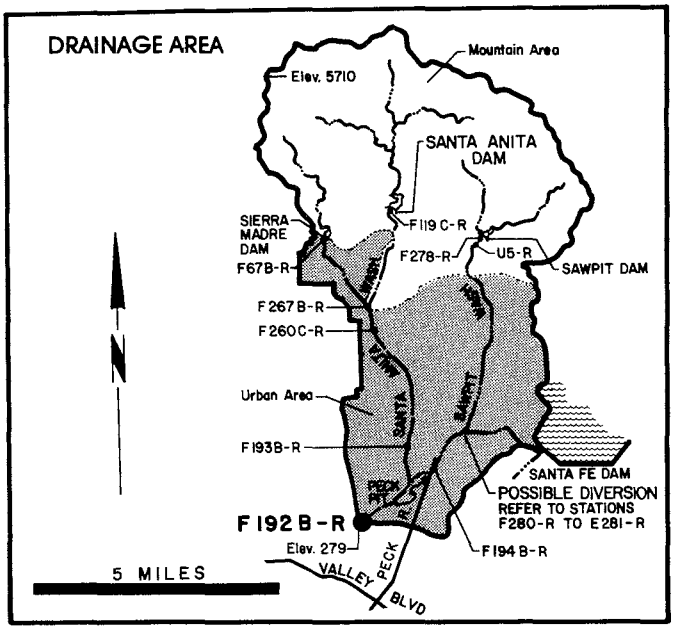
STA. NO. F190-R
SAN GABRIEL RIVER AT FOOTHILL BOULEVARD

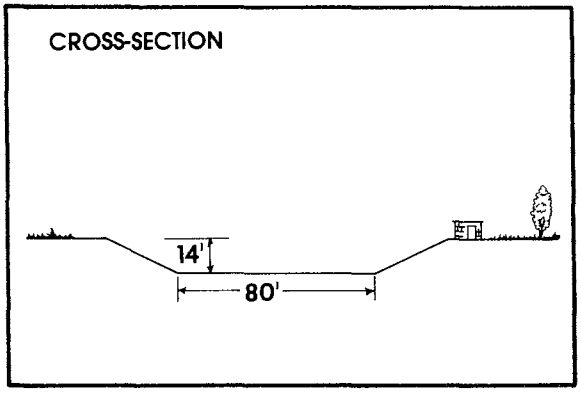
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1931-32	N.D.	0	N.D.	76220*			N.D.
1932-33	2530	0	15.7	11400	1	19	10000
1933-34	3150	0	20.3	14690	1	1	5550
1934-35	448	0	81.7	59220	4	8	1080
1935-36	169	0	21.1	15300	2	2	572
1936-37	1610	0	162.0	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	304.0	220100	3	4	5280
1941-42	312	0	5.5	3990	4	20	345
1942-43	10400E	0	318.0	230200	1	23	11400
1943-44	2750	0	163.0	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			0
1949-50	20	0	0.1	67	12	18	192
1950-51	0	0	0.0	0			0
1951-52	3860	0	98.1	71210	1	18	4670
1952-53	1030	0	56.9	41180	10	28	1080
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	229.0	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	103.0	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	240.0	173700	11	23	9420
1966-67	2080	0	249.0	180000	12	6	9830
1967-68	232	0	33.0	23940	11	25	326
1968-69	22700	0	794.0	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
1972-73	803	0	129.0	93260	2	11	1010
1973-74	374	0	56.2	40640	1	7	670
1974-75	256	0	37.3	27040	VARIOUS		256
1975-76	179	0	27.3	19833	3	1	10002
1976-77	226	0	24.6	17770	10	14	248
1977-78	*	*	664.2	480390	3	4	24300
1978-79	525	0	153.0	110800	3	27	720
1979-80	8751	0	440.0	313199			N.D.

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

RIO HONDO
below Lower Azusa Road
STATION NO. F192B-R







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, trapizoidal 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.

STATION NO. F192B-R

DAILY DISCHARGE in second-feet of RIO HONDO BELOW LOWER AZUSA ROAD — FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	+	126	2.7	27.5	1,160	99.6	189	120	0.6	0.4	+
2	0	0.1	126	2.7	29.4	1,130	38.4	144	114	0.6	0.3	+
3	0	+	138	66.4	35.2	714	40.8	144	105	0.6	0.2	0
4	+	0	141	76	21.7	1,910	126	144	105	0.6	0.2	0.1
5	0	1.2	123	3.1	12.5	1,370	95.2	138	105	0.6	0.2	5.9
6	0	+	161	5.6	9.1	731	169	138	99.9	0.6	0.2	0.8
7	0	+	163	36.6	12.4	641	95.2	132	105	0.6	0.2	0.1
8	0	0.1	162	38.4	4.2	487	95.2	144	105	0.6	0.3	0.1
9	0	0.1	182	23.6	107	397	95.2	163	69.7	0.6	0.2	0.1
10	0	0.1	182	17.3	1,340	308	95.2	163	17.2	0.6	0.2	0.2
11	0	0.6	189	1.2	508	219	95.2	163	3.2	0.6	0.2	0.2
12	0	1.9	189	1.2	436	307	95.2	163	0.5	0.6	0.1	0.2
13	0.9	1.2	189	0.8	242	405	95.2	151	0.6	0.6	+	0.3
14	1.6	0.1	196	20.8	126	203	95.2	53.3	0.5	0.6	0.1	0.2
15	1.3	+	196	9.6	105	105	95.2	16.2	0.3	0.5	0.1	0.2
16	1.9	0	203	44.6	99.9	57.5	132	109	0.3	0.5	0.1	0.2
17	0.9	0	200	10.6	85.8	51.1	63.8	109	0.4	0.6	0.1	0.1
18	0.2	0	81.8	2.3	105	67	60.6	109	0.4	0.6	+	+
19	0.1	0	175	5.3	163	81.1	57.5	74.8	0.3	0.5	+	0.1
20	0	0	189	1.9	163	109	204	4.6	0.2	0.5	+	0.1
21	0	0	151	1.9	126	133	400	2.7	0.7	0.5	+	0.1
22	0	0	64	1.9	129	179	169	29.9	0.7	0.5	+	0.2
23	0	0	3.7	1.6	237	41.6	157	99.9	0.7	0.4	0.1	0.2
24	0	0	1.9	4.6	251	44.7	151	115	0.6	0.4	+	0.2
25	0	8.0	3.7	120	251	57.5	182	126	0.6	0.5	0	0.3
26	0	38.4	20.9	126	244	76.4	169	132	0.6	0.4	0	0.2
27	0	63.8	9.2	114	244	85.8	146	126	0.7	0.4	+	0.2
28	0.9	71.7	40.7	109	503	120	209	120	0.7	0.4	+	0.3
29	1.6	105	3.5	95.2		132	163	109	0.6	0.4	0	0.2
30	0.7	120	2.7	95.2		168	182	114	0.6	0.3	0	0.2
31	0.1		2.7	95.2		188		109		0.4	+	
MEAN	0.3	13.7	117	36.6	201	377	129	114	32	0.5	0.1	0.4
	20.2	818	7,170	2,330	11,140	23,160	7,680	7,010	1,900	32.1	6.3	21.8

YEAR OR PERIOD — MEAN 85.1 — ACRE-FEET 61,290

STATION NO. F192B-R

DAILY DISCHARGE in second-feet of RIO HONDO BELOW LOWER AZUSA ROAD — FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.2	+	0.4	0.2	6.9	15.4	4.6	81.4	132	13.6	0.2	0.1
2	0.2	+	0.2	0.2	9.1	6.9	4.6	157	126	10.2	0.2	0
3	0.2	0.1	0.1	0.2	3.1	6.9	4.6	157	132	5.7	0.1	+
4	0.2	0.1	+	0.2	3.1	6.9	4.6	163	157	3.8	0.2	0
5	0.2	0.2	0.2	24.8	3.1	6.9	4.6	163	163	2.7	0.1	+
6	0.2	0.2	0	2.8	3.1	5.7	5.7	157	157	1.6	0.2	0
7	0.2	0.2	+	0.2	3.1	5.7	5.7	157	151	0.7	0.2	+
8	0.2	0.1	0.1	0.2	2.7	6.9	4.6	151	144	0.3	0.2	0.2
9	0.2	0.1	0	1.4	2.7	6.9	4.6	151	99.9	0.2	0.2	+
10	0.2	3.0	+	0.3	2.7	5.7	4.2	151	67	0.2	0.2	0.2
11	0.2	8.1	0.1	0.2	2.7	5.7	3.8	151	51.1	0.2	0.2	0.1
12	0.2	0.2	0.2	3.6	2.7	5.7	3.8	144	24.8	0.2	0.2	+
13	0.2	2.2	0.2	9.1	3.1	9.1	3.8	144	0.2	0.2	0.1	0
14	0.2	0.4	0.2	11.4	3.5	5.7	3.5	138	0.4	0.2	0.2	0
15	0.2	0	0.2	26.7	2.7	4.6	3.5	144	0.4	0.2	0.2	+
16	0.2	+	0.6	14.8	4.6	4.6	3.5	138	0.4	0.2	0.2	0.1
17	0.2	+	25.2	8.0	14.8	13.6	3.5	138	0.3	0.2	0.1	0.2
18	0.3	0.2	10.9	2.8	12.5	11.3	3.5	144	0.3	0.2	0	0
19	0.1	0.1	2.1	10.5	12.5	14.1	3.5	144	53	0.2	0	0
20	0.2	0.2	0.3	27.5	15.1	5.8	3.5	144	81.1	0.2	+	0
21	0.2	10.2	0.2	27.5	31.2	4.2	3.5	144	60.6	0.2	0.1	0
22	0.2	0.7	+	23.6	13.6	4.2	3.5	126	51.1	0.1	0.1	0
23	0.1	0.2	0.1	21.7	16.9	3.8	3.5	126	29.4	0.2	+	0
24	0.1	0.1	0.1	17.8	12.5	3.8	3.5	126	17.8	0.2	+	+
25	0.1	0.1	+	11.4	11.4	3.8	3.1	126	13.6	0.2	+	0
26	+	+	0	9.1	11.4	3.8	3.1	126	21.7	0.2	0	0
27	+	+	0.1	8.0	9.1	30.3	3.5	126	27.5	0.2	+	0
28	0.1	+	0.2	8.0	9.1	7.8	3.5	126	31.3	0.2	0.1	0
29	0.2	+	0.2	6.9		7.0	3.1	126	29.4	0.1	0.1	0
30	0.3	0.1	0.2	30.3		4.6	3.1	126	19.8	0.1	+	0
31	0.2		0.2	30.2		4.6		126		0.1	0	
MEAN	0.2	0.9	1.4	11	8.2	7.5	3.9	139	61.4	1.4	0.1	+
	10.9	53.2	83.9	674	454	460	232	8,570	3,660	84.9	6.7	1.8

YEAR OR PERIOD — MEAN 19.6 — ACRE-FEET 14,290

STATION NO. F192B-R

DAILY DISCHARGE in second-feet of RIO HONDO BELOW LOWER AZUSA ROAD — FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	+	+	144	0.2	67.3	488	95.2	103	216	38.4	+	0
2	0.1	+	105	0.1	17.8	710	99.9	109	209	21.7	0.1	0
3	+	0.2	71.7	0.2	14.8	427	97	108	132	13.6	+	0
4	0.2	+	51.1	0.1	17.8	99.9	14.8	109	85.8	9.1	+	0
5	+	0	31.3	0.1	77.7	215	11.4	109	81.1	5.7	+	0
6	0	0	17.8	0.2	157	256	10.2	81.5	71.7	4.2	+	0
7	0	0.3	11.4	2.7	105	175	8.0	27.2	47.9	3.5	0	0
8	0	26.2	6.9	0.5	60.6	213	3.8	99.9	47.9	2.7	0	0
9	0	81.1	4.2	34.3	44.7	120	5.7	99.9	51.1	1.9	+	+
10	0	95.2	3.1	14.9	29.4	126	6.9	136	54.3	1.2	+	0
11	0	132	1.9	18.2	23.6	81.2	16.4	99.9	38.4	0.8	0	+
12	0	144	0.6	5.7	15.9	27.5	60.6	95.2	47.9	0.6	+	+
13	0	138	0.3	9.8	49.3	25.5	63.8	95.2	47.9	0.5	0	+
14	0	144	+	5.7	71.1	67	63.8	90.5	47.9	0.2	+	+
15	0	157	0	4.2	963	85.8	63.8	99.9	47.9	0.1	+	+
16	0	288	0	3.8	1,490	85.8	57.5	99.9	51.1	+	+	0.1
17	0	288	0	5.7	1,210	81.1	47.9	105	51.1	0.1	+	+
18	0	259	+	3.8	873	177	47.9	99.9	47.9	+	0	0
19	1.0	181	+	2.7	865	216	38.4	99.9	102	0.1	+	+
20	8.8	216	0.1	2.7	879	209	23.6	99.9	126	+	+	+
21	0.2	223	1.0	2.7	599	216	19.8	105	120	0.1	+	0
22	0.1	223	0.2	2.3	463	203	90.5	95.2	114	0.1	+	0
23	+	223	0.1	1.9	359	203	90.5	95.2	109	0.1	+	+
24	+	223	3.2	1.9	281	196	81.1	90.5	95.2	0.1	+	+
25	+	216	1.5	18	230	227	81.1	90.5	90.5	0.1	0	0
26	0	209	0.2	24.6	203	155	81.1	90.5	81.1	0.1	+	+
27	0.1	209	0.2	1.6	175	102	80.3	90.5	63.8	+	+	0
28	0.1	203	0.1	47.3	144	159	98.1	119	57.5	+	+	0
29	0.1	196	0.2	18.9	208	137	109	132	47.9	+	+	0
30	+	163	0.2	2.3		99.9	107	216	51.1	+	0	0
31	0.1		0.2	61.7		100		223		+	+	
MEAN	0.3	141	14.7	9.6	334	183	55.8	107	81.2	3.4	+	+
	21.4	8,410	905	593	19,230	11,270	3,320	6,580	4,830	208	0.2	0.2

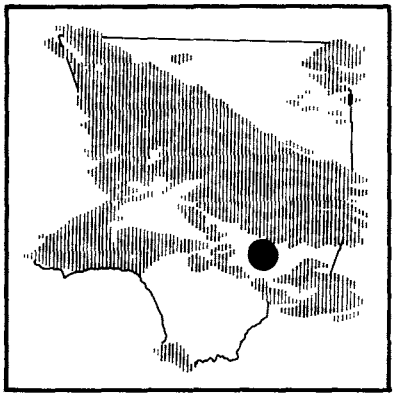
YEAR OR PERIOD — MEAN 77.5 — ACRE-FEET 55,370

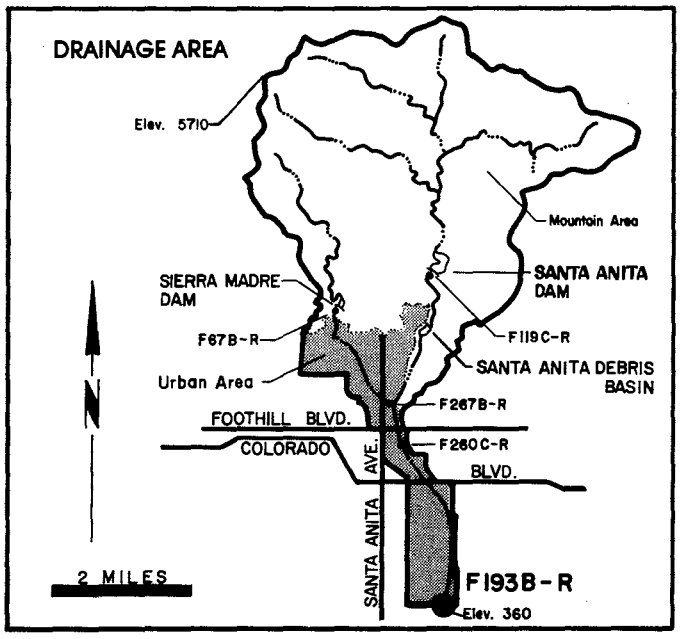
STA. NO. F192B-R
RIO HONDO BELOW LOWER AZUSA ROAD

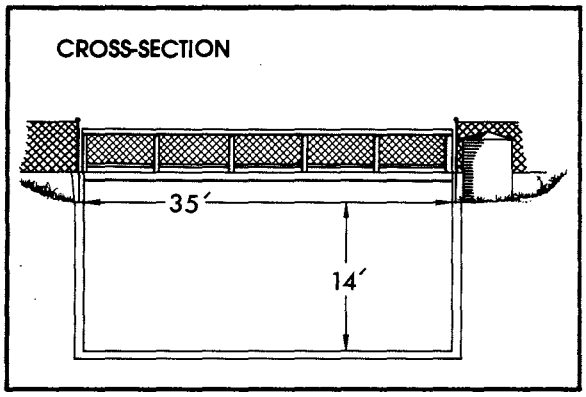
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1931-32	*	0	*	12710*			N.D.
1932-33	937	0	5.2	3800	1	20	5160
1933-34	2700	0	11.2	8110	1	1	5860
1934-35	324	0	11.3	8160	4	8	604
1935-36	114	0	4.7	3400	2	11	391
1936-37	904	0	38.6	27960	2	20	1030
1937-38	10500	0	241.0	174300	3	2	31000
1938-39	191	0	2.2	1570	1	5	680
1939-40	224	0	5.0	3640	1	7	288
1940-41	2220	0	113.0	81450	3	4	4000
1941-42	214	0.1	2.7	1980	12	10	254
1942-43	1300	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	9460	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	576	3	8	714
1968-69	4380	0	100.0	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	0.3	210	12	24	266
1972-73	270	0	14.5	10520	2	27	2390
1973-74	144	0	5.1	3720	1	7	196
1974-75	54	+	0.7	538	12	4	643
1975-76	34	0	0.5	345	9	11	635
1976-77	22.5	0	0.5	393	5	9	230
1977-78	1910	0	84.7	61288	2	10	3210
1978-79	163	0	19.7	14291	2	21	311
1979-80	1490	0	77.5	55368	2	16	3050

B = RECORD BEGAN AT B LOCATION 12-18-58.
N.D. = NOT DETERMINED
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.
* = RECORD INCOMPLETE

SANTA ANITA WASH
at Longden Avenue
STATION NO. F193B-R







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.

STATION NO. F193B-R

DAILY DISCHARGE in second-feet of SANTA ANITA WASH AT LONGDEN AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	+	0	0.3	0.1	1.4	413	21.2	33.3	27.3	1.4	0.3	0.1
2	+	0	0.2	0.1	1.4	606	4.6	33.3	13.2	1.4	0.2	0.1
3	+	0	0.1	4.4	1.0	479	2.5	31.3	3.6	1.4	0.2	0.1
4	+	0	0.1	23.3	0.2	867	2.5	31.3	0.3	1.0	0.2	0.1
5	+	3.2	0.1	3.9	11	723	1.0	29.3	2.0	1.0	0.1	10.7
6	+	2.0	0.1	10.8	8.5	495	14.7	29.3	3.6	1.0	0.1	3.5
7	0	0.3	0.1	1.4	15.9	429	36.3	29.3	3.6	1.0	0.2	0.2
8	0	0.1	0.1	1.4	21.5	332	27.3	27.3	3.6	1.0	0.1	0.1
9	0	0.3	0.1	21.5	258	295	8.9	27.3	2.5	0.7	0.1	0.1
10	+	0.1	0.1	37.7	877	262	13.2	27.3	2.5	1.0	0.2	0.1
11	0	0.1	0.1	2.0	344	240	17.2	27.3	2.5	1.0	0.2	0.1
12	0	0.1	0.1	0.2	250	251	12.1	25.3	3.6	0.7	0.1	0.1
13	0	0.1	0.1	0.1	192	245	36.3	25.3	2.5	0.7	0.1	0.2
14	+	0.1	0.2	53.5	122	225	36.3	25.3	2.5	0.7	0.2	0.1
15	0	0.1	0.1	260	113	201	101	23.2	2.5	0.7	0.1	0.1
16	+	0.2	0.1	144	113	112	54.3	21.2	2.5	0.3	0.1	0.1
17	+	0.1	3.9	48.6	107	60.3	42.3	23.2	2.5	0.7	0.2	0.1
18	0	0.1	9.8	19.3	104	60.3	39.3	23.2	2.5	0.3	0.1	0.1
19	+	0.1	0.1	11.8	96.3	57.3	42.3	21.2	2.0	0.3	0.1	0.1
20	+	0.1	0.1	2.5	96.3	57.3	31.3	21.2	2.5	0.3	0.1	0.1
21	+	0.1	0.2	2.5	52.7	74.4	21.2	21.2	2.0	0.3	0.1	0.1
22	0	0.1	0.1	3.6	17.2	83.7	21.2	19.2	2.0	0.2	0.1	0.1
23	0	0.1	2.6	4.6	11.1	54.3	19.2	12.1	2.0	0.2	0.1	0.1
24	0	0.1	0.1	3.6	10	38.7	15.2	12.1	1.4	0.3	0.1	0.1
25	+	0.1	3.0	3.6	10	18.9	154	17.2	1.4	0.2	0.1	0.2
26	+	0.1	36.5	3.6	11.1	12.1	220	19.2	1.4	0.2	0.1	0.3
27	0	0.1	21.4	3.6	11.1	8.9	152	23.2	2.0	0.2	0.1	0.2
28	0	0.1	95.2	2.5	114	10	99	27.3	2.0	0.3	0.1	0.3
29	0	0.1	2.0	3.6		13.2	48.3	31.3	2.0	0.2	0.1	0.3
30	0	0.1	0.3	5.7		59.1	39.3	31.3	1.4	0.2	0.1	0.2
31	0		0.9	5.9		79.5		27.3		0.2	0.1	
MEAN	0	0.3	5.7	22.2	106	221	44.5	25.1	3.5	0.6	0.1	0.6
	+	16.1	353	1,370	5,890	13,610	2,650	1,540	209	37.9	8.1	35.9

YEAR OR PERIOD MEAN 35.8
ACRE-FEET 25,720

STATION NO. F193B-R

DAILY DISCHARGE in second-feet of SANTA ANITA WASH AT LONGDEN AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.2	0.1	1.0	0.2	23.1	23.2	31.3	3.6	1.4	0.1	1.0	1.0
2	0.2	0.1	0.3	0.2	22.2	3.6	27.3	3.6	1.4	0.1	1.0	1.0
3	0.2	0.1	1.0	0.2	13.2	1.0	25.3	3.6	1.4	0.1	1.0	1.0
4	0.2	0.1	2.0	0.2	54.3	1.4	26.8	3.6	1.4	0.1	1.0	0.7
5	0.2	0.1	2.5	538	25.3	1.0	31.3	3.6	1.4	0.1	1.0	0.7
6	0.2	0.1	2.5	342	7.8	1.4	29.3	3.6	1.4	0.1	1.0	0.7
7	0.2	0.1	3.6	4.6	6.8	1.4	27.3	2.0	1.4	0.1	1.0	0.7
8	0.3	0.1	3.6	3.6	6.8	1.4	29.3	2.0	1.0	0.1	1.0	0.7
9	0.3	1.0	3.6	3.6	6.8	1.4	27.3	2.0	0.7	0.1	1.0	0.7
10	0.3	7.8	3.6	4.6	5.7	1.4	29.3	2.0	0.7	0.1	1.0	0.7
11	0.2	195	3.6	3.6	5.7	5.7	25.3	1.4	0.7	0.2	1.0	0.7
12	0.2	31.3	3.6	2.0	5.7	2.5	19.2	2.0	0.7	0.1	1.4	0.7
13	0.2	19.2	4.6	1.4	7.8	9.2	12.1	1.4	0.7	0.3	1.4	1.0
14	0.2	5.7	4.6	4.9	14.1	9.9	6.8	1.4	0.7	0.1	2.0	1.0
15	0.2	3.6	4.6	57.5	6.8	1.4	7.8	1.0	0.7	0.1	1.4	0.7
16	0.2	2.5	4.6	18.2	6.8	2.8	8.9	1.4	1.0	0.2	1.4	0.3
17	0.2	8.9	235	2.5	6.8	29.5	11.1	1.4	1.0	0.3	1.4	0.7
18	0.2	15.2	1,160	4.6	6.8	11.9	10	1.4	0.7	0.7	1.4	0.3
19	0.2	11.1	171	2.0	6.8	21.8	3.6	1.4	0.2	1.4	1.4	0.7
20	0.2	7.8	6.8	2.0	23.2	6.1	3.6	1.4	0.3	1.4	1.4	0.3
21	0.2	4.6	1.0	2.0	120	4.6	3.6	1.4	0.3	2.0	1.4	0.3
22	0.2	6.8	0.2	2.5	12.1	1.4	2.0	1.4	0.2	1.4	1.4	0.7
23	0.7	1.0	0.2	3.7	22.8	1.4	2.5	1.4	0.1	1.4	1.4	1.0
24	0.2	0.7	0.2	2.5	10	2.0	2.5	1.4	0.1	1.4	1.4	0.7
25	0.7	10	0.2	3.6	10	2.0	2.5	1.4	0.3	1.4	1.4	0.3
26	0.2	0.3	0.2	2.5	10	2.0	2.5	1.4	0.2	1.4	1.4	0.7
27	0.2	0.3	0.2	2.5	8.9	93.9	2.5	1.4	0.2	1.4	1.4	0.7
28	0.2	0.2	0.2	5.7	10	26.2	2.5	1.4	0.3	1.4	1.4	0.3
29	0.2	0.2	0.2	5.7		23.2	3.6	1.4	0.1	1.0	1.4	0.7
30	0.3	0.1	0.2	116		11.1	3.6	1.4	0.1	1.0	1.0	0.7
31	0.1		0.2	59.7		8.9		1.4		1.0	1.0	
MEAN	0.2	11.1	52.4	38.8	16.7	10.2	14	1.9	0.7	0.7	1.3	0.7
	14.9	663	3,220	2,380	925	624	834	117	41.3	40.9	77	40.5

YEAR OR PERIOD MEAN 12.4
ACRE-FEET 8,980

STATION NO. F193B-R

DAILY DISCHARGE in second-feet of SANTA ANITA WASH AT LONGDEN AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.1	0.2	0.3	0.3	27.3	147	15.2	31.3	42.3	11.1	1.0	2.0
2	0.1	0.3	0.3	0.3	33.3	506	12.5	33.3	42.3	10	1.0	2.5
3	0.1	0.3	0.3	0.3	29.3	358	38.7	28.8	36.3	8.9	0.7	1.4
4	0.1	0.3	0.3	0.3	15.2	257	31.3	31.3	33.3	8.9	1.0	0.3
5	0.1	0.3	0.3	0.3	4.6	465	32.5	31.3	31.3	7.8	1.4	0.3
6	0.1	0.3	0.3	0.3	3.6	837	31.3	27.3	29.3	7.8	2.0	0.3
7	0.1	1.3	0.3	1.0	2.5	878	27.3	29.3	27.3	7.8	1.0	1.0
8	0.1	0.7	0.3	0.7	2.0	909	29.3	31.3	25.3	7.8	1.0	1.4
9	0.1	0.7	0.3	73.5	2.0	780	39.3	31.3	23.2	7.8	1.0	0.7
10	0.1	0.3	0.3	55.4	2.0	653	45.3	37.9	23.2	6.8	1.0	0.7
11	0.1	0.3	0.3	23.7	2.0	111	45.3	27.3	21.2	5.7	1.0	0.7
12	0.1	0.2	0.3	12.1	2.0	21.2	42.3	27.3	18.1	5.7	1.0	1.0
13	0.2	0.3	0.3	20	118	44.3	42.3	29.3	17.2	3.6	1.0	1.0
14	0.2	0.3	0.3	11.3	366	129	42.3	31.3	13.2	3.6	1.0	0.7
15	0.2	0.3	0.3	3.6	651	134	42.3	45.3	15.2	3.6	1.0	1.0
16	0.2	0.3	0.3	1.4	885	142	35.8	42.3	15.3	4.6	1.0	1.0
17	0.2	0.2	0.7	1.3	1,690	142	29.3	42.3	19.2	2.5	1.0	0.3
18	0.2	0.7	1.0	4.6	1,390	167	31.3	39.3	21.2	2.0	1.0	0.3
19	1.0	0.3	0.7	4.6	1,020	142	29.3	39.3	23.2	1.4	1.0	0.3
20	63.1	0.7	0.3	4.6	1,550	142	29.3	39.3	23.2	1.4	1.0	0.3
21	0.3	0.7	1.0	4.6	457	144	31.3	33.1	23.2	1.4	1.0	1.0
22	0.3	0.7	0.3	5.7	430	134	33.8	29.3	25.3	1.4	1.0	0.7
23	0.2	0.7	0.3	5.7	680	134	27.3	27.9	15.2	1.4	0.7	0.7
24	0.2	0.7	4.6	5.7	1,090	129	29.3	27.3	7.8	1.4	0.7	1.4
25	0.2	0.3	2.2	4.6	941	139	25.3	29.3	32.7	1.0	1.0	4.6
26	0.2	0.3	0.7	2.5	841	129	25.3	29.3	19.2	1.4	1.0	4.6
27	0.2	0.3	0.3	2.5	816	108	23.2	37.6	21.2	1.0	0.7	4.6
28	0.2	0.3	0.3	155	558	104	36	110	23.2	1.4	1.4	4.6
29	0.2	0.3	0.3	273	152	75.6	36.3	42.3	23.2	1.0	1.0	4.6
30	0.2	0.7	0.3	74.3		17.2	31.3	42.3	21.2	1.0	2.5	5.7
31	0.2		0.3	59.6		15.2		42.3		1.0	2.0	
MEAN	2.2	0.4	0.6	26.2	475	261	32.4	36.3	23.8	4.3	1.1	1.7
	137	26.4	35.9	1,610	27,290	16,050	1,930	2,230	1,410	262	67.6	98.6

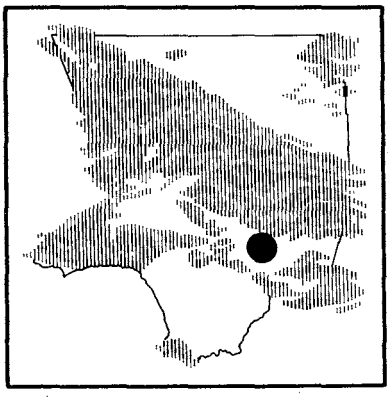
YEAR OR PERIOD MEAN 72.1
ACRE-FEET 51,150

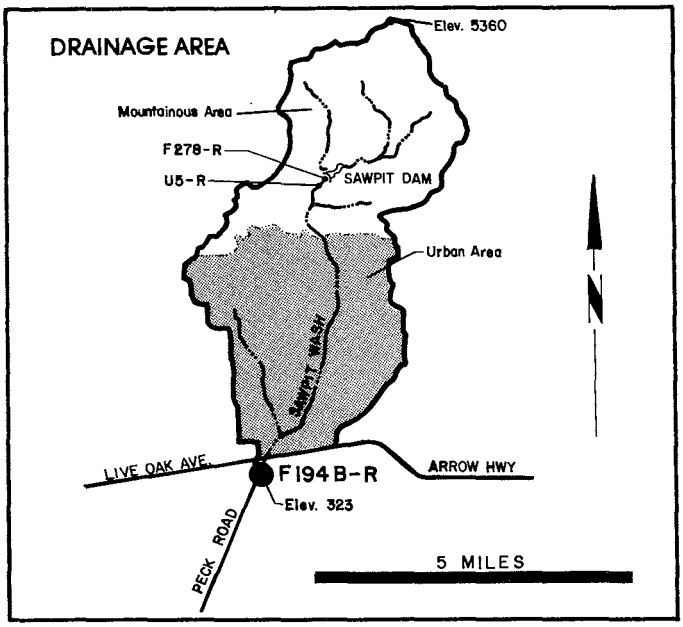
STA. NO. F193B-R
SANTA ANITA WASH AT LONGDEN AVENUE

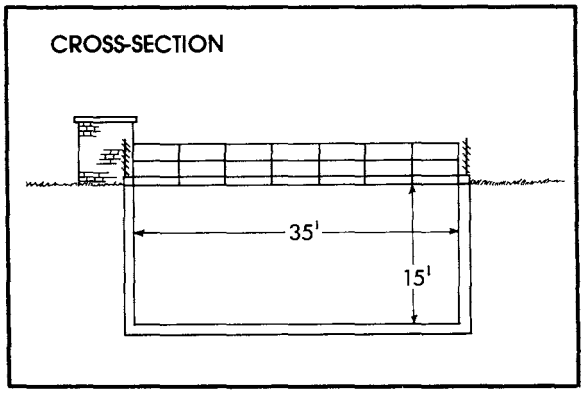
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1959-60B	55	+	0.6	465	4	27	534
1960-61	33	0	0.3	216	11	12	314
1961-62	693	0	8.2	5910	2	11	1780
1962-63	101	0	1.0	709	2	9	621
1963-64	47	0	0.9	650	11	20	581
1964-65	63	0	1.4	985	4	9	518
1965-66	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	2760	+	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
1972-73	595	0	5.9	4270	2	27	1630
1973-74	158	+	2.9	2090	1	7	518
1974-75	95	0	1.2	875	12	4	943
1975-76	82	0	1.5	1060	9	11	766
1976-77	46	0	1.0	752	10	23	694
1977-78	877	0	35.5	25720	2	10	2350
1978-79	1160	0.1	12.4	8978	2	21	1730
1979-80	1690	0.1	72.1	51148	1	29	2090

B = RECORD BEGAN AT B LOCATION 01-05-60.
\+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

SAWPIT WASH
below Live Oak Avenue
STATION NO. F194B-R







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.

STATION NO. F194B-R

DAILY DISCHARGE in second-feet of SAWPIT WASH BELOW LIVE OAK AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.1	0.1	216	27.2	180	360	64.7	223	115	0.3	0.4	0.3
2	0.1	0.1	245	25.9	180	250	60.5	180	118	0.3	0.3	0.2
3	0.1	4.1	241	16.1	72.9	148	90.9	180	115	0.4	0.3	0.2
4	0.1	5.5	241	39.3	0.2	381	175	183	112	4.1	0.3	0.2
5	0.1	15.8	241	4.5	19.3	279	166	183	112	8.1	0.2	29.8
6	0.1	5.9	257	17.6	117	131	223	180	115	14.6	0.2	8.0
7	0.1	5.9	257	2.5	174	107	209	180	121	6.8	0.2	0.3
8	0.1	4.8	269	2.2	141	93.2	176	180	110	5.5	0.4	32.8
9	0.1	1.2	277	42.6	320	81	163	180	66.3	5.9	0.3	9.9
10	0.1	11.3	277	75.1	282	45.9	137	180	32.1	12.2	0.3	5.5
11	0.1	9.7	277	4.1	85.8	47.3	115	180	6.4	6.4	0.3	1.8
12	0.1	8.9	277	1.3	115	33.7	112	180	5.5	3.3	0.2	0.4
13	0.1	8.1	282	1.3	56.3	31.9	107	180	5.5	0.3	0.2	1.0
14	0.1	3.6	286	86.2	18	23.3	101	59.1	5.5	0.4	0.2	0.3
15	0.1	2.0	282	73.4	13	16.7	184	67.4	5.5	0.3	0.6	0.3
16	0.1	4.3	298	144	10.5	18	61.2	180	5.5	2.5	0.4	0.2
17	0.2	1.5	300	14.2	6.4	20.6	49.6	180	5.5	1.8	0.3	0.3
18	0.1	1.3	32.5	2.7	26	21.9	101	176	5.0	1.0	0.3	0.4
19	0.2	1.3	155	19.4	52	38.5	166	118	4.1	0.5	0.2	1.5
20	0.1	1.3	205	9.5	52	58.4	239	28.5	2.0	0.3	0.5	0.9
21	0.1	22.7	8.9	22	52	83.1	359	28.5	1.8	0.3	0.3	0.4
22	0.1	113	1.8	30.2	129	127	197	95.6	0.4	0.3	0.2	0.3
23	0.1	151	7.2	83.8	226	66.8	204	173	0.4	0.3	0.2	0.2
24	0.1	157	0.4	184	226	91.6	209	176	0.4	2.0	0.2	0.2
25	0.1	163	7.4	77.6	219	128	115	191	0.4	0.4	0.2	0.6
26	0.1	163	67.5	76.3	205	150	25.9	200	0.3	0.4	0.2	0.6
27	0.2	166	42.9	176	211	170	88.6	190	0.3	0.4	0.2	0.9
28	0.1	184	173	176	250	197	186	186	0.3	0.4	1.5	0.4
29	0.1	199	10.5	176		193	193	176	0.3	0.2	1.9	0.3
30	0.1	207	20.2	180		180	218	176	0.3	0.2	1.1	0.3
31	0.1		27.2	186		130		176		0.3	0.3	
MEAN	0.1	54.1	170	63.8	123	119	150	160	35.7	2.6	0.4	3.3
	6.7	3,220	10,480	3,920	6,820	7,340	8,920	9,850	2,130	159	24.6	195

YEAR OR PERIOD MEAN 73.5
ACRE-FEET 53,070

STATION NO. F194B-R

DAILY DISCHARGE in second-feet of SAWPIT WASH BELOW LIVE OAK AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.2	0.4	1.5	0.2	27.8	30.1	7.3	74.2	150	0.3	0.6	0.2
2	0.3	0.4	0.2	0.2	30.4	2.7	6.8	137	150	0.2	0.6	0.2
3	2.5	0.3	0.2	1.1	7.3	4.5	6.8	144	150	0.2	0.8	0.3
4	3.2	0.2	0.3	0.4	6.4	4.5	6.4	140	150	0.2	0.2	0.3
5	2.5	0.2	0.6	88.6	4.5	2.2	5.9	134	150	0.3	0.2	0.3
6	6.0	0.2	0.6	7.9	2.0	1.3	5.9	134	150	0.2	0.3	0.3
7	12.2	0.2	0.3	4.1	1.8	2.5	5.5	144	150	0.2	0.2	0.4
8	11.3	0.2	0.2	2.0	1.3	1.8	5.5	150	44	0.2	0.2	0.2
9	10.5	0.2	0.2	4.8	1.8	2.0	5.9	147	31.9	0.3	0.3	0.2
10	8.9	8.4	0.2	0.4	4.1	3.6	5.0	144	31.9	0.9	0.2	0.3
11	3.5	26.3	0.3	0.3	4.1	3.6	5.0	147	33.7	0.6	0.3	0.3
12	0.2	0.2	0.3	0.3	3.6	2.5	5.0	134	33.7	0.6	0.2	0.2
13	0.2	5.6	0.3	1.3	3.6	7.7	4.5	131	35.4	0.4	0.3	0.3
14	0.2	0.7	0.3	10.8	9.1	7.7	4.5	118	35.4	1.3	0.2	0.3
15	0.2	0.9	0.3	70.5	1.3	4.8	4.5	124	2.7	2.0	0.2	0.3
16	0.2	0.9	0.4	29.4	4.1	4.5	4.5	121	0.4	0.6	0.3	0.3
17	0.2	0.3	67.4	5.3	3.6	21.3	4.1	121	1.1	0.3	0.2	0.3
18	0.2	0.2	37.3	8.0	3.6	16.8	4.1	137	31.9	0.3	0.2	0.2
19	0.2	0.2	6.5	0.4	4.1	22.3	4.1	160	38.8	0.3	0.2	0.3
20	0.4	0.2	0.9	0.4	23.8	11.7	4.1	157	38.8	0.4	0.2	0.3
21	0.2	26.1	1.3	0.4	80.1	5.9	3.6	157	47.1	0.3	0.2	0.2
22	0.2	1.5	1.5	0.4	5.0	5.9	3.6	157	2.3	0.2	0.2	0.3
23	0.2	0.2	1.3	0.4	18.3	5.5	3.6	157	1.1	0.2	0.2	0.3
24	0.3	0.2	0.6	0.4	5.5	5.5	3.6	157	1.1	0.2	0.2	0.3
25	0.4	7.3	0.4	0.8	5.0	5.0	3.6	153	34.3	0.2	0.3	0.3
26	0.4	2.2	0.4	0.3	2.2	5.0	3.2	150	40.5	0.2	0.3	0.4
27	0.4	1.5	0.4	0.2	1.1	58.6	3.6	140	38.8	0.3	0.4	0.3
28	0.4	0.4	0.6	4.5	1.8	21.1	3.6	147	35.4	0.2	0.9	0.6
29	0.4	0.4	1.5	1.9		17.3	3.2	153	10.1	0.2	0.9	0.4
30	1.0	1.6	0.2	77.7		8.9	2.0	150	0.3	0.3	0.9	0.2
31	0.4		0.2	75.9		8.1		150		0.9	0.4	
MEAN	2.2	2.9	4.1	12.9	9.5	9.8	4.6	141	53.7	0.4	0.3	0.3
	134	174	251	792	530	605	276	8,670	3,190	25.8	21.4	17.5

YEAR OR PERIOD MEAN 20.1
ACRE-FEET 14,690

STATION NO. F194B-R

DAILY DISCHARGE in second-feet of SAWPIT WASH BELOW LIVE OAK AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.3	0.3	0.4	0.2	15.4	234	93.2	90.5	183	0.9	0.4	0.2
2	0.3	0.3	0.2	0.2	14.6	368	98.7	93.2	176	0.9	0.4	0.2
3	0.3	0.3	0.2	0.3	13.8	211	75.9	93.2	109	0.9	0.4	0.9
4	0.2	0.3	0.2	0.3	13	37.1	13	93.2	76.3	0.9	0.4	0.4
5	0.3	0.3	0.3	0.2	9.7	70.9	13	93.2	78.6	0.9	0.4	0.4
6	0.3	45.7	0.2	0.2	10.5	71.7	13	61.9	69.7	0.6	0.4	0.4
7	0.4	214	0.3	5.2	8.9	28.5	13	39.3	52	0.6	0.4	0.4
8	0.3	237	0.3	1.1	4.1	27.2	13	88.1	52	0.6	0.4	0.4
9	0.2	237	0.2	93.3	0.9	24.6	12.2	90.5	56.2	0.6	0.4	0.4
10	0.2	237	0.2	61.7	0.9	21.9	12.2	107	56.2	0.6	0.4	0.4
11	0.2	237	0.2	42.5	0.6	18	30.5	88.1	42.9	0.6	0.4	0.4
12	0.2	237	0.2	17.4	1.8	15.4	66.8	88.1	47.8	0.6	0.4	0.4
13	0.2	237	0.2	35.4	88.9	13.8	66.8	85.8	47.8	0.9	0.4	0.4
14	0.2	237	0.3	20.9	169	13	66.8	83.4	47.8	0.6	0.4	0.4
15	0.2	237	0.3	5.9	394	12.2	66.8	83.4	47.8	0.6	0.6	0.6
16	0.2	230	0.2	7.3	918	11.3	62.6	85.8	49.9	0.6	0.9	0.9
17	0.2	234	0.2	13.8	288	9.7	54.1	88.1	49.9	0.6	1.1	0.9
18	4.2	230	0.3	10.5	201	64.8	53.1	88.1	47.8	0.6	0.9	1.1
19	52.1	230	1.1	7.3	244	93.2	45.7	88.1	47.8	0.4	0.4	0.9
20	3.2	230	0.6	7.3	148	98.7	23.3	90.5	47.8	0.4	0.4	0.4
21	1.8	230	1.8	8.1	143	112	40.8	88.1	45.7	0.6	0.4	0.3
22	1.1	234	0.2	6.8	96	110	85.8	88.1	45.7	0.6	0.6	0.4
23	1.1	241	0.2	1.5	85.8	110	81	88.1	45.7	0.4	0.4	0.3
24	0.9	237	8.4	0.9	76.3	110	78.6	85.8	42.3	0.4	0.4	0.3
25	0.3	230	3.6	0.4	54.1	126	78.6	85.8	2.5	0.4	0.4	0.3
26	0.3	234	0.2	0.3	38.4	58.9	81	90.5	1.1	0.4	0.3	0.3
27	0.2	218	0.2	1.5	25.9	61	79	96	0.9	0.4	0.3	0.4
28	0.2	218	0.2	156	23.3	101	85.8	96	0.9	0.4	0.3	0.3
29	0.2	192	0.2	201	101	101	90.5	128	0.9	0.4	0.3	0.3
30	0.2	1.3	0.2	32.3		101	93.2	186	0.6	0.4	0.2	0.3
31	0.3		0.2	20.6		98.7		183		0.4	0.2	
MEAN	2.3	178	0.7	24.5	110	81.8	56.3	94.7	52.4	0.6	0.4	0.5
	139	10,600	42.6	1,510	6,320	5,030	3,350	5,820	3,120	36.1	27.2	27.2

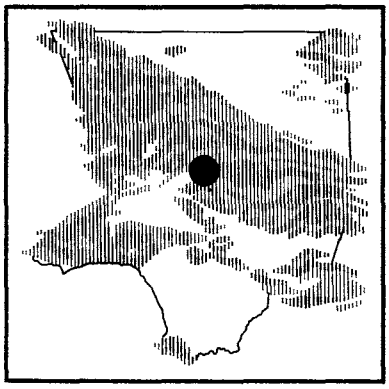
YEAR OR PERIOD MEAN 50.2
ACRE-FEET 36,020

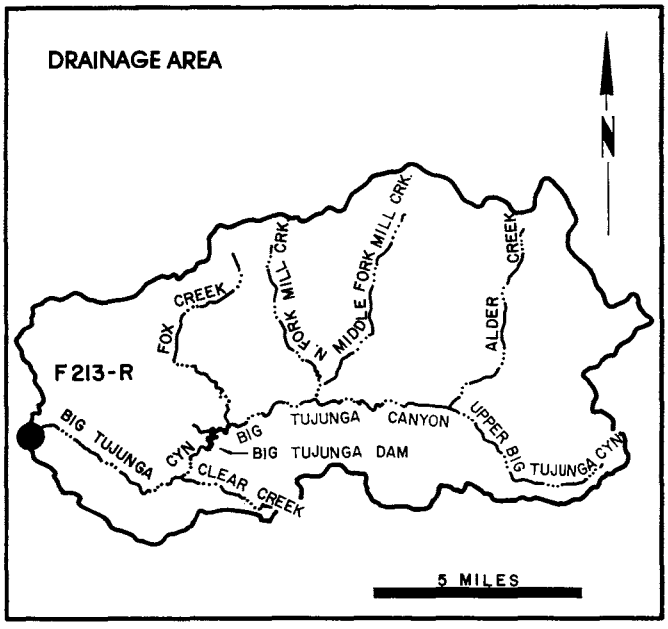
STA. NO. F194B-R
SAWPIT WASH BELOW LIVE OAK AVENUE

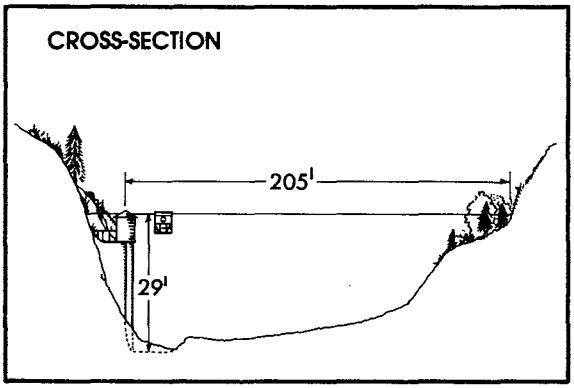
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1960-61B	50	+	*	263*	1	26	420
1961-62	573	+	16.6	11980	2	11	1300
1962-63	137	+	1.6	1180	2	9	690
1963-64	83	+	1.6	1190	1	22	682
1964-65	95	+	2.1	1500	4	9	1290
1965-66	243	+	7.3	9240	12	29	1470
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
1972-73	381	0	16.8	12130	2	27	2860
1973-74	265	0.1	9.0	6490	1	7	652
1974-75	180	+	2.8	2010	12	4	2140
1975-76	101	0.1	1.8	1310	9	11	1790
1976-77	118	0.1	3.8	2732	10	23	1090
1977-78	*	*	*	*			*
1978-79	160	0.2	20.3	14687	2	21	1280
1979-80	886	0.2	50.2	35952	2	16	3940

B = RECORD BEGAN AT B LOCATION 12-05-60.
\+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.
* = RECORD INCOMPLETE

BIG TUJUNGA CREEK
above Gold Canyon
STATION NO. F213-R







RECORDER- continuous water stage.
METHOD OF MEASUREMENTS- wading or 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.

STATION NO F213-R

DAILY DISCHARGE in second-feet of BIG TUJUNGA CREEK ABOVE GOLD CANYON — FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	3.6	12.6	+	57.6	46.8	B 2,070	B 885	B 185	B 175	B 78	B 16	B 21
2	+	18	0	21.6	23.4	B 1,670	B 819	B 183	B 173	B 75	B 16	B 21
3	0	16.2	0	10.8	18	B 1,510	B 753	B 181	B 170	B 73	B 15	B 21
4	0	0	0	26.2	14.4	B 5,000	B 687	B 179	B 168	B 70	B 14	B 21
5	0	0	0	41.4	21.6	B 3,010	B 621	B 177	B 166	B 67	B 14	B 60
6	21.6	0	0	84.6	45	B 2,050	B 555	B 166	B 163	B 64	B 14	B 85
7	36	0	0	108	142	B 1,390	B 489	B 155	B 161	B 61	B 14	B 80
8	28.8	0	0	52.2	363	B 889	B 423	B 144	B 159	B 58	B 69	B 66
9	21.6	0	0	12.6	B 3,650	B 807	B 357	B 133	B 155	B 55	B 69	B 30
10	16.2	0	0	98.2	B13,600	B 508	B 291	B 122	B 151	B 52	B 69	B 16
11	14.4	0	0	224	B 1,520	B 376	B 225	B 111	B 147	B 50	B 69	B 11
12	16.2	0	0	97.4	B 730	B 400	B 236	B 114	B 143	B 47	B 69	B 11
13	9.0	0	0	+	B 634	B 383	B 246	B 117	B 139	B 44	B 69	B 11
14	7.2	0	0	17.9	B 574	B 373	B 257	B 121	B 135	B 42	B 69	B 11
15	7.2	0	0	419	B 490	B 363	B 268	B 125	B 131	B 39	B 50	B 11
16	1.8	0	0	304	B 342	B 280	B 279	B 128	B 127	B 37	B 17	B 11
17	0	0	0	252	B 252	B 222	B 290	B 132	B 124	B 34	B 17	B 11
18	7.2	0	0	281	B 113	B 217	B 300	B 135	B 119	B 32	B 17	B 11
19	12.6	0	0	274	B 158	B 213	B 311	B 139	B 116	B 29	B 17	B 11
20	19.8	0	0	260	B 55.8	B 210	B 289	B 142	B 112	B 27	B 17	B 28
21	19.8	0	0	238	B 50.4	B 212	B 267	B 146	B 108	B 26	B 17	B 28
22	16.2	0	0	215	B 121	B 457	B 244	B 150	B 104	B 25	B 17	B 30
23	3.6	0	0	152	B 181	B 359	B 222	B 153	B 101	B 24	B 17	B 28
24	0	0	0	70.2	B 178	B 222	B 200	B 157	B 98	B 24	B 17	B 26
25	+	0	0	64.8	B 173	B 191	B 198	B 161	B 95	B 22	B 18	B 25
26	3.6	0	0	39.6	B 173	B 187	B 196	B 163	B 92	B 22	B 18	B 25
27	9.0	0	0	30.6	B 194	B 161	B 194	B 165	B 89	B 21	B 19	B 25
28	7.2	0	8.8	14.4	B 472	B 126	B 191	B 167	B 86	B 20	B 19	B 25
29	7.2	0	108	19.8		B 126	B 189	B 169	B 84	B 19	B 20	B 25
30	9.0	+	68.4	30.6		B 284	B 187	B 171	B 81	B 18	B 20	B 25
31	10.8		81	43.2		B 956		B 173		B 17	B 20	
MEAN	10	1.6	8.6	115	869	814	356	150	129	41	29.8	27
	614	92.8	528	7,060	48,270	50,030	21,160	9,250	7,680	2,520	1,830	1,610

YEAR OR PERIOD — MEAN 213 — ACRE-FEET 150,600

RECORDS INCOMPLETE 1979

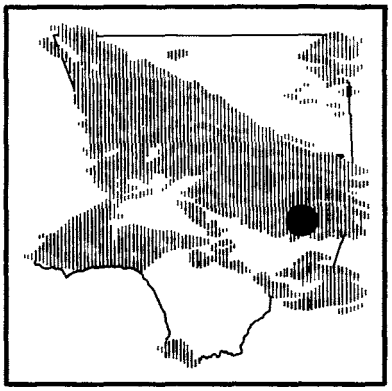
NO RECORD 1980

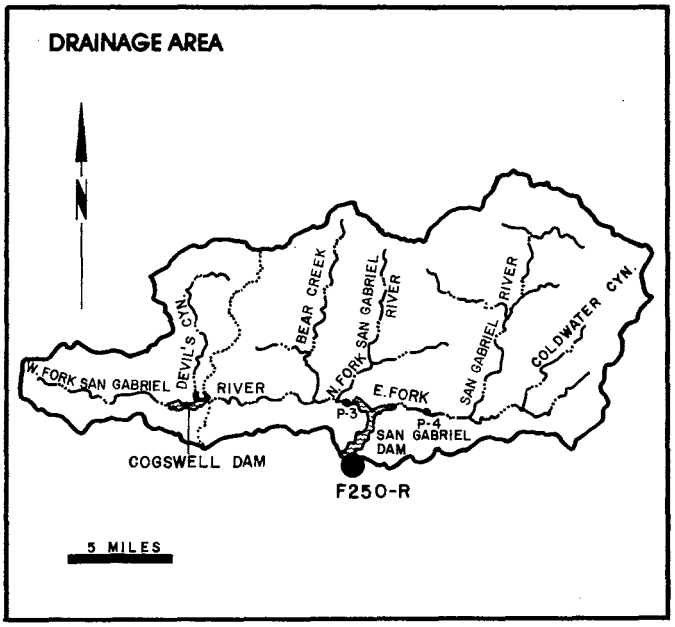
STA. NO. F213-R
BIG TUJUNGA CREEK ABOVE GOLD CANYON

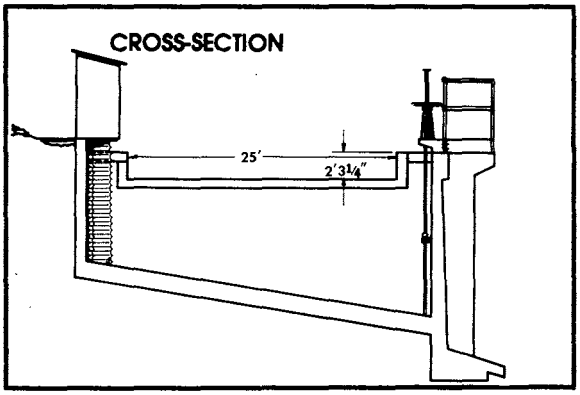
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1932-33	488	1.1	10.5	7590	1	19	1390
1933-34	634	0.9	10.6	7700	1	1	1450
1934-35	354	2.6	20.5	14840	4	8	671
1935-36	150	2.4	10.5	7640	2	2	494
1936-37	423	1	50.1	36260	12	27	495
1937-38	13000E	2.5	116.0	83960	3	2	50000E
1938-39	316	3.5	18.8	13640	12	20	380
1939-40	350E	1.6	15.1	10990			N.D.
1940-41	1260	1.2	109.0	78840	2	21	1650
1941-42	62	4.4	14.8	10690	12	28	165
1942-43	8000E	1.2	105.0	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	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	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	213.0	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	121E
1972-73	970	0.3	28.3	20480	2	11	1840
1973-74	235	1	13.6	9820	1	7	336
1974-75	94	1	15.1	10900	3	6	232
1975-76	151	0.9	8.5	6080	2	9	378
1976-77	202	+	8.7	6264	1	3	444
1977-78	13600	0	208.0	150645	2	10	26000
1978-79	579	1	55.1	39785			*
1979-80	*	*	*	*			*

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

SAN GABRIEL-AZUSA CONDUIT
at 25 ft. Weir below San Gabriel Dam
STATION NO. F250-R







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 in section.
CONTROL- 25-foot concrete weir.
LENGTH OF RECORD- February 26, 1933, to date.
REMARKS- approximate capacity 95 second-feet.

STATION NO. F250-R

DAILY DISCHARGE in second-feet of SAN GABRIEL RIVER - AZUSA COND. 25 FT. WEIR BELOW DAM FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	54.5	54.5	59	35.1	69.5	44.2	78.2	69.5	73.2	1.8	0	74.5
2	54.5	54.5	59	35.1	69.5	1.8	72	69.5	73.2	1.8	0	74.5
3	54.5	49.1	59	35.1	69.5	1.8	69.5	69.5	73.2	1.8	0	74.5
4	54.5	45.9	59	35.1	69.5	1.5	69.5	69.5	74.5	1.8	0	74.5
5	55.6	44.9	60.1	35.1	69.5	1.3	69.5	69.5	74.5	1.8	0	74.5
6	55.6	44.9	59	35.9	70.7	1.5	69.5	69.5	73.2	1.8	0	74.5
7	55.6	43.9	59	35.1	50.6	1.8	69.5	69.5	73.2	1.8	0	74.5
8	55.6	44.9	59	34.2	43	1.8	69.5	69.5	73.2	1.8	0	74.5
9	54.5	44.9	59	34.2	50	1.8	69.5	69.5	33.2	1.8	0	74.5
10	54.5	44.9	59	54.6	1.5	13.3	69.5	70.7	1.8	1.8	0	74.5
11	54.5	44.9	59	69.5	1.8	28.1	69.5	70.7	1.8	0.7	0	74.5
12	54.5	44.9	59	69.5	1.8	25.5	69.5	70.7	1.8	0	0	74.5
13	54.5	44.9	59	69.5	1.8	39.2	69.5	70.7	1.8	0	0	73.2
14	54.5	44.9	59	70.7	1.8	50.2	69.5	70.7	1.8	0	0	73.2
15	55.6	44.9	60.1	68.3	1.5	62.5	67.2	69.5	1.8	0	0	73.2
16	54.5	44.9	60.1	39.4	32.1	69.5	67.2	69.5	1.8	0	0	74.5
17	54.5	44.9	60.1	1.1	51.3	70.7	70.7	69.5	1.8	0	0	74.5
18	54.5	43.9	59	1.1	52.3	70.7	70.7	73.2	1.8	0	0	74.5
19	54.5	44.9	59	1.1	52.3	70.7	70.7	74.5	1.8	0	0	75.7
20	54.5	44.9	59	1.1	50.2	70.7	69.5	74.5	1.8	0	0	74.5
21	54.5	46.8	43.8	1.1	61.3	70.7	69.5	74.5	1.5	0	0	73.2
22	54.5	60.2	35.1	1.3	69.5	70.7	68.3	74.5	1.5	0	0	74.5
23	54.5	69.5	35.1	1.3	69.5	70.7	69.5	75.7	1.5	0	45.9	74.5
24	54.5	68.3	35.1	1.3	69.5	70.7	70.7	74.5	1.5	37.3	74.5	74.5
25	54.5	69.5	35.1	46.3	70.7	69.5	69.5	74.5	1.5	27.8	74.5	74.5
26	54.5	69.5	35.1	69.5	69.5	69.5	69.5	74.5	1.5	0.9	74.5	74.5
27	54.5	68.3	35.9	69.5	69.5	69.5	69.5	74.5	1.8	0	74.5	73.2
28	54.5	62.5	37.8	69.5	69.5	69.5	69.5	74.5	1.8	0	74.5	74.5
29	54.5	59	36.8	69.5		68.3	69.5	73.2	1.8	0	74.5	74.5
30	54.5	59	35.1	69.5		69.5	69.5	74.5	1.8	0	74.5	74.5
31	54.5		35.9	68.3		73.2		73.2		0	74.5	
MEAN	54.7	51.8	51.1	39.6	48.5	45.2	69.8	71.9	21.9	2.7	20.7	74.3
	3,360	3,080	3,140	2,440	2,700	2,780	4,160	4,420	1,300	168	1,270	4,420

YEAR OR PERIOD MEAN 46
ACRE-FEET 33,240

STATION NO. F250-R

DAILY DISCHARGE in second-feet of SAN GABRIEL RIVER - AZUSA COND. 25 FT. WEIR BELOW DAM FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	74.5	73.2	73.2	74.5	70.7	70.7	67.1	69.5	73.2	73.2	73.2	73.2
2	75.7	73.2	73.2	74.5	70.7	69.5	73.2	69.5	73.2	86.7	73.2	73.2
3	75.7	73.2	73.2	74.5	70.7	69.5	70.7	64.8	74.5	105	73.2	72
4	74.5	73.2	72	74.5	69.5	69.5	70.7	53.4	73.2	103	73.2	73.2
5	73.2	73.2	72	73.2	70.7	69.5	70.7	49.1	73.2	83.3	73.2	73.2
6	74.5	73.2	72	73.2	70.7	70.7	70.7	49.1	72	74.5	73.2	73.2
7	73.2	73.2	72	73.2	70.7	70.7	70.7	63.6	72	73.2	73.2	73.2
8	74.5	73.2	72	73.2	70.7	69.5	70.7	70.7	72	73.2	73.2	73.2
9	74.5	73.2	72	73.2	69.5	69.5	70.7	70.7	72	70.7	73.2	73.2
10	74.5	74.5	72	73.2	69.5	69.5	70.7	69.5	72	72	73.2	73.2
11	74.5	74.5	72	73.2	69.5	69.5	70.7	69.5	73.2	73.2	73.2	73.2
12	74.5	74.5	72	73.2	70.7	69.5	70.7	69.5	72	73.2	73.2	73.2
13	74.5	74.5	72	73.2	70.7	68.3	70.7	69.5	72	72	73.2	73.2
14	74.5	74.5	72	72	70.7	68.3	70.7	69.5	72	73.2	73.2	73.2
15	74.5	74.5	73.2	72	70.7	68.3	70.7	69.5	72	73.2	73.2	73.2
16	74.5	74.5	73.2	72	70.7	68.3	70.7	69.5	73.2	73.2	73.2	73.2
17	74.5	74.5	73.2	73.2	70.7	70.7	70.7	72	73.2	73.2	73.2	73.2
18	73.2	74.5	62.1	73.2	70.7	70.7	70.7	72	73.2	73.2	73.2	73.2
19	73.2	74.5	51.3	73.2	70.7	70.7	70.7	72	72	73.2	73.2	73.2
20	73.2	74.5	51.3	73.2	70.7	70.7	70.7	72	72	73.2	73.2	73.2
21	74.5	74.5	64.8	73.2	70.7	69.5	70.7	72	72	73.2	73.2	72
22	73.2	74.5	73.2	73.2	72	69.5	70.7	72	72	73.2	73.2	73.2
23	73.2	74.5	73.2	72	70.7	72	70.7	72	73.2	73.2	73.2	73.2
24	73.2	74.5	73.2	70.7	70.7	72	70.7	72	73.2	73.2	73.2	73.2
25	73.2	74.5	73.2	70.7	70.7	70.7	70.7	72	73.2	73.2	73.2	73.2
26	73.2	74.5	73.2	72	70.7	70.7	70.7	72	72	73.2	73.2	73.2
27	73.2	74.5	73.2	70.7	70.7	72	70.7	72	72	73.2	73.2	73.2
28	74.5	73.2	73.2	70.7	70.7	72	70.7	72	72	73.2	73.2	73.2
29	74.5	73.2	73.2	70.7		70.7	70.7	72	72	73.2	73.2	73.2
30	73.2	73.2	74.5	70.7		72	69.5	72	73.2	73.2	73.2	73.2
31	73.2		74.5	70.7		64.8		72		73.2	73.2	
MEAN	74	74	70.8	72.6	70.6	70	70.6	68.6	72.6	75.8	73.2	73.1
	4,550	4,400	4,350	4,460	3,920	4,300	4,200	4,220	4,320	4,660	4,500	4,350

YEAR OR PERIOD MEAN 72.2
ACRE-FEET 52,230

STATION NO. F250-R

DAILY DISCHARGE in second-feet of SAN GABRIEL RIVER - AZUSA COND. 25 FT. WEIR BELOW DAM FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	73.2	64.8	45.9	45.9	45.9	3.1	3.1	2.2	A 1.5	2.0	99.3	99.3
2	73.2	64.8	45.9	45.9	44.9	3.1	3.1	2.2	A 1.5	2.0	99.3	99.3
3	72	64.8	45.9	45.9	44.9	3.1	3.1	2.2	A 1.5	2.0	99.3	99.3
4	67.2	64.8	45.9	45.9	55.6	2.6	2.6	2.2	A 1.5	1.8	99.3	99.3
5	64.8	64.8	45.9	45.9	69.5	2.6	2.0	2.2	A 1.5	2.0	99.3	99.3
6	66	64.8	45.9	45.9	69.5	2.6	2.0	2.2	A 1.5	2.0	99.3	99.3
7	66	64.8	45.9	45.9	69.5	2.6	2.0	2.2	A 1.5	2.0	99.3	99.3
8	64.8	64.8	45.9	45.9	69.5	2.6	2.0	A 2.2	A 1.5	2.0	99.3	99.3
9	64.8	64.8	45.9	45.9	70.7	2.6	2.0	A 2.2	A 1.5	2.0	99.3	99.3
10	64.8	64.8	45.9	45.9	69.5	3.1	2.0	A 2.2	A 1.8	2.0	99.3	99.3
11	64.8	64.8	45.9	45.9	69.5	3.1	2.0	A 2.0	A 1.8	2.0	95.1	99.3
12	64.8	64.8	45.9	45.9	70.7	3.1	2.2	A 2.0	A 1.8	2.0	89.8	99.3
13	64.8	64.8	45.9	44.9	70.7	2.6	2.2	2.0	A 1.8	2.2	89.8	99.3
14	64.8	64.8	45.9	44.9	70.7	3.1	2.2	2.0	A 1.8	2.2	89.8	99.3
15	64.8	64.8	45.9	45.9	73.2	3.1	2.2	2.0	A 1.8	2.2	89.8	99.3
16	64.8	64.8	45.9	44.9	38.2	3.1	2.2	2.0	A 1.8	2.2	89.8	99.3
17	64.8	64.8	45.9	44.9	2.2	2.6	2.2	2.0	A 1.8	2.2	89.8	99.3
18	64.8	64.8	45.9	44.9	2.0	2.2	2.2	2.0	A 1.8	2.2	89.8	99.3
19	64.8	64.8	45.9	44.9	2.0	2.2	2.2	2.0	A 1.8	2.2	92.5	99.3
20	64.8	64.8	45.9	44.9	2.2	2.6	2.2	2.0	1.8	2.2	99.3	99.3
21	64.8	64.8	45.9	44.9	2.0	2.6	2.2	2.0	1.8	2.2	99.3	101
22	64.8	64.8	45.9	57.8	2.2	2.6	2.2	2.0	1.8	2.2	99.3	99.3
23	66	64.8	45.9	69.5	3.1	2.6	2.2	2.0	1.8	2.2	99.3	99.3
24	66	64.8	45.9	68.3	2.2	2.6	2.2	2.0	1.8	2.0	99.3	99.3
25	66	64.8	45.9	68.3	2.0	2.6	2.2	2.0	1.8	2.0	99.3	99.3
26	66	64.8	45.9	68.3	2.2	2.6	2.6	2.0	1.8	2.0	99.3	99.3
27	66	64.8	45.9	68.3	2.6	2.6	2.6	1.8	1.8	2.0	99.3	99.3
28	66	66	45.9	68.3	3.1	2.6	2.6	1.5	2.0	2.0	99.3	99.3
29	56	52.3	45.9	54.5	3.1	2.6	2.2	A 1.5	2.0	61.3	99.3	99.3
30	66	45.9	45.9	48		2.6	2.2	A 1.5	2.0	99.3	99.3	99.3
31	64.8		45.9	50.2		2.6		A 1.5		99.3	99.3	
MEAN	66	63.8	45.9	50.9	35.6	2.7	2.3	2.0	1.7	10.3	96.8	99.4
	4,060	3,800	2,820	3,130	2,050	167	137	123	103	631	5,950	5,910

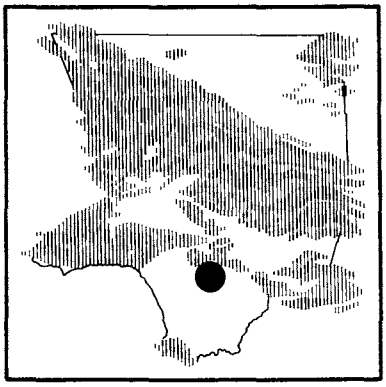
YEAR OR PERIOD MEAN 39.8
ACRE-FEET 28,880

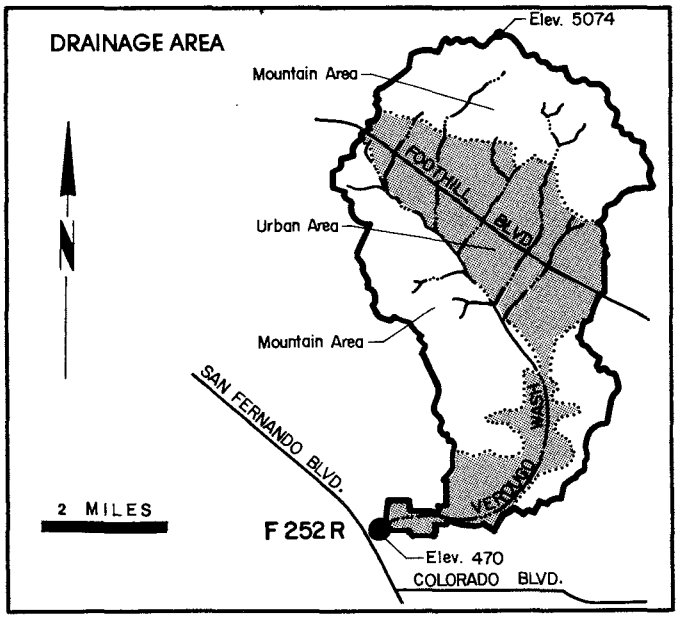
STA. NO. F250-R
SAN GABRIEL - AZUSA CONDUIT AT SANDBOX WEIR

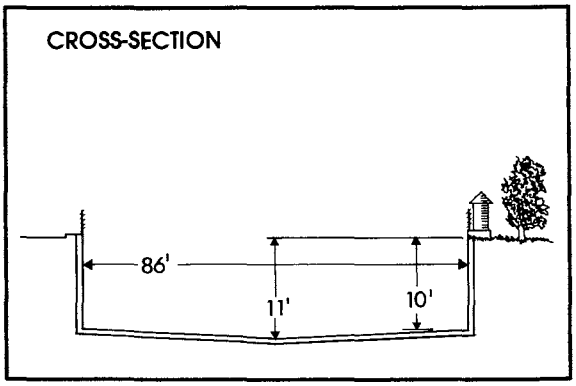
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.
1934-35A	116*	26.1*	81.0*	36610*
1935-36	109	0	42.1	30540
1936-37	94	0	27.3	19740
1937-38	104	0	15.4	11160
1938-39	103	0	5.91	4280
1939-40	94	0	47.4	34440
1940-41	110	0	23.8	17220
1941-42	92	0	23.8	39940
1942-43	106	0	44.6	32250
1943-44	97	0	59.3	43050
1944-45	142	0	81.5	59050
1945-46	139	0	66.3	47930
1946-47	138	0	73.2	52990
1947-48	60	0	36.9	26830
1948-49	70	0	25.0	18120
1949-50	82	20	37.4	27060
1950-51	70	0	11.9	8610
1951-52	96	0	65.3	47400
1952-53	89	0	43.7	31660
1953-54	90	0	38.8	28070
1954-55	84	30	50.6	36610
1955-56	86	14.7	49.0	35580
1956-57	86	0	36.7	26670
1957-58	103	0	29.7	21500
1958-59	90	12.3	49.2	35620
1959-60	50	5.1	24.6	17840
1960-61	45	0	12.2	8830
1961-62	86	0	57.1	41330
1962-63	82	0.05	33.9	24550
1963-64	48	8	31.0	22490
1964-65	81	0.1	35.8	25900
1965-66	83	0	35.7	25840
1966-67	100	0	52.7	38130
1967-68	82	15	60.4	43810
1968-69	32	0	8.82	6380
1969-70	M	M	M	M
1970-71	M	M	M	M
1971-72	M	M	M	M
1972-93	M	M	M	M
1973-74	M	M	M	M
1974-75	M	M	M	M
1975-76	M	M	M	M
1976-77	M	M	M	M
1977-78	78.2	0	1.5	16757
1978-79	105	49.1	72.2	26342
1979-80	101	1.5	39.8	14561

A = RECORD BEGAN AT STATION F250-R ON FEBRUARY 14, 1935.
M = DATA MISSING
* = RECORD INCOMPLETE

VERDUGO WASH
at Estelle Avenue
STATION NO. F252-R







RECORDER- continuous water stage.
METHOD OF MEASUREMENTS- wading or from Concord Street Bridge.
DRAINAGE AREA- 26.8 square miles.
LOCATION- 80.0 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.

STATION NO. F252-R

DAILY DISCHARGE in second-feet of VERDUGO WASH AT ESTELLE AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.5	1.8	1.2	0.7	2.0	106	14	2.8	+	1.2	0.7	1.5
2	0.5	1.8	1.2	0.7	1.5	242	14	2.8	+	1.5	0.7	1.5
3	0.5	1.5	1.2	16.2	1.2	97.2	14	5.0	0.1	1.5	0.7	1.5
4	1.2	1.5	1.2	117	1.0	683	14	7.3	0.5	1.5	0.7	1.5
5	1.5	9.8	1.5	16.7	114	394	12.9	2.3	0.2	1.5	0.7	1.2
6	1.5	1.2	1.5	58.1	38.1	320	11.8	1.0	0.1	1.5	1.0	0.1
7	1.5	0.7	1.5	11.8	131	283	9.5	0.7	0.1	1.2	0.7	0.1
8	1.8	0.7	1.8	2.8	117	237	8.4	0.7	0.1	1.2	0.5	0.1
9	1.8	0.7	1.8	50.8	596	194	7.3	0.7	0.1	1.5	0.7	0.1
10	2.0	0.7	1.8	209	1,700	159	6.2	0.7	0.1	1.5	0.7	0.1
11	2.0	0.7	2.0	2.8	733	123	5.0	0.7	0.1	1.2	0.7	0.5
12	2.0	0.7	2.0	1.5	387	90.8	3.9	0.7	0.1	1.2	0.7	0.5
13	2.0	0.7	2.0	1.5	676	66	2.8	0.5	0.1	1.0	0.7	0.1
14	2.0	0.7	2.3	200	33.2	50	2.8	0.5	0.1	1.0	0.7	0.1
15	2.0	0.7	2.3	171	33.2	35.6	2.8	0.5	0.1	1.0	0.7	0.2
16	2.0	0.7	2.3	261	33.2	30.8	3.3	0.5	0.1	1.2	0.7	0.1
17	2.3	0.7	27.7	6.2	33.2	26	2.8	0.5	0.1	1.0	0.7	0.1
18	2.3	0.7	39.6	9.5	38	21.2	2.8	0.5	0.1	1.0	1.0	0.7
19	2.5	0.7	1.0	32.5	35.6	16.4	2.8	0.2	0.1	1.0	1.0	0.1
20	2.5	0.7	1.0	6.2	35.6	36.2	2.8	0.2	0.1	1.0	1.0	0.1
21	2.5	0.7	1.2	3.9	42	114	2.8	0.2	0.1	1.0	0.5	0.1
22	2.5	0.7	1.0	3.9	42	202	2.8	0.2	0.1	1.0	0.2	0.1
23	2.5	0.7	1.5	3.9	46	176	2.8	0.2	0.1	1.2	1.0	+
24	2.5	0.7	1.0	3.9	50	136	2.8	0.5	0.1	1.2	1.0	0.1
25	1.8	1.0	8.7	2.8	50	110	2.8	0.5	0.1	1.2	0.7	0.1
26	1.5	1.0	111	2.8	54	78	2.8	0.7	0.5	1.0	0.2	+
27	1.2	1.2	76.9	2.8	54	58	2.8	0.5	1.0	1.2	0.5	+
28	1.2	1.2	393	2.8	920	38	2.8	0.5	1.0	1.2	0.7	0.1
29	1.2	1.0	12.1	2.8		26	2.8	0.5	1.2	1.0	1.2	0.1
30	1.5	1.2	2.5	2.8		18.8	2.8	0.5	1.2	0.7	1.5	0.1
31	1.5		1.2	2.3		14		0.1		0.7	1.5	
MEAN	1.8	1.2	22.8	39.1	214	135	5.7	1.1	0.3	1.2	0.8	0.4
	108	73	1,400	2,400	11,900	8,290	341	65.9	15.3	71.6	47.6	21.6

YEAR OR PERIOD MEAN 35.3
ACRE-FEET 24,730

STATION NO. F252-R

DAILY DISCHARGE in second-feet of VERDUGO WASH AT ESTELLE AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.1	0.1	0.1	46	E 34	27	0.5	E 6.7	E 3.0	E 2.8	2.5	2.3
2	0.1	0.2	0	20.7	E 83.7	1.8	0.2	E 6.7	E 2.9	E 2.9	3.9	2.5
3	0.2	0.5	0	2.3	E 17.8	2.0	0.1	E 6.6	E 3.2	E 3.0	8.4	2.3
4	0.2	0.7	0	2.3	E 4.8	2.8	0.1	E 6.6	E 3.2	E 3.0	14	8.4
5	0.2	0.7	0	55.6	E 3.0	2.3	0.1	E 6.4	E 1.9	E 3.1	11.8	8.4
6	0.2	0.7	0	13.6	E 2.1	1.0	1.0	E 6.4	E 1.4	E 3.1	7.3	8.4
7	0.2	0.7	0	2.5	E 3.1	1.3	2.3	E 6.2	E 2.0	E 3.0	7.3	9.5
8	0.2	0.7	+	2.3	E 3.2	1.5	2.3	E 6.2	E 4.0	E 2.8	12.9	9.5
9	0.2	0.7	+	2.0	E 2.7	1.0	2.0	E 6.2	E 5.2	E 2.8	16.4	9.5
10	0.2	0.1	+	0.2	E 3.4	1.2	1.0	E 6.1	E 5.9	E 2.8	12.9	9.5
11	0.2	0.1	+	0.2	E 3.1	1.2	1.2	E 5.9	E 3.7	E 2.7	10.6	9.5
12	0.2	+	+	0.1	E 3.0	1.5	1.3	E 5.9	E 1.4	E 2.7	7.3	9.5
13	0.2	+	+	0.1	1.2	2.0	1.5	E 5.8	E 1.3	E 3.0	7.3	9.5
14	0.2	+	0.1	1.4	2.5	1.2	1.5	E 5.6	E 1.6	E 2.9	7.3	8.4
15	0.2	+	0.1	30.5	1.8	1.2	1.5	E 5.0	E 2.5	E 2.6	8.4	8.4
16	0.2	+	0.1	23.5	1.8	2.2	1.8	E 4.4	E 2.6	E 2.1	9.5	8.4
17	0.2	0.2	1.4	2.0	2.0	21.2	1.8	E 4.1	E 3.3	E 1.8	7.3	8.4
18	0.2	0.2	31.6	1.2	2.0	5.6	2.0	E 4.4	E 2.9	E 1.5	7.3	8.4
19	0.2	0.5	42	0.7	2.0	8.7	2.5	E 5.2	E 2.3	E 2.4	6.2	8.4
20	0.2	0.5	50	E 5.9	6.6	2.0	2.5	E 5.6	E 2.4	E 2.8	6.2	8.4
21	0.2	0.1	54	E 8.5	127	1.0	2.3	E 5.2	E 2.8	E 2.9	7.3	9.5
22	0.2	+	42	E 9.1	7.3	1.2	1.8	E 3.9	E 3.8	E 2.8	7.3	8.4
23	0.2	+	42	E 5.6	10.7	1.0	2.3	E 4.0	E 3.8	E 3.1	4.9	8.4
24	0.2	+	42	E 3.9	2.0	0.5	6.2	E 13.9	E 3.2	E 3.0	2.8	8.4
25	0.2	+	42	E 4.2	2.0	0.5	6.2	E 4.0	E 3.1	E 2.9	2.8	7.3
26	0.2	+	42	E 3.4	1.8	0.5	10.6	E 3.0	E 3.4	E 3.2	6.2	7.3
27	0.2	+	42	E 3.3	0.5	286	14	E 2.8	E 3.3	E 3.1	7.3	7.3
28	0.2	2.0	46	E 5.0	0.7	120	16.4	E 3.0	E 3.0	E 2.9	6.2	7.3
29	0.2	0.5	46	E 3.7		2.3	16.4	E 3.0	E 3.0	E 2.8	5.0	7.3
30	0.2	0.5	48.2	E 2.0		0.7	11.8	E 3.0	E 2.8	E 2.7	2.5	7.3
31	0.2		46	E 2.2		0.5		E 3.1		E 2.7	2.3	
MEAN	0.2	0.3	19.9	8.5	12	16.2	3.8	5.3	3.0	2.8	7.4	7.9
	11.9	19.2	1,220	524	666	997	228	327	176	170	455	468

YEAR OR PERIOD MEAN 7.3
ACRE-FEET 5,260

STATION NO. F252-R

DAILY DISCHARGE in second-feet of VERDUGO WASH AT ESTELLE AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	7.3	6.2	2.5	3.9	1.4	E 14	8.4	8.4	8.4	11.8	E 3.9	9.5
2	8.4	7.3	2.8	3.9	1.2	E 281	8.4	10.6	9.5	12.9	E 3.9	10.6
3	8.4	7.3	2.8	3.9	3.9	E 55.7	9.5	9.5	9.5	12.9	E 2.8	10.6
4	8.4	7.3	2.5	3.9	3.9	E 9.5	10.6	7.3	10.6	12.9	E 2.8	10.6
5	8.4	7.3	3.9	3.9	2.8	E 7.3	11.8	7.3	11.8	12.9	E 2.5	10.6
6	8.4	7.3	5.0	3.9	2.5	E 5.0	12.9	7.3	11.8	12.9	E 2.5	10.6
7	8.4	34.4	3.9	15.2	2.3	E 3.9	11.8	7.3	12.9	11.8	E 2.3	10.6
8	8.4	42.2	5.0	9.3	2.8	E 2.8	9.5	7.3	14	11.8	E 1.8	11.8
9	8.4	12.9	6.2	353	3.9	E 2.8	9.5	9.5	16.4	11.8	E 1.5	11.8
10	8.4	14	7.3	58	3.9	E 2.8	9.5	10.9	18.8	11.8	E 1.2	11.8
11	8.4	12.9	7.3	117	3.9	E 2.3	9.5	2.5	12.9	10.6	E 1.5	11.8
12	8.4	12.9	7.3	36.3	3.9	E 2.0	8.4	2.5	9.5	10.6	1.2	11.8
13	7.3	12.9	8.4	36.4	12.8	E 2.3	8.4	2.8	8.4	12.9	2.3	11.8
14	6.2	10.6	8.4	45.4	15.7	E 1.8	8.4	2.8	9.5	14	3.9	12.9
15	5.0	8.4	9.5	5.0	73.7	E 2.0	10.6	5.0	10.6	12.9	3.9	12.9
16	6.2	8.4	9.5	3.9	E 377	E 2.0	8.4	5.0	10.6	11.8	6.2	14
17	6.2	8.4	10.6	10.9	E 129	E 2.4	7.3	5.0	11.8	12.9	8.4	18.8
18	5.0	7.3	11.8	7.6	E 129	E 58	6.2	7.3	9.5	10.6	7.3	E 18.8
19	21.8	7.3	12.9	2.3	E 116	E 6.2	6.2	9.5	8.4	11.8	7.3	E 18.8
20	131	6.2	12.9	2.3	E 123	E 2.8	7.3	12.9	9.5	10.6	9.5	E 18.8
21	7.3	5.0	23.7	2.8	E 116	E 5.0	6.2	11.8	9.5	10.6	9.5	E 18.8
22	3.9	2.5	10.6	3.9	E 116	E 2.5	16.9	5.0	9.5	10.6	8.4	E 16.4
23	3.9	2.3	10.6	2.3	E 116	E 2.3	5.0	6.2	11.8	7.3	9.5	E 16.4
24	3.9	2.0	72.2	2.3	E 116	E 2.0	6.2	6.2	10.6	3.9	9.5	E 16.4
25	3.9	2.0	15.2	3.9	E 116	E 7.0	11.8	11.8	9.5	5.0	9.5	E 16.4
26	5.0	2.0	2.8	3.9	E 116	E 10.8	11.8	11.8	7.3	5.0	10.6	E 16.4
27	5.0	2.0	2.3	3.9	E 116	E 5.0	11.8	12.9	5.0	E 5.0	9.5	E 14
28	5.0	2.3	2.5	197	E 116	E 3.9	22.3	12.9	3.9	E 6.2	8.4	E 14
29	3.9	2.3	2.8	440	E 57.9	E 3.9	7.3	12.9	3.9	E 5.0	8.4	E 14
30	5.0	2.5	3.9	3.9		E 2.8	7.3	11.8	3.9	E 5.0	9.5	E 12.9
31	6.2		5.0	2.0		E 5.0		11.8		E 5.0	9.5	
MEAN	11	8.9	9.4	44.9	68.9	16.7	9.6	8.3	10	10	5.8	13.8
	677	528	579	2,760	3,960	1,030	574	507	594	616	355	822

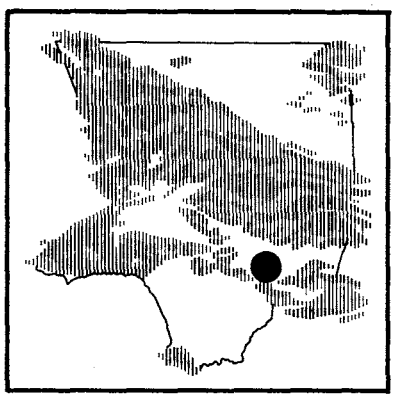
YEAR OR PERIOD MEAN 18.1
ACRE-FEET 13,000

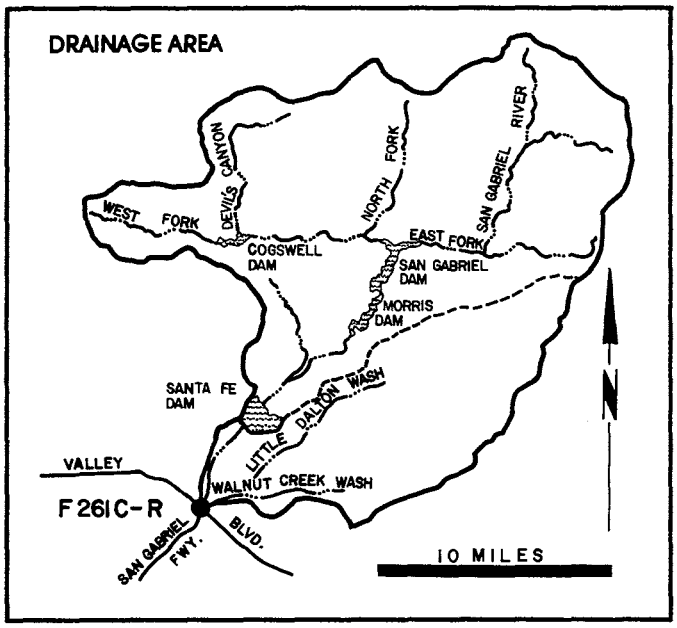
STA. NO. F252-R
VERDUGO WASH AT ESTELLE AVENUE

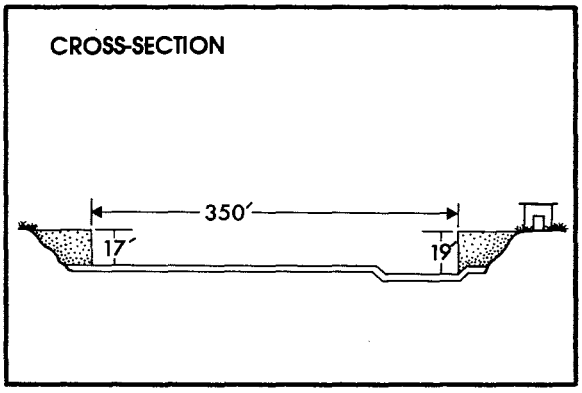
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1928-29	15	0	*	140*	4	4	56*
1929-30	14	0	0.4	274	5	3	80
1930-31	8.4	+	0.2	145	4	26	46
1931-32	39	0.1	1.0	713	2	9	145
1932-33	42	0.1	0.4	295	1	19	391
1933-34	NO RECORD						
1934-35	85*	0	*	620*	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	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
1972-73	897	1	12.8	9280	1	18	4010
1973-74	671	1.8	10.2	7380	1	7	2390
1974-75	373	0.7	7.7	5590	12	4	3390
1975-76	180	0.5	6.4	4560	3	1	1190
1976-77	210	0.3	6.0	4318	1	3	2100
1977-78	1700	+	34.2	24739	2	10	9820
1978-79	*	*	*	*			*
1979-80	440	1.2	18.1	13000	2	16	6420

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

SAN GABRIEL RIVER
below Valley Boulevard
STATION NO. F261C-R







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.

STATION NO. F261C-R

DAILY DISCHARGE in second-feet of SAN GABRIEL RIVER BELOW VALLEY BLVD. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	3.6	44	9,160	2,220	150	21.6	191	212	215
2	0	0	0	3.2	35.7	9,630	1,780	141	22.5	191	188	215
3	0	0	0	42.5	19.8	8,620	574	136	18.9	191	131	215
4	0	0	0	710	24.3	12,600	297	126	15.2	191	99	215
5	0	61.6	0	148	138	16,500	257	128	14.8	110	101	351
6	0	0.8	0	160	70.1	9,490	357	117	38	163	101	112
7	0	+	+	35.6	332	5,740	830	117	45.8	170	99	205
8	0	0.1	0	35.6	270	4,200	1,030	117	87.6	191	99	201
9	0	0	0	401	1,670	3,460	1,010	112	198	194	97	201
10	0	0	0	567	919	2,010	641	94	191	170	97	201
11	0	0	0	57.5	1,570	1,220	205	68.9	230	201	95	201
12	0	0	0	91	4,910	1,170	201	45.2	207	212	95	205
13	0	0	0	89	4,010	1,240	191	17.1	80.8	215	95	212
14	0	0	0	525	3,720	1,310	181	0.6	85.8	215	135	63
15	0	0	0	596	2,630	1,270	730	0.1	74.5	198	191	205
16	0	0	0	1,210	1,080	1,020	1,390	20.3	215	201	212	205
17	0	0	166	139	285	638	764	68.3	212	201	205	191
18	0	0	230	81	384	701	192	40.3	208	198	208	184
19	0	0	0	133	311	675	179	54.2	205	205	208	168
20	0	0	0	10	311	603	353	121	201	205	208	157
21	0	0	0.2	4.5	320	604	416	119	194	205	208	157
22	0	0	+	2.9	317	806	816	96.1	194	205	212	152
23	0	0	23	2.2	215	315	783	43.3	194	208	215	157
24	0	0	+	2.4	177	265	584	24.3	194	223	215	157
25	0	0	29.7	7.9	171	226	307	2.0	198	238	215	151
26	0	0	557	8.4	168	194	315	0.1	198	107	215	157
27	0	0	136	7.4	211	181	275	4.3	198	234	215	157
28	0	0	826	7.4	2,510	149	205	16.6	191	234	215	163
29	0	0	6.7	7.4		131	249	19.8	191	238	215	191
30	0	0	17.8	8.4		635	230	18.9	194	238	215	205
31	0		2.4	58		2,070		21.6		226	215	
MEAN	0	2.1	64.3	166	958	3,120	585	65.8	144	199	169	186
	0	124	3,960	10,220	53,200	192,100	34,830	4,050	8,560	12,240	10,380	11,050

YEAR OR PERIOD

MEAN 472

ACRE-FEET 340,700

STATION NO. F261C-R

DAILY DISCHARGE in second-feet of SAN GABRIEL RIVER BELOW VALLEY BLVD. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	205	208	151	70	116	292	59.9	15.3	35.6	97	208	212
2	63.4	205	171	71.5	224	60.5	70	30	33.5	101	208	208
3	201	205	198	73	67	27	68.5	31.3	33.5	128	212	205
4	205	208	194	48.7	51.6	18	67	22.5	28.1	215	212	201
5	201	208	198	317	42.5	7.9	62.6	16.6	27	150	212	205
6	205	208	194	212	17.3	5.2	65.5	19.8	24.3	99	212	201
7	205	208	198	+	10.7	5.5	65.5	18.9	26.1	99	215	201
8	205	139	198	0	0.7	5.8	67	13.8	3.9	99	215	198
9	201	208	198	5.5	10.8	5.5	70	6.1	1.3	99	215	198
10	205	188	198	0	15.9	0.4	68.5	1.5	1.0	101	215	201
11	205	129	198	0	16.6	0.1	59.9	1.7	0.7	103	219	201
12	205	37.5	198	0	15.9	0.1	15.2	0.7	0.7	127	219	201
13	205	78.8	194	0	20.7	71.4	1.0	0.5	0.7	212	219	198
14	205	95.5	198	68.1	93.5	3.2	0.5	0.5	0.7	208	215	198
15	208	198	201	443	18.9	0.5	0.4	0.7	0.7	208	215	198
16	208	198	205	70	11.7	0.7	0.3	0.5	0.7	208	212	198
17	208	205	577	35	0.7	105	1.2	4.1	0.7	208	215	198
18	208	226	362	43.6	0.7	270	1.3	34.6	0.7	208	212	163
19	152	226	89.7	0.1	0.7	189	0.3	47	0.6	208	212	141
20	69.5	226	+	0	68.6	17.9	7.5	45.2	0.5	208	212	141
21	212	263	0	0	682	1.5	10	47.7	0.3	205	35.1	141
22	208	11	0	0	18.4	0.2	10	44	0.3	205	+	171
23	208	0.5	0	0	112	0.2	8.7	35.6	0.4	205	+	205
24	205	109	0	1.5	28.1	0.1	0.3	33.5	69.5	205	35.2	201
25	201	167	0	0.3	25.2	0.1	0.4	34.6	154	205	85	201
26	198	152	0	0.2	23.4	0.1	4.2	35.6	175	208	87	198
27	201	149	0	1.9	20.7	1,190	5.5	36.7	201	208	152	194
28	205	141	0	13.8	24.1	266	6.3	44	142	205	208	198
29	205	143	13.7	37.4		177	7.4	41.5	93	208	212	198
30	212	146	67	480		85	7.9	40.3	97	208	212	194
31	208		68.5	726		61.2		39		208	212	
MEAN	195	163	138	87.7	62.1	92.5	27.1	24	38.4	173	178	192
	11,970	9,690	8,470	5,390	3,450	5,690	1,610	1,480	2,290	10,620	10,930	11,440

YEAR OR PERIOD MEAN 114
ACRE-FEET 83,030

STATION NO. F261C-R

DAILY DISCHARGE in second-feet of SAN GABRIEL RIVER BELOW VALLEY BLVD. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	194	0.2	65.5	119	A 315	106	27	37.3	0	0	2.6	5.8
2	194	0.2	65.5	119	A 306	817	43.4	23.4	0	0	2.9	5.8
3	194	0.2	65.5	121	A 299	1,690	46.1	28.1	0	+	2.1	5.5
4	194	0.2	67	121	A 294	2,410	26.1	22.5	0	0	2.4	7.0
5	194	0.2	65.5	119	A 272	2,460	46.2	10	0	0	3.9	73.7
6	194	0.2	67	117	A 250	2,640	93	4.6	0	0	4.8	78
7	194	17.5	67	122	A 223	2,350	97.4	+	0	0	3.9	51.6
8	194	2.3	65.5	15.6	A 162	2,390	54.5	0	0	0	2.9	54.3
9	191	18.7	67	687	A 65.9	2,130	35.6	31.9	0	1.8	1.5	55.7
10	191	64	65.5	256	A 39.3	1,600	24.8	152	0	1.5	2.1	55.7
11	191	65.5	64	470	A 41.3	955	0.1	120	0	2.2	2.4	94
12	191	65.5	64	70.2	A 37.4	456	0	106	0	1.5	2.2	101
13	191	64	64	185	A 832	121	0	69.4	0	1.0	2.9	103
14	191	65.5	64	52.9	A 1,481	226	0	6.6	0	1.2	4.8	101
15	194	67	64	5.8	A 2,414	274	0	29.2	0	0.7	5.8	103
16	194	64	64	6.8	A 6,900	270	0	24.3	0	0.6	6.8	106
17	194	73.5	62.6	76.5	A11,870	226	0	36	0	0.6	7.4	110
18	194	68.5	62.6	56.8	A11,150	350	0	74.5	0	2.1	6.3	106
19	171	65.5	64	A 155	A10,026	132	0	81	0	2.1	7.4	53.5
20	413	62.6	64	A 91.4	4,850	106	0.1	83	0	1.5	9.4	10
21	1.0	62.6	93.2	A 60.9	4,610	87.2	3.9	81	0	1.2	6.3	9.4
22	0.2	64	67	A 47.1	4,290	77.5	38.2	55.7	0	1.2	5.2	10.5
23	0.2	64	64	A 20	3,600	73	28.8	0.8	0	0.7	4.2	9.4
24	0.2	64	81.4	A 8.7	3,970	42.6	31.3	+	0	0.7	3.6	8.4
25	0.2	65.5	18.7	A 4.3	2,250	104	25.2	0	0	1.0	2.4	7.4
26	0.2	65.5	38.6	A 4.8	1,570	136	20.7	0	0	1.5	4.2	8.4
27	0.2	65.5	121	A 5.3	3,110	24.3	18	0	0	3.5	6.3	8.4
28	0.2	65.5	119	A 1,251	397	25.2	28.3	0	0	5.3	6.3	8.4
29	0.2	64	119	A 1,655	352	24.3	32.4	0	0	4.8	6.8	8.4
30	0.2	64	121	A 408		28.5	48.9	0	0	3.6	5.2	6.3
31	0.2		119	A 344		26.1		0		3.6	5.2	
MEAN	131	47	72.9	219	2,620	721	25.7	34.8	0	1.4	4.5	45.5
	8,050	2,800	4,480	13,440	150,700	44,350	1,530	2,140	0	87.1	278	2,710

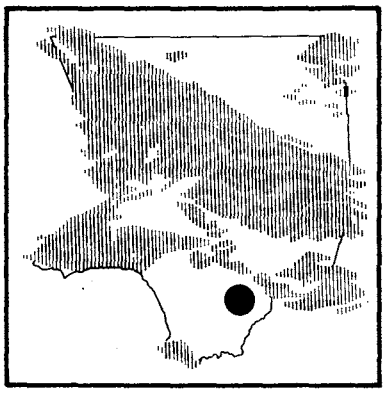
YEAR OR PERIOD MEAN 327
ACRE-FEET 230,600

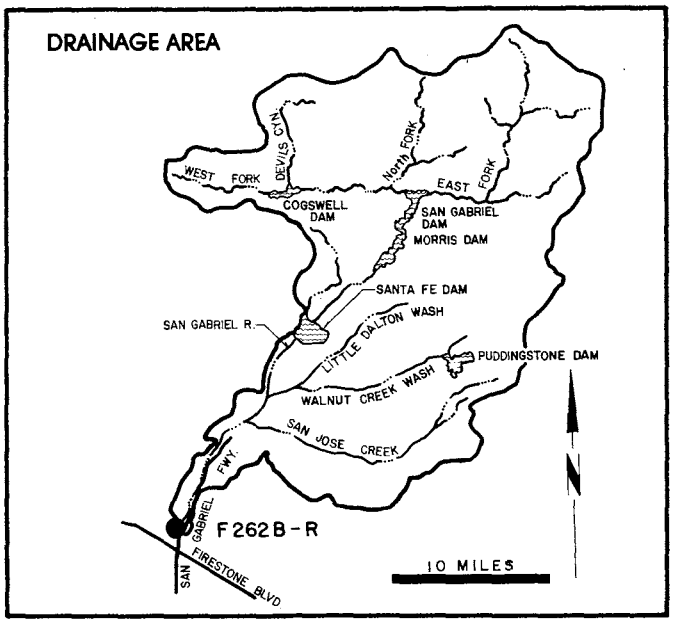
STA. NO. F261C-R
SAN GABRIEL RIVER BELOW VALLEY BOULEVARD

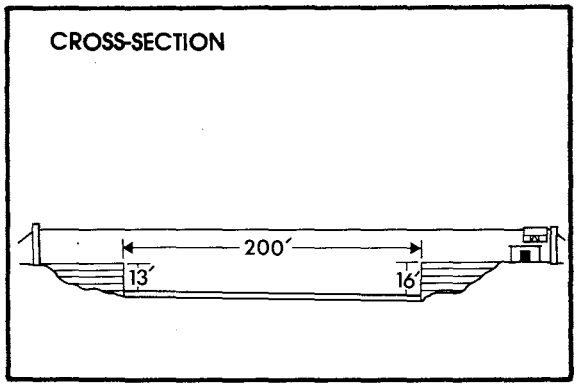
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1938-39	125	0.4	8.0	5790			N.D.
1939-40	125E	0.2	1.8	1320			N.D.
1940-41	1300	0.2	73.9	53500			N.D.
1941-42B	4	0	2.2	1560			N.D.
1942-43	8000	0	221.0	160300	1	23	9350
1943-44	2720	0.6	83.0	60290	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			0
1948-49	0	0	0.0	0			0
1949-50	0	0	0.0	0			0
1950-51	0	0	0.0	0			0
1951-60	NO RECORD						
1960-61C	306	0	*	34500*	1	26	1200
1961-62	1000	0	193.0	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	123.0	89150	4	9	5890
1965-66	5960	0	164.0	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	591.0	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
1972-73	1210	0	130.0	93880	1	16	5810
1973-74	1520	0	127.0	92070	1	7	3340
1974-75	812	0	62.2	45000	12	4	8610
1975-76	516	0	70.4	50920	9	10	2690
1976-77	717	0	29.7	21523	1	3	5458
1977-78	16500	0	471.0	340714	3	5	25700
1978-79	1190	0	114.7	83030	3	27	7800
1979-80	11870	0	326.9	245503			N.D.

B = RECORD BEGAN AT B LOCATION 10-01-41
C = RECORD BEGAN AT C LOCATION 11-29-60
E = ESTIMATE
N.D. = NOT DETERMINED
* = RECORD INCOMPLETE

SAN GABRIEL RIVER
above Florence Avenue
STATION NO. F262B-R







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 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.

STATION NO. F262B-R

DAILY DISCHARGE in second-feet of SAN GABRIEL RIVER ABOVE FLORENCE AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	+	0	0	5,440	1,830	49.9	0	0	0	0
2	0	0	0	0	0	4,970	1,630	4.3	0	0	0	0
3	0	0	0	0	0	4,480	463	0.1	0	0	0	0
4	0	0	0	14	0	5,280	150	0.1	0	0	0	0
5	0	0	0	5.8	0	4,640	146	4.2	0	0	0	235
6	0	0	0	11	0	3,260	74.2	9.9	0	0	0	168
7	0	0	+	7.2	0	3,310	608	7.8	0	0	0	0.4
8	0	0	0	+	0.3	3,720	615	5.0	0	0	0	0.3
9	0	0	0	11.1	371	3,520	619	2.0	0	0	0	0.2
10	0	0	0	72.6	358	2,630	690	0.8	0	0	0	0.1
11	0	0	0	52.3	742	777	40.5	0.1	0	0	0	0.1
12	0	0	0	+	4,170	777	28.8	0.1	0	0	0	0.1
13	0	0	0	0	4,090	870	20.1	0.1	0	0	0	0.1
14	0	0	0	1.2	3,260	882	19.2	0	0	0	0	0.1
15	0	0	0	83.8	2,580	882	24.9	0	0	0	0	0.1
16	0	0	0	201	932	840	30.1	0	0	0	0	0.1
17	0	0	+	162	463	347	32.7	0	0	0	0	0.1
18	0	0	+	+	179	383	39.2	0	0	0	0	0.1
19	0	0	0	0	122	383	24.1	0	0	0	0	1.7
20	0	0	0	0	105	347	80.4	0	0	0	0	1.1
21	0	0	0	0	108	350	136	0	0	0	0	1.1
22	0	0	0	0	80.2	1,130	463	0	0	0	0	1.1
23	0	0	0	0	35.2	151	454	0	0	0	0	0.9
24	0	0	0	0	1.3	48.4	363	0	0	0	0	0.8
25	0	0	0	0	0.2	6.5	136	0	0	0	0	0.8
26	0	0	30.1	0	0.1	6.9	136	0	0	0	0	0.7
27	0	0	6.4	0	11.2	0.6	134	0	0	0	0	0.7
28	0	0	72.6	0	2,160	0.7	21.4	0	0	0	0	0.5
29	0	0	0.2	0		0.7	60.8	0	0	0	0	0.5
30	0	0	0	0		204	62.3	0.1	0	0	0	0.1
31	0		0	0		1,980		0.1		0	0	
MEAN	0	0	3.5	20.1	706	1,670	304	2.7	0	0	0	13.8
	0	0	217	1,230	39,210	102,400	18,110	168	0	0	0	823

YEAR OR PERIOD MEAN 227

ACRE-FEET 162,200

RECORDS INCOMPLETE 1979

STATION NO. F2628-R

DAILY DISCHARGE in second-feet of SAN GABRIEL RIVER ABOVE FLORENCE AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	24.3	98.8	0	16	0	0	0	0
2	0	0	0	0	6.2	324	0	0	0	0	0	0
3	0	0	0	0	6.3	960	0	0	0	0	0	0
4	0	0	0	0	0.6	2,140	0	0	0	0	0	0
5	0	0	0	0	0.2	2,690	0	0	0	0	0	0
6	0	0	0	0	0.2	2,950	0	0	0	0	0	0
7	0	0	0	0	0.1	2,570	16.3	0	0	0	0	0
8	0	0	0	0.2	0.1	2,590	0.6	0	0	0	0	0
9	0	0	0	41.5	0.1	2,320	0	0	0	0	0	0
10	0	0	0	15.3	0.1	1,800	22.4	0	0	0	0	0
11	0	0	0	160	0.1	744	0.2	0	0	0	0	0
12	0	0	0	57.2	0.1	445	0	0	0	0	0	0
13	0	0	0	15.8	68.9	80.2	0	0	0	0	0	0
14	0	0	0	49.1	1,820	128	0	0	0	0	0	0
15	0	0	0	22	507	183	0	0	0	0	0	0
16	0	0	0	0.2	2,080	183	0	0	0	0	0	0
17	0	0	0	0.2	8,650	146	0	0	0	0	0	0
18	0	0	0	9.2	9,290	154	0	0.2	0	0	0	0
19	0	0	0	0.2	6,750	155	0	0.1	0	0	0	0
20	362	0.4	0	0.2	8,330	47	0	0.3	0	0	0	0
21	0.2	2.3	0	0.2	7,640	30.5	0	0	0	0	0	0
22	0	1.8	0	0.2	6,220	1.1	0	0	0	0	0	0
23	0	0.1	0	0.2	3,310	0.1	0	0	0	0	0	0
24	0	0	0	0.2	654	0.1	0	0.6	0	0	0	0
25	0	0	0	0.2	410	0.1	0	+	0	0	0	0
26	0	0	0	0.2	112	106	0	0	0	0	0	0
27	0	0	0	0.2	0.5	0.2	0	0	0	0	0	0
28	0	0	0	29.5	0.4	0.1	0	0	0	0	0	0
29	0	0	0	993	158	0	0.1	0	0	0	0	0
30	0	0	0	151		0	0	0	0	0	0	0
31	0		0	74.6		0		0		0	0	
MEAN	11.7	0.2	0	52.3	1,930	672	1.3	0.6	0	0	0	0
	718	9.1	0	3,210	111,100	41,350	78.5	34.1	0	0	0	0

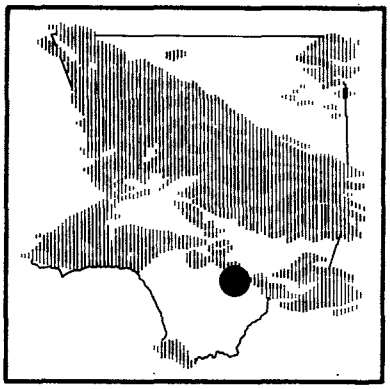
YEAR OR PERIOD MEAN 222
ACRE-FEET 156,500

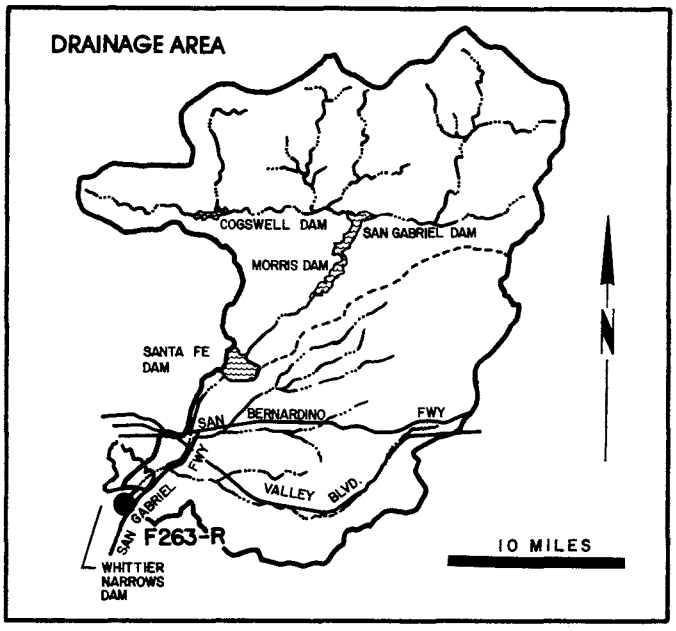
STA. NO. F262B-R
SAN GABRIEL RIVER ABOVE FLORENCE AVENUE

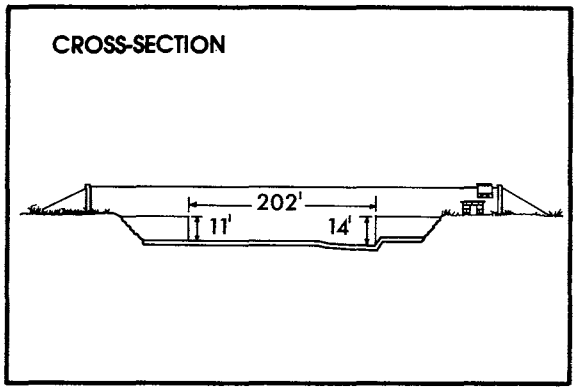
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1934-35	718	0	6.5	4700	10	17	5850
1935-36	414	0	2.4	1750	2	12	3400
1936-37	NO RECORD						
1937-38	NO RECORD						
1938-39	325	0		2540*	9	25	1380
1939-40	271	0	2.6	1900	1	8	1150
1940-41	2390	0	105.0	75780	3	4	5630
1941-42	117	0	18.7	13570	12	10	413
1942-43	9190	0	257.0	186400	1	23	14000
1943-44	4860	0	110.0	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	0			0
1948-49	0	0	0.0	0			0
1949-50	0	0	0.0	0			0
1950-51	0	0	0.0	0			0
1951-52	3070	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	273.0	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
1972-73	2540	0	28.6	20700	2	11	5680
1973-74	3650	0	26.8	19420	1	7	5870
1974-75	1390	0	8.4	6110	12	4	6010
1975-76	690	0	5.9	4160	9	10	2800
1976-77	486	0	4.4	3171	1	3	3320
1977-78	5440	0	224.0	162158	2	12	8220
1978-79	*	*	*	*			*
1979-80	9290	0	222.3	156500	2	17	10900

B = RECORD BEGAN AT B LOCATION 08-06-68
E = ESTIMATE
* = RECORD INCOMPLETE

SAN GABRIEL RIVER
below San Gabriel River Parkway
STATION NO. F263C-R







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.

STATION NO. F263C-R

DAILY DISCHARGE in second-feet of SAN GABRIEL RIVER BELOW SAN GABRIEL RIVER PARKWAY FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	6.4	7.0	E 10	E 0	25.3	5,890	2,280	156	30.1	74.4	47.2	78
2	6.0	6.7	E 10	E 0	25.3	6,160	2,030	140	27.2	72.6	34.4	76.2
3	6.4	6.7	E 10	E 0	13.9	5,990	737	140	26.3	116	E 5.0	78
4	8.1	7.0	E 10	E 50	14.5	6,630	337	133	25.3	136	E 5.0	80
5	7.4	7.8	E 10	E 208	158	6,290	235	136	26.3	129	E 4.5	480
6	6.7	13	E 10	E 168	109	5,240	226	127	36.8	100	E 4.5	242
7	6.7	7.0	E 2.0	E 140	87.8	4,350	773	120	47.2	96	E 4.0	90
8	6.7	A 7.0	E 0	E 20	142	4,490	995	120	63.6	98	E 4.0	96
9	6.7	A 8.0	E 0	115	276	4,210	1,030	120	168	104	E 3.5	94
10	6.7	A 8.0	E 0	284	248	2,730	748	112	156	63.6	E 5.0	92
11	6.7	A 8.1	E 0	119	1,120	1,770	186	84	179	78	25.3	94
12	6.7	A 8.2	E 0	11	E 4,020	1,660	176	56.8	184	72.6	25.3	90
13	6.7	A 8.3	E 0	0	E 4,760	1,500	167	26.3	102	74.4	25.3	90
14	6.7	A 8.4	E 0	85	E 4,550	1,450	160	11.2	80	72.6	26.3	48.8
15	6.7	A 8.5	E 0	228	E 3,690	1,430	719	7.4	67.2	61.8	36.8	63.6
16	6.7	A 8.6	E 0	352	E 1,840	1,230	1,610	7.0	163	60	67.2	70.8
17	6.7	A 8.7	E 0	238	E 216	676	879	28.2	188	56.8	69	136
18	5.0	A 8.8	E 60	89	E 315	658	174	39.2	174	61.8	67.2	188
19	B 3.0	A 8.9	E 150	78	E 245	667	119	33.2	133	58.4	69	221
20	B 5.0	A 9.0	E 0	48	E 228	649	281	88	106	67.2	67.2	191
21	B 6.0	A 9.1	E 0	+	E 238	674	259	98	112	69	67.2	186
22	6.4	A 9.2	E 0	0	252	1,390	800	98	98	67.2	61.8	165
23	6.7	A 9.3	E 0	0	174	312	780	52	92	65.4	72.6	177
24	6.7	A 9.4	E 0	0	151	252	618	38	80	65.4	80	191
25	6.7	A 9.5	E 0	0	149	214	249	17.2	80	74.4	78	188
26	7.0	A 9.7	E 35	+	147	186	238	15.7	80	50.4	76.2	181
27	7.0	A 9.8	E 235	E 4.0	156	172	237	15	96	36.8	80	170
28	7.0	A 9.9	E 132	2.8	1,530	145	160	15.7	84	58.4	90	110
29	7.0	A 10	E 210	2.8		133	194	26.3	80	55.2	88	70.8
30	6.7	A 10	E 74	4.4		493	186	18.7	84	55.2	82	70.8
31	7.0		E 10	46		2,220		24.4		60	84	
MEAN	6.5	8.7	31.2	74	889	2,250	586	67.9	95.6	74.5	47	137
	400	516	1,920	4,550	49,350	138,600	34,870	4,170	5,690	4,580	3,050	8,150

YEAR OR PERIOD MEAN 356

ACRE-FEET 255,800

STATION NO. F263C-R

DAILY DISCHARGE in second-feet of SAN GABRIEL RIVER BELOW SAN GABRIEL RIVER PARKWAY FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	70.8	170	25.3	11.7	158	77.4	78	28.2	18.7	88	24.4	12.2
2	46.3	144	33.2	11.2	137	67.2	78	35	18.7	92	23.4	12.2
3	24.4	82	47.2	91.8	124	20.2	78	21	20.2	45.3	25.3	12.8
4	145	78	45.6	27.2	94	15.7	58.4	21.7	21	21.7	22.5	12.8
5	67.2	78	47.2	184	74.4	15	56.8	21.7	21	22.5	22.5	27.5
6	40.4	78	48.8	206	48.8	15.7	32.6	21.7	21	26.3	23.4	34.4
7	45.6	78	50.4	21.7	24.4	15.7	10.6	21.7	21.7	30.1	23.4	34.4
8	50.4	102	50.4	15.7	21	15.7	11.1	21.7	21.7	34.4	26.3	32
9	52	61.8	50.4	11.2	21	15.7	12.8	21	21.7	41.6	31	30.1
10	52	134	52	11.2	21	15.7	13.3	21	21	63.6	40.4	30.1
11	52	142	52	11.2	20.2	15.7	14.4	21	18.7	80	40.4	27.2
12	52	70	52	10.6	20.2	15.7	23.4	21	18.7	69.5	71.8	31
13	52	62.4	52	10	20.2	30.4	24.4	21	18.7	89.4	41.6	30.1
14	52	44	52	37.5	83.5	58.8	24.4	20.2	18.7	76.2	35.6	34.4
15	130	90.6	52	559	21	15.7	24.4	20.2	17.2	76.2	32	35.6
16	211	69	52	283	20.2	15.7	24.4	20.2	15	74.4	30.1	38
17	214	61.8	450	91.7	20.2	56	24.4	20.2	13.9	58.4	32	38
18	186	72.6	352	83.4	20.2	58.2	24.4	20.2	13.3	58.4	31	26.3
19	153	78	230	45.1	20.2	94	32	22.5	12.8	48.8	31	13.3
20	44.5	84	27.2	33.2	22.5	60	38	31	11.7	48.8	31	11.7
21	56.8	233	24.4	30.1	191	32	38	31	13.3	47.2	15.7	11.7
22	58.4	113	21.7	29.1	116	23.4	38	31	11.3	55.2	11.7	11.7
23	58.4	38.5	21	28.2	114	21.7	69.8	27.2	2.3	55.2	11.7	33.8
24	132	22.5	20.2	28.2	76.2	15	80	20.2	2.5	41.6	11.7	41.6
25	172	90.8	19.5	28.2	47.2	15	63.6	18	8.2	32	11.7	40.4
26	174	60	17.2	27.2	42.8	15	58.4	18	13.9	30.1	11.7	39.2
27	114	39.2	14.4	27.2	40.4	138	58.4	18	51.7	27.2	11.7	41.6
28	63.6	34.4	12.2	47.2	40.4	88	55.2	18	127	24.4	11.7	39.2
29	60	33.2	12.2	41.6		86	52	18.7	99.6	24.4	11.7	41.6
30	73.5	32	11.7	109		86	47.2	18	87.9	24.4	11.7	42.8
31	102		11.7	338		82		18.7		24.4	11.7	
MEAN	90.6	82.6	64.8	80.4	59.3	41.8	41.5	22.2	26.1	49.4	24.9	28.9
	5,570	4,900	3,980	4,940	3,300	2,570	2,470	1,370	1,550	3,040	1,530	1,720

YEAR OR PERIOD MEAN 51
ACRE-FEET 36,940

STATION NO. F263C-R

DAILY DISCHARGE in second-feet of SAN GABRIEL RIVER BELOW SAN GABRIEL RIVER PARKWAY FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	48.8	35.2	96	30.1	112	129	26.3	102	47.2	27.2	53.6	48.8
2	52	35.6	94	30.1	102	294	27.2	80	48.8	21.7	52	47.2
3	50.4	35.6	76.2	30.1	96	1,111	41.6	84	47.2	19.5	55.2	42.8
4	48.8	39.2	58.4	30.1	82	2,040	70.8	78	52	24.4	55.2	36.8
5	48.8	38	58.4	30.1	74.4	3,060	80	63.6	58.4	24.4	56.8	26.3
6	42.8	38	48.8	30.1	56.8	3,380	112	47.2	56.8	20.2	56.8	31
7	41.6	36.8	33.2	30.1	44	3,110	106	31	56.8	21	58.4	25.3
8	42.8	40.4	32	60	16.5	3,130	65.4	23.4	55.2	31	55.2	27.2
9	41.6	27.2	30.1	112	23.4	2,850	55.2	23.4	56.8	47.2	53.6	31
10	44	45.6	28.2	186	26.3	2,210	60	176	36.8	45.6	50.4	31
11	45.6	60	26.3	205	24.4	1,150	50.4	129	23.4	45.6	36.8	36.8
12	44	60	29.1	142	18	614	47.2	86.2	16.5	44	18.7	38
13	52	61.8	32	89.3	191	183	45.6	39.2	22.5	47.2	13.9	35.6
14	53.6	61.8	21.7	129	1,830	228	44	24.4	26.3	48.8	14.4	35.6
15	56.8	52	17.2	70.7	631	262	45.6	21	27.2	47.2	15.7	38
16	50.4	42.8	18	12.8	2,320	252	50.4	66.1	26.3	38	21.7	38
17	41.6	55.2	18	22.8	8,900	211	60	102	25.3	25.3	31	36.8
18	35.6	76.2	18	96	9,140	239	60	120	25.3	21	42.8	39.2
19	35.6	70.8	20.2	36.8	7,940	198	61.8	98	17.2	22.5	55.2	34.4
20	566	58.4	24.4	18	8,770	129	63.6	100	24.4	34.4	55.2	42.8
21	47.6	38	52.5	16.5	6,440	108	65.4	102	24.4	31	52	56.8
22	38	38	17.5	15	6,120	61.8	84.2	88	26.3	25.3	53.6	65.4
23	35.6	38	25.3	15	4,661	25.3	108	50.4	26.3	20.2	52	92
24	34.4	36.8	41.7	16.5	676	36.8	96	47.2	24.4	18	52	100
25	33.2	36.8	68.8	16.5	134	41.3	61.8	45.6	22.5	15.7	34.4	86.7
26	34.4	44	19.5	17.2	326	162	40.4	45.6	21.7	15.7	17.2	20.2
27	34.4	55.2	33.2	18	256	25.3	40.4	50.4	24.4	17.2	19.5	9.1
28	33.2	69	41.6	210	161	24.4	64.2	48.8	23.4	41.6	22.5	6.0
29	34.4	63.6	42.8	1,360	346	24.4	96	45.6	28.2	63.6	40.4	6.0
30	35.6	65.4	45.6	296		25.3	100	44	26.3	56.8	55.2	6.0
31	35.6		58.4	156		26.3		44		55.2	52	
MEAN	59.3	48.5	39.6	114	2,050	817	64.3	67.9	33.3	32.8	42	39
	3,650	2,890	2,430	7,000	118,100	50,260	3,830	4,180	1,980	2,020	2,590	2,320

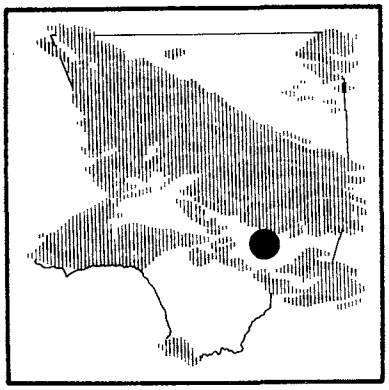
YEAR OR PERIOD MEAN 284
ACRE-FEET 201,300

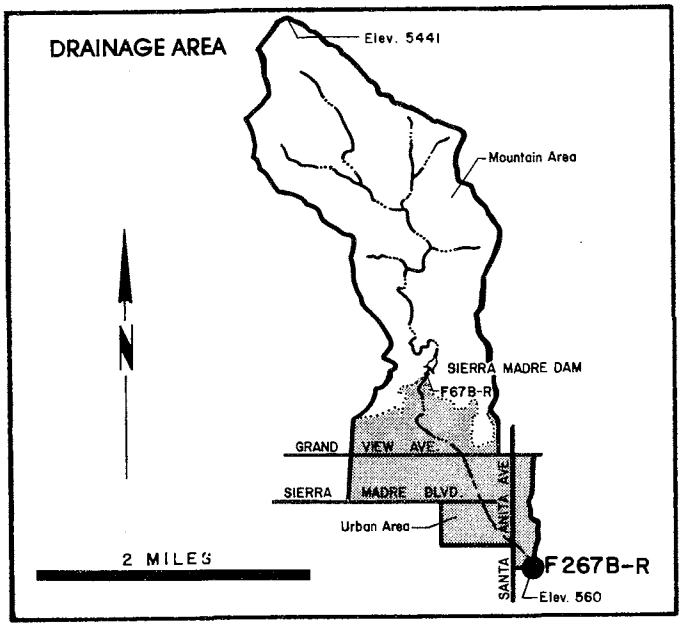
STA. NO. F263C-R
SAN GABRIEL RIVER BELOW SAN GABRIEL RIVER PARKWAY

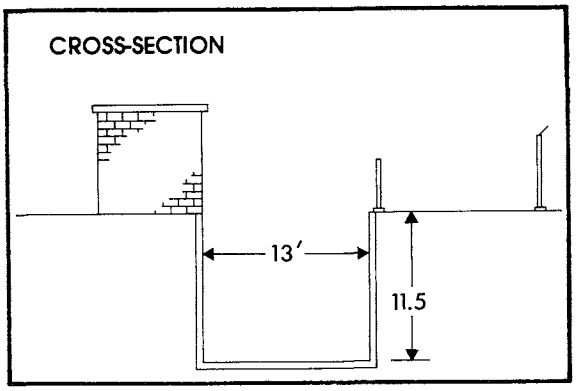
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1928-29	93	0	3.9	2850	3	10	397
1929-30	152	0	4.8	3490	1	11	726
1930-31	106	0	3.4	2490	2	4	404
1931-32	1620	0	18.0	13060	2	9	3830
1932-33	286	0	4.2	3040	1	29	1450
1933-34	5580	0	23.4	16950	1	1	22000
1934-35	746	0	16.8	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	131.0	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	139.0	100900	3	4	5830
1941-42	149	0	39.5	28630	12	10	412
1942-43	10500	0	289.0	209600	1	23	14810
1943-44	5350	0	144.0	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	114.0	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	142.0	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	107.0	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	222	3.2	36.2	26240	11	19	330
1968-69	10210	15	379.0	274300	1	26	11740
1969-70	1880	13	109.0	79110	3	4	5530
1970-71	2170	2.6	75.4	54590	12	21	4610
1971-72	1900	0	45.1	32740	12	24	6970
1972-73	2540	0	92.6	67020	2	11	5620
1973-74	3640	4	83.6	60500	1	4	6170
1974-75	2050	1	52.7	38190	12	4	7520
1975-76	1500	0	44.4	32000			N.D.
1976-77	739	0	23.0	16670	1	3	4080
1977-78	6630	0	353.4	256222	3	1	7650
1978-79	338	2.3	51.0	36943	1	15	2052
1979-80	9140	6	283.9	201315	2	19	10600

B = RECORD BEGAN AT B LOCATION 03-06-52
C = RECORD BEGAN AT C LOCATION 08-09-68
E = ESTIMATE
N.D. = NOT DETERMINED
* = RECORD INCOMPLETE

SIERRA MADRE WASH
at Highland Oaks Avenue
STATION NO. F267B-R







RECORDER- 15 minute punched tape.

METHOD OF MEASUREMENTS- low flows measured by wading. High flows measured from upstream end of conduit 50 feet below station.

DRAINAGE AREA- 3.8 square miles.

LOCATION- on the south bank of the channel 50 feet above Highland Oaks Avenue, one and one-half miles southeast of Sierra Madre.

REGULATION- partially regulated by Sierra Madre Dam. Usual regulation affects high flows only.

DIVERSIONS- underground and surface flows developed and diverted by Sierra Madre Water Department. Flow also diverted about one mile above station for spreading in Sierra Madre Spreading Grounds.

CHANNEL-rectangular concrete 13 feet wide and 11.5 feet deep.

LENGTH OF RECORD- see station summary.

STATION NO. F267B-R

DAILY DISCHARGE in second-feet of SIERRA MADRE WASH AT HIGHLAND OAKS AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.7	0.1	0.6	0.4	0.8	7.7	1.0	6.0	0.1	0.1	0.1	0.2
2	1.3	0.5	0.6	0.4	1.3	20.6	1.7	6.0	0.4	0.1	0.1	0.2
3	1.3	0.2	0.6	0.6	1.3	14.3	0.6	6.0	0.1	0.1	+	0.1
4	1.3	0.2	0.4	0.8	0.8	6.0	1.3	6.0	0.1	0.1	0.1	+
5	1.3	0.2	0.4	0.8	1.1	17.2	2.7	5.3	0.1	0.1	0.1	+
6	1.0	0.2	0.4	1.0	0.8	21.9	2.7	5.3	0.1	0.1	0.1	0.1
7	1.0	0.2	0.4	0.8	0.8	12.7	2.7	5.3	+	0.1	0.1	0.1
8	1.3	0.2	0.2	0.4	0.6	11.7	2.7	5.3	+	0.1	0.1	0.2
9	1.3	0.2	0.2	7.4	0.6	7.7	2.7	5.3	+	0.1	+	+
10	1.0	0.1	0.2	5.8	0.6	6.8	3.2	8.6	1.0	0.1	0.1	+
11	1.3	0.2	0.2	0.2	0.4	6.0	3.2	6.8	0.6	0.1	0.1	0.1
12	1.3	0.2	0.2	1.0	0.2	3.9	4.6	6.8	0.1	+	0.1	0.1
13	1.3	0.2	0.2	1.8	10.2	3.9	4.6	10.7	0.1	+	0.1	0.1
14	1.3	0.2	0.2	2.2	33.6	4.6	4.6	8.6	+	+	+	0.1
15	1.3	0.2	0.2	3.2	29.5	6.8	6.0	9.6	0.1	0.1	+	0.1
16	1.3	0.1	0.2	2.7	20.2	3.4	5.3	9.6	0.4	0.1	+	0.1
17	0.8	0.1	0.2	2.7	22.5	1.7	5.3	8.6	0.8	0.1	+	+
18	1.0	0.4	0.2	3.2	26.2	6.8	4.6	8.6	0.6	0.1	+	+
19	1.8	0.4	0.2	3.2	18.9	3.9	4.6	12.7	0.4	0.1	+	+
20	6.1	0.6	0.2	4.6	14.8	1.7	5.3	8.6	0.4	0.1	+	+
21	0.2	0.6	0.2	2.7	14.8	2.6	5.3	3.2	0.1	0.1	+	0.1
22	0.4	0.6	0.2	2.2	14.8	2.7	6.0	2.7	0.1	0.1	0.1	+
23	0.1	0.6	0.2	1.7	14.8	4.6	5.3	2.7	0.1	0.1	+	+
24	0.1	0.6	0.2	1.7	13.7	4.5	4.6	2.7	0.1	0.1	0.1	0.4
25	0.1	0.6	0.2	1.0	15.8	5.4	5.3	2.7	0.1	0.1	0.1	0.6
26	0.1	0.6	0.2	0.8	16.8	1.0	5.3	3.2	0.1	0.1	0.1	0.6
27	0.1	0.6	0.2	0.6	14.8	2.2	6.0	3.9	0.1	0.1	0.1	0.8
28	0.1	0.6	0.2	21.6	11.7	0.8	6.5	2.2	0.1	0.1	0.1	0.8
29	0.1	0.6	0.2	50.9	7.7	1.3	6.0	0.1	0.1	0.1	0.1	0.8
30	0.1	0.6	0.2	11.7		1.0	6.0	0.1	0.2	0.1	0.4	0.8
31	0.1		0.2	9.0		0.2		0.1		0.1	0.2	
MEAN	1.0	0.4	0.3	4.7	10.7	6.3	4.2	5.6	0.2	0.1	0.1	0.2
	62.5	21.2	16.3	292	615	388	249	344	12.9	5.6	4.8	12.7

YEAR OR PERIOD MEAN 2.8
ACRE-FEET 2,020

STATION NO. F267B-R

DAILY DISCHARGE in second-feet of SIERRA MADRE WASH AT HIGHLAND OAKS AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.4	0.6	0.3	0	2.4	15.7	0.8	1.2	0.5	0.2	0.2	0.1
2	0.4	0.6	0.2	0	1.4	5.1	0.8	1.4	0.2	0.2	0.2	0.1
3	0.6	0.6	0.2	0	+	6.5	0.8	1.2	0.2	0.2	0.2	0.1
4	0.6	0.6	1.0	0.2	0	4.5	0.8	1.2	0.5	0.2	0.2	0.1
5	0.6	0.6	1.4	11.4	+	0.5	0.8	1.2	0.7	0.2	0.2	0.1
6	1.0	0.6	1.5	2.8	0	0.5	0.8	1.0	0.5	0.2	0.2	0.1
7	1.0	0.4	1.5	0.2	0	0.3	0.8	1.0	0.5	0.2	0.2	0.1
8	1.0	0.4	1.0	0.2	0	0.3	0.8	1.0	0.3	0.2	0.2	0.1
9	1.0	0.1	0.3	0.9	0	0.3	0.8	1.0	0.3	0.2	0.2	0.1
10	1.0	1.0	0.3	0.3	0	0.5	0.8	0.8	0.3	0.2	0.2	0.1
11	1.3	2.6	0.2	0.2	0	0.5	0.8	1.0	0.3	0.2	0.2	0.1
12	1.3	0.6	0.2	0.2	+	0.3	0.8	1.4	0.3	0.2	0.2	0.1
13	0.8	0.8	0.2	0.5	0.2	0.8	0.8	1.0	0.3	0.2	0.2	0.1
14	1.0	0.2	+	1.1	0.3	0.3	0.8	1.0	0.5	0.2	0.2	0.1
15	1.0	0.1	0	7.5	+	+	0.8	1.0	0.3	0.2	0.2	0.1
16	1.0	+	0.3	6.0	0	0.3	0.8	0.8	0.3	0.2	0.2	0.1
17	1.3	+	5.4	1.4	0	5.1	0.8	0.8	0.3	0.2	0.2	0.1
18	1.3	+	6.7	0.8	0.2	3.1	0.8	1.0	0.3	0.2	0.2	0.1
19	1.3	+	2.4	0.2	0.2	1.7	0.8	1.5	0.3	0.2	0.2	0.1
20	1.0	+	+	+	1.3	1.4	1.2	1.5	0.2	0.2	0.2	0.1
21	1.7	1.2	0	0	19.3	1.4	1.2	1.5	0.2	0.2	0.2	0.1
22	1.7	0.2	+	0	3.0	0.8	1.2	1.4	0.2	0.2	0.2	0.1
23	1.0	+	+	0	1.0	0.8	1.2	0.8	0.2	0.2	0.2	0.1
24	1.3	+	+	1.0	1.0	0.8	1.2	0.8	0.2	0.2	0.2	0.1
25	1.0	+	0	0.3	1.2	0.8	1.2	0.8	0.2	0.2	0.2	0.1
26	1.0	+	0	+	1.4	0.8	1.2	0.7	0.2	0.2	0.2	0.1
27	1.0	+	+	+	1.2	0.8	1.2	0.7	0.2	0.2	0.2	0.1
28	1.0	+	+	0.3	1.5	0.8	1.2	0.7	0.2	0.2	0.2	0.1
29	1.3	+	0.2	0.2		0.8	1.2	0.7	0.2	0.2	0.2	0.1
30	1.0	+	+	4.3		0.8	1.0	0.7	0.2	0.2	0.2	0.1
31	0.6		0	6.6		0.8		0.7		0.2	0.2	
MEAN	1.0	0.4	0.8	1.5	1.3	1.8	0.9	1.0	0.3	0.2	0.2	0.1
	62.5	22.2	46.2	92.4	70.6	113	55.9	62.5	18	12.3	12.3	6.0

YEAR OR PERIOD MEAN 0.8
ACRE-FEET 574

STATION NO. F267B-R

DAILY DISCHARGE in second-feet of SIERRA MADRE WASH AT HIGHLAND OAKS AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.7	0.1	0.6	0.4	0.8	7.7	1.0	6.0	0.1	0.1	0.1	0.2
2	1.3	0.5	0.6	0.4	1.3	20.6	1.7	6.0	0.4	0.1	0.1	0.2
3	1.3	0.2	0.6	0.6	1.3	14.3	0.6	6.0	0.1	0.1	+	0.1
4	1.3	0.2	0.4	0.8	0.8	6.0	1.3	6.0	0.1	0.1	0.1	+
5	1.3	0.2	0.4	0.8	1.1	17.2	2.7	5.3	0.1	0.1	0.1	+
6	1.0	0.2	0.4	1.0	0.8	21.9	2.7	5.3	0.1	0.1	0.1	0.1
7	1.0	0.2	0.4	0.8	0.8	12.7	2.7	5.3	+	0.1	0.1	0.1
8	1.3	0.2	0.2	0.4	0.6	11.7	2.7	5.3	+	0.1	0.1	0.2
9	1.3	0.2	0.2	7.4	0.6	7.7	2.7	5.3	+	0.1	+	+
10	1.0	0.1	0.2	5.8	0.6	6.8	3.2	8.6	1.0	0.1	0.1	+
11	1.3	0.2	0.2	0.2	0.4	6.0	3.2	6.8	0.6	0.1	0.1	0.1
12	1.3	0.2	0.2	1.0	0.2	3.9	4.6	6.8	0.1	+	0.1	0.1
13	1.3	0.2	0.2	1.8	10.2	3.9	4.6	10.7	0.1	+	0.1	0.1
14	1.3	0.2	0.2	2.2	33.6	4.6	4.6	8.6	+	+	+	0.1
15	1.3	0.2	0.2	3.2	29.5	6.8	6.0	9.6	0.1	0.1	+	0.1
16	1.3	0.1	0.2	2.7	20.2	3.4	5.3	9.6	0.4	0.1	+	0.1
17	0.8	0.1	0.2	2.7	22.5	1.7	5.3	8.6	0.8	0.1	+	+
18	1.0	0.4	0.2	3.2	26.2	6.8	4.6	8.6	0.6	0.1	+	+
19	1.8	0.4	0.2	3.2	18.9	3.9	4.6	12.7	0.4	0.1	+	+
20	6.1	0.6	0.2	4.6	14.8	1.7	5.3	8.6	0.4	0.1	+	+
21	0.2	0.6	0.2	2.7	14.8	2.6	5.3	3.2	0.1	0.1	+	0.1
22	0.4	0.6	0.2	2.2	14.8	2.7	6.0	2.7	0.1	0.1	0.1	+
23	0.1	0.6	0.2	1.7	14.8	4.6	5.3	2.7	0.1	0.1	+	+
24	0.1	0.6	0.2	1.7	13.7	4.5	4.6	2.7	0.1	0.1	0.1	0.4
25	0.1	0.6	0.2	1.0	15.8	5.4	5.3	2.7	0.1	0.1	0.1	0.6
26	0.1	0.6	0.2	0.8	16.8	1.0	5.3	3.2	0.1	0.1	0.1	0.6
27	0.1	0.6	0.2	0.6	14.8	2.2	6.0	3.9	0.1	0.1	0.1	0.8
28	0.1	0.6	0.2	21.6	11.7	0.8	6.5	2.2	0.1	0.1	0.1	0.8
29	0.1	0.6	0.2	50.9	7.7	1.3	6.0	0.1	0.1	0.1	0.1	0.8
30	0.1	0.6	0.2	11.7		1.0	6.0	0.1	0.2	0.1	0.4	0.8
31	0.1		0.2	9.0		0.2		0.1		0.1	0.2	
MEAN	1.0	0.4	0.3	4.7	10.7	6.3	4.2	5.6	0.2	0.1	0.1	0.2
	62.5	21.2	16.3	292	615	388	249	344	12.9	5.6	4.8	12.7

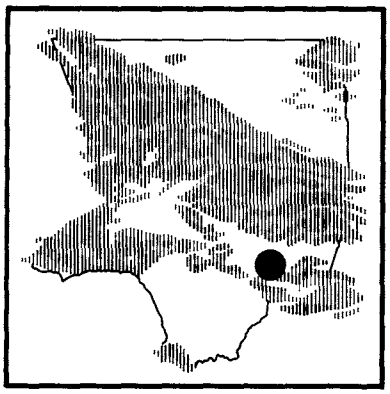
YEAR OR PERIOD MEAN 2.8
ACRE-FEET 2,020

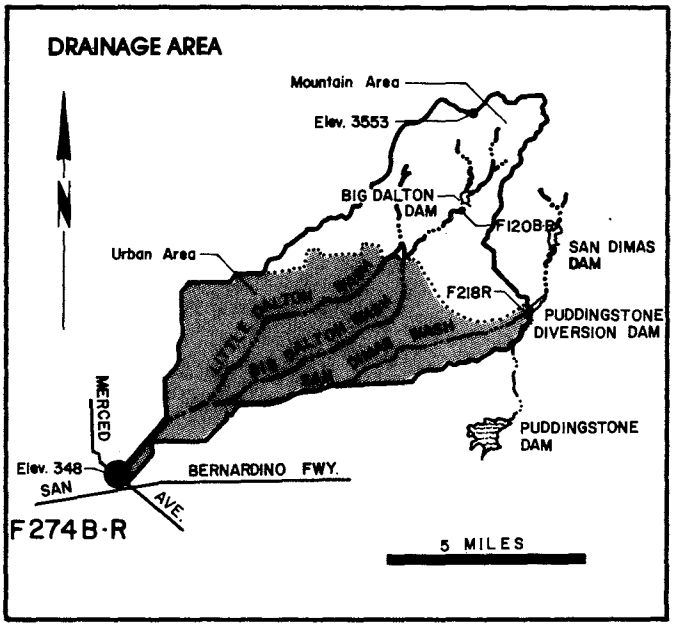
STA. NO. F267B-R
SIERRA MADRE WASH AT HIGHLAND OAKS DRIVE

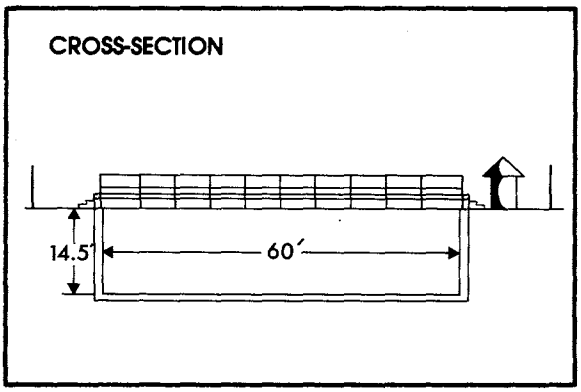
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1940-41A	N.D.	0	N.D.	N.D.			N.D.
1941-42	6.5	0	0.2	117	12	28	60
1942-43	216	0	3.4	2480	1	23	542
1943-44	67	+	0.6	390	2	22	202
1944-45	24	0	0.2	144	11	11	175
1945-46	35	0	0.3	212	12	23	188
1946-47	26	0	0.3	227	12	27	112
1947-48	6.2	0	0.1	52	3	13	76
1948-49	1.1	0	+	18	3	4	43
1949-50	8.2	0	0.1	74	11	10	110
1950-51	8.4	0	0.1	44	1	11	110
1951-52	71	0	0.9	670	1	16	323
1952-53	11.8	0	0.1	101	12	1	208
1953-54	57	0	0.6	404	1	19	333
1954-55	11.7	0	0.2	164	1	18	175
1955-56	104	0	0.5	344	1	26	481
1956-57	28	0	0.4	264	2	23	445
1957-58	54	+	1.9	1350	2	19	700E
1958-59	36	0	0.4	304	1	6	706
1959-60B	5.8	0	+	72	1	15	56
1960-61	4.5	0	0.1	40	11	5	127
1961-62	128	0	1.4	1030	2	11	429
1962-63	32	0	0.3	231	2	9	193E
1963-64	20	0	0.3	179	4	1	280
1964-65	13.9	0	0.3	192	11	9	315
1965-66	177	0	2.1	1480	12	29	384
1966-67	78	0	1.0	695	12	3	190
1967-68	36	0	0.3	233	3	8	293
1968-69	328	0	4.9	3560	1	25	990
1969-70	30	0	0.5	331	2	10	96
1970-71	45	0	0.4	253	11	29	312
1971-72	93	0	0.7	533	12	22	58
1972-73	**	0	**	**			**
1973-74	37	0	0.2	171	1	7	122
1974-75	13	0	0.1	89	12	4	196
1975-76	58	0	0.8	555	9	10	286
1976-77	19.2	0	0.4	298	10	23	231
1977-78	155	0	3.6	2595	2	10	592
1978-79	19	0	0.8	574	2	21	129
1979-80	50.9	0.1	2.8	2029	2	15	408

A = RECORD BEGAN AT STATION F267-R ON DECEMBER 30, 1938. SEVERAL YEARS RECORDS WERE NOT PUBLISHED DUE TO LACK OF SUFFICIENT RELIABLE DATA.
B = RECORD BEGAN AT B LOCATION DECEMBER 11, 1959
E = ESTIMATE
N.D. = NOT DETERMINED
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0
** = RECORD NOT COMPUTED

DALTON WASH
at Merced Avenue
STATION NO. F274B-R







RECORDER- 15 minute punched tape.

METHOD OF MEASUREMENTS- low flows measured by wading. High flows measured from footbridge 100 feet upstream from station.

DRAINAGE AREA- 36.0 square miles, not including the area above Puddingstone Diversion Dam.

LOCATION- on the west bank and upstream of Merced Avenue about 150 feet, about one-half mile above the junction with Walnut Wash and about one mile south of Baldwin Park.

REGULATION- partly regulated by Big Dalton Dam, San Dimas Dam, Puddingstone Diversion Dam, Big Dalton Spreading Grounds, Little Dalton Spreading Grounds, Big Dalton Debris Basin, Little Dalton Debris Basin, and Irwindale Spreading Grounds.

REMARKS- flow may include imported water originating at San Dimas.

STATION NO. F274B-R

DAILY DISCHARGE in second-feet of DALTON WASH AT MERCED AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	-7.9	3.2	5.2	1.9	9.1	E 810	2.2	0.2	0.2	D 204	D 205	D 228
2	7.9	2.7	6.0	1.3	6.9	E 595	5.8	0.2	0.2	D 204	D 183	D 228
3	7.9	1.9	5.2	10.7	6.0	190	0.3	0.1	0.3	D 204	D 127	D 228
4	7.9	1.3	6.0	236	6.0	1,460	32.8	0.3	1.3	D 204	D 107	D 228
5	6.9	44.9	6.0	9.1	45.1	1,070	1.6	0.3	6.0	D 204	D 107	D 89
6	6.0	6.0	6.0	69	32.2	250	109	0.2	6.9	D 204	D 107	D 95
7	5.2	6.0	0.6	5.2	191	215	33.9	0.2	6.9	D 204	D 107	D 229
8	5.2	6.0	+	3.7	24.9	173	0.4	0.1	6.9	D 204	D 107	D 229
9	4.4	6.0	+	201	770	99	0.3	0.1	6.9	D 205	D 107	D 229
10	3.7	5.2	+	247	1,050	75.3	0.3	0.1	6.9	D 205	D 106	D 229
11	3.2	6.0	+	9.1	137	193	0.3	0.2	6.0	D 205	D 106	D 232
12	2.7	6.0	+	6.9	662	102	0.4	0.1	6.9	D 205	D 106	D 230
13	1.9	6.9	+	5.2	123	82.2	0.3	0.2	6.9	D 205	D 106	D 225
14	1.6	7.9	+	292	74.2	69.9	0.2	0.2	6.9	D 205	D 152	D 80.4
15	1.3	6.0	+	271	16.1	16.7	159	0.3	D 70.4	D 205	D 194	D 229
16	1.0	6.9	+	616	21.2	0.2	0.4	0.2	D 181	D 205	D 205	D 229
17	0.6	6.0	74.3	30.7	450	0.1	0.2	0.1	D 205	D 205	D 204	D 214
18	2.3	6.0	75.5	11.8	1,430	0.3	0.1	0.2	D 205	D 206	D 204	D 208
19	6.0	7.9	0.3	47.7	649	0.3	0.4	0.2	D 205	D 206	D 204	D 194
20	6.0	6.0	+	9.1	474	0.3	0.2	0.3	D 205	D 206	D 204	D 182
21	5.2	6.0	0.4	6.9	E 168	22.7	0.1	0.2	D 205	D 207	D 204	D 182
22	6.0	6.0	+	5.2	E 41	136	0.1	0.2	D 205	D 207	D 212	D 182
23	6.0	6.0	5.7	4.4	E 53.7	21.9	0.1	0.3	D 205	D 206	D 228	D 180
24	4.4	4.4	0	3.7	E 82.2	0.4	0.2	0.3	D 205	D 222	D 228	D 180
25	4.4	5.2	10.8	3.7	E 53.7	0.4	0.6	0.3	D 205	D 234	D 228	D 180
26	3.7	6.0	177	5.2	E 19.9	0.4	0.1	0.3	D 205	D 109	D 228	D 179
27	3.7	6.0	44	5.2	E 14.7	2.2	0.1	0.2	D 205	D 229	D 228	D 177
28	4.4	6.0	321	5.2	E 282	0.3	0.1	0.2	D 205	D 229	D 228	D 187
29	6.0	6.0	1.6	9.1		0.6	0.3	0.2	D 205	D 229	D 228	D 209
30	5.2	6.0	13.7	7.9		17.4	0.2	0.2	D 205	D 230	D 228	D 201
31	4.4		1.0	36.2		45.1		0.1		D 222	D 228	
MEAN	4.6	6.9	24.5	70.2	246	182	11.7	0.2	106	207	175	196
	284	409	1,510	4,320	13,670	11,210	694	12.5	6,330	12,870	10,740	11,690

YEAR OR PERIOD MEAN 103
ACRE-FEET 73,740

STATION NO. F274B-R

DAILY DISCHARGE in second-feet of DALTON WASH AT MERCED AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	207	E 222	184	107	14.9	69.3	6.9	3.7	3.7	E 103	E 204	E 204
2	64.5	E 229	214	107	50.9	3.7	6.9	6.0	3.7	E 104	E 204	E 204
3	E 230	E 229	E 229	107	1.9	3.7	6.9	4.4	3.2	E 104	E 204	E 204
4	E 230	E 229	E 229	65.4	0.1	3.7	6.0	3.2	3.2	E 104	E 204	E 204
5	E 228	E 229	E 229	148	1.6	3.7	6.9	2.3	3.2	E 104	E 204	E 204
6	E 228	E 229	E 229	66.1	4.4	4.4	6.9	5.2	3.2	E 104	E 204	E 204
7	E 230	E 229	E 229	3.2	4.4	5.2	7.9	3.7	4.4	E 104	E 204	E 204
8	E 229	E 189	E 229	4.4	3.7	5.2	7.9	4.4	4.4	E 104	E 204	E 204
9	E 229	E 230	E 229	15.2	3.7	5.2	9.1	3.7	3.7	E 104	E 204	E 204
10	E 230	138	E 229	2.7	4.4	4.4	7.9	4.4	2.7	E 104	E 204	E 204
11	E 230	69.3	E 229	3.2	3.7	2.7	9.1	4.4	3.7	E 104	E 204	E 204
12	E 230	E 65	E 229	2.7	3.2	3.7	9.1	3.7	4.4	E 136	E 204	E 204
13	E 230	51.4	E 229	3.2	4.4	51.2	9.1	4.4	5.2	E 204	E 204	E 204
14	E 230	E 144	E 229	48.8	38.2	7.9	7.9	4.4	4.4	E 204	E 204	E 204
15	E 229	E 229	E 229	162	3.7	6.0	7.9	3.7	5.2	E 204	E 204	E 204
16	E 230	E 230	E 210	10.9	3.7	6.9	7.9	3.2	5.2	E 204	E 204	E 204
17	E 230	E 238	78	16.4	3.7	74.4	11.8	3.7	5.2	E 204	E 204	E 204
18	E 229	E 254	72.6	30.2	3.7	110	10.4	3.7	5.2	E 204	E 204	E 169
19	142	E 254	16.3	2.3	4.4	95.1	6.9	3.7	5.2	E 204	E 204	E 154
20	E 124	229	7.9	2.3	60.3	14.2	6.9	3.7	4.4	E 204	E 204	E 154
21	E 230	101	4.4	2.3	306	3.7	6.9	3.2	3.7	E 204	17.4	E 154
22	E 229	5.2	3.7	2.3	3.7	2.3	6.9	3.2	4.4	E 204	3.7	E 188
23	E 230	3.2	3.2	2.7	21.4	2.7	6.9	3.7	4.4	E 204	3.7	E 204
24	E 228	110	3.2	2.7	3.2	3.2	5.2	3.7	E 115	E 204	E 70	E 204
25	E 229	E 185	3.2	2.7	2.7	2.3	5.2	3.2	E 154	E 204	E 104	E 204
26	E 228	E 179	3.2	2.7	2.7	2.3	5.2	3.2	E 185	E 204	E 104	E 204
27	E 228	E 179	3.2	2.7	3.2	582	5.2	3.7	E 204	E 204	E 168	E 204
28	E 229	E 179	5.2	3.7	3.7	60.9	4.4	3.2	E 144	E 204	E 204	E 204
29	E 230	E 179	E 50	39.5		29.7	4.4	3.2	E 104	E 204	E 204	E 204
30	E 228	E 179	E 103	280		7.9	4.4	3.2	E 104	E 204	E 204	E 204
31	E 228		E 103	208		6.9		3.7		E 204	E 204	
MEAN	217	174	130	47	20.2	38.2	7.2	3.8	36.9	166	173	197
	13,340	10,350	8,020	2,890	1,120	2,350	426	232	2,190	10,230	10,650	11,740

YEAR OR PERIOD MEAN 101
ACRE-FEET 73,540

STATION NO. F274B-R

DAILY DISCHARGE in second-feet of DALTON WASH AT MERCED AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	207	3.7	78	128	18	94.8	120	9.4	0.1	4.4	4.4	10.4
2	214	3.2	82.2	136	14.7	516	71.3	7.4	0.1	4.4	4.4	10.4
3	207	3.2	82.2	136	16.3	326	13.8	19.9	0.1	4.4	4.4	7.9
4	207	3.7	D 82.2	136	16.3	207	0.1	19.9	0.1	4.4	5.2	11.8
5	214	4.4	D 82.2	128	18	282	0.1	7.1	0.1	3.7	5.2	75.3
6	207	3.7	D 82.2	120	18	379	12.9	0.1	0.1	3.7	6.9	72.6
7	207	5.2	D 82.2	120	18	256	13.8	0.1	0.1	3.7	5.2	46
8	207	5.2	D 82.2	7.9	19.9	263	0.1	7.9	0.1	4.4	4.4	48.5
9	207	D 55	D 82.2	324	18	242	0.1	7.5	0.1	3.7	3.7	51
10	207	D 80	D 82.2	145	19.9	207	0.1	38.2	+	4.4	4.4	53.7
11	207	D 80	D 82.2	181	21.9	152	0.1	21.9	0.1	6.0	4.4	99
12	207	D 80	D 82.2	37.9	18	136	0.1	7.6	0.1	5.2	4.4	107
13	207	D 80	D 82.2	120	400	176	0.1	0.1	+	5.2	4.4	103
14	207	D 80	D 82.2	8.4	480	152	0.1	5.7	0.1	4.4	6.0	99
15	207	D 80	D 82.2	10.4	664	152	0.1	19.9	+	2.7	6.0	103
16	207	D 80	D 82.2	11.8	2,790	144	0.1	13.2	0.1	3.2	6.9	99
17	200	D 80	D 82.2	55.8	1,060	136	0.1	0.1	0.1	4.4	6.0	105
18	184	D 80	D 82.2	30.3	1,110	244	0.1	0.1	0.1	6.0	4.4	99
19	136	D 80	D 82.2	10.4	815	128	0.1	0.1	0.1	5.2	5.2	48
20	275	D 80	D 82.2	10.4	507	128	0.1	0.1	0.1	4.4	6.0	11.8
21	4.4	D 80	D 82.2	7.9	748	128	1.5	0.3	0.3	3.7	5.2	11.8
22	5.2	D 80	D 82.2	9.1	451	128	28.8	0.2	0.3	4.4	5.2	10.4
23	4.4	D 80	D 82.2	14.7	428	128	17.5	0.1	0.4	5.2	4.4	9.1
24	3.7	82.2	48.7	6.0	331	128	9.2	0.1	1.3	4.4	3.7	9.1
25	4.4	82.2	6.6	2.7	247	149	0.1	0.1	2.3	3.7	3.7	7.9
26	3.7	82.2	37.3	3.2	185	128	0.1	0.1	3.2	4.4	6.9	9.1
27	3.7	82.2	D 131	3.2	116	120	0.1	0.1	2.7	4.4	6.9	9.1
28	4.4	82.2	D 131	599	112	120	0.6	0.1	3.2	6.0	6.9	9.1
29	3.2	82.2	D 131	418	94.8	120	0.2	0.1	3.7	5.2	7.9	9.1
30	3.7	78	D 131	3.3		120	23.6	0.1	3.7	5.2	7.9	6.9
31	3.2		D 131	38.5		120		0.1		6.0	9.1	
MEAN	134	59.3	85	95.6	371	184	10.5	6.1	0.8	4.5	5.5	45.1
	8,260	3,530	5,220	5,880	21,330	11,330	625	372	45.2	279	337	2,680

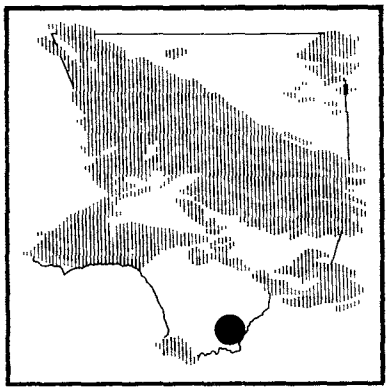
YEAR OR PERIOD MEAN 83.4
ACRE-FEET 59,890

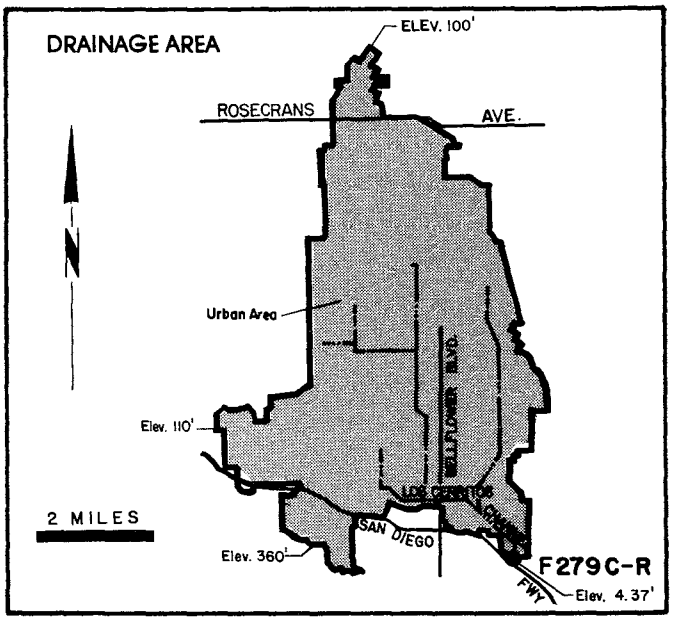
STA. NO. F274B-R
DALTON WASH AT MERCED AVENUE

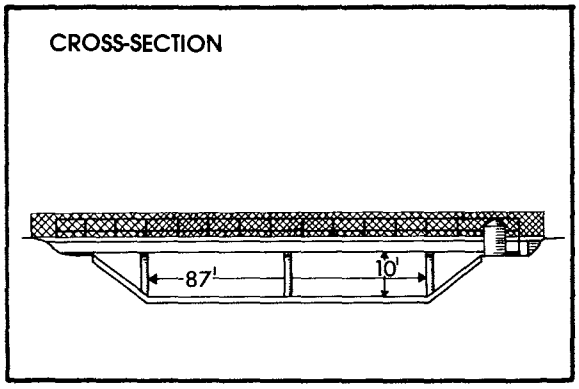
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1940-41	206	0	5.3	3844	3	13	674
1941-42	42	0	1.0	727	12	10	230
1942-43	336	0	4.8	3500	1	22	1230
1943-44	1620	0	2.2	1620	2	22	2650
1944-45	144	0	1.2	894	11	11	1740
1945-46	229	0	2.2	1610	12	23	1450
1946-47	52	0	1.4	984	11	23	328
1947-48	20	0	0.1	96	12	5	149
1948-49	19	0	0.1	97	12	17	181
1949-50	38	0	0.4	306	12	18	232
1950-51	11	0	0.1	64	1	11	175
1951-52	270	0	2.9	2090	1	16	1070
1952-53	39	0	0.4	287	11	15	549
1953-54	217	0	1.5	1060	2	13	1290
1954-55	88	0	1.0	706	1	18	668
1955-56	860	0	3.1	2260	1	26	2350
1956-57	165	0	1.4	980	3	1	1990
1957-58	303	0	6.5	4690	3	16	1310
1958-59B	208	0	3.0	2130	1	6	2700
1959-60	2260	0.1	3.1	2260	1	10	1000
1960-61	150	0.2	3.1	2220	1	26	1468
1961-62	511	0.1	9.9	7200	11	20	4270
1962-63	403	0.2	5.7	4110	3	16	2020
1963-64	169	0.1	3.8	2750	1	21	1530
1964-65	290	0.1	4.4	3170	4	9	2800
1965-66	571	0.2	8.8	6310	11	22	1320
1966-67	693	0.3	14.0	10140	9	1	3970
1967-68	414	0.3	5.9	4310	3	8	3254
1968-69	3120	0.3	47.0	34300	1	25	6550
1969-70	447	1.2	68.0	49270	2	70	4775
1970-71	404	0.8	88.0	63700	12	21	2320
1971-72	599	0.8	54.0	39430	12	24	3570
1972-73	629	0.8	121.0	87820	2	2	4240
1973-74	839	0.8	112.0	81260	1	4	2140
1974-75	550	0.8	66.8	48320	12	4	5060
1975-76	282	0.8	74.1	53640	9	10	2190
1976-77	210	1	14.2	10280	1	3	3240
1977-78	*	*	*	*			*
1978-79	582	0.1	101.6	73533	3	27	5610
1979-80	2790	+	83.4	59890	2	16	10000

B = RECORD BEGAN AT B LOCATION OCTOBER 1, 1958
\+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.
* = RECORD INCOMPLETE

LOS CERRITOS CHANNEL
at Stearns Street
STATION NO. F279C-R







RECORDER- continuous water stage.

METHOD OF MEASUREMENTS- wading or from bridge.

DRAINAGE AREA- 25.6 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.

STATION NO. F279C-R

DAILY DISCHARGE in second-feet of LOS CERRITOS CHANNEL AT STEARNS ST. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.2	0.2	0.2	0.2	0.1	374	19.3	0.6	0.4	0.2	1.0	0.4
2	0.2	0.2	0.2	0.1	0.1	217	0.6	0.2	0.2	0.2	0.4	0.2
3	0.2	0.2	0.2	60	0.1	10.1	0.1	0.2	0.2	0.4	0.4	0.2
4	0.2	0.2	0.2	319	0.1	734	28.4	0.2	0.2	0.4	0.4	0.2
5	0.2	1.5	0.2	25.4	344	241	0.8	0.2	0.2	0.2	0.2	180
6	0.2	1.1	0.2	152	147	10.9	23.1	0.2	0.2	0.4	0.2	13.2
7	0.2	0.2	0.2	3.9	182	4.9	37.4	0.2	0.2	0.2	0.2	1.7
8	0.2	0.2	0.2	3.4	153	2.1	0.6	0.2	0.2	0.2	0.4	1.0
9	0.2	0.2	0.2	243	442	30.4	0.6	0.2	0.2	0.2	0.6	0.6
10	0.2	0.2	0.2	210	299	5.0	0.2	0.2	0.2	0.2	1.0	0.4
11	0.2	0.2	0.2	17.8	15	38.5	0.2	0.2	0.2	0.2	0.4	1.0
12	0.2	0.2	0.2	2.1	185	6.6	0.2	0.2	0.4	0.2	1.0	0.4
13	0.2	0.2	0.2	1.7	69.8	0.2	0.2	0.2	0.6	0.2	1.3	0.8
14	0.2	0.2	0.2	293	6.3	0.1	0.4	0.4	0.6	0.2	1.0	0.2
15	0.2	0.2	0.2	181	1.5	0.1	87.2	0.4	0.2	0.2	0.4	0.6
16	0.2	0.2	0.2	257	1.0	0.1	6.9	0.2	0.2	0.2	0.4	0.4
17	0.2	0.2	9.0	15.9	0.8	0.1	0.2	0.2	0.2	0.2	0.2	1.0
18	0.2	0.2	32.9	2.1	0.6	0.2	0.2	0.2	0.2	0.2	0.6	0.8
19	0.2	0.2	0.2	137	0.4	0.2	0.2	0.4	0.4	0.2	0.4	0.2
20	0.2	0.2	0.2	1.9	0.2	0.2	0.1	0.6	0.2	0.2	0.4	0.6
21	0.2	0.2	20.6	0.6	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2
22	0.1	0.2	3.5	0.2	0.2	106	0.1	0.6	0.4	0.2	0.2	0.6
23	0.2	0.2	0.2	0.2	0.2	2.1	0.1	0.4	0.4	0.2	0.6	0.6
24	0.2	0.2	0.6	0.2	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.6
25	0.2	0.2	46.4	0.2	0.2	0.2	1.7	0.4	0.2	0.2	0.2	0.4
26	0.2	0.2	260	0.1	0.2	0.2	0.6	0.2	0.4	0.2	0.2	0.4
27	0.2	0.2	17.2	0.1	21.8	0.2	0.2	0.2	0.6	0.2	0.2	0.2
28	0.2	0.2	281	0.2	422	0.2	0.4	0.2	0.4	0.2	0.4	0.2
29	0.2	0.2	427	0.1		0.2	0.4	0.4	0.2	0.2	0.2	0.6
30	0.2	0.2	9.0	0.2		11.1	0.2	0.2	0.2	0.2	0.2	0.4
31	0.2		1.1	1.3		93		0.2		0.2	0.6	
MEAN	0.2	0.3	35.9	62.3	81.9	60.9	7.0	0.3	0.3	0.2	0.5	6.9
	12.1	16.3	2,210	3,830	4,550	3,750	419	17.6	17.1	13.5	28.4	412

YEAR OR PERIOD MEAN 21.4
ACRE-FEET 15,280

STATION NO. F279C-R

DAILY DISCHARGE in second-feet of LOS CERRITOS CHANNEL AT STEARNS ST. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.1	0.8	0.5	0.1	80.5	87.8	0.2	2.6	1.5	1.5	0.8	1.3
2	0.8	1.0	0.2	0.1	63.8	1.1	0.2	1.1	1.0	2.1	0.6	1.3
3	1.0	0.8	0.1	0.2	4.4	0.4	0.2	1.7	1.3	1.3	0.8	1.3
4	0.6	0.8	0.1	0.2	1.0	0.4	0.2	1.5	1.0	1.1	1.1	1.3
5	0.4	1.1	0.2	362	0.4	0.4	0.6	1.1	1.0	0.8	0.6	1.5
6	1.0	1.3	0.1	257	0.4	1.0	0.2	1.0	1.0	0.8	0.6	1.3
7	1.1	1.0	0.1	1.9	0.4	1.0	0.2	1.1	0.8	1.1	1.2	1.5
8	0.8	1.1	0.1	1.0	0.2	0.8	0.2	0.8	0.8	1.1	1.0	1.5
9	1.0	1.7	0.1	39.4	0.4	1.0	0.4	0.8	1.0	1.1	1.0	1.5
10	0.8	7.0	0.1	1.3	0.8	0.8	0.2	0.8	1.0	1.3	1.1	1.5
11	1.1	32.8	0.2	1.5	0.2	0.6	0.2	1.0	1.1	1.1	1.0	1.7
12	1.0	17	0.2	1.0	0.2	1.0	0.2	1.1	1.1	1.1	1.1	1.7
13	1.0	89.9	0.2	0.4	0.7	6.3	0.4	1.0	1.1	1.5	1.1	1.5
14	0.8	2.1	0.4	11.3	139	1.0	0.6	1.1	1.5	1.3	1.3	2.1
15	0.6	1.0	0.6	184	1.0	3.5	1.1	1.5	1.1	1.1	1.3	1.7
16	0.6	0.4	0.8	24.5	0.4	3.9	1.1	1.1	0.8	0.8	1.1	1.9
17	0.8	0.6	203	3.0	0.2	95.5	0.6	0.8	0.8	1.1	1.3	2.6
18	0.2	0.8	160	93.7	0.2	3.7	0.4	0.8	0.6	1.3	1.3	2.1
19	0.4	1.5	34.6	3.0	1.3	132	0.6	0.8	1.0	1.1	1.9	1.7
20	1.5	1.5	1.5	0.6	6.6	64.6	0.6	1.0	1.0	0.8	1.3	1.5
21	0.6	216	0.8	0.6	94.6	3.7	0.6	1.0	1.0	0.8	1.5	1.5
22	0.2	95.7	0.4	0.6	5.0	0.4	0.6	0.8	1.0	0.6	1.5	1.5
23	0.2	3.0	0.4	0.4	158	0.6	0.8	0.8	1.1	0.6	1.5	1.3
24	0.2	0.6	0.4	0.2	1.1	0.2	1.9	0.8	1.3	1.3	1.7	1.5
25	0.2	0.6	0.4	0.2	1.1	0.4	3.0	1.0	1.1	1.3	1.9	1.7
26	0.6	0.2	0.2	0.2	1.0	0.4	1.9	1.0	1.1	1.0	1.7	1.3
27	0.6	0.2	0.6	0.2	0.6	573	1.3	0.8	1.1	0.8	1.7	1.1
28	0.4	0.2	0.2	2.5	0.8	56.7	0.8	0.6	1.7	1.1	1.7	1.3
29	0.6	0.2	0.2	1.1		34.3	0.6	1.1	1.5	1.1	1.7	1.3
30	0.6	0.4	0.2	901		1.1	1.3	0.8	1.7	1.1	1.3	1.3
31	0.4		0.2	797		0.2		0.8		0.8	1.3	
MEAN	0.7	16	13.1	86.8	20.2	34.8	0.7	1.0	1.1	1.1	1.3	1.5
	42	955	807	5,340	1,120	2,140	42	63.9	65.7	67.2	77.4	91.8

YEAR OR PERIOD MEAN 18.9
ACRE-FEET 10,810

STATION NO. F279C-R

DAILY DISCHARGE in second-feet of LOS CERRITOS CHANNEL AT STEARNS ST. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.0	0.2	0.2	0.2	0.8	0.2	0.2	0.4	1.0	1.3	1.7	1.9
2	1.0	0.8	0.2	0.2	0.6	264	0.6	0.4	1.1	1.3	3.0	2.1
3	1.3	0.2	0.6	0.2	0.2	125	0.2	0.4	6.8	1.3	3.0	2.6
4	1.3	0.2	0.4	0.2	0.4	1.7	0.6	0.4	4.4	1.1	3.0	2.1
5	1.3	0.2	0.4	0.2	1.1	99.3	0.4	0.4	3.0	1.1	4.4	1.9
6	1.3	0.4	0.8	0.2	1.1	182	0.6	0.4	0.8	1.1	5.9	1.9
7	1.3	26.9	0.4	23	0.6	1.7	0.2	0.4	0.8	1.1	5.9	1.3
8	1.1	12.5	0.4	23.6	0.4	0.8	0.4	0.4	0.4	1.3	5.9	1.1
9	1.1	0.4	0.4	736	0.2	0.2	0.8	0.4	0.8	1.3	5.2	1.7
10	1.1	0.2	0.4	23.5	0.4	1.3	0.6	0.4	0.6	1.1	4.4	1.5
11	1.1	0.2	0.4	380	0.4	1.0	0.4	0.4	0.4	1.3	4.4	1.7
12	1.3	0.2	0.2	113	0.4	0.4	0.4	0.4	0.2	1.0	4.9	1.7
13	1.3	0.2	0.6	29.8	282	0.2	0.4	0.4	1.0	1.1	4.4	1.3
14	1.9	0.4	0.8	24.1	1,200	0.6	0.4	0.4	1.0	1.0	4.0	1.1
15	1.3	0.2	0.2	3.0	83.5	0.2	0.4	0.6	1.0	1.3	4.4	1.1
16	1.1	0.8	0.4	1.5	759	0.2	0.4	0.8	1.0	1.1	4.0	1.1
17	1.5	1.0	0.6	1.0	267	0.2	0.4	1.0	1.1	1.1	3.5	1.3
18	1.0	0.4	1.0	5.7	457	0.2	0.4	1.3	1.1	1.1	3.5	1.3
19	6.4	0.2	1.3	0.2	215	0.1	0.4	1.0	1.3	1.3	4.0	1.5
20	61.7	0.2	0.8	0.2	213	0.2	0.4	0.8	1.3	1.1	4.0	1.0
21	0.4	0.1	19.6	0.2	81.8	0.8	0.4	1.3	1.3	1.0	3.0	1.0
22	0.2	0.2	1.0	0.2	2.1	0.8	0.4	1.5	1.5	1.3	3.0	0.8
23	0.2	0.2	0.2	0.4	0.8	0.2	0.4	1.1	1.7	1.7	3.0	1.7
24	0.2	0.2	25.2	0.4	0.2	0.2	0.4	0.6	1.3	1.7	2.6	1.3
25	0.2	0.2	8.1	0.2	0.2	72.4	0.4	0.8	1.3	1.7	2.1	1.0
26	0.2	0.4	0.2	0.2	0.2	58.6	0.4	1.0	1.3	1.5	3.5	1.1
27	0.1	0.2	0.4	0.2	0.2	0.6	0.4	1.0	1.5	1.7	3.5	1.1
28	0.2	0.4	0.2	352	0.2	0.4	0.4	0.6	1.5	1.5	4.0	1.0
29	0.1	0.4	0.2	355	0.2	0.1	0.4	0.8	1.3	1.5	3.5	1.1
30	0.1	0.4	0.2	10.5		0.2	0.4	0.8	1.1	1.3	2.6	1.1
31	0.2		0.2	18.1		0.2		0.8		1.5	2.1	
MEAN	3.0	1.6	2.1	67.8	123	26.3	0.4	0.7	1.4	1.3	3.8	1.4
	183	96.2	131	4,170	7,080	1,610	25	42.4	85.1	78.9	231	84.1

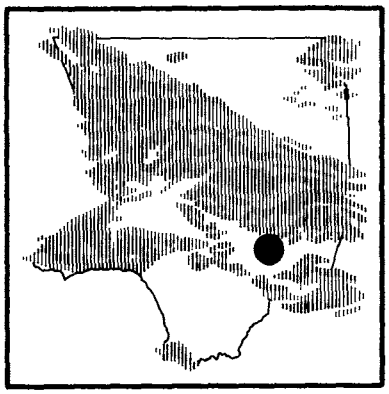
YEAR OR PERIOD MEAN 19.4
ACRE-FEET 13,820

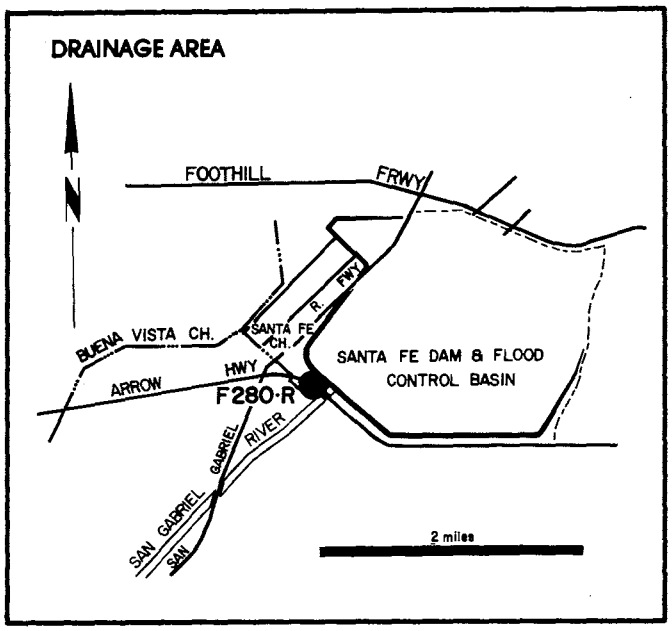
STA. NO. F279C-R
LOS CERRITOS CHANNEL AT STEARNS STREET

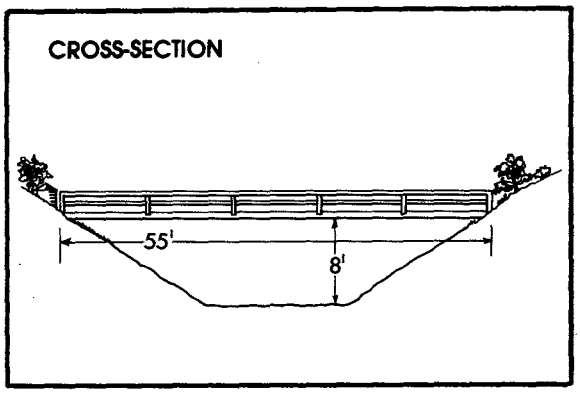
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1949-50B	247	0	2.6	1900	2	6	894
1950-51	161	0	3.0	2190	1	29	934
1951-52	836	0	13.4	9730	1	18	2220
1952-53	298	0	3.9	2810	11	15	1700
1953-54	795	0	8.1	5850	2	13	2790
1954-55	362	0	6.2	4500	1	18	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	296	+	3.3	2410	11	19	2430
1964-65	349	0.1	6.8	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
1972-73	471	0.2	11.4	8240	2	7	3550
1973-74	633	0.2	8.5	6150	1	4	2750
1974-75	520	0.1	9.5	6910	12	4	7740
1975-76	262	0.1	4.3	3030	9	10	1620
1976-77	517	0.1	5.9	4220	5	8	2780
1977-78	734	0.1	21.3	15447	12	29	3170
1978-79	901	0.1	14.9	10810	1	31	5880
1979-80	1200	0.1	19.4	13820	2	14	5620

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.

SANTA FE CHANNEL
below Santa Fe Dam
STATION NO. F280-R







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.

STATION NO. F280-R

DAILY DISCHARGE in second-feet of SANTA FE CHANNEL BELOW SANTA FE DAM — FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	+	232	25.8	135	0.1	42.8	159	260	0	0	0
2	0	1.5	249	24.6	134	0	41.7	120	245	0	0	0
3	0	6.5	238	6.9	52.9	0	56.3	120	229	0	0	0
4	0	10	238	0.5	2.7	0.1	106	121	199	0	0	0
5	0	10.3	242	0.4	2.7	+	121	120	161	0	0	0
6	0	10.6	257	0.2	75.8	0	146	120	147	0	0	0
7	0	10.6	259	0	111	0	151	120	119	0	0	B 25
8	0	5.3	270	0	61.4	0	132	120	111	0	0	B 25
9	0	7.3	280	0.7	0.9	0	133	121	279	0	0	0
10	0	14.7	276	0.1	0.8	0	116	121	319	0	0	0
11	0	14.3	272	0.1	0.1	0	103	121	32.7	0	0	0
12	0	12.2	272	0	+	0	104	121	0.1	0	0	0
13	0	10.6	280	0	+	0	103	121	+	0	0	0
14	0	9.7	277	+	0	0	103	24.7	+	0	0	0
15	0	9.2	281	+	0	0	109	34.3	+	0	0	0
16	0	9.2	293	0.1	0	1.6	49.1	122	+	0	0	0
17	0	9.5	275	+	0	3.0	32.9	119	+	0	0	0
18	0	6.6	7.1	0	23.3	2.8	73.4	115	+	0	0	0
19	0	2.6	212	10.5	48.4	14.1	132	70.1	+	0	0	0
20	0	2.6	253	7.4	49	23.1	187	24.6	+	0	0	0
21	0	29	9.1	27.5	49.6	22.7	329	20.7	+	0	0	0
22	0	133	2.0	36.5	97.2	22	140	73	+	0	0	0
23	0	183	1.2	72.5	152	21.3	140	134	+	0	0	0
24	0	187	0.8	140	153	39.1	134	141	+	0	0	0
25	0	203	0.7	59.9	152	63.5	62.9	239	+	0	0	0
26	0	194	1.9	63.6	152	80.6	0	260	+	0	0	0
27	0	198	3.8	130	152	98.9	45.6	297	+	0	0	0
28	0	214	4.8	130	97.5	116	127	309	+	0	0	0
29	0	224	5.2	130		129	128	296	+	0	0	0
30	0	227	18.8	134		108	149	293	+	0	0	0
31	0		26.2	135		41.7		276		0	0	
MEAN	0	65.2	163	36.7	60.8	25.4	110	144	70.1	0	0	1.7
	0	3,880	9,990	2,250	3,380	1,560	6,540	8,830	4,170	0	0	99.1

YEAR OR PERIOD — MEAN 56.4 — ACRE-FEET 40,700

STATION NO. F280-R

DAILY DISCHARGE in second-feet of SANTA FE CHANNEL BELOW SANTA FE DAM FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	+	+	+	+	+	0.1	0.4	78.1	148	+	0	0
2	+	+	+	+	0.1	0.1	0.4	146	148	+	0	0
3	+	+	+	+	0.1	+	0.2	143	148	+	0	0
4	+	+	+	+	0.2	+	+	141	148	+	0	0
5	+	+	+	+	+	+	+	139	148	+	0	0
6	0.7	0	+	+	+	+	+	139	148	+	0	0
7	1.4	0	+	+	+	+	+	140	144	+	0	0
8	1.4	0	+	+	+	0.1	+	140	86.3	+	0	0
9	1.2	0	+	+	+	0.1	+	139	38	+	0	0
10	1.3	0	0.1	+	+	0.1	+	140	39	+	0	0
11	1.3	0	+	+	+	0.1	+	140	39.6	+	0	0
12	1.2	0	+	+	+	0.2	+	140	40.1	+	0	0
13	1.1	0	0	+	+	0.5	+	141	40.1	+	0	0
14	0.7	0	0	+	0.1	0.4	+	141	40.6	2.3	0	0
15	0.5	0	+	+	+	0.5	+	140	23.1	2.4	0	0
16	0.4	0	0	+	+	0.4	+	141	+	1.2	0	0
17	0.1	0	0.1	+	+	0.3	+	142	+	0.4	0	0
18	+	+	0.1	+	+	0.2	0.1	143	23.7	0.2	0	0
19	+	0.1	0.1	+	+	0.4	0.5	143	41.1	0.1	0	0
20	+	0.1	0.4	+	+	0.1	0.1	143	41.7	0.1	0	0
21	+	0.1	0.5	+	0.4	+	+	143	42.2	0.1	0	0
22	+	0.1	0.4	+	0.1	+	+	144	16.2	0.1	0	0
23	+	0.1	0.2	+	+	+	+	143	2.6	+	0	0
24	+	0.1	0.1	+	+	+	+	144	2.6	+	0	0
25	+	0.1	+	+	+	+	+	145	29.7	+	0	0
26	+	0.1	+	+	+	+	+	145	45.5	+	0	0
27	0.2	+	+	+	+	0.5	+	146	42.8	+	0	0
28	0.5	+	+	+	+	0.5	+	146	38.5	+	0	0
29	0.4	+	0.6	+		0.6	+	147	15.3	+	0	0
30	0.1	+	0.1	+		0.5	+	147	0.2	+	0	0
31	+		+	+		0.5		148		+	0	
MEAN	0.4	+	0.1	+	+	0.2	0.1	141	57.4	0.2	0	0
	24.8	1.6	5.4	+	2.0	12.3	3.4	8,640	3,410	13.7	0	0

YEAR OR PERIOD MEAN 16.6
ACRE-FEET 12,110

STATION NO. F280-R

DAILY DISCHARGE in second-feet of SANTA FE CHANNEL BELOW SANTA FE DAM FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	+	0	+	6.3	353	113	92.6	156	0	0	0
2	0	+	0	+	6.5	388	117	92.6	156	0	0	0
3	0	+	0	+	7.0	210	85.9	91.8	107	0	0	0
4	0	+	0	+	7.2	24.3	17.6	91.8	82.2	0	0	0
5	0	0.4	0	+	7.4	24.3	17.9	91.8	81.4	0	0	0
6	0	138	0	+	7.7	24.3	17.6	54	72.2	0	0	0
7	0	289	0	+	7.9	24.3	17.6	42.1	57.4	0	0	0
8	0	305	0	+	3.8	23.9	17.3	86.2	57.4	0	0	0
9	0	309	0	+	0.4	21.3	17.3	87.8	60.8	0	0	0
10	0	314	0	+	0.3	16.6	16.9	87.8	61.5	0	0	0
11	0	318	0	+	0.4	15.3	40.1	88.6	48.3	0	0	0
12	0	319	0	+	0.4	11.6	77.6	88.6	56.2	0	0	0
13	0	319	0	+	4.7	10.4	76.9	87	56.2	0	0	0
14	0	318	0	+	10.8	12.8	76.9	82.2	56.2	0	0	0
15	0	316	0	+	12.2	12.5	76.2	82.2	56.2	0	0	0
16	0	316	0	4.2	35.2	12.2	70.6	85.4	56.8	0	0	0
17	0	315	0	7.0	85.9	12.2	62.9	87	56.8	0	0	0
18	0	311	0	6.7	62.2	78.3	62.2	87.8	56.2	0	0	0
19	0	305	0	6.3	68.6	123	52.9	87.8	56.2	0	0	0
20	0	302	0	5.9	80.2	123	28.9	88.6	56.2	0	0	0
21	0	301	0	5.9	91	123	44.1	87.8	55.6	0	0	0
22	0	299	0	4.1	102	123	92.6	87	55	0	0	0
23	0	297	0	0.2	105	123	90.2	86.2	55	0	0	0
24	0	292	0	0.1	108	123	84.6	86.2	50.5	0	0	0
25	0	286	0	0.1	107	123	83.8	86.2	4.9	0	0	0
26	0	280	0	+	107	50.1	83	86.2	1.3	0	0	0
27	0	272	0	+	109	72.9	83	85.4	+	0	0	0
28	0	263	0	1.5	72	117	87	84.6	+	0	0	0
29	0	202	0	6.3	152	117	93.4	116	+	0	0	0
30	0	0.2	0	6.1		117	92.6	156	+	0	0	0
31	0		0	6.1		115		156		0	0	
MEAN	0	233	0	2.0	47.2	87.9	63.3	90.4	55.6	0	0	0
	0	13,860	0	120	2,710	5,410	3,760	5,560	3,310	0	0	0

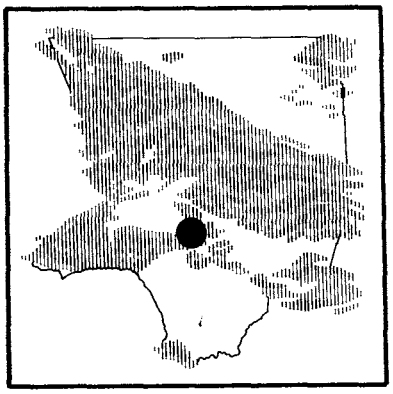
YEAR OR PERIOD MEAN 48.3
ACRE-FEET 34,730

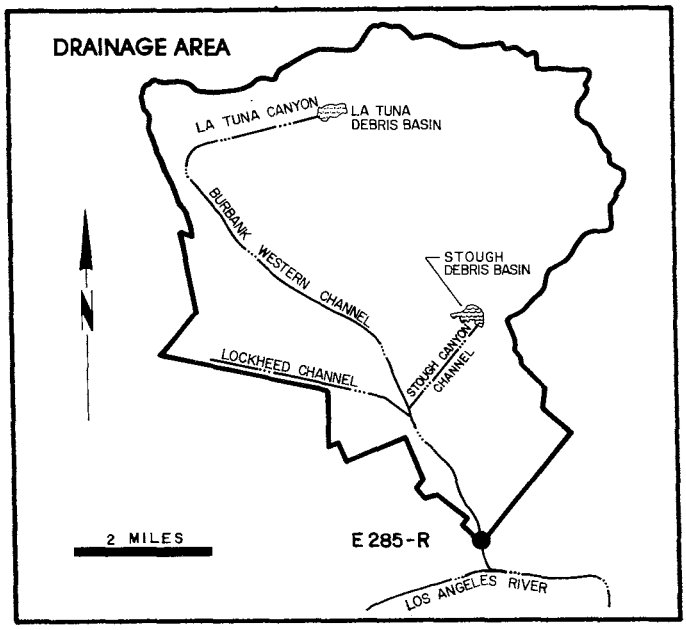
STA. NO. F280-R
SANTA FE CHANNEL BELOW SANTA FE DAM

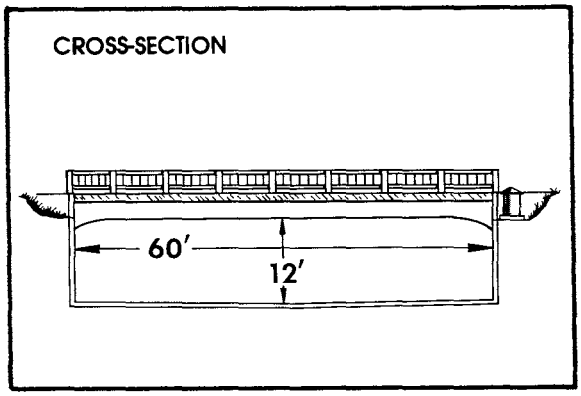
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1943-44	253	0	20.9	15180	5	18	253
1944-45	0	0	0.0	0			0
1945-46	479	0	31.2	22610	9	13	484
1946-47	446	0	16.8	12200	11	27	484
1947-48	786	0	10.9	7880	6	4	800
1948-49	0	0	0.0	0			0
1949-50	0	0	0.0	0			0
1950-51	0	0	0.0	0			0
1951-52	381	0	3.2	2280	3	16	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	0			0
1955-56	0	0	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	0			0
1959-60	0	0	0.0	0			0
1960-61	0	0	0.0	0			0
1961-62	547	0	12.7	9190	2	12	819
1962-63	0	0	0.0	0			0
1963-64	0	0	0.0	0			0
1964-65	+	0	+	+	9	8	1
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
1972-73	222	0	13.0	9410	2	21	280
1973-74	233	0	6.4	4650	4	16	241
1974-75	24	0	0.6	466	4	22	27
1975-76	0	0	0.0	0			0
1976-77	23.5	0	2.0	1439	8	17	52
1977-78	*	*	56.2	40699	4	21	432
1978-79	148	0	16.7	12113	5	1	195
1979-80	388	0	48.3	34730	3	2	440

\+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.
* = RECORD INCOMPLETE

BURBANK-WESTERN ST. DR.
at Riverside Drive
STATION NO. E 285-R







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.

STATION NO. E285-R

DAILY DISCHARGE in second-feet of BURBANK WESTERN STORM DRAIN AT RIVERSIDE DRIVE FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	11.9	11.9	10.6	9.1	10.6	542	152	54.5	11.9	13.1	13.1	13.1
2	11.9	11.9	10.6	10.6	10.6	265	129	41.7	11.9	10.6	13.1	13.1
3	11.9	10.6	10.6	30	10.6	242	101	21.2	11.9	10.6	13.1	13.1
4	11.9	10.6	10.6	131	10.6	1,260	92.2	13.1	10.6	10.6	13.1	14.6
5	11.9	12.6	11.9	11.9	83.5	364	92.2	13.1	11.9	11.9	13.1	42.4
6	11.9	9.1	11.9	76	23	249	119	13.1	11.9	11.9	13.1	24.3
7	11.9	9.1	11.9	10.6	107	235	152	13.1	10.6	11.9	14.6	11.9
8	11.9	9.1	11.9	10.6	90.4	215	114	13.1	11.9	11.9	13.1	11.9
9	11.9	9.1	11.9	56.4	480	169	96.6	13.1	11.9	11.9	11.9	10.6
10	11.9	11.9	11.9	134	790	129	83.4	13.1	10.6	11.9	11.9	10.6
11	11.9	10.6	10.6	11.9	235	96.6	72	13.1	10.6	11.9	11.9	10.6
12	11.9	10.6	10.6	10.6	261	68.5	61.5	13.1	10.6	11.9	11.9	9.1
13	11.9	10.6	10.6	10.6	234	47.5	54.5	13.1	10.6	11.9	11.9	11.9
14	11.9	10.6	10.6	192	222	32.6	44	13.1	10.6	11.9	11.9	11.9
15	11.9	10.6	10.6	83.1	195	23.5	237	13.1	10.6	11.9	11.9	11.9
16	11.9	11.9	11.9	257	164	17.1	158	13.1	11.9	11.9	11.9	11.9
17	11.9	11.9	17.5	18.3	129	13.1	129	11.9	13.1	13.1	13.1	11.9
18	11.9	11.9	29.6	11.9	101	9.1	110	11.9	13.1	13.1	13.1	11.9
19	11.9	11.9	10.6	39.2	87.8	5.6	92.2	11.9	13.1	13.1	11.9	11.9
20	11.9	10.6	10.6	10.6	75.5	3.9	79	11.9	13.1	13.1	11.9	10.6
21	11.9	11.9	11.9	10.6	65	55.6	65	11.9	13.1	13.1	13.1	10.6
22	11.9	11.9	11.9	10.6	54.5	368	51	13.1	13.1	14.6	13.1	10.6
23	11.9	10.6	11.9	10.6	47.5	181	37.2	11.9	13.1	14.6	15.7	11.9
24	11.9	10.6	10.6	11.9	41.7	146	30.3	10.6	13.1	14.6	14.6	18.5
25	11.9	10.6	19.4	13.1	34.9	129	77	11.9	13.1	13.1	14.6	17.9
26	11.9	11.9	179	13.1	30.3	114	158	11.9	14.6	13.1	13.1	10.6
27	11.9	11.9	72.1	11.9	25.8	105	129	10.6	13.1	14.6	13.1	10.6
28	11.9	10.6	387	11.9	375	92.2	105	10.6	13.1	14.6	13.1	10.6
29	11.9	10.6	21.3	10.6		83.4	87.8	13.1	13.1	14.6	13.1	10.6
30	11.9	10.6	10.6	10.6		77.8	72	11.9	14.6	11.9	14.6	10.6
31	11.9		10.6	11.9		200		11.9		13.1	13.1	
MEAN	11.9	10.9	32	40.4	143	179	99.4	15	12.2	12.6	13	13.4
	732	651	1,970	2,480	7,920	10,990	5,910	922	727	778	799	797

YEAR OR PERIOD MEAN 48.6
ACRE-FEET 34,680

STATION NO. E285-R

DAILY DISCHARGE in second-feet of BURBANK WESTERN STORM DRAIN AT RIVERSIDE DRIVE FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	10.6	3.9	14.6	9.1	39.3	86.3	10.6	10.6	10.6	10.6	13.1	14.6
2	11.9	5.6	14.6	9.1	99.2	10.6	9.1	10.6	10.6	10.6	14.6	13.1
3	11.9	11.9	14.6	7.9	11.9	10.6	9.1	9.1	10.6	9.1	14.6	14.6
4	11.9	11.9	15.7	7.9	9.1	9.1	9.1	9.1	10.6	9.1	14.6	14.6
5	11.9	10.6	15.7	249	9.1	9.1	10.6	10.6	10.6	9.1	13.1	14.6
6	10.6	10.6	15.7	13.1	7.9	9.1	9.1	10.6	10.6	9.1	14.6	14.6
7	11.9	10.6	15.7	7.9	9.1	9.1	9.1	9.1	10.6	9.1	15.7	14.6
8	11.9	10.6	15.7	9.1	9.1	9.1	9.1	9.1	9.1	9.1	15.7	13.1
9	11.9	11.9	15.7	13.1	7.9	9.1	10.6	10.6	9.1	7.9	14.6	13.1
10	11.9	28.3	14.6	7.9	9.1	9.1	10.6	10.6	9.1	7.9	15.7	14.6
11	11.9	45.8	14.6	9.1	7.9	9.1	9.1	10.6	9.1	7.9	14.6	14.6
12	11.9	10.6	14.6	9.1	9.1	10.6	9.1	10.6	9.1	7.9	15.7	15.7
13	10.6	23.8	14.6	9.1	16.6	18.5	9.1	10.6	9.1	7.9	15.7	14.6
14	9.1	10.6	15.7	55.9	26.3	11.9	9.1	10.6	9.1	7.9	15.7	14.6
15	9.1	9.1	17.1	219	7.9	11.9	9.1	10.6	9.1	7.9	14.6	14.6
16	9.1	9.1	18.5	180	7.9	11.9	9.1	10.6	9.1	7.9	14.6	14.6
17	9.1	9.1	23.5	11.9	7.9	111	9.1	10.6	9.1	7.9	14.6	14.6
18	9.1	10.6	134	13.1	10.6	50.2	10.6	10.6	9.1	7.9	14.6	15.7
19	7.9	11.9	16.1	9.1	10.6	40.9	9.1	10.6	9.1	7.9	14.6	15.7
20	9.1	10.6	9.1	9.1	23.7	20.7	9.1	10.6	9.1	9.1	14.6	14.6
21	9.1	50.2	9.1	9.1	124	9.1	9.1	10.6	9.1	10.6	15.7	13.1
22	7.9	45.1	9.1	9.1	9.1	9.1	9.1	10.6	9.1	11.9	14.6	13.1
23	7.9	10.6	9.1	9.1	46.9	9.1	9.1	14.6	9.1	11.9	14.6	13.1
24	7.9	9.1	9.1	9.1	9.1	9.1	9.1	32.6	9.1	11.9	14.6	14.6
25	7.9	9.1	9.1	9.1	10.6	9.1	9.1	30.3	9.1	11.9	14.6	14.6
26	7.9	9.1	9.1	9.1	11.9	10.6	9.1	28	9.1	13.1	15.7	15.7
27	9.1	10.6	9.1	9.1	10.6	338	9.1	23.5	9.1	13.1	15.7	15.7
28	9.1	10.6	9.1	9.1	9.1	138	9.1	18.5	9.1	11.9	17.1	15.7
29	6.7	10.6	9.1	9.1		18.5	9.1	19.7	9.1	11.9	17.1	15.7
30	5.6	10.6	10.6	116		11.9	9.1	18.5	10.6	11.9	14.6	15.7
31	4.5		9.1	106		10.6		13.1		11.9	14.6	
MEAN	9.6	14.8	17.2	37.5	20.4	33.6	9.3	13.7	9.5	9.8	15	14.6
	589	878	1,060	2,310	1,130	2,060	556	845	565	603	921	868

YEAR OR PERIOD MEAN 17.1
ACRE-FEET 12,390

STATION NO. E285-R

DAILY DISCHARGE in second-feet of BURBANK WESTERN STORM DRAIN AT RIVERSIDE DRIVE FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	15.7	10.6	11.9	11.9	E 41.7	15.7	E 19.7	10.6	11.9	7.9	6.7	10.6
2	15.7	11.9	11.9	11.9	E 32.6	315	E 18.5	10.6	11.9	6.7	5.6	11.9
3	13.1	13.1	11.9	13.1	E 23.5	E 169	E 19.7	10.6	10.6	5.6	5.6	10.6
4	13.1	13.1	10.6	14.6	E 17.1	E 41.7	E 14.6	9.1	13.1	4.5	6.7	10.6
5	14.6	13.1	10.6	13.1	E 14.6	E 85.7	E 7.9	11.9	11.9	3.9	6.7	11.9
6	15.7	13.1	11.9	13.1	E 14.6	E 172	E 5.0	11.9	11.9	3.9	6.7	10.6
7	15.7	29.4	11.9	14.6	E 14.6	E 41.7	E 6.7	13.1	13.1	4.5	6.7	9.1
8	15.7	63.3	13.1	14.2	E 14.6	E 25.8	E 9.1	13.1	11.9	4.5	5.6	11.9
9	15.7	13.1	13.1	292	11.9	E 25.8	E 6.7	13.1	13.1	4.5	5.0	11.9
10	15.7	13.1	13.1	55.8	10.6	E 32.6	E 7.9	20.2	13.1	4.5	5.6	11.9
11	15.7	11.9	13.1	171	11.9	28	E 7.9	7.9	13.1	5.6	6.7	11.9
12	15.7	13.1	11.9	54.5	13.1	23.5	E 9.1	7.9	14.6	5.6	6.7	11.9
13	15.7	11.9	14.6	30.3	205	19.7	E 9.1	7.9	19.7	6.7	7.9	10.6
14	15.7	11.9	14.6	30.3	228	19.7	E 9.1	9.1	19.7	7.9	6.7	9.1
15	15.7	11.9	13.1	17.1	489	18.5	E 9.1	10.6	18.5	7.9	6.7	11.9
16	17.1	11.9	11.9	10.6	1,490	18.5	E 10.6	10.6	18.5	10.6	6.7	11.9
17	17.1	13.1	13.1	7.9	281	18.5	E 11.9	9.1	15.7	10.6	6.7	11.9
18	15.7	7.9	13.1	9.1	241	141	E 13.1	9.1	14.6	10.6	7.9	11.9
19	15.7	7.9	13.1	7.9	471	101	E 13.1	9.1	14.6	7.9	6.7	7.9
20	55.1	11.9	13.1	5.6	235	E 32.6	E 14.6	10.6	15.7	7.9	6.7	9.1
21	13.1	13.1	17.1	5.6	229	E 21.2	E 18.5	14.6	11.9	9.1	6.7	9.1
22	13.1	11.9	10.6	5.6	169	E 21.2	E 39.4	11.9	10.6	7.9	7.9	10.6
23	13.1	15.7	13.1	5.6	110	E 21.2	E 61.5	10.6	11.9	9.1	7.9	9.1
24	13.1	17.1	51.7	5.0	68.5	E 21.2	E 41.7	6.7	11.9	7.9	7.9	9.1
25	13.1	13.1	13.1	5.6	47.5	E 32.6	E 30.3	6.7	10.6	7.9	5.6	9.1
26	13.1	13.1	11.9	5.6	34.9	E 79	E 19.7	9.1	7.9	6.7	7.9	9.1
27	13.1	13.1	11.9	42.1	25.8	E 51	E 14.6	11.9	6.7	5.6	7.9	9.1
28	13.1	13.1	11.9	353	19.7	E 37.2	E 15.7	11.9	6.7	6.7	10.6	7.9
29	13.1	11.9	11.9	E 368	17.1	E 30.3	E 19.7	11.9	6.7	6.7	9.1	9.1
30	13.1	11.9	11.9	E 72		E 21.2	E 14.6	10.6	7.9	6.7	9.1	13.1
31	11.9		11.9	E 58		E 19.7		13.1		6.7	10.6	
MEAN	15.9	14.7	13.8	55.6	158	54.9	16.6	10.8	12.7	6.9	7.1	10.5
	977	875	850	3,420	9,090	3,380	990	665	754	422	439	624

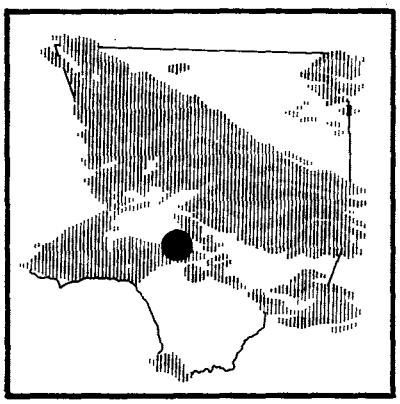
YEAR OR PERIOD MEAN 31.5
ACRE-FEET 22,490

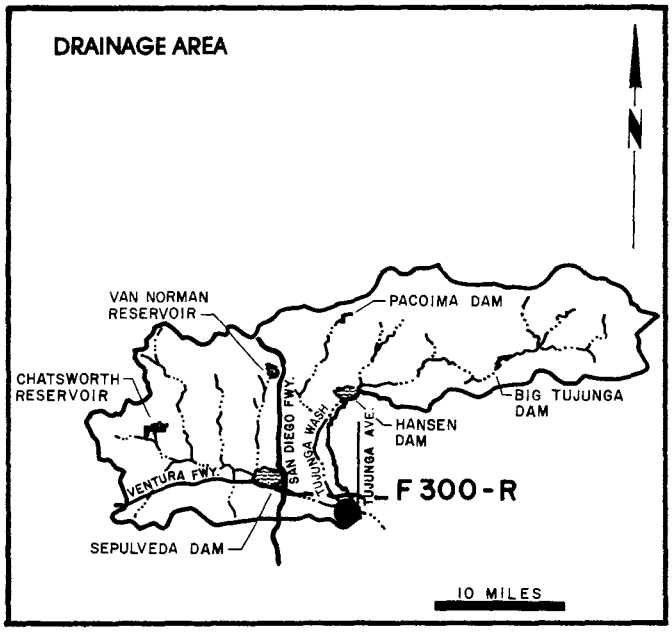
STA. NO. E285-R
BURBANK WESTERN STORM DRAIN AT RIVERSIDE DRIVE

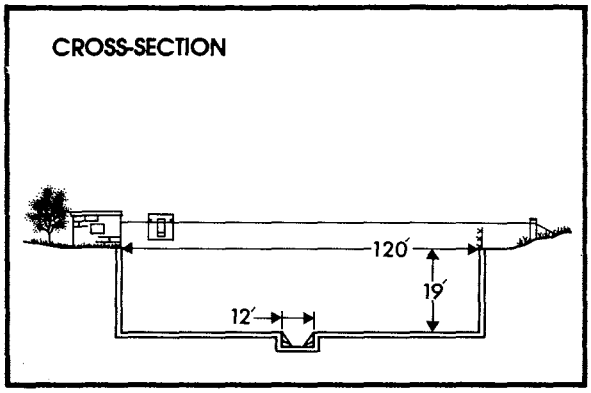
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1950-51	50	1.2	4.0	2870	1	11	920
1951-52	310	1.2	8.9	6490	1	16	1400
1952-53	89	0	4.7	3400	12	20	1380
1953-54	144	2.1	5.7	4140	3	16	1070
1954-55	123	1.2	5.6	4020	1	18	849
1955-56	400	2	5.6	4070	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	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
1972-73	478	4.5	16.1	11670	1	18	3130
1973-74	800	4.5	14.8	10740	1	7	1860
1974-75	318	5	12.6	9120	12	4	2370
1975-76	221	4.5	13.0	9410	9	5	3030
1976-77	369	7.9	16.8	12164	10	23	2880
1977-78	1260	3.9	47.9	34682	2	10	12300
1978-79	338	3.9	17.1	12387	3	17	2620
1979-80	1490	5	31.5	22500	2	16	7560

N.D. = NOT DETERMINED

LOS ANGELES RIVER
at Tujunga Avenue
STATION NO. F300-R







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.

STATION NO. F300-R

DAILY DISCHARGE in second-feet of LOS ANGELES RIVER AT TUJUNGA AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.5	1.5	1.1	3.0	8.0	10,700	950	205	18.1	16.7	17.9	29
2	1.4	1.3	1.4	2.0	7.6	5,530	810	162	16.2	14.4	23.1	29.8
3	1.4	1.6	1.6	258	7.2	2,710	810	135	15.9	14.4	24.5	29
4	1.4	1.3	1.3	1,550	7.0	19,200	824	115	17.5	16.4	22.3	27.2
5	1.3	35.4	1.0	72.7	1,100	8,540	810	98.9	19.6	15.4	21.2	649
6	1.3	5.5	0.9	887	358	3,970	1,030	84.8	19.9	13.5	20.3	157
7	1.3	2.0	1.5	27.5	1,010	2,640	847	72.8	17.3	13.2	18.8	21.2
8	1.3	1.5	1.5	10	861	1,680	810	61.5	19.3	13	12.9	14.1
9	1.3	1.4	1.4	1,580	7,930	1,390	810	51.4	18.5	13.7	11.3	12
10	1.3	1.4	1.5	2,340	13,800	1,050	810	43.6	20.3	16.4	10.9	13
11	1.3	1.4	1.8	79.3	1,980	814	810	35.8	16.2	13.8	12	12.8
12	1.3	1.4	1.9	21.9	3,520	754	796	28.3	18.1	14.6	11.1	14
13	1.3	1.3	1.3	11.8	1,310	740	824	22.4	18.9	59.1	11.1	13.2
14	1.4	1.1	1.1	1,710	649	740	852	17.2	17.8	13.2	11.6	12.6
15	1.3	0.8	1.4	1,640	532	740	2,040	20.5	15.9	11.8	11.5	277
16	1.8	1.0	1.4	3,300	435	768	860	37.1	18	12.1	11.3	680
17	1.4	1.3	136	601	250	782	782	25	15.9	11.3	10.4	66.3
18	1.3	1.6	120	271	181	782	782	29.8	15.9	11.6	10.2	54.7
19	1.4	1.4	3.3	563	146	782	782	24.4	16.7	11.1	17.5	47.4
20	1.4	1.0	1.9	80.9	132	782	782	21.2	15.9	11.6	23.8	41.4
21	0.9	1.1	13.3	32.5	118	951	782	23.3	16.2	11.3	22.1	32.8
22	0.9	1.3	21	19.2	106	2,270	782	21.7	16.4	11.7	20.9	31
23	1.4	2.0	4.2	14.7	223	810	782	20.8	16.4	12	20	31
24	1.9	2.4	1.9	10.9	112	782	768	54.4	16.4	13	22.2	31.3
25	1.5	1.8	71.5	8.9	21.2	782	712	124	16.7	14.2	23.4	32.5
26	1.3	1.8	1,600	15.2	41.3	782	614	82.8	17	14.7	26.3	32.9
27	2.2	1.3	482	8.0	47.1	782	516	19.5	17.2	22.7	26.2	32.5
28	1.3	1.0	2,790	7.2	4,300	782	424	54.1	22.1	14.4	25.8	31.3
29	0.9	1.1	41.5	7.2		782	352	72.5	24.8	13.8	25.8	30.6
30	1.3	1.4	15.5	7.6		916	286	47.9	24	13.7	26.5	29.4
31	1.4		4.8	8.0		1,620		18.4		14.3	27.6	
MEAN	1.4	2.7	172	489	1,400	2,460	795	59.1	18	15.3	18.7	83.9
	84.1	159	10,570	30,050	77,740	151,400	47,280	3,630	1,070	938	1,150	4,990

YEAR OR PERIOD MEAN 460
ACRE-FEET 329,100

STATION NO. F300-R

DAILY DISCHARGE in second-feet of LOS ANGELES RIVER AT TUJUNGA AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	30.1	26.5	35.6	7.4	358	778	194	61.5	21.8	39.2	29	23.1
2	31	27.9	35.3	5.8	1,240	42.8	111	58.1	25.5	37.4	30.2	22.4
3	31	26.5	26.5	15.1	181	26.9	75	55.2	29.8	37.4	31	22.4
4	30.6	25.8	26.9	31.7	48.7	23.1	58.1	51.4	30.2	37.4	31.3	20.6
5	32.9	27.1	26.5	5,210	34.8	21.2	51.1	49.9	15.2	35.3	31.7	19.8
6	33.5	25.5	25.1	584	31.9	19.7	25.5	47.9	5.5	35.6	32.5	26.3
7	32.1	24.8	24.8	66	44.1	21.6	24.8	45.5	7.8	43.2	29.4	20.2
8	30.2	25.1	24.8	29.8	40	20.3	25.1	42.7	53.3	44.1	27.2	19.4
9	29.8	25.1	24.1	194	42.9	19.1	25.8	40.5	91	42.3	27.2	21.3
10	28.3	218	24.4	35	57.5	18.3	27	37.8	96.4	40	27.2	21.3
11	28.3	821	24.8	16.2	51.4	18.3	29.5	35.8	48.9	38.7	26.9	21.5
12	29	228	23.1	13	45.9	18.3	25.6	33.7	15.1	40	29	20.7
13	29	311	14.4	11.3	87.4	226	25.7	32.1	16.4	40.9	28.3	21.4
14	26.2	93.8	12	302	747	26.9	22.7	30.2	18.6	41.8	29	21.7
15	25	35.5	14	4,140	72.3	25	21.5	26.6	18.9	40.9	28.7	22.7
16	26.5	16.7	18.6	4,040	24.8	32.7	20.3	21.6	18.9	40	26.6	21.8
17	26.2	13.2	407	149	22.4	869	19.4	21.2	18.6	39.6	27.2	22.4
18	26.5	14.2	1,290	78.9	21.2	203	18.3	21.1	17	41.8	26.2	22.8
19	28	18	437	57.5	28.5	182	20.5	22.4	14.9	38.7	27.2	22.7
20	32.7	30	43.5	43.6	138	146	17.8	19.5	15.4	33.7	26.5	23.2
21	29.9	699	16.5	36.2	1,660	26.9	16.4	21.9	20.2	36.2	26.5	21.5
22	26.5	1,490	15	32.5	68.6	18.9	15.4	12.9	28	32.1	26.9	26.2
23	24.8	148	10.6	22.4	599	16	50.3	27.7	32.9	27.2	27.2	27
24	25.8	56.2	9.7	19.3	37.9	15.2	114	83.2	36.6	21.5	25	21.3
25	28	36.6	8.7	18	27.6	16.3	97.2	15.7	43.2	27.6	23.4	23.2
26	27.6	31.7	8.7	13.5	25.5	14.5	90.8	12	46.4	27.2	24.8	26.9
27	27.2	30.6	9.7	15.2	22.7	4,280	89.3	13.2	44.6	26.2	23.7	28
28	26.2	31	9.3	14.3	21.8	2,320	86.3	10	41.8	27.2	22.2	25.8
29	26.5	30.2	8.4	14.2		727	81.9	9.8	41.8	29	23.8	27.1
30	28.6	29.8	9.1	1,360		436	72.1	11.3	41.8	29	28.7	34.8
31	27.7		8.0	2,020		250		19.4		29.4	25	
MEAN	28.6	154	86.2	600	206	350	51.7	32	31.9	35.5	27.4	23.3
	1,760	9,160	5,300	36,880	11,470	21,540	3,080	1,970	1,900	2,180	1,680	1,390

YEAR OR PERIOD MEAN 136
ACRE-FEET 98,310

STATION NO. F300-R

DAILY DISCHARGE in second-feet of LOS ANGELES RIVER AT TUJUNGA AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

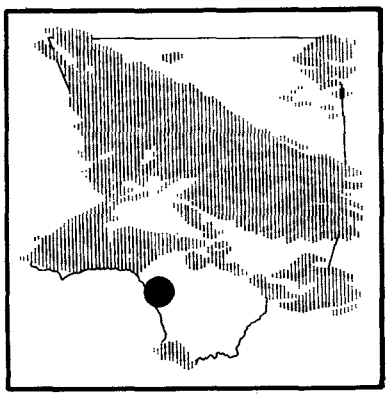
	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	23.8	24.4	13.2	9.7	194	E 186	E 115	E 56	23.1	20.3	15.9	10.4
2	24.4	24.8	13	8.4	56.6	E 3,487	E 108	E 98	22.4	18	16.5	11.8
3	26.5	27.2	12.5	9.3	40	E 1,303	E 102	E 52	22.1	15.4	15.7	13.2
4	25.8	26.6	12.5	9.5	37.8	E 316	E 87	E 50	20.6	14.7	14.9	11.3
5	26.9	26.5	12.8	11.1	37.4	E 1,217	E 74	E 51	20	13.7	14.4	11.6
6	23.9	27.2	12.5	9.3	37	E 2,668	E 70	E 52	19.1	13	14.2	11.1
7	24.6	142	13.7	47.5	37	E 983	E 72	E 48	19.1	13.5	14.7	10.4
8	23.1	848	14.2	25	36.6	E 788	E 74	E 45	18.6	11.3	14.4	10.6
9	22.1	32.7	13	2,950	37	E 608	E 78	E 81	18.6	14.9	14.2	11.3
10	21.5	23.8	12.5	398	37	E 624	E 69	E 89	18	19.7	13.7	10.4
11	21.8	21.8	12	1,830	37	E 500	E 56	E 27	17.8	18.3	14	10.6
12	23.1	18.8	10.4	570	37.4	E 473	E 41	E 25	17	18	14.7	10.6
13	21.8	19.2	11.3	430	2,490	E 433	E 40	E 28	18.9	19.7	14	10
14	24.2	19.1	12.3	134	3,160	E 156	E 41	E 30	18.6	17.5	14.4	8.9
15	36.1	17.2	12.3	87.8	5,090	E 138	E 48	E 37	18.9	17.5	13.2	9.5
16	25.4	17.5	12.7	85.6	9,440	E 133	E 53	E 36	19.1	17.5	13.5	10.4
17	24.5	36.1	11.1	81.9	8,530	E 129	E 53	E 115	19.1	17.2	13	10.6
18	23.1	18	11.8	78.5	4,100	E 831	E 53	E 279	20.3	18.9	13	11.3
19	37.1	16.4	11.8	69.5	5,180	E 350	E 53	E 60	20.6	17.8	13.2	11.6
20	544	15.9	11.8	64.5	3,790	E 260	E 52	E 26	21.2	16.7	13	11.8
21	38.2	15.9	36.8	59.8	2,690	E 351	E 48	E 40	20.3	17.8	12.8	11.1
22	31.3	15.7	17.9	55.8	2,260	E 240	E 179	E 62	21.2	18.3	13.7	10.2
23	29.4	15.7	10	48.4	2,060	E 175	E 88	E 34	20.3	18.6	14.2	10.2
24	76.7	16.4	612	45.5	1,890	E 150	E 57	E 24	20.9	18.3	11.8	10.7
25	225	16.2	338	43.2	1,730	E 303	E 39	E 19	21.5	17	11.8	10.4
26	147	17	16.6	39.2	1,570	E 616	E 34	E 19	24.8	17.2	13.2	9.5
27	26.4	17.5	15.2	49.5	1,390	E 197	E 32	E 26	37	17.5	13.7	9.7
28	23.1	16.2	15.2	2,210	1,250	E 180	E 117	E 32	53	16.2	15.9	10
29	21.8	15.7	16.2	4,190	1,090	E 164	E 209	E 33	73.5	16.7	13.2	10.4
30	22.7	15.4	14	696		E 126	E 84	E 30	91.6	17	11.6	10.9
31	21.8		14.2	463		E 118		E 33		16.7	10.9	
MEAN	54.4	52.2	43.7	478	2,010	587	74.2	52.8	25.9	16.9	13.8	10.7
	3,350	3,100	2,680	29,380	115,700	36,100	4,410	3,250	1,540	1,040	848	636

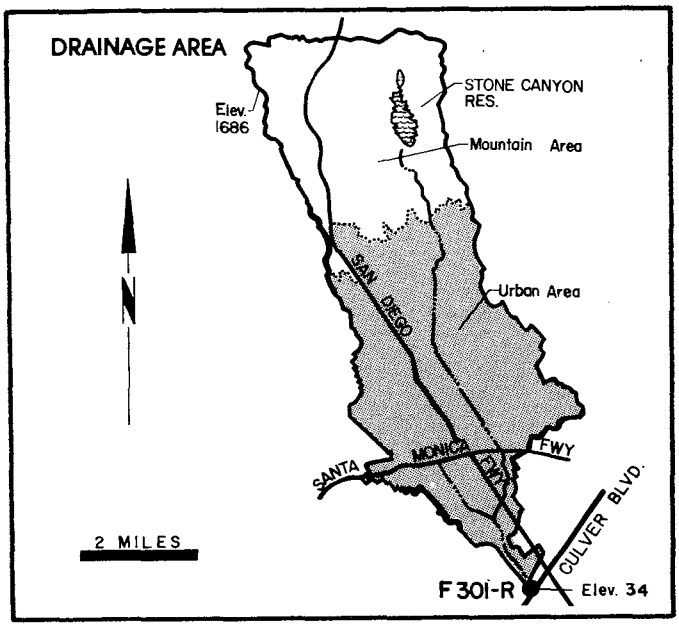
YEAR OR PERIOD MEAN 285
ACRE-FEET 202,000

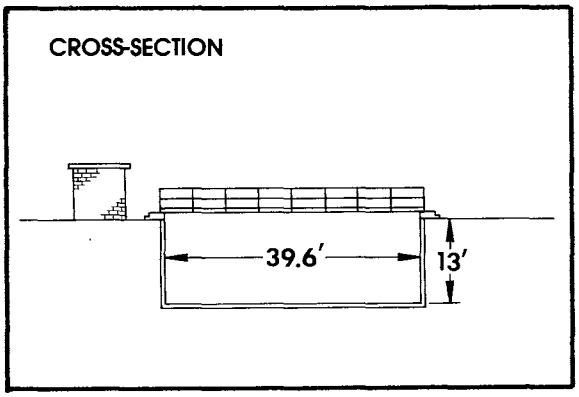
STA. NO. F300-R
LOS ANGELES RIVER AT TUJUNGA AVENUE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1950-51	181	2.6	12.3	8910	1	29	598
1951-52	5360	3.1	101.0	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	100.0	72710	4	3	10800
1958-59	2080	4.8	29.2	21180	1	6	12800
1959-60	1040	4	28.0	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	34.1	24690	2	9	8700
1963-64	1440	3.6	35.4	25730	1	22	7910
1964-65	2020	5	50.4	36490	4	9	7840
1965-66	8990	8.2	126.0	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	355.0	256800	1	25	30800
1969-70	2450	6.4	55.4	40080	3	4	11600
1970-71	9170	7	95.4	69090	11	29	25900
1971-72	2800	7.8	38.0	27520	12	27	11000
1972-73	6470	5.5	101.0	73100	1	18	17900
1973-74	7650	5	73.0	52830	1	7	16100
1974-75	3570	5	57.1	41310	12	4	16740
1975-76	2440	3.7	35.5	25200	2	9	9680
1976-77	2920	1.5	50.9	36850	1	3	15300
1977-78	19200	0.8	454.6	329106	2	10	30100
1978-79	5210	5.5	136.0	98301	3	27	22500
1979-80	9440	8.4	284.9	202020	2	16	27625

SAWTELLE-WESTWOOD CHANNEL
above Culver Boulevard
STATION NO. F301-R







RECORDER- 15 minute punched tape.

METHOD OF MEASUREMENTS- low flows measured by wading. High flows measured from footbridge at station.

DRAINAGE AREA- 22.96 square miles.

LOCATION- on the south channel wall, 141 feet above Culver Boulevard bridge about one and one half miles southwest of Culver City.

REGULATION- Stone Canyon Reservoir, Southern California Water Company spills flow up to 5.0 second-feet into Sawtelle-Westwood Channel above Charnock Road for short periods nearly every day.

CHANNEL- rectangular concrete channel 40 feet wide and 13 feet deep.

CONTROL- channel forms control.

LENGTH OF RECORD- see station summary.

STATION NO. F301-R

DAILY DISCHARGE in second-feet of SAWTELLE-WESTWOOD CHANNEL ABOVE CULVER BLVD. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	2.6	1.6	3.1	3.1	2.1	848	8.7	4.7	5.2	5.2	7.5	4.7
2	3.1	1.0	2.6	3.1	2.1	247	5.2	4.7	6.4	5.2	7.5	4.2
3	3.6	1.6	2.6	41.1	2.1	102	5.2	4.7	6.4	5.2	13	3.6
4	3.6	1.6	2.1	161	1.6	1,340	36.2	5.2	5.2	5.2	4.7	4.2
5	4.2	11.6	3.1	3.6	262	229	4.7	7.5	6.4	6.4	4.7	52.3
6	4.2	3.6	2.1	195	65.4	78.1	27.7	9.9	6.4	5.2	4.7	4.7
7	3.1	3.6	2.6	4.2	144	48.7	5.2	4.7	6.4	6.4	5.2	3.1
8	3.1	3.6	2.6	3.1	209	35	4.2	5.2	6.4	6.4	6.4	3.6
9	3.1	3.1	2.6	265	512	50.4	4.2	5.2	5.2	6.4	5.2	3.6
10	3.1	2.1	2.6	166	431	18.9	4.2	4.7	5.2	5.2	5.2	3.6
11	2.6	2.6	3.1	5.2	15.7	45	4.2	4.7	5.2	5.2	6.4	4.7
12	2.6	2.1	3.6	4.2	386	16.9	4.2	5.2	4.7	5.2	6.4	3.6
13	1.6	2.1	2.6	3.6	103	14.6	4.2	4.7	4.7	5.2	7.5	4.2
14	2.1	3.1	3.1	416	14.6	14.6	4.7	4.7	4.7	5.2	7.5	4.2
15	2.1	3.1	3.1	109	11	14.6	188	4.7	4.7	5.2	6.4	4.2
16	2.1	3.1	3.6	455	6.4	13.4	7.5	4.2	4.7	5.2	16.8	4.2
17	2.6	3.1	86.5	18.3	5.2	13.4	5.2	4.7	4.7	5.2	3.1	4.2
18	2.6	3.1	18.6	6.4	4.7	13.4	4.7	4.7	4.7	4.2	3.1	4.2
19	2.6	2.6	3.1	41.4	4.2	13.4	4.2	5.2	4.7	4.7	3.6	4.2
20	2.6	2.6	2.6	4.2	4.2	11	4.2	4.7	4.7	4.7	3.6	4.7
21	2.6	2.6	6.7	3.6	4.2	30.7	3.6	4.7	19.3	5.2	4.2	4.2
22	2.6	2.6	2.6	3.1	4.2	218	4.2	4.7	15.8	4.2	4.2	3.6
23	2.1	2.6	3.1	3.1	4.7	8.7	3.6	4.7	4.7	4.2	4.7	4.7
24	2.6	2.6	2.6	2.6	4.7	6.4	4.2	4.7	4.7	4.7	6.4	4.7
25	2.6	2.6	41.5	3.1	4.2	5.2	13.6	4.7	4.7	4.2	5.2	5.2
26	2.6	3.1	346	2.6	22.2	5.2	3.6	4.7	4.7	4.7	4.7	6.4
27	2.6	2.6	142	2.6	8.7	6.4	3.6	5.2	4.7	4.7	4.7	6.4
28	2.6	2.6	472	2.6	539	5.2	3.6	5.2	5.2	5.2	4.7	7.5
29	2.1	3.1	6.6	2.6		5.2	3.6	5.2	5.2	7.5	4.7	7.5
30	1.6	3.1	4.7	2.1		41.6	4.2	6.4	5.2	7.5	4.2	7.5
31	1.6		3.6	2.1		76		6.4		11	4.2	
MEAN	2.7	2.9	38.3	62.5	99.2	115	12.8	5.2	6.0	5.5	5.8	6.3
	164	175	2,350	3,850	5,510	7,090	762	319	359	337	358	372

YEAR OR PERIOD MEAN 30.2
ACRE-FEET 21,650

STATION NO. F301-R

DAILY DISCHARGE in second-feet of SAWTELLE-WESTWOOD CHANNEL ABOVE CULVER BLVD. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	7.5	4.7	4.7	5.2	56.1	98.3	3.6	4.7	3.6	4.7	3.6	4.2
2	6.4	4.7	4.2	5.2	89.5	4.2	3.6	5.2	3.6	5.2	4.2	4.2
3	6.4	4.7	4.2	5.2	7.5	3.6	3.6	6.4	3.6	6.4	3.6	4.2
4	5.2	4.7	4.2	6.4	4.7	3.6	3.1	5.2	4.2	4.7	4.7	4.2
5	5.2	4.7	3.6	588	4.7	3.6	3.6	6.4	4.2	6.4	4.2	3.6
6	6.4	5.2	3.6	35.7	4.7	4.2	3.6	6.4	4.7	4.7	4.2	3.6
7	5.2	6.4	4.2	4.2	4.2	4.2	3.6	7.5	4.2	4.7	4.7	4.2
8	5.2	6.4	4.7	3.6	4.2	4.2	3.6	6.4	4.7	4.7	4.2	3.6
9	6.4	5.2	4.7	24.5	4.7	4.7	3.6	5.2	4.7	5.2	3.6	4.7
10	6.4	59.3	5.2	3.6	4.7	4.7	4.2	5.2	4.7	5.2	4.2	4.2
11	6.4	39.7	5.2	3.6	4.2	4.7	4.7	5.2	6.4	5.2	4.2	4.7
12	6.4	3.1	6.4	3.6	4.2	4.7	4.7	5.2	7.5	5.2	3.6	4.7
13	6.4	42	5.2	3.6	41.4	40.9	4.2	6.4	5.2	5.2	4.2	4.2
14	6.4	3.6	6.4	21.2	83.3	4.2	4.7	6.4	4.7	5.2	4.2	4.2
15	8.7	3.6	7.5	349	4.7	6.7	4.7	7.5	6.4	4.7	3.6	4.2
16	11	3.6	8.8	289	4.2	3.6	4.7	5.2	6.4	4.7	3.6	3.6
17	8.7	3.6	54.7	8.7	4.2	119	4.7	3.1	6.4	4.7	3.6	3.6
18	7.5	3.6	180	35.2	4.2	33.8	4.7	2.6	7.5	4.7	3.6	3.6
19	8.7	3.6	35.1	4.7	4.7	29	5.2	2.6	7.5	3.6	3.6	3.6
20	11	3.6	3.6	4.2	81.3	18	5.2	1.6	7.5	4.2	3.6	3.6
21	5.2	98.6	3.6	4.2	217	4.7	6.4	2.1	6.4	3.6	3.6	4.2
22	4.2	65.9	3.6	4.2	30.9	4.7	5.2	2.1	6.4	3.6	3.6	4.2
23	3.6	4.2	3.6	4.2	101	4.2	4.7	2.1	7.5	3.6	3.6	4.2
24	3.6	4.2	3.6	4.2	4.7	3.6	4.7	2.6	6.4	3.6	4.2	3.6
25	3.6	4.2	4.2	4.2	4.2	3.6	4.2	3.6	7.5	3.1	3.6	4.2
26	4.7	3.6	4.2	4.2	4.7	6.5	4.2	2.6	8.7	3.1	3.6	4.2
27	4.7	4.2	4.7	3.6	4.2	566	3.6	3.1	7.5	3.1	4.2	4.2
28	4.2	3.6	4.7	3.6	3.6	171	3.1	3.1	11	3.1	4.2	4.2
29	4.2	3.6	4.7	4.2		70.6	3.6	3.1	9.9	2.6	4.2	6.6
30	5.2	4.2	4.7	200		4.7	4.7	3.6	5.2	3.6	3.6	5.2
31	4.7		4.7	195		4.2		3.1		3.6	3.6	
MEAN	6.1	13.7	13	59	28.3	40.1	4.3	4.4	6.1	4.4	3.9	4.2
	376	818	798	3,630	1,570	2,470	254	269	365	270	240	249

YEAR OR PERIOD MEAN 15.6
ACRE-FEET 11,310

STATION NO. F301-R

DAILY DISCHARGE in second-feet of SAWTELLE-WESTWOOD CHANNEL ABOVE CULVER BLVD. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	5.2	4.7	2.6	4.2	3.6	13.4	6.4	6.4	7.5	6.4	8.7	9.9
2	5.2	4.7	3.1	4.7	3.1	651	7.5	6.4	7.5	6.4	7.5	7.5
3	5.2	5.2	2.1	4.7	3.1	217	7.5	6.4	7.5	6.4	7.5	6.4
4	5.2	5.2	2.1	4.7	3.1	33	7.5	7.5	7.5	6.4	7.5	6.4
5	5.2	6.4	2.6	4.7	3.1	163	6.4	8.7	7.5	6.4	7.5	5.2
6	5.2	5.2	2.6	4.7	3.6	174	6.4	9.9	7.5	6.4	6.4	4.7
7	5.2	31.1	2.6	15.4	3.1	33	7.5	8.7	7.5	6.4	6.4	4.2
8	4.7	28.1	2.6	85.4	3.1	29	8.7	8.7	7.5	6.4	6.4	4.7
9	4.7	3.6	3.1	462	3.1	26.9	7.5	9.9	8.7	7.5	5.2	5.2
10	4.2	3.6	3.6	143	3.1	24.9	7.5	26.2	8.7	8.7	5.2	6.4
11	4.2	3.6	4.2	315	3.6	24.9	8.7	7.5	8.7	8.7	6.4	6.4
12	3.6	3.1	3.1	72.7	3.6	22.9	8.7	7.5	8.7	8.7	6.4	7.5
13	4.2	3.1	3.6	34.7	490	22.9	7.5	7.5	8.7	7.5	6.4	8.7
14	4.7	3.1	3.6	25.5	362	20.9	8.7	7.5	8.7	8.7	6.4	8.7
15	5.2	3.1	3.6	4.7	994	18.9	9.9	8.7	8.7	8.7	7.5	8.7
16	5.2	2.6	3.6	6.4	1,700	16.9	11	9.9	8.7	9.9	6.4	6.4
17	4.7	3.1	4.7	4.2	781	16.9	11	9.9	8.7	9.9	6.4	5.2
18	5.2	3.1	4.2	4.2	703	93.6	9.9	9.9	7.5	9.9	8.7	6.4
19	7.5	2.6	4.2	4.2	453	22.9	8.7	9.9	6.4	9.9	11	6.4
20	113	2.1	4.2	4.2	500	18.9	8.7	9.9	6.4	7.5	9.9	5.2
21	4.7	2.1	8.2	4.2	215	15.7	11	9.9	6.4	8.7	11	6.4
22	4.2	2.2	2.6	4.2	115	14.6	19.5	7.5	6.4	9.9	8.7	7.5
23	4.2	2.1	2.6	4.2	33	14.6	4.7	8.7	6.4	8.7	8.7	7.5
24	4.2	2.1	148	3.6	24.9	14.6	4.7	7.5	6.4	8.7	8.7	6.4
25	4.2	2.1	18.5	4.2	20.9	46.7	5.2	7.5	6.4	7.5	11	6.4
26	4.2	2.1	4.2	3.6	21.9	67.8	5.2	7.5	6.4	7.5	12.2	5.2
27	4.7	2.6	4.2	21	15.7	9.9	5.2	7.5	6.4	7.5	13.4	4.7
28	4.7	2.6	4.2	462	14.6	8.7	52.3	7.5	6.4	8.7	14.6	5.2
29	4.7	2.1	4.2	106	14.6	7.5	6.4	7.5	6.4	7.5	14.6	5.2
30	4.7	2.6	4.2	5.2		7.5	8.7	7.5	6.4	7.5	13.4	5.2
31	4.7		4.2	3.6		7.5		6.4		7.5	12.2	
MEAN	8.3	5.0	8.7	59.1	224	60	9.6	8.8	7.4	8.0	8.8	6.3
	509	297	538	3,630	12,890	3,690	572	540	442	489	540	377

YEAR OR PERIOD MEAN 34.5
ACRE-FEET 24,510

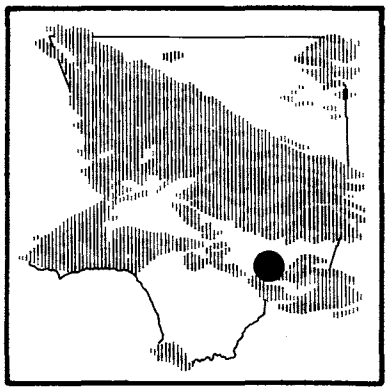
STA. NO. F301-R
SAWTELLE - WESTWOOD CHANNEL ABOVE CULVER BOULEVARD

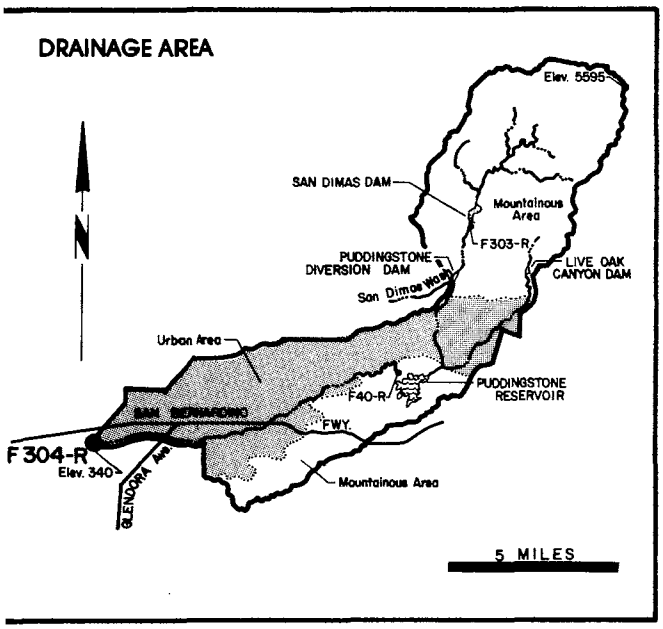
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1951-52A	638	0.1	14.0	10180	1	16	4240
1952-53	233	0.3	3.9	2790	11	11	3150
1953-54	787	0.3	9.6	6960	2	13	4150
1954-55	191	0.2	4.3	3130	1	10	2140
1955-56	1240	0.4	8.9	6450	1	26	3130
1956-57	437	0.5	7.2	5200	2	23	4170
1957-58	448	0.4	11.6	8410	2	25	2970
1958-59	345	0.6	4.8	3440	2	8	2380
1959-60	297	0.3	5.6	4070	4	27	3310
1960-61	204	0.6	3.9	2820	11	5	2950
1961-62	1080	0.6	20.1	14520	2	12	7250E
1962-63	511	1	7.3	5300	3	28	2590
1963-64	196	1	5.9	4270	1	21	3500
1964-65	365	0.1	8.4	6070	4	9	4240
1965-66	848	0.1	13.2	9550	11	22	4140
1966-67	524	0.6	13.5	9770	1	22	3610
1967-68	1090	0.6	12.5	9040	11	21	6560
1968-69	1370	2	24.7	17870	2	6	6840
1969-70	227	1	7.7	5570	11	6	2300
1970-71	752	2	12.3	8920	11	29	6980
1971-72	520	1.6	8.2	5940	12	27	5726
1972-73	659	1	16.8	11890	1	6	4970
1973-74	1010	2.1	16.1	11700	1	7	3390
1974-75	678	1	13.6	9080	12	4	7700
1975-76	285	1	7.2	5180	2	6	2150
1976-77	513	1.6	10.4	7490	5	8	2820
1977-78	1340	1	29.9	21650	2	10	11700
1978-79	588	1.6	15.6	11309	3	17	4110
1979-80	1700	2.1	34.5	24510	2	15	12700

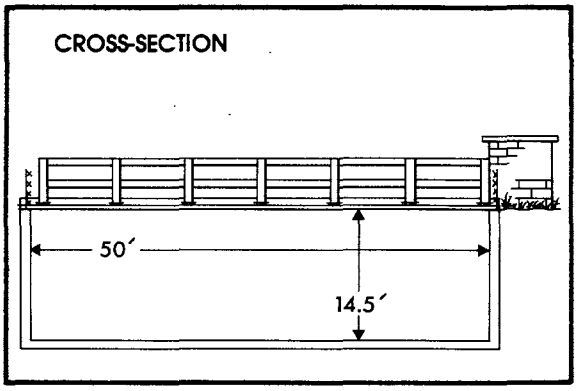
A = RECORD BEGAN JANUARY 22, 1951. PRIOR RECORDS AT STATION F185-R SEPULVEDA CREEK AT CHARNOCK ROAD, FOR THE PERIODS SEPTEMBER 15, 1932 TO MARCH 3, 1937; AUGUST 11, 1937 TO MARCH 2, 1938; AND JULY 7, 1938 TO MAY 29, 1950. FROM MAY 29, 1950 TO JANUARY 22, 1951, NO RECORD WAS OBTAINED DUE TO CHANNEL CONSTRUCTION.

E = ESTIMATE

WALNUT CREEK
above Puente Avenue
STATION NO. F304-R







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.

STATION NO. F304-R

DAILY DISCHARGE in second-feet of WALNUT CREEK AT PUENTE AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	+	0	0.1	8.6	28.6	926	30.9	5.6	2.1	0.6	3.3	0.6
2	+	+	0.1	6.5	24	1,280	33.2	8.6	1.6	0.6	2.7	0.6
3	+	+	0.1	19.3	24	834	24	6.5	1.6	0.6	2.7	0.6
4	+	+	0.1	439	30.9	1,970	64.7	5.6	1.6	0.4	2.1	0.6
5	+	26.7	0.2	159	80.8	1,560	42.4	10.1	1.6	0.4	2.1	117
6	+	1.6	0.2	111	44.1	1,170	93.8	7.5	1.2	0.6	2.1	57.3
7	+	1.6	0.9	61.5	192	848	89.1	7.5	1.2	0.6	2.1	14.8
8	+	1.6	0.2	61.5	177	608	44.7	7.5	1.2	0.6	1.6	3.3
9	+	0.9	0.2	192	962	541	44.7	8.6	0.9	0.6	1.6	3.3
10	+	0.4	0.1	264	491	387	40.1	8.6	0.9	0.6	1.6	2.7
11	+	0.6	0.1	86.5	284	201	33.2	7.5	0.9	0.6	1.2	2.7
12	0.1	0.4	0.1	79.5	650	146	33.2	7.5	0.6	0.6	1.2	2.7
13	0.1	0.2	0.2	79.5	299	134	33.2	7.5	0.6	0.6	1.6	3.3
14	+	0.4	0.1	270	213	100	33.2	7.5	0.9	0.6	1.6	2.7
15	0.2	0.6	0.1	249	181	97	146	7.5	0.6	0.6	1.2	2.7
16	+	0.4	0.1	585	150	115	52.8	8.6	0.6	2.1	2.1	2.7
17	+	0.4	79.4	119	150	164	35.5	7.5	0.9	0.9	2.1	2.7
18	+	0.2	88.5	70.2	150	223	11.7	7.5	0.9	0.9	1.6	2.7
19	+	0.6	2.7	76.6	150	223	11.7	7.5	0.9	1.2	2.1	3.3
20	0.9	0.4	0.2	13.2	150	154	11.7	3.3	1.2	0.9	1.6	3.3
21	0.9	0.2	1.6	8.6	150	140	8.6	2.7	0.9	1.2	1.6	2.7
22	0.4	0.2	0.1	7.5	146	281	4.8	3.3	0.9	0.9	1.6	2.7
23	+	0.2	9.3	7.5	75	93.5	4.0	6.5	0.9	1.2	2.1	2.7
24	+	0.2	+	8.6	8.6	93.5	4.0	3.3	0.9	1.2	1.6	2.7
25	+	0.2	15.5	8.6	8.6	93.5	4.8	2.1	0.6	1.2	1.6	2.7
26	+	0.2	211	10.1	10.1	90	4.8	2.1	0.6	1.2	2.1	2.7
27	+	0.4	56.5	13.2	37.7	90	4.0	2.1	1.6	1.2	2.1	2.7
28	+	0.2	352	13.2	525	86.5	4.0	2.1	1.2	1.2	1.6	2.7
29	0	0.2	8.6	13.2		45.2	4.8	2.1	0.9	4.0	1.6	2.7
30	0	0.1	20.3	17.8		35.4	5.6	2.7	0.6	3.3	1.2	1.6
31	0		5.6	33.2		117		2.1		2.7	0.6	
MEAN	0.1	1.3	27.6	99.8	193	414	32	5.8	1.0	1.1	1.8	8.5
	5.2	77.6	1,690	6,130	10,700	25,480	1,900	355	61.7	67.2	111	507

YEAR OR PERIOD MEAN 65.5
ACRE-FEET 47,080

STATION NO. F304-R

DAILY DISCHARGE in second-feet of WALNUT CREEK AT PUENTE AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	2.1	0.9	0.2	+	81.8	123	52.8	16.3	0.4	0.9	0	0.1
2	1.6	0.2	+	0	141	16.3	70.2	20.9	0.4	0.6	0	+
3	1.6	+	0	0	61.5	16.3	70.2	17.8	1.2	0.9	0	0.2
4	1.6	0.1	+	+	58.6	13.2	70.2	13.2	1.2	1.2	0	0.1
5	1.6	+	+	185	47	7.5	67.3	11.7	0.9	0.9	0	0.4
6	1.6	+	0	123	22.5	5.6	70.2	13.2	0.9	0.6	+	0.1
7	1.6	+	0	1.2	11.7	6.5	70.2	8.6	3.3	0.4	0.4	0.1
8	1.6	+	0	0.4	4.0	6.5	73.1	0.9	1.6	1.6	0.4	0.1
9	1.2	0.2	+	3.0	16.3	5.6	73.1	0.4	0.9	0.6	0.2	0.4
10	2.1	12.4	0	0	17.8	0.9	70.2	0.4	0.9	0.2	0.2	0.2
11	1.6	37	+	+	17.8	0.9	58.6	0.6	0.9	+	0.2	0.2
12	1.6	0.4	0	+	17.8	0.9	13.2	0.4	1.2	0	0.9	0.1
13	1.6	16.7	0	+	19.4	34.5	2.7	0.4	0.2	0	1.6	0.2
14	1.6	0.6	0	35.2	43.7	3.3	2.1	1.6	0.6	+	0.6	0.4
15	1.6	0.4	0	272	16.3	2.7	2.7	2.7	0.6	+	0.1	0.4
16	1.6	0.1	+	34.4	7.5	2.7	2.7	1.2	0.9	+	0.1	0.2
17	2.1	0.4	267	16.3	0.6	67.4	2.7	0.6	1.6	0	0.9	0.4
18	1.6	+	237	7.6	+	140	2.7	0.9	1.2	0	0.2	0.2
19	2.1	+	70.4	0.1	0.4	163	2.7	0.4	0.2	0	0.2	0.4
20	3.3	+	0.1	+	46.4	6.5	16.3	1.2	0.2	0	0.1	0.2
21	1.2	146	0	0	308	4.0	16.3	2.7	0.2	+	0.1	0.2
22	0.6	11.3	0	0.1	21.6	2.7	16.3	1.2	0.6	+	0.6	0.4
23	0.9	1.2	0	2.7	65	3.3	11.7	0.6	0.2	0	0.2	0.6
24	0.9	25	+	2.7	20.9	2.7	1.2	0.6	0.6	0	0.2	0.4
25	0.9	0.6	0	0.9	20.9	2.7	4.8	0.4	0.6	0	0.2	0.2
26	0.9	+	+	7.5	19.4	4.8	11.7	0.6	1.2	0	1.2	0.2
27	1.6	0.1	0.1	10.1	16.3	714	13.2	0.6	0.9	0	0.2	0.2
28	0.1	0	+	14.8	16.3	219	13.2	1.6	0.9	0	0.2	0.2
29	0.1	0	0	13.2		152	14.8	0.4	1.2	0	0.2	1.6
30	0.6	0	0	290		73.1	16.3	0.6	1.2	0	0.1	0.1
31	0.4		0	411		49.9		0.6		0	0.1	
MEAN	1.4	8.5	18.5	46.2	40	59.7	30.4	4.0	0.9	0.3	0.3	0.3
	86.3	503	1,140	2,840	2,220	3,670	1,810	245	53.4	15.7	18.6	16.9

YEAR OR PERIOD MEAN 17.5
ACRE-FEET 12,620

STATION NO. F304-R

DAILY DISCHARGE in second-feet of WALNUT CREEK AT PUENTE AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.1	0.4	0.2	0.9	58.6	52.8	30.9	0.9	4.0	4.8	0.6	0.9
2	0.1	0.4	0.4	0.9	58.6	347	33.2	0.2	1.2	6.5	1.2	0.6
3	0.4	0.4	0.4	1.6	55.7	327	30.9	0.9	1.2	2.7	0.6	0.6
4	0.4	0.4	0.2	1.6	58.6	119	28.6	0.6	1.2	0.4	0.6	0.6
5	0.1	0.4	0.2	1.6	40.1	212	28.6	0.4	1.2	0.6	2.7	0.6
6	0.4	0.4	0.4	1.6	28.6	287	30.9	0.4	0.9	0.9	2.7	0.4
7	+	7.8	0.4	9.6	16.3	123	30.9	0.6	1.2	3.3	2.7	0.4
8	0.2	2.1	0.4	4.5	8.6	115	33.2	4.0	1.2	4.8	2.1	0.4
9	+	0.9	0.4	309	20.9	111	33.2	4.0	1.2	2.7	0.9	0.4
10	1.2	0.6	0.6	99.8	19.4	64.7	26.3	27.6	0.9	0.4	0.9	0.4
11	+	0.4	0.4	204	19.4	7.5	2.7	14.8	1.2	0.4	0.9	0.2
12	0	0.6	0.2	25.1	19.4	7.5	0.4	10.1	1.2	0.4	0.6	0.2
13	+	0.4	0.4	87.1	432	6.5	0.9	5.6	1.2	0.4	0.9	0.2
14	0	0.4	0.6	37.4	887	5.6	0.6	8.6	1.2	3.3	1.2	0.2
15	0	0.4	0.4	4.0	1,280	5.6	2.1	10.1	1.2	4.0	0.9	0.4
16	+	0.2	0.2	4.0	2,490	5.6	1.6	11.7	1.2	4.0	0.6	0.4
17	+	+	0.2	32.5	1,360	8.6	5.6	13.2	1.2	4.0	0.6	0.4
18	+	0.1	0.2	21.4	2,080	98.1	6.5	11.7	1.2	4.0	0.6	0.4
19	3.4	+	0.2	4.8	941	79.5	8.6	13.2	1.6	4.8	0.6	1.2
20	127	+	0.2	4.0	791	76	8.6	14.8	2.7	4.8	0.4	0.9
21	0.9	+	9.7	4.0	613	52.8	11.7	14.8	4.8	4.0	0.6	1.2
22	0.9	+	0.9	4.0	604	33.2	16.3	6.5	4.8	2.1	0.6	1.6
23	0.9	0.2	0.9	4.0	403	30.9	14.8	4.8	6.5	0.6	0.6	1.6
24	0.9	0.1	16.9	2.7	325	33.2	13.8	4.0	5.6	0.6	0.6	1.6
25	0.9	0.1	2.7	1.6	90	61.9	16.3	3.3	5.6	4.0	0.4	1.6
26	0.6	0.2	0.4	1.6	97	61.7	16.3	4.0	4.8	4.0	0.9	1.6
27	0.9	0.2	0.6	2.1	92.3	30.9	16.3	4.0	4.0	4.8	1.6	1.6
28	0.9	0.1	0.9	652	12.5	30.9	18.8	4.8	0.6	3.3	2.1	1.6
29	0.6	0.1	0.9	1,100	42.4	30.9	0.9	3.3	8.6	2.1	1.2	1.6
30	0.4	0.2	0.9	165		30.9	2.7	0.9	4.0	0.9	0.9	1.2
31	0.6		0.9	58.6		30.9		2.7		0.6	0.9	
MEAN	4.6	0.6	1.4	92	446	80.2	15.7	6.7	2.6	2.7	1.1	0.8
	281	34.7	83.9	5,650	25,670	4,930	937	410	154	167	64.9	49.6

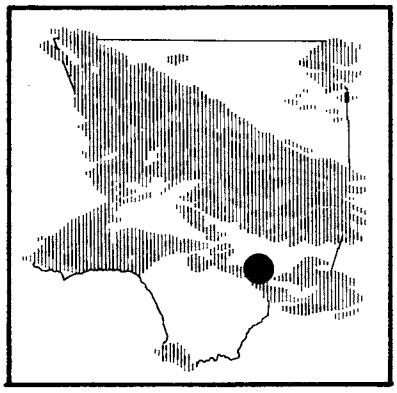
YEAR OR PERIOD MEAN 54.5
ACRE-FEET 38,430

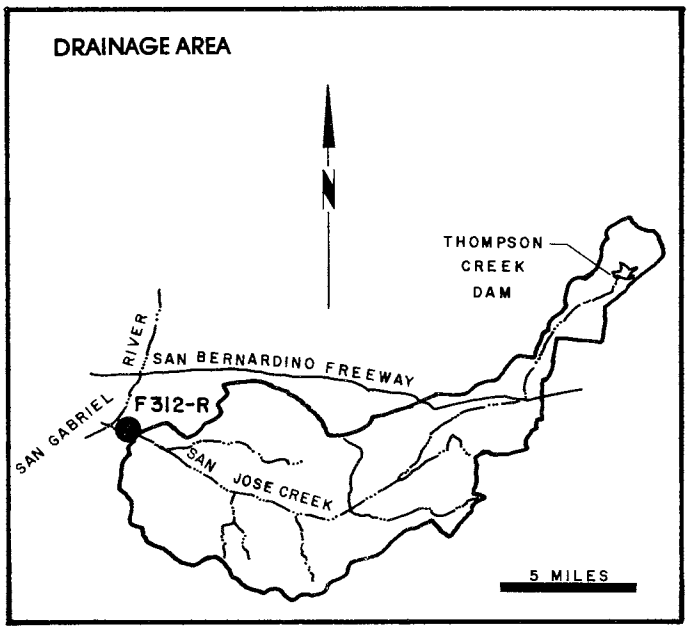
STA. NO. F304-R
WALNUT CREEK AT PUENTE AVENUE

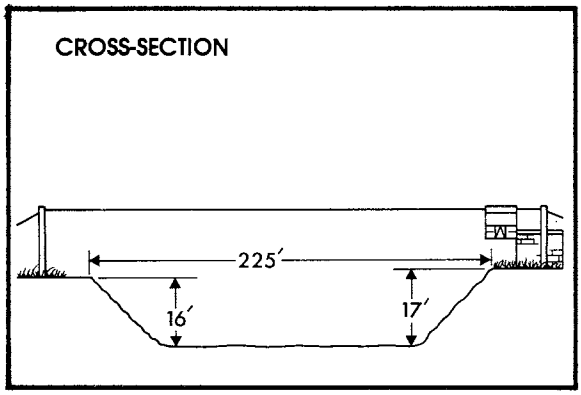
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1952-53	47	0	0.4	292	12	1	713
1953-54	297	0	34.9	25290	2	13	1500
1954-55	337	0	29.9	21640	1	18	732
1955-56	1120	0	68.5	49730	1	26	3450
1956-57	361	0	71.2	51530	2	28	2200
1957-58	494	0	11.7	8490	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
1972-73	591	0	9.5	6920	1	16	2730
1973-74	749	0.1	9.2	6670	1	7	2020
1974-75	551	+	7.1	5170	12	4	4200
1975-76	255	+	3.9	2800	9	10	1200
1976-77	295	0	5.4	3939	5	9	1920
1977-78	1970	0	65.0	47085	3	4	7820
1978-79	714	0	17.4	12619	3	27	3020
1979-80	2490	0	54.5	38432	2	16	6280

\+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.
* = RECORD INCOMPLETE

SAN JOSE CHANNEL
above Workman Mill Road
STATION NO. F312-R







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.

STATION NO. F312-R

DAILY DISCHARGE in second-feet of SAN JOSE CHANNEL ABOVE WORKMAN MILL ROAD — FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	8.0	7.0	3.5	13.4	8.6	2,610	32.7	19.8	9.4	11	11.8	11.8
2	8.0	7.0	6.3	12.6	8.6	1,140	38	17.4	8.6	11	10.2	12.6
3	8.0	7.0	6.3	47	8.6	135	19.8	16.2	9.4	11	11	12.6
4	8.0	8.0	7.8	944	8.6	2,740	42.2	15	10.2	11	10.2	12.6
5	7.0	27.5	7.8	40	131	883	19.8	16.2	10.2	10.2	11.8	188
6	5.0	13	7.0	201	42	119	64.3	15	7.8	10.2	13.4	47.4
7	7.0	10	7.8	16.2	378	62.7	126	15	9.4	9.4	12.6	22.2
8	9.0	10	8.6	13.4	401	45.8	25.8	15	9.4	9.4	11	18.6
9	10	10	7.8	371	2,250	32.6	21	15	9.4	11	11.8	15
10	9.0	10	8.6	879	901	28.4	19.8	14.2	11.8	11.8	11.8	13.4
11	8.0	11.3	9.4	21.1	24.6	80.9	18.6	13.4	11	11	12.6	11
12	8.0	10	8.6	11	1,020	33.2	18.6	12.6	10.2	11	12.6	10.2
13	8.0	10	7.0	9.4	149	24.6	18.6	12.6	9.4	10.2	11.8	10.2
14	9.0	11.3	6.3	864	15	24.6	17.4	12.6	8.8	9.4	11.8	10.2
15	9.0	10	7.0	509	11	23.4	223	12.6	9.4	11	10.2	10.2
16	9.0	10	7.8	1,120	10.2	22.2	29.7	12.6	9.4	10.2	10.2	10.2
17	9.0	10	81.5	57.1	8.6	21	19.8	12.6	10.2	8.6	10.2	11
18	7.0	10	233	13.4	7.0	21	17.4	11.8	10.2	9.4	10.2	11
19	9.0	11.3	11	120	7.0	21	17.4	11	9.4	9.4	11	10.2
20	9.0	10	7.8	11.8	6.3	21	17.4	11.8	8.6	9.4	11	10.2
21	10	9.0	17.6	10.2	7.0	36.3	17.4	11.8	8.6	10.2	10.2	9.4
22	9.0	9.0	9.4	9.4	6.3	328	17.4	11.8	9.1	10.2	9.4	8.6
23	10	9.0	22.8	8.6	6.3	23.4	17.4	11.8	9.6	11	8.6	10.2
24	10	10	10.2	7.0	6.3	21	16.2	10.2	10.2	10.2	10.2	11
25	8.0	9.0	52.3	8.6	6.3	21	17.4	11	11	8.6	11.8	9.4
26	9.0	9.0	832	8.6	6.3	19.8	16.2	11	11	9.4	11	7.8
27	8.0	9.0	117	7.8	24.4	19.8	16.2	11	11	11	11	8.6
28	9.0	9.0	1,330	8.6	1,040	21	16.2	11	11	11.8	11	7.8
29	9.0	8.0	36.5	8.6		21	17.4	10.2	11	13.4	9.4	8.6
30	9.0	9.0	26.3	8.6		35.3	17.4	9.4	11	14.2	10.2	9.4
31	10		13.4	11		140		11		13.4	11	
MEAN	8.5	10.1	94.1	173	232	283	32.5	13	9.9	10.6	11	18.3
	526	602	5,790	10,650	12,890	17,410	1,940	799	587	653	676	1,090

YEAR OR PERIOD — MEAN 74.7 — ACRE-FEET 53,610

STATION NO. E312-R

DAILY DISCHARGE in second-feet of SAN JOSE CHANNEL ABOVE WORKMAN MILL ROAD FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	10.2	10.2	12.3	5.6	418	176	23.4	19.8	16.2	17.4	15	15
2	10.2	11	8.6	6.3	226	21.7	22.2	29.8	18.6	16.2	16.2	15
3	9.4	11	7.8	6.3	92.7	19.8	19.8	21	17.4	14.2	15	15
4	9.4	10.2	7.8	7.0	55.4	18.6	18.6	22.2	17.4	16.2	16.2	13.4
5	9.4	10.2	8.6	445	39.6	18.6	17.4	22.2	15	16.2	16.2	13.4
6	9.4	10.2	7.8	461	32.6	18.6	16.2	21	16.2	16.2	15	13.4
7	10.2	8.6	7.8	11	28	17.4	14.2	21	17.4	16.2	15	13.4
8	10.2	8.6	7.8	11	25.8	17.4	13.4	21	16.2	16.2	13.4	14.2
9	10.2	9.4	7.8	18.1	25.8	17.4	13.4	19.8	16.2	15	12.6	14.2
10	9.4	34.1	7.8	12.6	24.6	16.9	11.8	19.8	17.4	14.2	12.6	14.2
11	7.8	76.1	7.8	11	23.4	17.4	11	19.8	15	14.2	14.2	11.8
12	7.0	19.7	8.6	11	22.2	16.2	9.3	19.8	15	16.2	16.2	12.6
13	7.8	38.5	10.2	10.8	22.2	68.1	8.6	19.8	14.2	17.4	16.2	13.4
14	9.4	10.2	9.4	52.6	64.2	19.8	7.8	19.8	14.2	16.2	14.2	13.4
15	9.4	8.6	8.6	844	17.4	17.4	7.0	19.8	16.2	18.6	14.2	14.2
16	9.4	9.4	15.3	64.4	17.4	15	6.3	19.8	17.4	17.4	13.4	14.2
17	7.8	9.4	684	32.8	17.4	140	7.0	19.8	17.4	16.2	13.4	14.2
18	8.6	8.6	378	51.7	18.6	404	14.2	18.6	17.4	15	14.2	12.6
19	7.8	8.6	59.7	50.1	19.8	475	22.2	18.6	15	15	15	11.8
20	12.6	8.6	11.8	18.6	31.3	42.8	21	19.8	15	15	15	12.6
21	9.4	474	7.8	17.4	528	17.4	21	19.8	15	17.4	14.2	13.4
22	10.2	40.9	7.8	17.4	45.8	16.2	21	18.6	16.2	16.2	13.4	15
23	7.8	10.2	7.0	16.2	141	15	21	16.2	18.6	16.2	12.6	15
24	10.2	8.5	7.0	16.2	19.8	14.2	21	17.4	17.4	15	12.6	14.2
25	10.2	13	7.0	15	19.8	13.4	21	16.2	17.4	15	12.6	11
26	11	7.8	7.0	13.4	21	13.4	21	17.4	16.2	15	13.4	11.8
27	11.8	8.6	7.0	13.4	21	1,440	21	17.4	16.2	14.2	13.4	11.8
28	10.2	8.6	6.3	27.3	21	359	21	17.4	15	16.2	12.6	12.6
29	10.2	7.8	6.3	14.2		81	21	17.4	16.2	16.2	13.4	14.2
30	16.5	8.6	6.3	223		31.2	21	17.4	16.2	15	14.2	15
31	10.2		6.3	2,420		25.8		17.4		15	13.4	
MEAN	9.8	30.3	43.7	159	72.8	116	16.5	19.5	16.3	15.8	14.2	13.5
	602	1,800	2,680	9,770	4,050	7,110	981	1,200	970	973	871	805

YEAR OR PERIOD MEAN 43.9
ACRE-FEET 31,810

STATION NO. E312-R

DAILY DISCHARGE in second-feet of SAN JOSE CHANNEL ABOVE WORKMAN MILL ROAD FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	14.2	11.8	7.0	6.3	74.1	55.4	29.8	28.4	21	19.8	18.6	21
2	13.4	11	7.0	7.0	64.6	711	28.4	25.8	21	19.8	18.6	21
3	12.7	11	7.0	6.3	57	672	27	25.8	21	22.2	19.8	21
4	11.8	11.8	7.8	6.3	53.8	79.1	28.4	25.8	21	22.2	19.8	19.8
5	11	11	7.0	6.3	44.7	299	28.4	27	19.8	22.2	19.8	18.6
6	11.8	10.3	7.8	6.3	31.2	525	28.4	25.8	19.8	19.8	18.6	21
7	11.8	19.5	7.8	18.9	31.2	74.1	27	25.8	19.8	19.8	18.6	23.4
8	11.8	11	7.0	10.2	29.8	70.3	27	25.8	19.8	18.6	18.6	22.2
9	11	10.2	7.0	780	31.2	60.8	27	25.8	19.8	18.6	18.6	21
10	9.4	10.2	7.0	73.1	31.2	70.4	25.8	49.4	19.8	18.6	18.6	21
11	10.2	10.2	7.0	621	31.2	58.9	27	25.8	19.8	18.6	18.6	21
12	10.2	10.2	7.0	54.6	31.2	47.4	25.8	27	18.6	18.6	17.4	22.2
13	10.2	9.4	6.3	120	1,280	44.2	27	28.4	19.8	19.8	17.4	22.2
14	10.2	9.4	7.0	41.8	1,690	42.6	25.8	27	19.8	19.8	18.6	22.2
15	11	9.4	6.3	13.4	1,400	41	25.8	28.4	19.8	18.6	17.4	23.4
16	10.2	9.4	7.0	11.8	3,150	39.6	24.6	27	19.8	17.4	18.6	21
17	9.4	11.8	7.0	15.8	1,380	38.2	24.6	28.4	19.8	17.4	19.8	22.2
18	10.2	9.4	7.0	108	2,790	80	24.6	28.4	18.6	18.6	19.8	22.2
19	19.2	8.6	7.0	7.0	564	38.2	25.8	28.4	19.8	19.8	17.4	21
20	274	8.6	7.0	6.3	654	35.4	25.8	28.4	19.8	19.8	17.4	24.6
21	17.4	8.6	19.2	6.3	359	34	27	29.8	19.8	19.8	17.4	23.4
22	16.2	8.6	7.0	6.3	145	32.6	35.4	27	19.8	17.4	17.4	47.2
23	15	7.8	6.3	6.3	107	31.2	27	25.8	21	17.4	18.6	68.4
24	14.2	7.8	32	6.3	103	34	27	24.6	18.6	17.4	18.6	82
25	13.4	7.8	13.4	6.3	90	80.6	25.8	23.4	18.6	17.4	18.6	92
26	13.4	7.8	8.6	6.3	78	84.7	25.8	22.2	18.6	18.6	17.4	62.7
27	13.4	7.8	7.0	7.0	66.5	31.2	25.8	22.2	18.6	18.6	17.4	64.6
28	13.4	7.8	6.3	1,560	62.7	29.8	43	19.8	19.8	19.8	18.6	62.7
29	11.8	7.0	6.3	1,750	58.9	29.8	25.8	19.8	21	18.6	19.8	78
30	11.8	7.0	6.3	69.1		28.4	28.4	19.8	21	19.8	21	103
31	11.8		6.3	72.2		28.4		19.8		21	19.8	
MEAN	20.8	9.7	8.4	175	500	114	27.5	26.3	19.8	19.2	18.6	37.2
	1,280	580	515	10,740	28,740	7,000	1,640	1,620	1,180	1,180	1,140	2,210

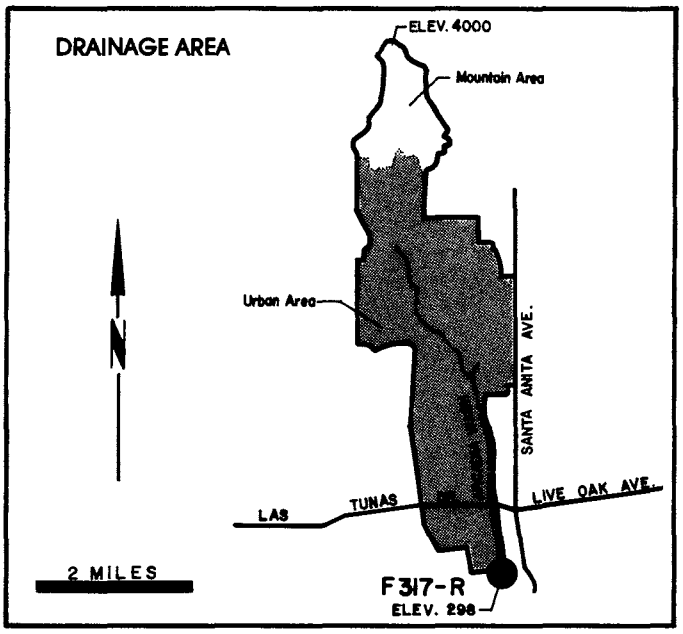
YEAR OR PERIOD MEAN 81.4
ACRE-FEET 57,830

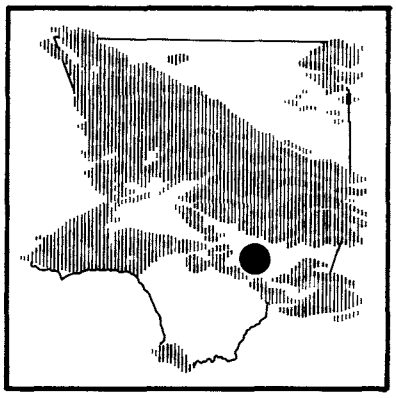
STA. NO. F312-R
SAN JOSE CHANNEL ABOVE WORKMAN MILL ROAD

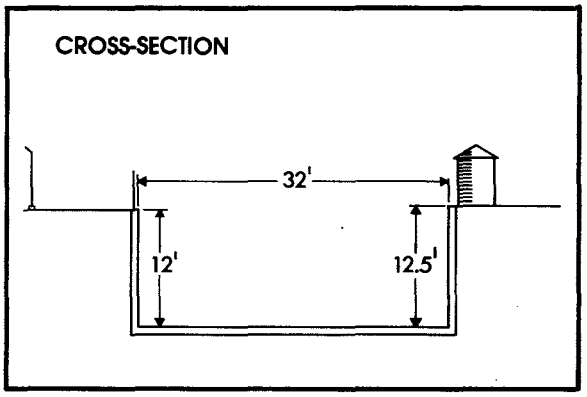
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1955-56	1830	0	5.6	4070	1	26	5180
1956-57	190	0	1.1	795	3	1	1410
1957-58	1210	0	19.4	14060	4	7	3990
1958-59	487	0	4.4	3210	1	6	2720
1959-60	253	0	4.7	3430	4	27	1380
1960-61	103	0	0.6	403	1	26	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	6.4	24.6	17870	3	8	10100
1968-69	4370	9.3	73.2	52980	2	25	9710
1969-70	898	8	28.7	20490	3	4	3930
1970-71	1180	5	22.4	16190	12	21	4400
1971-72	988	3.9	17.4	12650	12	24	3720
1972-73	1820	7	38.4	27830	2	13	6440
1973-74	1970	8	33.3	24060	1	4	4900
1974-75	1260	5.2	64.4	46650	12	4	9620
1975-76	1200	5	25.6	18310	9	10	5000
1976-77	816	3	23.2	16820	8	17	3580
1977-78	2740	5	74.0	53613	3	4	11100
1978-79	2420	5.6	43.9	31812	1	31	7330
1979-80	3150	6.3	81.4	57830	2	18	13000

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

ARCADIA WASH
below Grand Avenue
STATION NO. F317-R







RECORDER- 15 minute punched tape.
METHOD OF MEASUREMENTS- low flows measured by wading. High flows measured from upstream side of Grand Avenue bridge.
DRAINAGE AREA- 8.5 square miles.
LOCATION- on the west wall of Arcadia Wash about 75 feet downstream from centerline of Grand Avenue.
REGULATION- several debris basins located upstream.
CHANNEL- rectangular concrete.
LENGTH OF RECORD- December 12, 1955 to date.

STATION NO. F317-R

DAILY DISCHARGE in second-feet of ARCADIA WASH BELOW GRAND AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.4	0.7	0.3	0.5	0.2	355	1.8	0.7	0.9	0.9	0.7	0.4
2	0.7	0.5	0.3	0.4	0.3	88.5	1.2	0.7	0.9	0.9	0.7	0.4
3	0.5	0.5	0.4	13.1	0.3	23.5	0.9	0.9	0.7	0.9	0.7	0.4
4	0.5	0.7	0.3	56.5	0.4	257	25.1	1.2	0.9	0.9	0.7	0.4
5	0.5	10.6	0.4	1.8	30.6	76.9	1.2	0.7	0.9	0.9	0.7	31.1
6	0.7	0.4	0.4	27.5	20.5	10.9	35.9	0.7	0.9	1.2	0.7	11.9
7	0.5	0.4	0.4	0.5	44	8.2	6.9	0.7	0.9	1.2	0.7	0.4
8	0.4	0.4	0.4	0.3	64	6.4	1.8	0.7	0.9	1.2	0.7	0.4
9	0.4	0.3	0.4	59.7	291	5.5	0.9	0.7	0.9	0.9	0.5	0.4
10	0.5	0.2	0.4	85.9	161	4.6	0.9	0.7	0.9	1.2	0.7	0.4
11	0.4	0.2	0.4	0.9	3.1	14.1	0.9	0.7	0.7	0.9	0.7	0.5
12	0.5	0.2	0.4	0.4	111	3.1	1.2	0.7	0.9	0.7	0.7	0.4
13	0.5	0.2	0.5	0.4	30.7	2.1	1.2	0.7	0.7	0.7	0.7	0.5
14	0.5	0.2	0.4	136	2.1	1.8	0.9	0.7	0.9	0.7	0.7	0.4
15	0.5	0.3	0.5	64.5	1.4	1.4	99.3	0.9	1.4	0.7	0.5	0.5
16	0.5	0.2	0.4	164	1.2	1.4	1.8	0.9	1.2	0.7	0.5	0.5
17	0.5	0.3	17.9	2.3	1.2	1.4	1.2	0.9	0.9	0.7	0.5	0.5
18	0.5	0.3	26.8	0.7	0.9	1.4	1.2	1.2	0.9	0.7	0.5	0.4
19	0.5	0.2	0.5	22.8	0.7	1.2	1.2	1.4	0.9	0.7	0.4	0.4
20	0.4	0.3	0.3	0.4	0.7	1.2	0.9	1.2	1.2	0.7	0.4	0.5
21	0.5	0.2	1.3	0.3	0.7	23.2	0.9	1.4	0.9	0.7	0.5	0.5
22	0.5	0.2	0.3	0.3	0.7	47.2	1.2	1.4	1.2	0.5	0.5	0.5
23	0.5	0.3	10.2	0.3	0.7	1.4	1.2	1.4	1.2	0.7	0.5	0.5
24	0.5	0.2	0.7	0.2	0.7	1.2	1.2	1.2	1.2	0.7	0.5	0.7
25	0.5	0.3	15.3	0.2	0.7	0.9	4.6	1.2	0.9	0.7	0.5	0.5
26	0.5	0.4	127	0.2	0.9	0.9	1.2	1.2	0.9	0.7	0.5	0.5
27	0.5	0.3	58.3	0.2	1.2	1.2	0.9	1.2	0.9	0.5	0.5	0.5
28	0.5	0.3	212	0.2	160	0.9	0.9	1.2	0.9	0.7	0.7	0.5
29	0.4	0.3	5.7	0.2		0.9	0.9	1.2	0.9	0.7	0.7	0.7
30	0.4	0.3	1.2	0.4		14.1	1.2	1.2	1.2	0.7	0.5	0.5
31	0.5		0.7	6.6		32.6		0.9		0.7	0.5	
MEAN	0.5	0.7	15.6	20.9	33.2	31.9	6.7	1.0	1.0	0.8	0.6	1.9
	30.1	39.5	961	1,280	1,850	1,960	398	60.5	56.9	49	36.3	111

YEAR OR PERIOD - MEAN 9.6
ACRE-FEET 6,830

STATION NO. F317-R

DAILY DISCHARGE in second-feet of ARCADIA WASH BELOW GRAND AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.5	0.4	1.9	0.3	27.6	42.7	1.8	2.6	1.2	0.5	0.5	0.7
2	0.7	0.4	0.4	0.3	31.8	1.8	1.4	2.6	1.2	0.5	0.5	0.5
3	0.5	0.4	0.4	0.3	1.4	1.4	1.4	2.6	1.2	0.5	0.4	0.5
4	0.7	0.4	0.3	1.0	0.7	1.2	1.2	2.6	1.2	0.4	0.4	0.5
5	0.5	0.4	0.2	128	0.7	1.4	1.2	2.6	1.2	0.4	0.4	0.9
6	0.5	0.4	0.2	12.7	0.5	1.4	0.9	2.6	1.2	0.4	0.5	0.7
7	0.5	0.4	0.3	0.5	0.7	1.2	0.9	1.4	1.2	0.4	0.5	0.9
8	0.5	0.4	0.3	0.5	0.7	1.2	0.7	0.7	0.9	0.4	0.5	0.7
9	0.5	0.4	0.3	7.4	0.9	1.2	2.1	0.7	0.9	0.5	0.4	0.7
10	0.5	14.6	0.4	0.4	0.7	1.2	3.6	0.5	0.9	0.4	0.4	0.9
11	0.5	38.2	0.4	0.4	0.7	0.9	3.6	0.5	0.9	0.4	0.5	0.7
12	0.7	0.7	0.4	0.7	0.7	1.4	3.1	0.5	0.9	0.4	0.5	0.5
13	0.7	10.5	0.4	1.2	3.8	27.1	3.1	0.5	0.9	0.5	0.5	0.5
14	0.5	0.9	0.4	17.4	18.3	7.0	3.1	0.7	0.7	0.4	0.5	0.5
15	0.5	0.4	0.4	91.2	1.2	3.3	3.1	0.7	0.9	0.4	0.5	0.5
16	0.7	0.3	1.9	40.8	1.2	8.4	3.1	0.7	0.7	0.4	0.5	0.5
17	0.5	0.4	72.6	4.6	1.2	34.4	2.6	0.7	0.5	0.4	0.7	0.7
18	0.5	0.4	59	21.7	1.2	32.9	2.6	0.7	0.7	0.4	0.7	0.5
19	0.5	0.4	14.8	16.6	2.7	47.7	2.6	0.7	0.7	0.4	0.4	0.7
20	0.7	0.4	0.5	10.9	34.1	15.8	2.6	0.7	0.5	0.4	0.4	0.7
21	0.4	39.8	0.4	6.4	50.5	1.2	2.6	0.7	0.5	0.4	0.5	0.7
22	0.4	3.3	0.4	3.1	3.6	0.7	2.6	0.9	0.7	0.4	0.5	0.7
23	0.5	0.5	0.3	0.9	21.6	0.7	2.6	1.2	0.5	0.4	0.5	0.7
24	0.4	5.0	0.3	0.4	3.1	0.5	2.6	1.2	0.5	0.5	0.5	0.7
25	0.4	6.2	0.3	1.5	2.6	0.5	2.6	1.2	0.5	0.5	0.9	0.7
26	0.4	0.4	0.4	0.5	2.1	0.7	2.1	1.2	0.7	0.5	0.9	0.7
27	0.4	0.4	0.3	0.5	1.8	69.7	2.6	1.2	0.7	0.5	0.9	0.7
28	0.4	0.3	0.3	4.4	1.4	24.2	2.6	1.2	0.4	0.5	0.9	0.9
29	0.4	0.3	0.3	0.9		18.2	2.6	1.2	0.5	0.5	0.7	0.9
30	2.3	0.4	0.3	104		3.1	2.6	1.2	0.5	0.5	0.5	0.9
31	0.5		0.3	104		2.1		1.2		0.5	0.7	
MEAN	0.6	4.2	5.1	18.8	7.8	11.5	2.3	1.2	0.8	0.4	0.6	0.7
	35.1	253	316	1,160	431	705	139	74.8	47.6	27.2	34.1	40.5

YEAR OR PERIOD MEAN 4.5
ACRE-FEET 3,260

STATION NO. F317-R

DAILY DISCHARGE in second-feet of ARCADIA WASH BELOW GRAND AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.9	0.3	0.4	0.7	0.7	4.6	2.1	4.1	1.2	0.9	0.9	0.9
2	0.7	0.4	0.4	0.7	0.9	114	2.1	3.1	1.4	0.9	0.9	0.9
3	0.7	0.4	0.4	0.5	0.9	47.1	2.1	2.1	0.9	0.9	0.9	0.9
4	0.7	0.4	0.4	0.5	1.2	18.1	1.8	1.2	0.9	0.9	0.9	0.9
5	0.7	0.4	0.4	0.5	1.4	86.8	1.8	0.3	0.9	0.9	1.2	0.9
6	0.7	0.4	0.4	0.5	1.4	71.1	1.8	0.1	0.9	0.9	1.8	0.9
7	0.7	3.5	0.4	7.4	1.8	4.6	1.4	+	0.9	0.9	1.2	0.9
8	0.7	1.0	0.5	1.2	1.8	4.6	1.4	0.1	0.9	0.9	0.9	0.9
9	0.7	0.5	0.5	137	1.8	4.1	1.8	+	0.9	0.7	0.9	0.9
10	0.7	0.5	0.5	101	1.8	4.1	1.4	13.2	0.9	0.9	0.7	1.2
11	0.5	0.5	0.5	64.1	1.8	4.1	1.4	3.6	0.9	0.9	0.7	1.2
12	0.5	0.7	0.5	30.5	1.8	4.1	1.8	2.6	0.9	0.9	1.2	1.2
13	0.5	0.7	1.1	41.9	136	3.1	1.4	1.2	0.9	0.9	1.2	1.2
14	0.7	0.7	0.7	14.4	219	2.4	1.4	1.2	0.9	0.9	0.9	1.2
15	0.5	0.5	0.7	0.7	334	2.1	1.4	1.2	0.9	0.9	0.9	1.2
16	0.4	0.5	0.7	1.2	633	2.6	1.4	1.2	0.9	0.9	0.9	1.2
17	0.5	0.5	0.7	11.3	96.2	1.4	1.4	1.2	0.9	0.9	0.9	1.2
18	0.4	0.5	0.7	4.0	107	11.5	1.4	1.2	0.9	0.9	0.9	1.2
19	5.3	0.5	0.7	0.9	125	12.7	1.4	1.2	1.2	0.9	0.9	1.2
20	57.1	0.4	0.7	0.5	73	10	1.4	1.2	1.2	0.9	0.9	1.2
21	0.7	0.4	3.9	0.5	57	4.0	2.1	2.1	0.9	0.9	0.9	1.2
22	0.5	0.5	0.9	0.4	10.9	1.4	5.7	0.9	0.9	0.9	0.9	1.2
23	0.5	0.5	0.7	0.4	8.2	0.9	2.1	2.2	0.9	0.9	0.9	1.2
24	0.5	0.5	21.4	0.5	7.3	0.5	1.4	0.9	0.9	0.9	0.9	1.2
25	0.5	0.5	7.1	0.5	5.5	14	1.4	0.9	0.9	0.9	0.9	1.2
26	0.5	0.5	0.7	0.4	6.4	10.3	1.4	0.9	0.9	0.9	0.9	1.2
27	0.5	0.4	0.7	1.4	6.4	2.6	0.7	1.2	0.9	0.9	0.9	1.2
28	0.4	0.4	0.5	236	4.6	2.6	10.8	1.2	0.9	0.9	0.9	1.2
29	0.4	0.3	0.5	183	4.6	2.1	5.5	1.2	0.9	0.9	0.9	1.2
30	0.4	0.4	0.7	3.1		2.1	7.3	1.2	0.9	0.9	0.9	1.2
31	0.3		0.5	0.9		2.1		1.2		0.9	0.9	
MEAN	2.5	0.6	1.6	27.3	63.8	14.7	2.3	1.7	0.9	0.9	1.0	1.1
	156	35.1	97	1,680	3,670	904	140	107	56.3	54.9	58.7	66

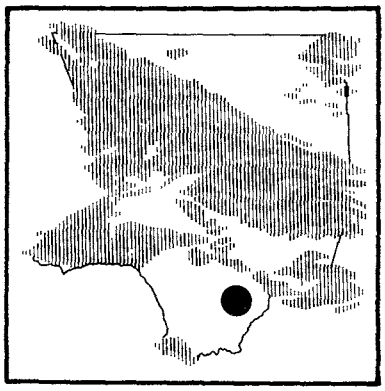
YEAR OR PERIOD MEAN 9.9
ACRE-FEET 7,030

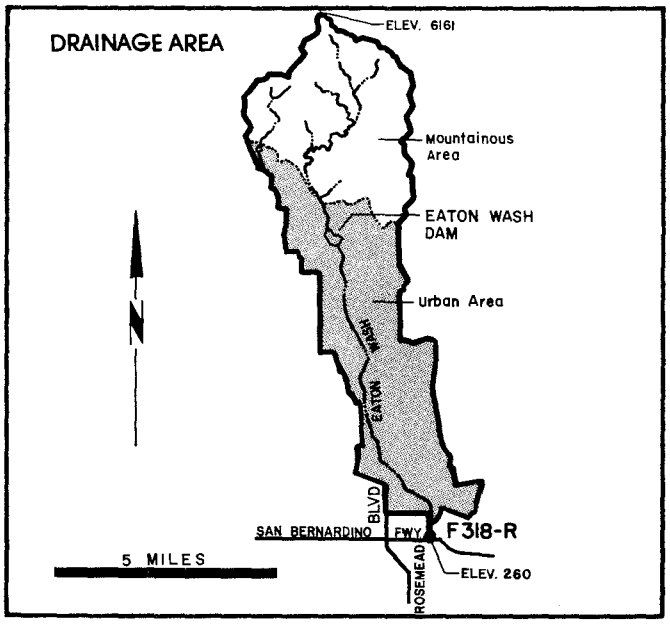
STA. NO. F317-R
ARCADIA WASH BELOW GRAND

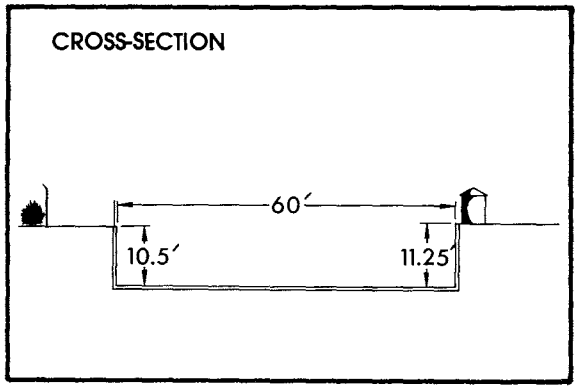
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1956-57	108	0.1	1.8	1340	2	23	1184
1957-58	212	0.1	4.6	3330	2	29	1932
1958-59	127	0.2	1.9	1360	1	6	1270
1959-60	101	0.3	1.7	1220	4	27	593
1960-61	69	+	1.1	831	11	5	570
1961-62	408	0.1	4.7	3400	2	11	1480
1962-63	153	0.2	2.1	1510	2	9	600
1963-64	120	0.1	2.2	1620	11	20	1340
1964-65	153	0.1	3.1	2270	4	9	1460
1965-66	267	0.1	4.7	3430	12	29	1270
1966-67	283	0.3	6.3	4560	1	22	1260
1967-68	M	M	M	M			M
1968-69	M	M	M	M			M
1969-70	M	M	M	M			M
1970-71	M	M	M	M			M
1971-72	M	M	M	M			M
1972-73	M	M	M	M			M
1973-74	279	0.3	4.0	2910	1	7	931
1974-75	207	0.3	3.2	2290	12	4	2560
1975-76	167	0.3	3.6	2600	9	11	1400
1976-77	119	0.2	2.9	2121	10	23	1320
1977-78	355	0.2	9.4	6823	2	10	4110
1978-79	128	0.2	4.5	3263	3	27	1290
1979-80	633	0	9.9	7025	1	29	3280

M = RECORD MISSING
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0

EATON WASH
at Loftus Drive
STATION NO. F318-R







RECORDER- 15 minute punched tape.

METHOD OF MEASUREMENTS- low flows measured by wading. High flows measured from upstream side of East Loftus Drive bridge.

DRAINAGE- 22.8 square miles.

LOCATION- on the west wall of the channel 52 feet above the centerline of East Loftus Drive bridge, 1.3 miles west of El Monte.

REGULATION- partly regulated by Eaton Dam.

DIVERSIONS- the Pasadena Water Department diverts some water just above the mouth of Eaton Canyon. The Flood Control District diverts water to spreading grounds below Eaton Dam and below Huntington Drive.

CHANNEL- rectangular concrete, 60 feet wide, 11.3 feet.

CONTROL- channel forms control.

LENGTH OF RECORD- 1956 to date.

STATION NO. F318-R

DAILY DISCHARGE in second-feet of EATON WASH AT LOFTUS DRIVE — FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.9	1.2	0.5	0.5	0.5	914	13	1.3	2.6	5.7	3.0	3.3
2	0.9	0.5	0.5	0.5	0.5	626	10.5	0.5	0.6	3.5	2.4	2.1
3	1.2	0.5	0.5	17.6	0.5	331	9.1	0.5	0.5	6.6	2.1	1.5
4	1.2	0.5	0.5	137	0.4	897	70.9	0.5	0.5	4.3	1.8	1.5
5	1.5	11.6	1.1	4.2	57.8	661	3.6	0.5	2.4	3.3	0.5	48
6	0.6	0.5	0.5	41.4	23.7	366	94.3	3.6	3.1	3.3	0.5	25.1
7	0.9	0.5	0.6	1.3	86.4	213	67.2	0.9	2.2	3.4	2.4	3.3
8	0.6	0.5	0.5	2.1	147	125	9.1	0.9	1.2	3.3	2.1	1.8
9	0.5	0.5	0.6	99.2	560	97.6	7.0	1.5	1.5	3.0	2.4	0.6
10	0.7	0.5	0.5	182	520	87.4	3.6	1.2	0.6	3.0	2.2	0.5
11	0.8	0.4	0.8	1.8	125	102	0.5	0.6	0.5	3.6	2.4	0.4
12	0.7	0.5	0.8	0.9	273	67	0.9	0.5	1.5	3.6	2.1	0.5
13	0.6	0.5	0.8	0.9	169	53.7	0.6	0.6	2.1	2.1	0.5	3.4
14	0.6	0.5	1.2	249	53.7	43.1	0.5	0.5	2.1	2.7	2.1	3.0
15	0.6	0.5	0.9	110	38.7	43.1	268	1.2	2.1	2.4	2.8	3.0
16	0.5	0.5	0.5	284	24.6	40.5	51.1	1.8	0.5	0.9	2.1	3.0
17	0.6	0.5	29.2	4.7	5.0	37	23.4	1.2	0.5	2.4	2.7	2.4
18	0.6	0.6	52.8	0.9	16.6	33.4	0.5	1.5	0.5	2.7	2.1	2.1
19	1.1	0.5	1.1	50.3	13	31.6	0.5	0.6	1.8	2.7	1.5	0.9
20	0.5	0.4	0.8	1.5	10.5	28.1	0.5	0.5	2.1	2.7	0.6	2.1
21	0.5	0.5	2.0	0.5	3.0	63	0.9	0.5	1.8	1.6	2.1	2.7
22	0.5	0.8	0.5	0.5	0.6	158	3.3	0.5	1.8	0.8	2.1	2.7
23	0.5	0.5	9.9	0.5	0.5	38.6	2.4	0.6	2.1	0.6	2.2	2.9
24	0.6	0.5	0.5	0.5	0.5	19.5	2.7	0.6	0.5	2.4	2.4	0.9
25	0.6	0.5	17.6	1.2	0.5	3.3	24.2	0.5	0.5	3.0	2.1	2.1
26	0.8	0.9	221	1.2	0.5	2.1	3.3	0.9	0.5	3.0	1.2	2.1
27	0.5	0.6	65.3	1.5	1.5	9.8	0.5	1.1	0.9	2.7	0.5	3.0
28	0.5	0.7	335	0.9	349	7.0	0.5	1.2	0.5	3.0	2.1	3.0
29	0.5	0.5	7.1	0.9		3.0	0.4	0.6	5.3	2.3	1.5	2.7
30	0.4	0.6	0.9	0.9		52.8	1.3	2.7	5.7	0.6	2.4	2.7
31	0.9		0.5	5.8		120		2.1		2.7	3.0	
MEAN	0.7	0.9	24.4	38.8	88.6	170	22.5	1.0	1.6	2.8	1.9	4.4
	43.4	55.1	1,500	2,390	4,920	10,460	1,340	62.9	96.2	174	119	264

YEAR OR PERIOD — MEAN 29.8 — ACRE-FEET 21,420

STATION NO. F318-R

DAILY DISCHARGE in second-feet of EATON WASH AT LOFTUS DRIVE — FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	2.1	1.2	4.6	1.8	73.9	69.1	2.4	2.4	2.1	1.5	2.4	5.7
2	2.1	0.6	2.1	2.7	117	1.8	2.4	2.4	1.5	1.8	2.7	5.7
3	1.8	0.5	0.9	1.8	13	1.8	2.7	2.4	1.2	1.8	3.0	2.7
4	1.8	0.4	0.4	1.8	8.4	1.5	2.4	1.8	1.2	1.5	1.8	1.5
5	2.7	0.4	0.5	335	7.7	1.5	2.1	2.1	1.2	1.5	1.5	1.5
6	2.7	0.4	0.5	41.6	3.6	0.5	2.1	1.8	1.5	1.8	3.0	1.8
7	2.1	0.3	0.9	4.3	0.5	1.5	2.1	1.8	2.4	2.1	1.8	1.8
8	2.1	0.3	1.5	3.3	0.5	1.2	2.4	1.5	1.8	1.5	2.7	1.8
9	1.8	0.3	0.9	17.1	0.5	1.5	2.4	1.5	1.5	1.5	2.4	1.8
10	2.4	32.8	0.5	3.0	0.5	1.5	1.8	1.5	1.2	3.0	2.4	3.0
11	2.7	85	0.4	2.7	0.9	1.5	2.4	1.2	2.7	2.1	2.7	2.7
12	2.7	2.1	0.4	2.7	1.2	1.5	1.8	1.2	3.6	3.3	2.1	3.0
13	2.1	20.1	0.6	2.4	5.1	40	2.1	1.2	3.0	3.6	1.8	3.6
14	2.4	2.8	1.8	45	31.8	14.2	2.1	1.2	3.0	1.5	1.8	6.4
15	2.1	0.4	1.2	266	0.9	2.9	1.8	1.2	3.3	1.5	2.1	7.0
16	1.5	0.4	4.8	132	0.9	4.3	1.8	1.5	1.5	2.7	1.8	2.7
17	1.5	0.5	148	17.9	0.9	33.9	1.8	1.5	1.5	3.0	2.1	4.3
18	1.8	0.6	150	34.1	0.6	39.3	2.1	1.5	2.1	3.0	2.4	3.6
19	1.8	0.6	42.1	5.7	2.5	40.4	1.8	1.8	2.7	2.4	2.1	3.0
20	4.3	0.5	2.7	3.3	46.4	20.8	1.8	1.5	2.4	3.3	1.8	2.4
21	3.0	109	3.0	1.5	195	2.1	1.8	1.5	2.1	2.1	1.8	3.0
22	2.4	11.8	2.7	0.6	2.7	2.7	1.8	1.5	2.1	1.8	1.8	1.5
23	1.8	1.8	2.4	0.5	49.5	1.5	1.8	1.5	1.8	3.0	1.5	1.5
24	1.5	0.6	2.1	0.9	2.1	1.5	1.8	1.5	1.5	3.0	1.8	3.0
25	1.2	2.4	2.1	3.3	1.5	1.5	5.0	1.5	1.8	2.7	2.1	1.8
26	0.9	0.4	2.7	2.7	1.8	1.5	5.0	1.5	1.5	2.7	1.5	1.8
27	0.6	0.9	2.1	2.4	1.8	104	2.1	1.2	1.8	1.8	1.8	2.1
28	0.6	1.5	3.0	7.8	2.1	25.5	2.4	1.5	1.8	1.5	1.8	1.5
29	0.6	1.5	4.3	1.8		29.8	2.1	1.5	1.5	1.2	2.1	1.5
30	3.3	1.8	2.1	229		3.3	2.4	1.5	1.5	1.5	2.1	1.5
31	2.4		2.1	268		2.7		1.8		2.4	3.3	
MEAN	2.0	9.4	12.7	46.5	20.5	14.7	2.3	1.6	2.0	2.2	2.1	2.8
	125	559	780	2,860	1,140	906	136	98.2	117	135	131	169

YEAR OR PERIOD — MEAN 9.9 — ACRE-FEET 7,160

STATION NO. F318-R

DAILY DISCHARGE in second-feet of EATON WASH AT LOFTUS DRIVE — FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.5	0.9	1.5	1.2	70.4	59	42.5	1.8	0.3	3.6	7.0	3.3
2	3.0	0.9	1.2	1.2	64.3	302	77.2	0.6	0.3	3.6	4.3	4.3
3	1.8	1.2	1.2	1.8	59	168	67	0.3	0.4	3.6	4.3	5.7
4	1.8	1.2	1.2	1.2	28.1	95.9	47.5	0.1	0.5	3.6	6.4	5.7
5	1.8	0.9	1.2	1.2	7.7	187	20.3	0.1	0.6	3.6	8.4	6.4
6	1.8	0.9	1.2	1.2	5.0	249	13	1.0	0.6	3.6	5.0	6.4
7	1.5	9.5	1.2	15.8	2.4	155	11.7	0.4	0.9	3.6	3.0	5.7
8	1.5	4.8	1.2	2.5	1.5	139	9.1	0.5	1.2	3.6	2.7	6.4
9	1.5	1.2	1.2	310	0.6	90.8	16.6	0.5	1.5	3.6	2.1	5.0
10	1.5	1.5	1.2	145	1.2	73.8	15.4	18	2.4	3.6	1.8	5.7
11	1.5	1.5	0.9	155	1.5	51.1	14.2	8.4	3.6	3.6	2.7	6.4
12	1.5	1.5	0.9	48.5	1.8	14.3	13	6.4	3.3	3.6	3.6	6.4
13	1.5	1.2	0.9	70.4	348	0.5	13	11	3.3	3.6	3.6	5.7
14	1.5	2.1	1.2	30.4	492	22.2	11.7	20.3	3.3	3.6	3.6	4.3
15	1.8	1.5	0.9	19.8	931	40.5	10.5	15.4	3.0	3.6	3.0	5.0
16	1.5	1.2	0.9	28.1	1,460	38.7	6.4	13	3.0	3.3	3.0	5.7
17	1.5	1.5	0.9	47.2	603	22.7	5.7	11.7	3.3	2.7	3.0	6.4
18	1.8	1.2	0.9	21	591	90.1	5.0	9.8	3.6	1.8	3.3	5.7
19	11.1	1.2	0.9	1.5	901	35.2	4.3	13	3.6	1.5	4.3	5.0
20	138	1.2	0.9	1.2	661	38.7	3.6	14.2	3.6	1.5	4.3	3.6
21	0.4	0.9	9.5	2.1	554	40.5	5.7	19.1	3.6	3.0	6.4	3.0
22	2.1	0.9	1.5	7.8	452	38.7	13.2	13	3.6	5.7	5.7	3.6
23	2.1	1.2	0.6	13	348	38.7	5.0	13	3.6	7.0	6.4	5.7
24	1.2	1.2	57	9.1	268	26.1	3.3	10.5	3.6	7.0	5.7	5.7
25	1.2	1.2	13.2	10.5	148	62.3	3.3	8.4	3.6	5.7	5.7	5.0
26	1.5	1.2	1.2	11.7	53.7	54.4	3.0	5.0	3.6	3.6	6.4	5.7
27	1.2	1.2	1.2	15	51.1	4.3	3.0	2.4	3.6	3.3	6.4	5.7
28	1.2	1.2	1.2	389	51.1	7.7	29.9	1.2	3.6	6.4	6.4	4.3
29	1.2	1.2	0.9	485	56.4	14.2	3.6	0.4	3.6	5.7	6.4	4.3
30	1.2	1.2	0.9	185		13	10.2	0.3	3.6	6.4	5.7	5.7
31	1.2		1.2	113		14.2		0.2		4.3	4.3	
MEAN	6.3	1.6	3.5	69.2	283	70.6	16.3	7.1	2.6	4.0	4.7	5.2
	385	96.2	218	4,260	16,290	4,340	968	436	155	244	287	312

YEAR OR PERIOD — MEAN 39.5 — ACRE-FEET 27,990

STA. NO. F318-R
EATON WASH AT LOFTUS DRIVE

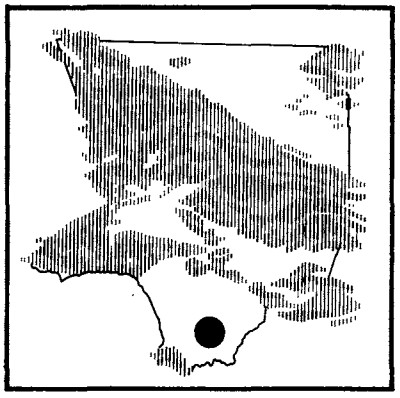
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1956-57A	201	0	3.3	2400	2	23	1760
1957-58	368	0.1	10.3	7460	2	19	2700
1958-59	245	0.1	3.9	2850	1	6	3480
1959-60	186	+	3.3	2420	1	12	1090
1960-61	123	0.1	2.2	1590	11	26	1200
1961-62	598	0.1	9.5	6880	2	11	1950
1962-63	311	0.3	4.1	2980	2	9	1230
1963-64	227	0.1	4.2	3050	11	20	2360
1964-65	254	0.2	5.2	3760	4	9	2150
1965-66	605	0.3	12.4	8990	12	29	2290
1966-67	548	0.3	12.0	8670	1	24	2100
1967-68	318	0.3	5.6	4040	3	8	2390
1968-69	1860	0.3	M	M			M
1969-70	M	M	M	M			M
1970-71	M	M	M	M			M
1971-72	M	M	M	M			M
1972-73	M	M	M	M			M
1973-74	592	0.3	6.7	4870	1	7	1530
1974-75	480	0.5	6.7	4870	12	4	3000
1975-76	275	0.4	5.6	3980	9	11	2660
1976-77	206	0.4	5.0	3650	10	23	1820
1977-78	914	0.4	29.6	21425	2	10	5810
1978-79	335	0.3	9.9	7156	2	21	2630
1979-80	1460	0.1	39.5	27991	2	16	5240

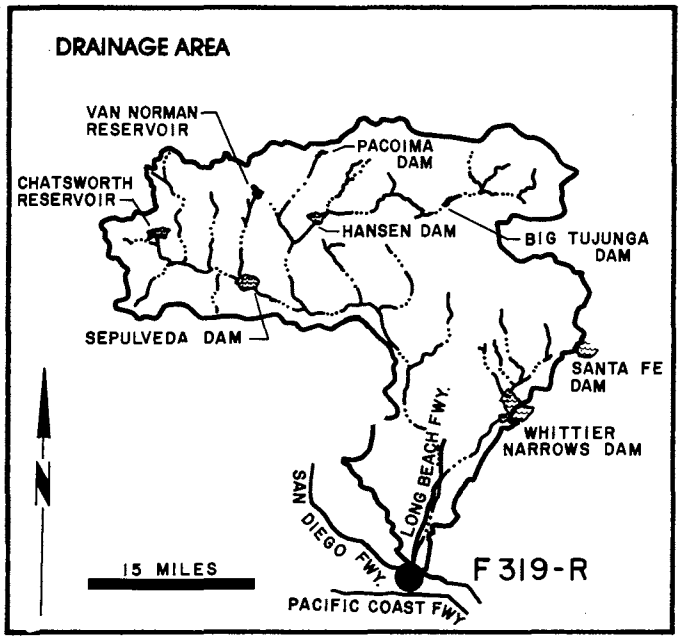
A = PRIOR TO 1956, RECORDS WERE OBTAINED AT STATION F104-R, ELLIS LANE, FROM OCTOBER 1, 1930 TO DECEMBER 27, 1930; AT STATION F104B-R, BROADWAY, FROM DECEMBER 28, 1930 TO NOVEMBER 10, 1931; AT STATION F104-R, ELLIS LANE, FROM NOVEMBER 10, 1931 TO MAY 4, 1955 (REMOVED FOR CHANNEL CONSTRUCTION). RECORDS BEGAN AT STATION F31B-R ON FEBRUARY 23, 1956

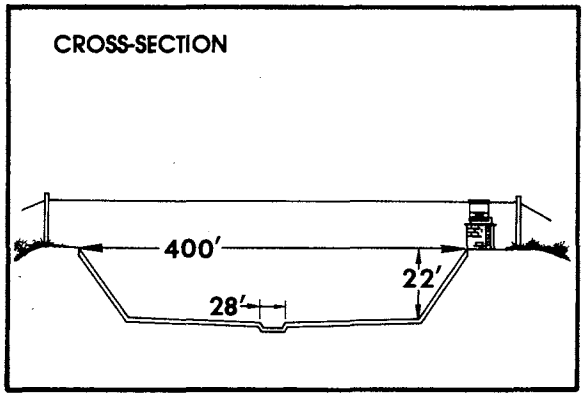
M = RECORD MISSING

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

LOS ANGELES RIVER
below Wardlow Road
STATION NO. F319-R







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 regulation as Stations F34D-R and P45B-R.

DIVERSIONS- 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.

STATION NO. F319-R

DAILY DISCHARGE in second-feet of LOS ANGELES RIVER BELOW WARDLOW ROAD — FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	14.6	12.5	17.8	23	33	27,572	1,164	255	41	49	22	42
2	12	13	14.6	17.8	27	14,984	552	222	39	35	22	48
3	13	12.5	14.6	341	25	7,640	436	222	37	35	27	46
4	14.6	12	15.4	4,302	24	42,323	829	233	42	37	34	42
5	15.4	48	15.4	703	2,800	29,955	288	195	46	38	27	601
6	14.6	106	16.2	2,167	956	10,017	222	233	49	41	23	765
7	14.6	18.6	19.4	218	2,314	6,113	1,716	200	44	40	20	104
8	14.6	13	17	57	1,525	2,912	518	211	41	36	27	60
9	15.4	12	15.4	1,982	17,838	2,030	380	168	38	33	30	57
10	12.5	12.5	15.4	6,131	27,093	1,442	310	450	35	28	29	51
11	15.4	13.8	15.4	464	3,003	990	352	110	35	64	29	51
12	13	12.5	15.4	83	6,874	746	324	178	37	45	29	53
13	12.5	11.5	17	55	4,506	692	266	110	40	45	28	46
14	12.5	12.5	13.8	3,179	1,053	728	288	53	39	65	29	39
15	12.5	13	13.8	7,347	746	674	2,163	53	36	42	32	57
16	12.5	21	13	9,831	620	586	3,033	50	32	42	37	436
17	13	16.2	442	2,021	338	484	620	41	36	57	38	299
18	17	22	1,136	656	200	288	394	45	29	62	38	131
19	14.6	18.6	50	1,374	137	255	366	51	25	53	38	78
20	15.4	13	16.2	244	131	233	338	41	36	53	40	54
21	14.6	13	22	73	131	585	310	46	38	55	41	65
22	13.8	14.6	13.8	61	124	4,649	484	54	34	49	46	70
23	13	14.6	74	62	114	710	352	50	34	44	39	71
24	14.6	13.8	93	96	76	436	277	44	33	37	39	75
25	13.8	13	130	82	71	233	299	112	30	36	38	96
26	13.8	13	5,643	56	73	266	626	151	31	34	42	78
27	12.5	13.8	1,103	39	318	244	255	60	31	32	41	68
28	12.5	15.4	11,050	32	11,007	173	266	55	31	42	51	70
29	12	17	1,126	28		178	233	104	39	32	46	70
30	11	17	312	30		387	200	82	37	22	50	71
31	11.5		95	45		2,884		46		17.8	42	
MEAN	13.6	18.6	695	1,350	2,930	5,210	595	127	36.5	42	34.6	126
	839	1,110	42,750	82,910	163,000	320,100	35,430	7,790	2,170	2,580	2,130	7,530

YEAR OR PERIOD — MEAN 932 — ACRE-FEET 668,300

STATION NO. F319-R

DAILY DISCHARGE in second-feet of LOS ANGELES RIVER BELOW WARDLOW ROAD — FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	76.5	41	50.1	46.2	1,820	1,680	535	173	56.8	74.8	69.7	56.8
2	69.7	40	105	46.2	2,620	297	408	168	58.2	76.5	71.4	55.4
3	66.6	51.4	50.1	55.4	957	88.8	244	168	69.7	76.5	74.8	E 64.9
4	63.8	40	48.8	103	157	58.2	173	200	71.4	74.8	74.8	E 66.8
5	65.2	46.2	54	7,240	104	55.4	137	266	63.8	74.8	68	E 64.9
6	59.6	47.5	55.4	2,690	65.2	54	106	178	51.4	71.4	74.8	E 64.9
7	61	42.3	50.1	162	68	62.4	96.4	178	65.2	68	73.1	E 63
8	56.8	41	47.5	94.5	78.2	62.4	83.3	168	69.5	65.2	71.4	E 63
9	56.8	42.3	33	502	88.8	62.4	76.5	139	173	62.4	69.7	E 63
10	61	914	44.9	181	86.9	54	76.5	135	135	65.2	71.4	E 63
11	58.2	2,940	51.4	56.8	79.9	58.2	76.5	128	126	61	68	E 60.9
12	52.7	1,530	55.4	51.4	73.1	61	78.2	118	63.8	63.8	68	E 64.9
13	52.7	2,005	46.2	62.4	73.1	534	83.3	124	55.4	74.8	69.7	E 63
14	51.4	838	34	348	1,450	226	74.8	118	63.8	69.7	65.2	E 63
15	47.5	69.7	50.1	4,570	299	54	68	81.6	59.6	61	66.6	E 60.9
16	46.2	71.4	61	6,810	97.5	66.6	65.2	78.2	61	65.2	68	E 57
17	47.5	42.3	971	467	66.6	2,320	66.6	81.6	81.6	65.2	66.6	E 55.3
18	37	33	2,490	661	65.2	507	68	71.4	85	74.8	65.2	E 59
19	37	37	1,340	266	73.1	2,230	71.4	76.5	73.1	69.7	61	E 56.6
20	76.5	39	338	90.7	92.3	756	63.8	79.9	62.4	68	61	E 60.9
21	63.8	9,348	83.2	71.4	4,560	285	66.6	71.4	63.8	71.4	61	E 57
22	58.2	8,840	52.7	65.2	499	136	66.6	68	79.9	73.1	59.6	E 63
23	50.1	288	42.3	73.5	1,400	58.2	66.6	68	94.5	71.4	59.6	E 57
24	35	106	39	58.2	173	44.9	222	236	94.5	74.8	58.2	E 66.1
25	36	76.5	43.6	56.8	108	44.9	222	101	92.6	69.7	54	E 60.1
26	47.5	66.6	48.8	50.1	83.3	50.1	189	47.5	94.5	78.2	59.6	E 66.1
27	50.1	61	50.1	43.6	69.7	13,000	178	43.6	94.5	69.7	59.6	E 68.9
28	51.4	50.1	54	82.4	69.7	4,970	178	48.8	88.8	68	61	E 70.1
29	43.6	59.6	44.9	51.4		1,900	173	48.8	83.3	65.2	63.8	E 68.1
30	41	48.8	46.2	3,730		914	173	47.5	83.3	73.1	63.8	E 76.1
31	71.4		50.1	10,500		710		51.4		71.4	62.4	
MEAN	54.6	928	211	1,270	549	1,010	140	115	80.5	70	65.6	62.7
	3,360	55,250	12,950	77,920	30,500	62,280	8,300	7,070	4,790	4,300	4,050	3,730

YEAR OR PERIOD — MEAN 380 — ACRE-FEET 274,500

STATION NO. F319-R

DAILY DISCHARGE in second-feet of LOS ANGELES RIVER BELOW WARDLOW ROAD — FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	56.8	65.2	58.2	52.7	1,050	1,420	288	137	71.4	46.2	58.2	73.1
2	63.8	73.1	58.2	48.8	800	9,380	244	128	71.4	46.2	65.2	85
3	78.2	74.8	59.6	46.2	586	6,770	266	120	69.7	44.9	58.2	88.8
4	76.5	74.8	54	40	380	2,070	266	108	65.2	46.2	65.2	90.7
5	81.6	74.8	55.4	42.3	310	3,550	233	98.3	59.6	40	68	85
6	76.5	65.2	56.8	51.4	142	5,410	184	96.4	63.8	39	81.6	71.4
7	71.4	186	55.4	129	110	1,930	162	88.8	63.8	51.4	71.4	59.6
8	74.8	1,170	62.4	144	90.7	1,690	139	83.3	61	58.2	76.5	63.8
9	71.4	114	62.4	8,390	98.3	1,380	126	76.5	63.8	58.2	73.1	69.7
10	71.4	62.4	61	1,380	98.3	1,330	110	279	65.2	44.9	65.2	69.7
11	66.6	59.6	59.6	5,700	94.5	1,050	88.8	211	65.2	61	65.2	69.7
12	71.4	59.6	54	1,540	98.3	971	71.4	96.4	59.6	46.2	68	66.6
13	69.7	59.6	50.1	635	4,300	914	74.8	76.5	59.6	47.5	68	58.2
14	69.7	59.6	52.7	1,110	16,500	436	81.6	68	59.6	48.8	68	52.7
15	71.4	61	52.7	535	17,300	450	102	65.2	52.7	51.4	71.4	46.2
16	71.4	54	52.7	277	33,437	436	90.7	65.2	42.3	51.4	62.4	58.2
17	71.4	69.7	52.7	310	24,900	436	86.9	66.6	47.5	50.1	61	56.8
18	74.8	90.7	52.7	408	25,300	1,540	86.9	324	47.5	47.5	59.6	58.2
19	79.9	66.6	50.1	173	18,200	861	81.6	244	46.2	46.2	56.8	58.2
20	1,450	61	52.7	128	12,000	408	76.5	104	40	40	59.6	58.2
21	288	50.1	103	108	8,720	586	76.5	86.9	41	42.3	62.4	58.2
22	110	48.8	96.2	104	5,250	484	345	92.6	44.9	54	62.4	58.2
23	71.4	47.5	48.8	94.5	5,850	380	320	94.5	51.4	55.4	66.6	56.8
24	58.2	52.7	672	86.9	5,610	394	131	88.8	44.9	58.2	62.4	62.4
25	246	52.7	906	76.5	4,210	722	88.8	81.6	54	47.5	62.4	61
26	467	59.6	99	73.1	3,040	1,980	86.9	76.5	59.6	52.7	66.6	59.6
27	151	62.4	48.8	76.5	4,470	394	79.9	78.2	58.2	51.4	71.4	58.2
28	79.9	41	48.8	2,130	1,690	352	191	74.8	59.6	55.4	73.1	54
29	61	40	54	19,100	1,120	338	467	73.1	56.8	68	86.9	56.8
30	54	52.7	54	1,470		299	184	73.1	46.2	71.4	90.7	63.8
31	56.8		50.1	1,240		299		73.1		56.8	76.5	
MEAN	144	104	106	1,470	6,750	1,570	161	111	56.4	50.9	67.9	64.3
	8,850	6,170	6,530	90,640	388,300	96,520	9,580	6,800	3,360	3,130	4,170	3,830

YEAR OR PERIOD — MEAN 888 — ACRE-FEET 627,900

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
1928-29A				9340#	3	10	2870#
1929-30	1270	0.9	17.0	12310	3	15	1670
1930-31	1390	0	19.9	14400	2	3	3700
1931-32B	7130	0.8	70.2	50960	2	9	8380
1932-33	3310	0.3	31.6	22890	1	19	8710
1933-34	19900	0	93.7	67860	1	1	37500
1934-35	2930	1.6	55.9	40470	4	8	11000
1935-36	1630	2.3	28.3	20470	2	12	10400
1936-37	6800	3.3	126.0	91110	2	14	20500
1937-38	50000	1	564.0	408000	3	2	99000E
1938-39	6220	3.5	114.0	82750	9	25	17300
1939-40	2830E	15	90.8	65930	2	2	8440
1940-41	11120	18	510.0	369500	3	4	18170
1941-42	3180	31	129.0	93390	12	10	10800
1942-43	18100	28	366.0	264900	1	23	37900
1943-44	17190	38	299.0	217400	2	22	34000
1944-45	3020	33	138.0	100200	11	12	11600
1945-46	6440	30	127.0	91790	12	22	12800
1946-47	5750	18	146.0	106000	12	26	18810
1947-48	1540	19	72.8	52820	3	24	9310
1948-49	1790	13	61.3	44350	12	17	5520
1949-50	2360	6.3	58.3	42180	2	6	9090
1950-51	1610	5.6	50.6	36600	1	29	9040
1951-52	16310	3.8	292.0	212200	1	16	47800
1952-53	2932	1.9	61.4	44490	11	15	21100
1953-54	8120	2.5	97.8	70790	2	13	34760
1954-55	4180	2.2	83.0	60120	1	18	17750
1955-56C	12700	7	133.0	96810	1	26	40500
1956-57	4550	5.5	67.3	48710	2	23	23000
1957-58	10400	6.4	264.0	191200	2	19	43800
1958-59	6340	7.2	68.2	49390	1	6	31000
1959-60	3420	3.7	67.6	49100	1	12	21700
1960-61	2860	1.3	44.2	32000	1	26	9450
1961-62	14800	0.6	245.0	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	106.0	76680	4	9	30100
1965-66	22500	3	342.0	247900	12	29	61500
1966-67	12400	9.9	237.0	171900	11	7	43700
1967-68	13600	18	173.0	125800	3	8	48900
1968-69	55000	16	1150.0	832000	1	25	102000
1969-70	5300	22	128.0	92070	2	28	5300
1970-71	20600	20	201.0#	145300#	11	29	65100
1971-72	8550	17	106.0	77560	12	24	28700
1972-73	16170	20	253.0	183300	2	11	50800
1973-74	17200	17	190.0	137800	1	7	42800
1974-75	11200	13	159.0	115000	12	4	64470
1975-76	4660	11.5	102.0	72670	2	9	16020
1976-77	7130	5.3	140.4	101700	1	3	29528
1977-78	*	*	*	*			*
1978-79	13000	33	379.2	274500	3	27	50900
1979-80	33437	39	887.9	544632	2	16	128700

A = GAGE AT STATION F36-R, LOS ANGELES RIVER AT WILLOW STREET FROM DEC 26, 1928 TO OCTOBER 26, 1931. DRAINAGE AREA 1062 SQUARE MILES.

B = GAGE AT STATION F180-R, LOS ANGELES RIVER AT STATE STREET FROM OCTOBER 27, 1931 TO JANUARY 12, 1956. DRAINAGE AREA 1063 SQUARE MILES.

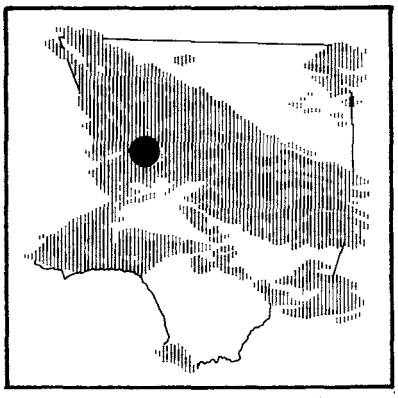
C = GAGE AT STATION F319-R, LOS ANGELES RIVER BELOW BELHART STREET (NOW WARDLOW ROAD) FROM JANUARY 13, 1956 TO PRESENT. DRAINAGE AREA 815 SQUARE MILES (EXCLUDES AREA ABOVE SANTA FE DAM)

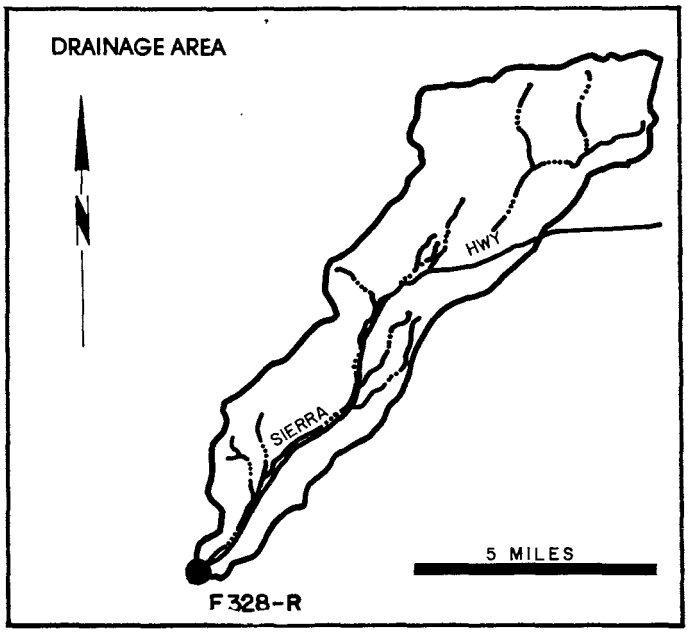
E = ESTIMATE

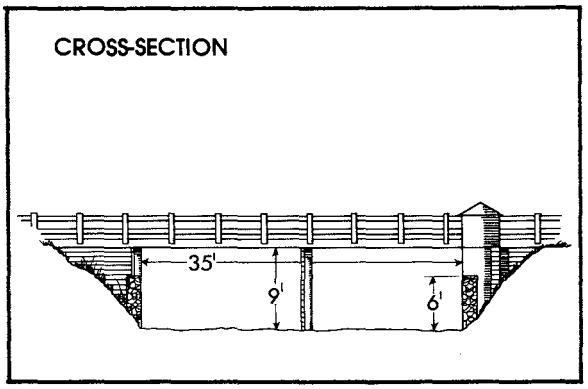
* = RECORD INCOMPLETE

\# = RECORDER FAILED - FLOW COMPUTED BY ADDING Q'S OF STATIONS NOS. F34D-R, F45B-R, + 104.6% OF F37B-R.

MINT CANYON CREEK
at Finch Avenue
STATION NO. F328-R







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.

STATION NO. F328-R

DAILY DISCHARGE in second-feet of MINT CANYON CREEK AT FITCH AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	0	10.2	0	0	0	0	0	0
2	0	0	0	0	0	13.9	0	0	0	0	0	0
3	0	0	0	0.2	0	1.2	0	0	0	0	0	0
4	0	0	0	7.0	0	181	0.3	0	0	0	0	0
5	0	0	0	0	0.7	90.5	0	0	0	0	0	+
6	0	0	0	0.4	2.6	1.8	0.5	0	0	0	0	0
7	0	0	0	0	1.0	0.3	0	0	0	0	0	0
8	0	0	0	0	0.5	0	0	0	0	0	0	0
9	0	0	0	0.7	76.8	0	0	0	0	0	0	0
10	0	0	0	3.1	123	0	0	0	0	0	0	0
11	0	0	0	0	0.4	0	0	0	0	0	0	0
12	0	0	0	0	10.9	0	0	0	0	0	0	0
13	0	0	0	0	1.3	0	0	0	0	0	0	0
14	0	0	0	2.3	0	0	0	0	0	0	0	0
15	0	0	0	2.1	0	0	0.4	0	0	0	0	0
16	0	0	0	17	0	0	0	0	0	0	0	0
17	0	0	0	0.1	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0.3	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	0
22	0	0	0	0	0	0.7	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	+	0	0	0	0	0	0	0	0	0
26	0	0	0.9	0	0	0	0	0	0	0	0	0
27	0	0	0.3	0	0	0	0	0	0	0	0	0
28	0	0	5.8	0	38.6	0	0	0	0	0	0	0
29	0	0	+	0		0	0	0	0	0	0	0
30	0	0	+	0		0.6	0	0	0	0	0	0
31	0		0	0		1.4		0		0	0	
MEAN	0	0	0.2	1.1	9.1	9.7	0	0	0	0	0	0
	0	0	13.9	65.9	507	598	2.4	0	0	0	0	0

YEAR OR PERIOD MEAN 1.7
ACRE-FEET 1,190

STATION NO. F328-R

DAILY DISCHARGE in second-feet of MINT CANYON CREEK AT FITCH AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	+	0	2.3	0.8	0	0	0	0	0	0
2	0	0	0	0	1.5	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	1.8	0	0	0	0	0	0	0	0
6	0	0	0	+	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	A 0	0	0	0	0	0	0	0	0	0	0
9	0	A 0	0	0	0	0	0	0	0	0	0	0
10	0	A 0	0	0	0	0	0	0	0	0	0	0
11	0	A +	0	0	0	0	0	0	0	0	0	0
12	0	A 0	0	0	0	0	0	0	0	0	0	0
13	0	A +	0	0	+	+	0	0	0	0	0	0
14	0	A 0	0	+	+	0	0	0	0	0	0	0
15	0	A 0	0	2.8	0	+	0	0	0	0	0	0
16	0	A 0	0	1.4	0	0	0	0	0	0	0	0
17	0	A 0	+	+	0	0.4	0	0	0	0	0	0
18	0	A 0	0.5	0	0	0	0	0	0	0	0	0
19	0	A 0	+	0	0	V 0.3	0	0	0	0	0	0
20	+	A 0	0	0	0	0	0	0	0	0	0	0
21	0	A +	0	0	1.2	0	0	0	0	0	0	0
22	0	A +	0	0	+	0	0	0	0	0	0	0
23	0	A 0	0	0	+	0	0	0	0	0	0	0
24	0	A 0	0	0	0	0	0	0	0	0	0	0
25	0	A 0	0	0	0	0	0	0	0	0	0	0
26	0	A 0	0	0	0	+	0	0	0	0	0	0
27	0	A 0	0	0	0	6.6	0	0	0	0	0	0
28	0	0	0	0	0	47.8	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	+	0	0	1.4		0	0	0	0	0	0	0
31	0		0	3.9		0		0		0	0	
MEAN	+	+	+	0.4	0.2	1.8	0	0	0	0	0	0
	+	+	1.0	22.4	9.9	111	0	0	0	0	0	0

YEAR OR PERIOD

MEAN 0.2
ACRE-FEET 144

STATION NO. F328-R

DAILY DISCHARGE in second-feet of MINT CANYON CREEK AT FITCH AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	E 0.1	E 0.1	0.2	2.8	2.1	B 0.8	B 0.6	0.4	0.1	0.2
2	0	0	E 0.1	E 0.1	0.1	6.4	2.1	B 0.8	B 0.6	1.4	0.1	0.1
3	0	0	E 0.1	E 0.1	0.1	3.0	1.6	B 0.8	B 0.6	1.4	0.1	0.2
4	C	0	E 0.1	E 0.1	0.1	B 3.0	1.8	B 0.9	0.6	1.1	0.2	0.1
5	0	0	E 0.1	E 0.1	0.1	5.1	1.2	B 0.9	0.7	0.8	0.2	0.2
6	0	0	E 0.1	E 0.1	V 0.1	21	1.1	B 0.9	0.6	0.8	0.2	0.2
7	0	+	E 0.1	E 0.1	V 0.1	3.4	1.0	B 1.0	0.1	0.6	0.3	0.2
8	0	0.1	E 0.1	E 0.2	V 0.1	B 3.4	B 1.0	B 1.0	0.4	0.6	1.0	0.2
9	0	E 0.1	E 0.1	1.4	V 0.1	B 3.3	B 1.0	B 1.0	0.4	0.3	0.8	0.3
10	0	E 0.1	E 0.1	1.4	V 0.1	B 3.3	B 1.0	B 1.1	0.5	0.5	0.8	0.3
11	0	E 0.1	E 0.1	0.6	V 0.1	B 3.2	B 1.0	B 1.1	0.6	0.3	0.6	0.2
12	0	E 0.1	E 0.1	0.7	V 0.1	B 3.2	B 1.0	B 1.1	0.4	0.3	0.4	0.2
13	0	E 0.1	E 0.1	0.7	5.1	3.2	B 1.0	B 1.2	0.4	0.6	0.5	0.3
14	0	E 0.1	E 0.1	0.4	10.7	1.8	B 1.0	1.2	0.1	0.6	0.6	0.3
15	0	E 0.1	E 0.1	V 0.1	10	1.8	B 1.0	1.5	0.1	0.6	0.5	0.4
16	0	E 0.1	E 0.1	0.1	119	3.0	B 1.0	1.2	0.3	0.7	0.1	0.3
17	0	E 0.1	E 0.1	V 0.1	50.7	3.0	B 1.0	1.2	0	0.8	0.6	0.3
18	0	E 0.1	E 0.1	V 0.1	7.6	3.4	B 1.0	1.1	0	0.7	0.7	0.3
19	0	E 0.1	E 0.1	V 0.1	57.9	3.4	B 1.0	1.0	0.1	0.6	0.5	0.3
20	0.1	E 0.1	E 0.1	V 0.1	30.6	2.1	B 1.0	0.8	0.3	0.6	0.7	0.4
21	0	E 0.1	E 0.1	V 0.1	9.3	3.9	B 1.0	1.0	0.5	0.6	0.6	0.5
22	+	E 0.1	E 0.1	V 0.1	2.3	3.4	B 1.0	1.1	0.6	0.6	0.4	0.5
23	+	E 0.1	E 0.1	V 0.1	2.5	3.2	B 0.9	0.6	0.7	0.6	0.4	0.6
24	+	E 0.1	E 0.1	V 0.1	2.5	3.4	B 0.8	B 0.6	0.6	1.2	0.3	0.5
25	+	E 0.1	E 0.1	V 0.1	2.5	4.3	B 0.7	B 0.6	0.6	1.5	0.4	0.4
26	0.2	E 0.1	E 0.1	V 0.1	2.5	2.8	0.6	B 0.6	0.7	1.1	0.3	0.4
27	0.6	E 0.1	E 0.1	V 0.1	2.8	2.5	B 0.6	B 0.6	0.8	0.3	0.1	0.4
28	0.3	E 0.1	E 0.1	7.7	2.8	2.5	B 0.7	B 0.6	0.8	0.1	0.1	0.4
29	0	E 0.1	E 0.1	28.1	2.8	2.8	B 0.7	B 0.6	0.6	0.1	0.2	0.3
30	0	E 0.1	E 0.1	0.6		2.8	B 0.7	B 0.6	0.2	0.1	0.2	0.3
31	0		E 0.1	0.4		2.8		B 0.6		0.1	0.2	
MEAN	+	0.1	0.1	1.4	11.1	3.8	1.1	0.9	0.4	0.6	0.4	0.3
	2.4	4.6	6.1	87.7	641	232	62.7	55.7	26.8	39.7	24.2	18.4

YEAR OR PERIOD

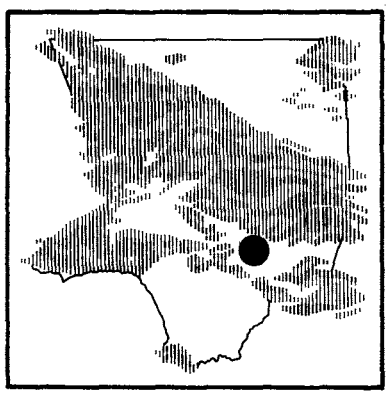
MEAN 1.7
ACRE-FEET 1,200

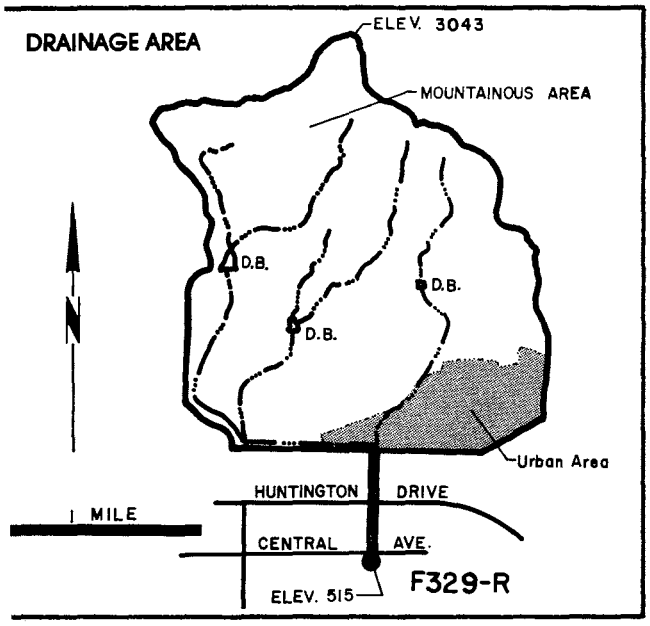
STA. NO. F328-R
MINT CANYON CREEK AT FITCH AVENUE

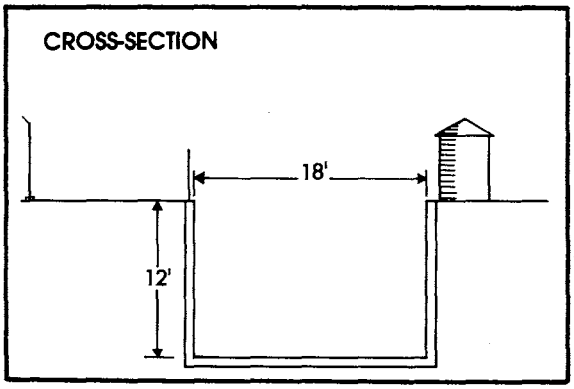
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1957-58	66	0	0.6	435	12	15	708
1958-59	14	0	+	44	1	6	317
1959-60	0.3	0	+	2	1	10	8.1
1960-61	3.6	0	+	14	11	5	64
1961-62	49	0	0.4	257	2	11	176
1962-63	3	0	+	26	9	18	70
1963-64	13	0	0.1	45	4	1	111
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	0.1	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
1972-73	25	0	0.2	117	2	11	184
1973-74	2.8	0	+	13	1	7	11
1974-75	4.4	0	+	27	3	8	85
1975-76	12	0	0.1	46	9	5	389
1976-77	3.9	0	0.02	17.5	5	8	43
1977-78	*	*	*	*			*
1978-79	48	0	0.2	144	3	28	395
1979-80	119.4	0	1.7	1201	2	16	415

\+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.
* = RECORD INCOMPLETE

BRADBURY CHANNEL
below Central Avenue
STATION NO. F329-R







CORDER- 15 minute punched tape.
THOD OF MEASUREMENT- low flows measured by wading. High flows measured from footbridge four feet downstream from recorder.
AINAGE AREA- 3.3 square miles.
CATION- on the east wall of Bradbury Channel, 200 feet downstream from the centerline of Central Avenue, one mile east of Duarte.
GULATION- two debris basins located upstream.
ANNEL- rectangular concrete, 18 feet wide, 12 feet deep.
NTROL- channel forms control.
GTH OF RECORD- June 14, 1957 to present.

STATION NO. F329-R

DAILY DISCHARGE in second-feet of BRADBURY CHANNEL BELOW CENTRAL AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.1	0.3	0.6	+	+	75.6	1.0	0.1	0.1	0.1	0.1	1.0
2	0.1	0.3	0.3	+	+	29.5	0.3	0.6	0.3	0.1	0.1	1.5
3	0.1	0.3	0.3	0.1	+	5.7	0.3	0.3	0.1	0.1	0.1	2.1
4	0.1	0.1	0.3	3.9	+	62.1	11.6	0.1	0.1	0.1	0.1	1.5
5	0.1	0.6	0.1	0.3	2.0	67.4	29.1	0.1	0.1	0.1	0.1	15.9
6	0.1	1.0	0.3	0.6	0.3	36.9	12.3	0.1	0.3	0.1	0.3	13.5
7	0.1	0.3	0.6	0.1	6.1	7.7	0.6	0.1	0.1	0.1	0.3	1.5
8	0.1	+0	0.6	+	1.0	9.6	0.3	0.1	0.1	0.1	0.3	0.1
9	0.1	+0	0.6	5.2	46.4	7.7	0.3	0.1	0.1	0.1	0.3	0.1
10	0.3	+0	0.3	15	59.9	5.7	0.3	0.1	0.1	0.1	0.3	0.1
11	0.3	+0	0.3	0.1	25.2	7.7	1.0	0.1	0.3	0.1	0.3	0.1
12	0.1	+0	0.6	0.1	25	7.7	0.6	0.1	0.3	0.1	0.3	0.1
13	0.1	+0	0.6	+	20.2	5.7	0.6	0.1	0.1	0.1	0.3	0.1
14	0.1	+0	0.6	17	2.8	3.8	0.6	0.3	0.3	0.1	0.3	0.1
15	0.1	+0	1.0	25.1	2.1	2.8	7.3	0.1	0.3	0.1	0.3	0.1
16	0.1	+0	1.0	37.1	1.5	1.5	1.0	0.1	0.3	0.1	0.3	0.1
17	0.3	+0	2.6	29.1	1.5	0.3	0.6	0.3	0.3	0.1	0.3	0.1
18	0.3	+0	3.2	13.5	1.5	0.3	0.6	0.3	0.3	0.1	0.3	0.1
19	0.3	+0	0.3	1.5	1.0	0.3	0.6	0.3	0.3	0.1	0.3	0.1
20	0.3	+0	0.1	0.3	1.0	0.3	0.6	0.3	0.3	0.1	0.3	0.1
21	0.1	+0	0.1	0.3	1.0	2.8	0.6	0.3	0.3	0.1	0.3	0.1
22	0.1	+0	+	0.3	0.6	17.4	0.6	0.3	0.3	0.1	0.3	0.1
23	0.1	+0	0.1	0.3	0.6	7.7	0.6	0.3	0.3	0.1	0.3	0.1
24	0.1	0.3	0.1	0.6	0.6	0.3	1.0	0.3	0.1	0.1	0.3	0.1
25	0.1	1.0	0.3	0.1	0.6	0.3	1.5	0.3	0.1	0.1	0.3	0.1
26	0.3	0.3	7.0	0.1	0.6	0.3	1.5	0.3	0.1	0.1	0.3	0.1
27	0.3	1.0	5.5	0.3	0.6	0.3	1.5	0.3	0.1	0.1	0.3	0.1
28	0.1	0.3	21.8	0.1	23.2	0.3	0.6	0.3	0.1	0.1	0.3	0.1
29	0.3	0.3	0.1	0.1		0.3	0.6	0.3	0.1	0.1	0.3	0.1
30	0.3	0.3	+	0.3		21.3	0.6	0.3	0.1	0.1	0.3	0.1
31	0.3		+	0.1		25.2		0.3		0.1	0.3	
MEAN	0.2	0.2	1.6	4.9	8.0	13.4	2.6	0.2	0.2	0.1	0.3	1.3
	10.5	12.7	97.8	301	447	822	156	13.9	11.5	6.1	16.5	78

YEAR OR PERIOD MEAN 2.7
ACRE-FEET 1,970

STATION NO. F329-R

DAILY DISCHARGE in second-feet of BRADBURY CHANNEL BELOW CENTRAL AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.1	+	0.1	1.0	12.9	3.8	0.1	0.3	0.6	0.1	0.6	0.1
2	0.3	+	0.1	2.8	11.4	0.1	0.1	0.3	0.6	0.1	1.0	0.1
3	0.3	+	0.1	2.1	0.3	+	0.3	0.6	0.6	0.1	0.3	0.1
4	0.6	0.1	0.1	1.0	0.3	0.1	0.6	0.6	0.6	0.1	0.6	0.1
5	0.6	+	0.1	48.8	0.3	0.1	0.3	0.6	0.6	0.1	0.3	0.1
6	0.6	0.1	0.1	20.2	0.6	0.1	0.6	0.6	0.6	0.1	0.3	0.1
7	0.6	0.1	0.1	0.3	0.6	0.1	0.3	0.6	0.6	0.1	0.6	0.1
8	0.3	0.1	0.1	0.3	1.0	0.1	1.0	0.6	0.3	0.1	0.6	0.1
9	0.1	+	0.1	2.1	1.0	0.3	2.1	0.6	0.3	0.1	0.1	0.1
10	0.1	5.7	0.1	1.5	1.0	1.0	1.5	0.6	0.3	0.1	0.1	0.1
11	0.1	7.7	0.1	1.5	1.5	1.5	1.0	0.6	0.3	0.1	0.1	0.1
12	0.1	0.1	0.1	0.6	2.1	0.6	0.6	0.6	0.3	0.1	0.1	0.1
13	0.1	0.3	0.1	0.6	3.8	1.5	1.0	0.6	0.3	0.1	0.1	0.1
14	0.1	0.1	0.1	9.9	7.1	+	1.0	0.6	0.3	0.1	0.1	0.1
15	0.1	0.1	0.1	47.4	0.6	0.1	0.6	0.3	0.3	0.1	0.1	0.1
16	0.1	0.1	0.1	14.7	0.6	0.1	1.0	0.6	0.3	0.1	0.1	0.1
17	0.1	0.1	34.1	0.1	0.6	1.0	1.0	0.6	0.3	0.1	0.1	0.1
18	0.1	0.1	45.2	6.5	0.6	1.0	0.6	0.6	0.3	0.1	0.1	0.1
19	0.1	0.1	10.2	+	0.6	2.1	0.6	0.3	0.3	0.1	0.1	0.1
20	0.1	+	1.5	+	14.8	0.6	0.6	0.3	0.3	0.1	0.1	0.1
21	0.1	9.5	1.5	+	28.7	0.1	0.6	0.6	0.3	0.1	0.1	0.1
22	0.1	0.6	0.3	0.1	2.8	0.1	1.0	0.6	0.3	0.1	0.1	0.1
23	0.1	0.3	0.1	0.3	4.8	+	1.0	0.3	0.3	0.1	0.1	0.1
24	0.1	0.1	0.1	0.1	0.1	+	1.0	0.3	0.3	0.1	0.1	0.1
25	0.1	0.6	0.1	1.0	0.1	0.1	0.6	0.3	0.3	0.1	0.1	0.1
26	0.1	0.1	0.1	0.1	0.1	+	0.6	0.6	0.3	0.1	0.1	0.1
27	0.1	0.3	0.6	0.1	0.1	20	0.6	0.6	0.1	0.1	0.1	0.1
28	0.1	0.3	0.1	1.5	+	14.7	0.6	0.3	0.1	0.1	0.1	0.1
29	0.1	0.1	0.1	2.1		1.0	0.3	0.3	0.1	0.1	0.1	0.1
30	0.3	0.1	0.1	41.2		0.3	0.3	0.3	0.1	0.1	0.1	0.1
31	0.1		0.1	40.9		0.3		0.6		0.1	0.1	
MEAN	0.2	0.9	3.1	8.0	3.5	1.6	0.7	0.5	0.3	0.1	0.2	0.1
	11.7	53.2	190	493	195	101	42.6	30.3	20.4	6.1	13.1	6.0

YEAR OR PERIOD MEAN 1.6
ACRE-FEET 1,160

STATION NO. F329-R

DAILY DISCHARGE in second-feet of BRADBURY CHANNEL BELOW CENTRAL AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.3	0.3	1.5	1.5	11.6	13.5	2.1	0.3	1.0	0.3	0.3	0.3
2	0.1	0.3	0.3	2.8	11.6	33.3	0.6	0.1	+	0.6	0.3	0.3
3	0.1	0.3	0.3	1.0	11.6	31.5	0.3	0.1	+	0.3	0.3	0.3
4	0.1	0.3	0.3	0.3	11.6	25.2	0.6	0.1	0.3	0.3	0.3	0.3
5	0.1	0.3	0.3	0.1	11.6	35.2	0.3	0.1	0.3	0.6	0.3	0.3
6	0.3	0.3	0.1	0.1	13.5	45.2	0.3	0.1	0.3	0.6	0.3	0.3
7	0.1	0.3	0.1	0.1	13.5	29.1	0.3	0.1	0.3	0.3	0.3	0.3
8	0.1	0.1	0.1	0.1	11.6	15.5	0.3	0.3	0.3	0.3	0.3	0.3
9	0.1	0.1	0.1	126	9.6	13.5	1.5	0.3	0.3	0.3	0.3	0.3
10	0.1	0.1	0.1	131	9.6	13.5	0.6	0.6	0.3	0.3	0.3	0.3
11	0.1	0.1	0.1	101	11.6	11.6	0.3	0.3	0.3	0.3	0.3	0.3
12	0.1	0.1	0.1	84.8	15.5	11.6	0.3	0.3	0.3	0.3	0.3	0.3
13	0.1	0.1	0.1	58.3	71.1	9.6	0.3	0.3	0.3	0.3	0.3	0.3
14	0.1	0.1	0.1	40.8	101	11.6	0.6	0.3	0.3	0.3	0.3	0.3
15	0.1	0.1	0.1	31.1	73	11.6	0.3	0.3	0.3	0.3	0.3	0.3
16	0.1	0.1	0.1	33	102	13.5	0.3	0.3	0.3	0.3	0.3	0.3
17	0.1	0.1	0.1	45.2	104	13.5	0.3	0.3	0.3	0.1	0.3	0.3
18	0.1	0.1	0.1	36.2	117	18.1	1.0	0.3	0.3	0.1	0.3	0.3
19	0.1	0.1	0.1	27.2	117	7.7	0.6	0.3	0.3	0.1	0.3	0.3
20	48.3	0.1	0.1	27.2	107	5.7	0.6	0.3	0.3	0.1	0.3	0.3
21	23.3	0.1	0.1	29.1	92.9	3.8	0.6	2.1	0.3	0.1	0.3	0.3
22	19.4	0.1	0.1	27.2	67.6	2.8	0.3	0.3	0.3	0.1	0.3	0.3
23	15.5	0.1	0.1	25.2	17.4	2.8	0.3	0.3	0.3	0.1	0.3	0.3
24	0.6	0.1	0.1	25.2	15.5	3.8	0.3	0.3	0.3	0.1	0.3	0.3
25	0.3	0.1	0.1	25.2	15.5	9.6	0.3	0.1	0.3	0.1	0.3	0.3
26	0.3	0.1	0.1	25.2	15.5	3.8	0.3	0.1	0.3	0.1	0.3	0.3
27	0.3	0.1	0.1	29.1	15.5	2.1	0.3	0.1	0.3	0.1	0.3	0.3
28	0.3	0.3	0.1	155	13.5	2.1	0.3	0.1	0.3	0.1	0.3	0.3
29	0.3	0.1	0.1	100	13.5	2.8	0.3	0.1	0.3	0.1	0.3	0.3
30	0.3	0.3	0.1	17.4		5.7	0.3	0.1	0.3	0.1	0.3	0.3
31	0.3		0.1	13.5		3.8		2.1		0.3	0.3	
MEAN	3.6	0.2	0.2	39.4	41.4	13.3	0.5	0.3	0.3	0.2	0.3	0.3
	221	9.5	10.5	2,420	2,380	819	29.4	21.4	18	14.7	18.4	17.9

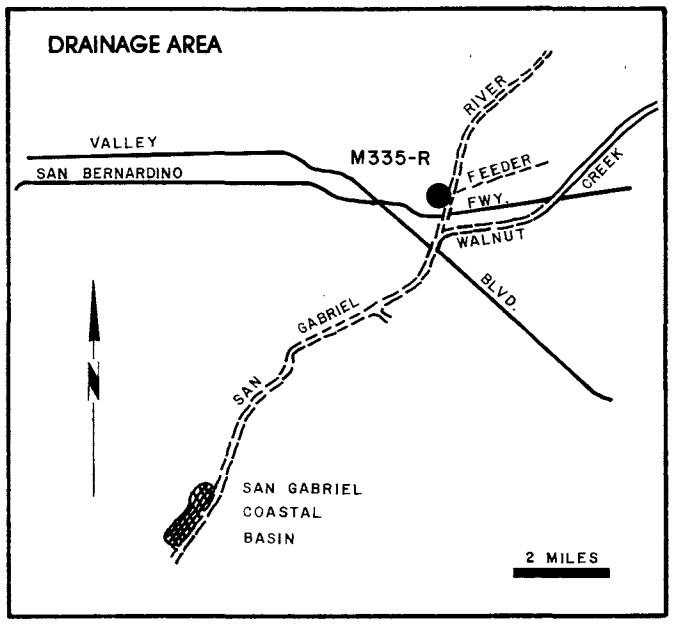
YEAR OR PERIOD MEAN 8.3
ACRE-FEET 5,980

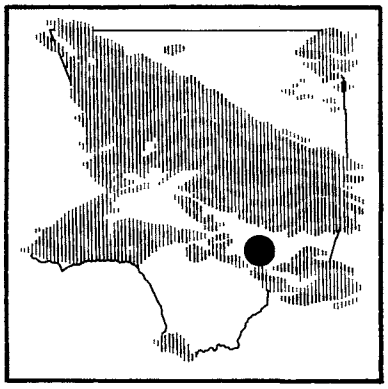
STA NO. F329-R
BRADBURY CHANNEL BELOW CENTRAL AVENUE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1957-58	7.3	0	0.2	170	2	19	65
1958-59	29	0	0.3	182	1	6	1250
1959-60	5.2	0	0.1	59	12	24	40
1960-61	4.5	0	0.0	30	11	3	60
1961-62	50	0	0.7	518	1	20	316
1962-63	9.4	0	0.2	120	2	9	23.6
1963-64	5.6	0	0.2	114	1	22	168
1964-65	11	0	0.2	157	4	9	248
1965-66	46	0	0.6	448	12	29	552
1966-67	52	0	0.7	547	1	24	280
1967-68	30	0	0.4	319	3	8	370
1968-69	131	0	2.6	938	2	6	472
1969-70	47	0	0.6	408	3	1	267
1970-71	20	0	0.4	261	12	21	130
1971-72	24	0	0.2	172	12	24	145
1972-73	61	0	1.2	438	2	27	424
1973-74	39	0	0.8	609	1	7	111
1974-75	28	0	0.4	268	12	4	325
1975-76	14	+	0.4	326	9	11	210
1976-77	26.4	+	0.5	373.8	10	23	166
1977-78	75.6	+	2.7	1670	2	10	357
1978-79	49	0	1.6	1160	1	15	297
1979-80	155	0	8.3	5984	1	28	574

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

SAN GABRIEL-MWD OUTLET
below Ramona Boulevard
STATION NO. M335-R





RECORDER- a weekly Venturi recorder.

LOCATION- latitude 34° 04' 34", longitude 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 Blvd and 350 feet west of Rivergrade Road.

CHANNEL AND CONTROL- a 73-inch diameter orifice plate.

METHOD OF MEASUREMENTS- all flows measured by orifice meter with totalizer beginning December 21, 1960.

LENGTH OF RECORD- at Station F 335-R November 30, 1957 to April 13, 1960. at Station M335-R December 17, 1960 to present.

REMARKS- 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 NO. M335-R

DAILY DISCHARGE in second-feet of SAN GABRIEL - M.W.D. OUTLET BELOW SAN BERNADINO RD. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	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	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0

YEAR OR PERIOD

MEAN 0
ACRE-FEET 0

STATION NO. M335-R

DAILY DISCHARGE in second-feet of SAN GABRIEL - M.W.D. OUTLET BELOW SAN BERNADINO RD. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	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	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0

YEAR OR PERIOD

MEAN 0
ACRE-FEET 0

STATION NO. M335-R

DAILY DISCHARGE in second-feet of SAN GABRIEL - M.W.D. OUTLET BELOW SAN BERNADINO RD. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	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	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	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0

YEAR OR PERIOD

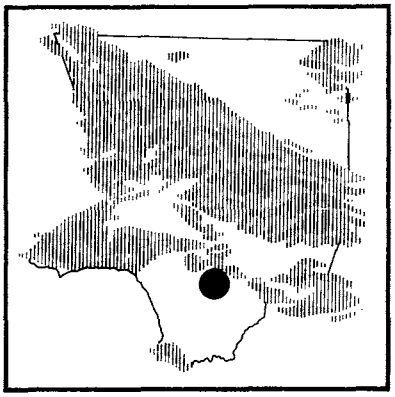
MEAN 0
ACRE-FEET 0

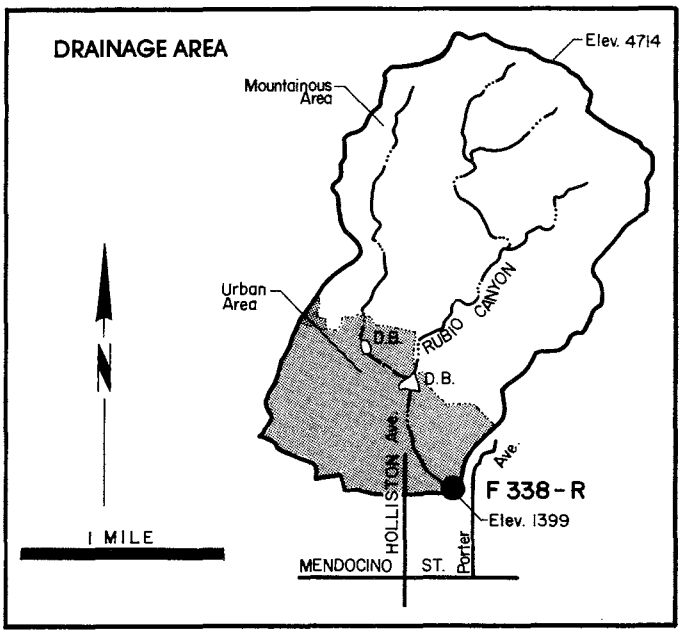
STA. NO. M335-R
SAN GABRIEL RIVER - MWD OUTLET BELOW RAMONA ROAD

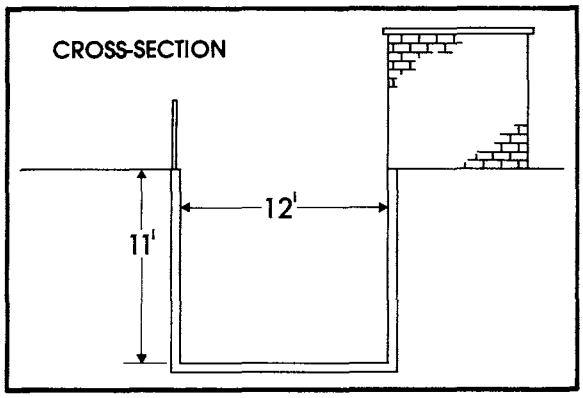
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	ANNUAL TOTAL A.F.
1957-58	210	0	57.2	41400
1958-59	213	0	41.9	30320
1959-60	246	0	59.5	43190
1960-61	347	0	93.5	67680
1961-62	337	0	186.0	134510
1962-63	305	0	82.7	59850
1963-64	316	0	81.2	58970
1964-65	344	0	145.0	104860
1965-66	349	0	101.0	72830
1966-67	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	0
1970-71	0	0	0.0	0
1971-72	0	0	0.0	0
1972-73	234	0	12.5	9050
1973-74	253	0	24.7	17860
1974-75	18	0	+	35
1975-76	120	0	4.4	3280
1976-77	161	0	17.3	12514
1977-78	0	0	0.0	0
1978-79	0	0	0.0	0
1979-80	0	0	0.0	0

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

RUBIO DIVERSION CHANNEL
below Goosebury Inlet
STATION NO. F338-R







RECORDER- 15 minute punched tape.
METHOD OF MEASUREMENTS- low flows measured by wading. High flows measured from steel footbridge 27 feet above station.
DRAINAGE AREA- 2.1 square miles.
LOCATION- on the north bank, 375 feet upstream of Crest Drive, three and one-half miles northeast of Pasadena.
REGULATION- flow partially regulated by Rubio and Gooseberry Debris Basins.
DIVERSIONS- Rubio Canyon Land and Water Association diverts low flows in Rubio Canyon.
CHANNEL- rectangular concrete, 12 feet wide and 11 feet deep.
CONTROL- channel forms control.
LENGTH OF RECORD- December 16, 1959 to date.

STATION NO. F338-R

DAILY DISCHARGE in second-feet of RUBIO DIV. CH. BELOW GOOSEBERRY CANYON INLET FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.4	+	+	0.6	2.8	39.5	1.8	5.1	5.1	2.8	1.6	0.6
2	0.4	+	+	0.6	1.8	28	2.0	5.9	4.3	2.8	1.6	0.6
3	0.4	+	+	1.0	1.4	9.0	2.8	6.7	4.3	2.8	1.6	0.6
4	0.4	0.6	+	4.3	1.4	76.3	1.8	6.7	4.3	2.8	1.6	0.6
5	0.4	+	+	1.4	1.8	30.6	1.8	6.7	4.3	2.0	1.6	1.0
6	0.4	+	+	1.4	1.8	13.4	2.9	6.7	5.1	2.0	1.6	1.4
7	0.4	+	+	0.8	2.0	7.5	1.4	6.7	5.1	2.0	1.4	1.4
8	0.4	+	+	0.8	2.8	5.9	1.4	6.7	5.1	2.0	1.4	1.0
9	0.4	0	+	1.6	18	4.3	1.4	7.5	5.1	2.0	1.4	1.0
10	0.4	+	+	4.6	28.9	3.6	1.6	7.5	5.1	2.0	1.4	1.0
11	0.4	+	+	4.3	2.8	3.6	1.8	7.5	5.1	2.0	1.4	1.0
12	0.4	+	0.2	3.6	2.8	2.8	2.8	8.2	5.1	2.0	1.4	0.8
13	0.4	+	0.2	2.8	1.8	3.7	2.8	8.2	5.1	2.0	1.4	1.0
14	0.4	+	+	4.8	1.8	1.2	3.6	8.2	5.1	2.0	1.4	1.0
15	0.4	+	+	6.4	1.8	1.2	4.9	8.2	5.1	2.0	1.6	0.6
16	0.4	+	+	10.4	2.0	1.2	1.2	7.5	5.1	2.0	1.4	0.4
17	0.4	+	1.0	1.8	3.6	1.2	1.2	8.2	5.1	2.0	1.8	1.0
18	0.4	+	2.0	2.0	5.1	1.2	1.2	9.0	4.3	1.8	1.4	1.0
19	0.4	+	0.2	3.6	5.9	1.4	1.2	7.5	4.3	1.8	1.4	1.2
20	0.4	+	+	5.1	5.9	1.8	1.4	6.7	4.3	1.8	1.4	1.4
21	0.4	+	0.2	4.3	5.1	1.4	1.6	8.7	4.3	1.8	1.2	1.2
22	0.4	+	0.2	4.3	5.1	1.4	1.8	6.7	4.3	2.0	1.2	1.0
23	0.4	+	0.2	4.3	5.1	1.2	2.8	6.7	4.3	1.8	0.8	0.6
24	0.4	+	+	4.3	5.1	1.2	3.6	6.7	4.3	1.8	0.6	0.6
25	0.4	+	0.6	3.6	5.1	1.4	1.8	6.7	3.6	1.8	0.6	0.6
26	0.4	0.2	1.8	2.8	5.1	1.6	2.0	6.7	2.8	2.0	0.6	0.6
27	0.4	0.2	1.6	2.0	3.6	2.8	3.6	6.7	3.6	1.8	0.6	0.6
28	0.2	0.2	9.9	1.6	9.5	4.3	4.3	6.7	3.6	1.8	0.6	0.6
29	+	+	0.8	1.4		5.9	4.3	5.9	3.6	1.8	0.6	0.6
30	0.2	0.2	0.6	1.6		4.3	4.3	5.1	3.6	1.8	0.6	0.6
31	+		0.6	2.8		1.6		5.1		1.8	0.6	
MEAN	0.4	0	0.6	3.1	5.0	8.5	2.4	6.9	4.5	2.0	1.2	0.9
	22.2	2.8	39.9	188	277	525	141	427	267	125	75	50.8

YEAR OR PERIOD MEAN 3.0
ACRE-FEET 2,140

STATION NO. F338-R

DAILY DISCHARGE in second-feet of RUBIO DIV. CH. BELOW GOOSEBERRY CANYON INLET FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.6	0.4	0.6	0.2	1.8	0.8	2.0	1.4	0.6	0.2	0.2	0.2
2	0.6	0.6	0.2	0.2	1.8	0.8	2.8	1.2	0.6	0.2	0.2	0.2
3	0.6	0.6	0.2	0.2	1.8	0.8	2.8	1.2	0.6	0.2	0.2	0.2
4	0.6	0.6	0.2	0.2	1.6	0.8	2.8	1.2	0.6	0.2	0.2	0.2
5	0.6	0.4	0.2	1.6	1.6	0.8	2.8	0.6	0.8	0.2	0.2	0.2
6	0.6	0.4	+	1.2	1.4	0.8	2.8	0.8	0.8	0.2	0.2	0.2
7	0.6	0.4	+	0.6	1.4	0.8	2.8	1.2	1.0	0.2	0.2	+
8	0.6	0.4	0.2	0.6	1.2	0.8	2.8	1.2	0.8	0.2	0.2	+
9	0.6	0.4	0.2	0.8	1.0	0.8	2.8	1.0	0.6	0.2	0.2	+
10	0.6	1.2	0.4	0.8	1.0	0.8	2.8	1.0	0.4	0.2	0.2	+
11	0.6	1.2	0.2	0.4	0.8	0.8	2.8	1.0	0.4	0.2	0.2	+
12	0.6	0.2	0.2	0.2	0.8	0.8	2.8	1.0	0.4	0.2	0.2	+
13	0.6	0.6	0.2	0.2	0.8	1.6	2.8	0.8	0.4	0.4	0.2	+
14	0.6	0.4	0.2	0.6	1.0	0.8	1.2	0.4	0.4	0.4	0.2	0
15	0.6	0.4	0.2	1.2	0.6	0.8	1.4	0.8	0.6	0.2	0.2	0
16	0.6	0.4	0.2	1.6	1.6	0.8	1.4	1.0	0.4	0.2	0.2	0
17	0.6	0.4	1.4	1.4	0.8	1.4	1.4	1.0	0.4	0.2	0.2	+
18	0.6	0.4	1.8	1.4	0.8	1.4	1.2	1.0	0.4	0.2	0.2	0
19	0.6	0.4	1.0	1.0	0.8	1.4	1.2	0.8	0.4	0.2	0.2	0
20	0.8	0.4	0.4	0.8	0.8	1.4	1.4	0.4	0.4	0.2	0.2	0
21	0.6	0.8	0.4	0.6	5.1	1.0	1.8	0.4	0.4	0.2	0.2	0
22	0.6	0.6	0.4	0.6	5.1	1.0	1.6	0.6	0.4	0.2	0.2	0
23	0.4	0.4	0.4	0.6	0.8	0.8	0.8	0.8	0.4	0.2	0.2	0
24	0.4	0.4	0.2	0.6	0.8	0.8	0.8	0.6	0.4	0.2	0.2	0
25	0.4	0.2	0.2	0.6	0.8	1.0	0.8	0.4	0.4	0.2	0.2	0
26	0.4	0.2	0.2	0.4	0.8	0.8	1.2	0.4	0.4	0.2	0.2	0
27	0.6	0.2	0.2	0.4	0.8	3.1	1.4	0.4	0.4	0.2	0.2	0
28	0.6	0.4	0.2	0.2	0.8	4.0	1.0	0.6	0.4	0.4	0.4	0
29	0.6	0.8	0.2	0.2		1.0	1.2	0.4	0.2	0.4	0.4	0
30	0.8	0.2	0.2	0.8		0.8	1.4	0.6	0.2	0.2	0.2	0
31	0.4		0.2	1.6		1.2		0.6		0.2	0.2	
MEAN	0.6	0.5	0.3	0.7	1.4	1.1	1.9	0.8	0.5	0.2	0.2	+
	35.7	28.6	21.4	43.2	76.2	68.8	113	49.2	29	13.9	13.1	2.4

YEAR OR PERIOD MEAN 0.7
ACRE-FEET 495

STATION NO F338-R

DAILY DISCHARGE in second-feet of RUBIO DIV. CH. BELOW GOOSEBERRY CANYON INLET FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.2	1.0	0.8	0.6	6.7	0.2	20.7	17.1	1.6	3.6	9.0	7.5
2	0.4	0.8	0.8	0.6	9.0	7.0	22.5	17.1	1.6	4.3	9.0	7.5
3	0.4	0.8	0.8	0.6	9.8	4.3	22.5	17.1	1.4	4.3	9.8	7.5
4	0.4	0.8	0.8	0.6	9.8	1.8	22.5	17.1	2.8	5.1	11.6	6.7
5	0.4	0.8	0.8	0.8	9.0	8.1	22.5	17.1	17.1	5.9	11.6	6.7
6	0.4	0.8	0.8	0.8	13.4	14	20.7	17.1	13.4	5.9	11.6	6.7
7	0.4	0.8	0.8	1.0	9.8	9.8	20.7	17.1	13.4	6.7	9.8	5.9
8	0.4	1.0	0.8	0.8	17.1	9.8	20.7	17.1	13.4	7.5	9.8	5.9
9	1.2	0.8	0.8	8.6	17.1	9.8	20.7	18.9	11.6	7.5	9.8	4.3
10	0.8	0.8	0.6	2.8	11.6	9.0	20.7	17.1	11.6	8.2	11.6	4.3
11	0.6	0.8	0.6	2.8	9.8	8.2	18.9	15.3	11.6	8.2	13.4	5.9
12	0.6	0.8	0.6	2.0	9.8	8.2	20.7	15.3	11.6	8.2	20.7	5.9
13	0.6	0.8	0.6	2.0	15.3	8.2	20.7	17.1	11.6	8.2	17.1	6.7
14	0.6	0.6	0.6	19.7	29.5	9.0	20.7	17.1	11.6	8.2	15.3	6.7
15	0.6	0.8	0.6	6.7	65.1	9.8	22.5	17.1	11.6	8.2	13.4	5.9
16	0.6	0.8	0.6	5.1	38.8	13.4	22.5	17.1	7.5	8.2	9.0	5.9
17	0.6	0.8	0.6	5.1	9.0	17.1	22.5	15.3	3.6	8.2	8.2	5.9
18	1.0	1.0	0.6	3.6	14	24.4	22.5	15.3	3.6	8.2	7.5	5.9
19	1.6	0.8	0.6	2.0	92.9	8.2	22.5	17.1	3.6	8.2	7.5	5.9
20	3.4	0.8	0.6	5.9	52.3	18.9	22.5	17.1	3.6	9.0	7.5	5.9
21	1.0	0.8	1.2	7.5	53.9	20.7	20.7	7.5	4.3	9.0	7.5	5.1
22	1.0	0.8	0.8	9.8	67.5	20.7	18.9	1.6	4.3	8.2	7.5	5.1
23	0.8	0.8	0.6	11.6	15.3	20.7	20.7	1.8	4.3	9.0	6.7	5.1
24	1.0	0.8	1.0	9.8	11.6	20.7	20.7	1.6	3.6	8.2	6.7	5.1
25	0.8	0.8	1.2	8.2	5.1	17.1	20.7	1.6	2.8	8.2	6.7	5.1
26	0.6	0.8	0.6	5.1	0.4	17.1	20.7	1.6	2.8	9.0	5.9	5.1
27	0.6	0.8	0.8	2.8	0.4	18.9	20.7	1.8	2.8	9.0	5.9	5.1
28	0.6	0.8	0.8	2.9	0.2	20.7	18.9	1.6	3.6	9.0	5.9	5.1
29	0.6	0.8	0.8	108	0.2	20.7	20.7	1.6	2.8	9.0	7.5	5.1
30	0.8	0.8	0.8	5.1		20.7	18.9	1.6	2.8	8.2	8.2	4.3
31	1.0		0.8	5.1		20.7		1.6		8.2	8.2	
MEAN	0.8	0.8	0.7	8.0	20.8	13.5	21.1	11.6	6.7	7.6	9.7	5.8
	47.6	48.4	46	492	1,200	829	1,250	715	400	470	595	345

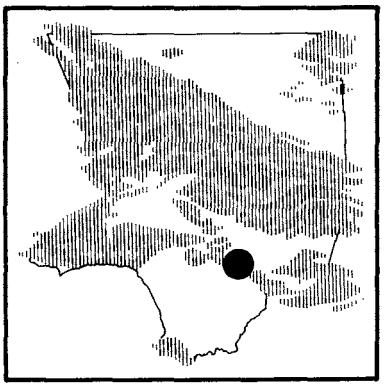
YEAR OR PERIOD MEAN 8.9
ACRE-FEET 6,440

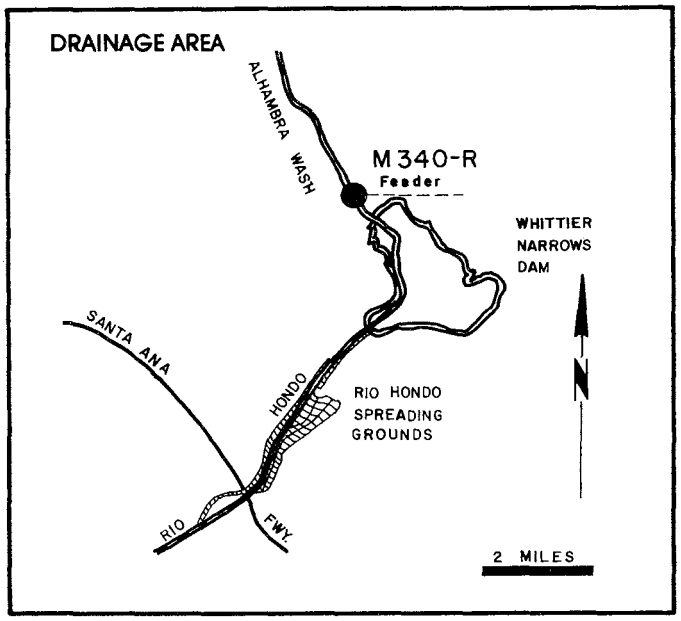
STA NO. F338-R
RUBIO DIVERSION CHANNEL BELOW GOOSEBERRY INLET

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1959-60	0.8	0	0.0	8.8	1	11	8.6
1960-61	0.8	0	0.0	6	1	26	5.4
1961-62	7.9	0	0.1	62	2	11	22
1962-63	2.6	0	0.0	20	2	10	32
1963-64	0.8	0	0.0	14	1	21	7.9
1964-65	1	0	0.0	30	11	9	21
1965-66	18.3	0	0.3	206	12	29	63
1966-67	12.5	0	0.2	127	1	22	43
1967-68	18.2	0	0.2	112	11	19	267
1968-69	254	0	4.2	3050	1	25	880
1969-70	11.7	0	0.4	272	2	28	146
1970-71	36	0	0.6	413	11	29	266
1971-72	M	M	M	M			M
1972-73	58	+	1.5	1098	1	18	114
1973-74	22.6	+	2.8	1994	11	18	76
1974-75	11	+	0.9	627	3	6	85
1975-76	13	0	0.6	431	2	9	88
1976-77	4.8	0	0.5	384	5	9	47
1977-78	76.3	0	3.0	2141	3	4	276
1978-79	5	0	0.7	494	3	28	71
1979-80	108	0.2	8.9	6438	2	19	1400

M = DATA MISSING
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0

ALHAMBRA WASH
near Rush Street
STATION NO. M340-R





RECORDER- continuous totalizing recorder with Venturi control.

LOCATION- latitude 34° 03' 06", longitude 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.

REGULATION AND DIVERSION- regulation entirely regulated by a gated outlet on The Metropolitan Water District middle feeder.

LENGTH OF RECORD- March 28, 1958 to date.

REMARKS- 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.

STATION NO. M340-R

DAILY DISCHARGE in second-feet of ALHAMBRA WASH - M.W.D. OUTLET ABOVE RUSH ST. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	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	35.4	0	0	0	0	0	0	0
22	0	0	0	0	43.8	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
MEAN	0	0	0	0	2.8	0	0	0	0	0	0	0
	0	0	0	0	157	0	0	0	0	0	0	0

YEAR OR PERIOD MEAN 0.2
ACRE-FEET 157

STATION NO. M340-R

DAILY DISCHARGE in second-feet of ALHAMBRA WASH - M.W.D. OUTLET ABOVE RUSH ST. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	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	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0

YEAR OR PERIOD

MEAN 0
ACRE-FEET 0

STATION NO. M340-R

DAILY DISCHARGE in second-feet of ALHAMBRA WASH - M.W.D. OUTLET ABOVE RUSH ST. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	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	29.2
19	0	0	0	0	0	0	0	0	0	0	0	44.8
20	0	0	0	0	0	0	0	0	0	0	0	14
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
MEAN	0	0	0	0	0	0	0	0	0	0	0	2.9
	0	0	0	0	0	0	0	0	0	0	0	175

YEAR OR PERIOD

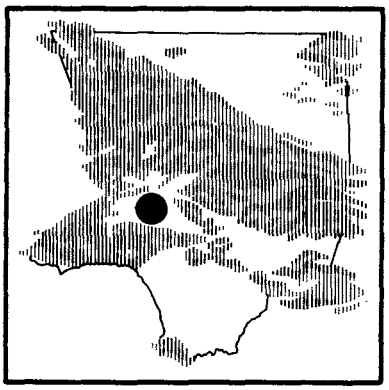
MEAN 0.2
ACRE-FEET 175

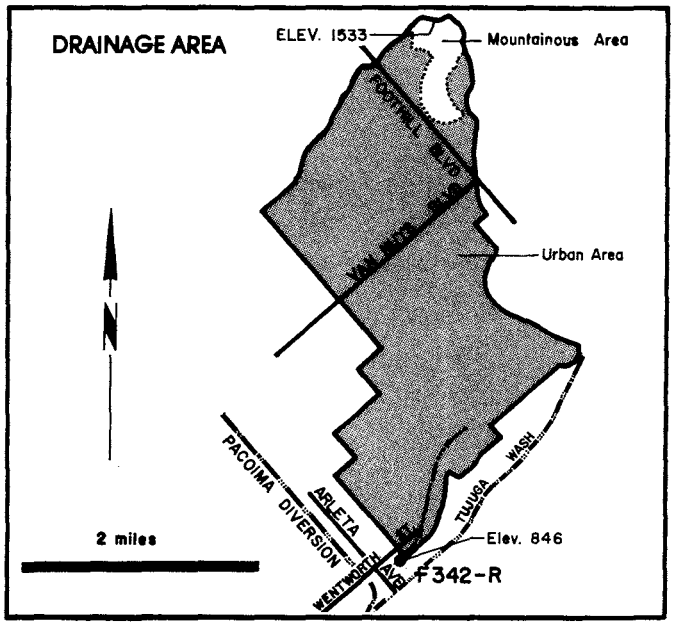
STA. NO. M340-R
ALHAMBRA WASH - MWD OUTLET NEAR RUSH STREET

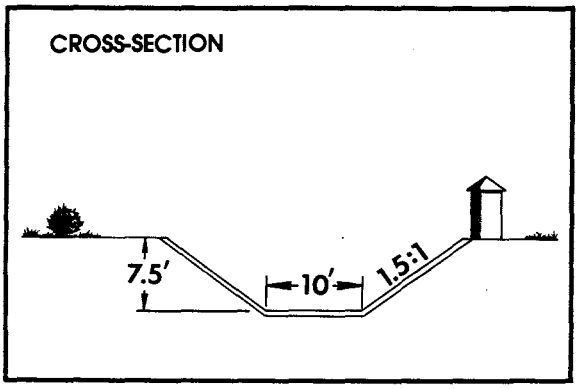
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	ANNUAL TOTAL A.F.
1957-58	275	0	87.7	63510
1958-59	259	0	33.3	24090
1959-60	248	0	54.5	39540
1960-61	246	0	97.0	70170
1961-62	243	0	102.0	73810
1962-63	189	0	28.1	20320
1963-64	235	0	63.3	45920
1964-65	232	0	91.8	66480
1965-66	240	0	85.8	62110
1966-67	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	0
1972-73	200	0	6.2	4520
1973-74	1.6	0	+	3
1974-75	19	0	0.1	68
1975-76	19	0	0.1	43.6
1976-77	209	0	20.0	14511
1977-78	43.88	0	0.2	157
1978-79	0	0	0.0	0
1979-80	44.8	0	0.2	174.5

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

BRADFORD STREET CHANNEL
below Sharp Avenue
STATION NO. F342-R







RECORDER- 15 minute punched tape.
METHOD OF MEASUREMENTS- low flows measured by wading. High flows measured by floats.
DRAINAGE AREA- 5.01 square miles.
LOCATION- on the south bank of channel, 125 feet downstream from Sharp Avenue, about 3.6 miles south of San Fernando.
REGULATION- flow from Lopez Creek is diverted to Hansen Dam at the mouth of Lopez Canyon.
CHANNEL- trapezoidal, 10 feet wide at bottom and 7.5 feet deep with 1. 5 to 1 side slopes.
CONTROL- channel forms control.
LENGTH OF RECORD- January 12, 1962 to date.

STATION NO. F342-R

DAILY DISCHARGE in second-feet of BRADFORD STREET CHANNEL BELOW SHARP AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	+	+	+	+	+	87.7	0.1	+	0.1	+	+	+
2	+	+	+	+	+	28.6	+	+	0.2	+	+	+
3	+	+	+	6.6	+	6.5	+	+	+	+	+	+
4	+	+	+	24.7	+	126	4.3	+	+	+	+	+
5	+	0.1	+	+	12.5	16.4	+	+	0.2	+	+	+
6	+	0	+	19.3	10.5	0.2	10.9	+	0.1	+	+	8.9
7	+	+	+	+	21.3	0.1	0.9	+	0.1	+	0.2	1.0
8	+	+	+	+	18.7	+	+	+	0.4	+	0.1	+
9	+	+	+	16.3	78.7	0.2	+	+	0.4	+	+	+
10	+	+	+	27.4	69	+	+	+	0.4	+	+	+
11	+	+	+	0.1	2.2	6.6	+	+	0.3	+	+	+
12	+	+	+	+	38.1	0.1	+	+	0.2	+	+	+
13	+	0	+	7.0	4.5	+	+	+	0.2	+	+	+
14	+	+	+	39.1	1.3	+	+	0.1	0.2	+	+	+
15	0.1	+	+	21	1.3	+	27.6	0.2	0.1	+	+	+
16	+	+	+	55.8	0.9	+	0.1	+	0.1	+	+	+
17	+	+	4.8	0.1	0.9	+	+	+	+	+	+	+
18	+	+	3.8	3.3	0.9	+	+	+	+	+	+	+
19	+	+	+	6.0	0.9	+	+	+	+	+	+	+
20	+	0	+	+	0.9	+	+	0.1	+	+	+	+
21	0	+	0.2	+	0.9	6.8	+	0.1	+	+	+	+
22	0	+	+	+	0.5	32.1	+	0.2	+	+	+	+
23	+	0	+	+	0.5	+	+	+	+	+	+	+
24	+	0	+	+	0.5	+	+	+	+	+	+	+
25	+	0	2.4	+	0.5	+	2.2	+	0.1	+	+	+
26	+	+	31.3	+	1.3	+	+	0.1	0.2	+	+	+
27	0	0	12.8	+	2.6	+	+	0.1	0.1	+	+	+
28	0	+	71.8	+	65.5	+	+	0.1	0.1	+	+	+
29	+	+	0.3	+		+	+	0.2	0.1	+	+	+
30	+	+	+	+		7.2	+	0.1	0.2	+	+	+
31	+		+	+		15.4		0.1		+	+	
MEAN	0	0	4.1	7.3	12	10.8	1.5	0	0.1	0	0	0.3
	0.2	1.6	253	450	664	662	91.4	2.8	7.5	+	0.6	19.6

YEAR OR PERIOD - MEAN 3.0
ACRE-FEET 2,150

STATION NO. E342-R

DAILY DISCHARGE in second-feet of BRANFORD STREET CHANNEL BELOW SHARP AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.1	+	0.3	+	3.8	15.4	+	0.1	0.1	0.2	0.3	0.2
2	0.1	+	+	+	23.2	+	+	+	0.1	0.2	0.1	0.1
3	0.1	0.1	+	+	0.2	+	0	0.1	0.1	0.2	0.1	+
4	0.1	+	+	+	0	+	0	0.1	+	0.1	0.2	0.1
5	0.2	0.8	+	61.8	+	+	+	0.1	0.1	+	0.2	0.1
6	0.1	+	+	1.2	0	+	+	0.1	+	0.1	0.2	+
7	0.1	+	0	+	0	+	+	0.1	0.3	0.1	+	0.2
8	0.1	0.1	0	+	0	+	+	0.1	+	0.1	0.1	0.1
9	0.1	0.1	0	2.0	+	+	+	0.1	0.1	0.3	0.1	0.1
10	0.1	8.2	+	0	+	+	+	0.2	0.1	0.2	0.2	0.2
11	0.1	7.6	+	+	+	+	0.2	0.1	0.1	0.1	0.1	0.1
12	0.1	+	+	+	0	+	+	+	0.2	0.1	0.1	0.1
13	0.1	4.7	+	+	1.9	3.3	+	+	0.2	0.1	1.8	0.4
14	0.1	+	+	3.6	8.1	0.2	+	+	0.3	0.3	1.3	0.2
15	+	+	+	79.6	+	0.1	+	+	0.2	0.2	0.5	0.2
16	+	+	+	30.7	+	1.1	+	+	0.1	0.2	0.3	0.1
17	+	+	5.7	+	+	16.4	+	+	0.1	0.2	0.2	0.1
18	0.1	+	26.1	1.3	+	4.0	+	+	0.2	0.2	+	0.1
19	0.2	+	4.0	+	0.1	10.8	+	0.1	0.1	0.2	0.1	0.1
20	+	+	+	+	5.3	2.7	+	0.2	0.2	0.2	0.1	0.1
21	0.2	5.6	+	+	18.5	+	+	+	0.2	0.1	0.2	0.2
22	0.1	21.9	+	+	0.5	+	+	0.1	0.2	0.1	0.2	0.3
23	+	+	+	+	5.7	+	+	0.1	0.1	0.2	0.3	0.1
24	0.2	+	+	0	+	+	+	0.1	0.2	0.2	0.1	0.2
25	+	+	+	+	0	+	+	0.1	0.2	0.1	0.2	0.5
26	+	0.1	+	0	0	+	0.1	0.1	0.3	0.1	0.1	0.9
27	+	0.1	+	0	0	60.4	0.1	+	0.2	0.1	0.2	0.5
28	0.1	0.1	+	+	0	25.3	0.1	0.1	0.1	0.1	0.2	0.4
29	0.1	0.1	+	0		0.2	+	0.1	0.2	0.2	0.2	0.3
30	0.2	0.1	+	12.5		+	0.1	0.1	0.1	0.3	0.2	0.3
31	0.1		+	20		+		0.1		0.2	0.1	
MEAN	0.1	1.7	1.2	6.9	2.4	4.5	0	0.1	0.1	0.2	0.3	0.2
	5.6	98.4	71.6	422	133	277	1.2	4.6	8.7	9.9	15.9	12.5

YEAR OR PERIOD MEAN 1.5
ACRE-FEET 1,060

STATION NO. E342-R

DAILY DISCHARGE in second-feet of BRANFORD STREET CHANNEL BELOW SHARP AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.3	+	+	0.2	+	+	+	1.0	+	0.1	0.1 E	0.1
2	0.3	+	+	0.2	+	44.5	+	+	+	0.1	0.1 E	0.1
3	0.4	0.1	+	0.2	+	10.7	+	+	+	0.1	0.1 E	0.1
4	0.4	+	+	0.2	+	+	+	+	+	+	0.1 E	0.1
5	0.4	+	+	0.2	+	13.8	+	+	+	+	0.1 E	0.1
6	0.3	+	+	0.2	+	21.5	0.2	0.1	0.1	+	0.1 E	0.1
7	0.3	13.8	E +	0.2	+	0.2	+	+	+	+	0.1 E	0.1
8	0.3	0.2	E +	0.2	+	+	+	+	+	+	0.1 E	0.1
9	0.1	+	E +	0.2	+	+	+	0.1	0.1	+	0.1 E	0.1
10	+	+	E +	0.2	+	+	+	0.2	0.2	+	0.1 E	0.1
11	0.1	+	E +	0.2	+	+	+	+	0.1	0.1	0.2 E	0.1
12	0.2	+	E +	0.2	+	+	+	+	0.1	0.1	0.3 E	0.1
13	0.2	+	E +	0.2	36.2	+	+	+	0.1	+ E	0.1 E	0.1
14	0.1	+	E +	0.2	47.3	+	+	+	+	0.1 E	0.1 E	0.1
15	0.1	+	E +	0.2	45.8	+	+	+	0.1	0.1 E	0.1 E	0.1
16	0.1	+	E +	0.2	158	+	+	+	0.1	0.3 E	0.2 E	0.1
17	0.1	0.1	E +	0.1	26.6	+	0.1	+	0.2	0.2 E	0.2 E	0.1
18	0.1	+	E +	0.1	17.9	13	0.1	+	0.2	0.2 E	0.1 E	0.1
19	4.3	+	E +	0	78.7	+	+	+	0.2	0.1 E	0.1 E	0.1
20	10.4	0	E +	0	15	+	+	0.1	0.2	0.1 E	0.1 E	0.1
21	+	0	E +	0	1.3	+	+	2.0	0.2	0.1 E	0.1 E	0.1
22	+	0	E +	0	0.1	+	10.2	0.1	0.1	0.1 E	0.1 E	0.1
23	+	+	E +	0	+	+	+	+	0.3	0.1 E	0.1 E	0.1
24	+	+	E 11	0	+	+	+	+	0.2	0.1 E	0.1 E	0.1
25	+	0.1	E 3.0	+	+	4.6	+	+	0.2	0.1 E	0.1 E	0.1
26	+	+	E +	+	+	+	0.2	+	+	0.2	0.1 E	0.1 E	0.1
27	+	+	E +	1.7	+	+	+	+	0.2	0.1 E	0.1 E	0.1
28	+	+	E +	42.5	+	+	4.9	+	0.2	0.1 E	0.1 E	0.1
29	+	+	E +	31.4	+	+	+	+	0.1	0.1 E	0.1 E	0.1
30	+	+	E +	0.1		+	+	0.1	0.1	0.1 E	0.1 E	0.1
31	+		E +	+		+		+		0.1 E	0.1	
MEAN	0.6	0.5	0.5	2.6	14.7	3.5	0.5	0.1	0.1	0.1	0.1	0.1
	36.7	28.4	27.8	157	847	215	30.7	7.3	6.9	5.4	7.1	6.0

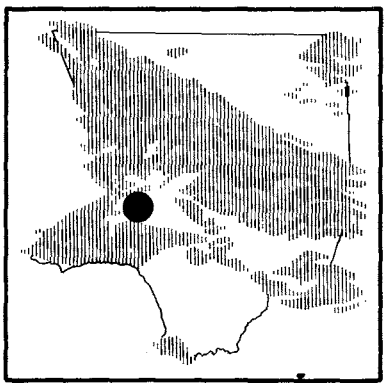
YEAR OR PERIOD MEAN 1.9
ACRE-FEET 1,380

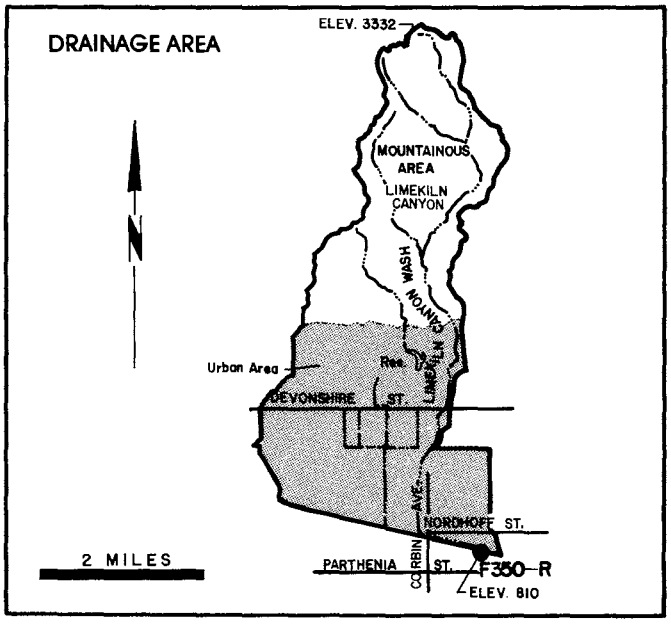
STA. NO. F342-R
BRANFORD STREET CHANNEL BELOW SHARP AVENUE

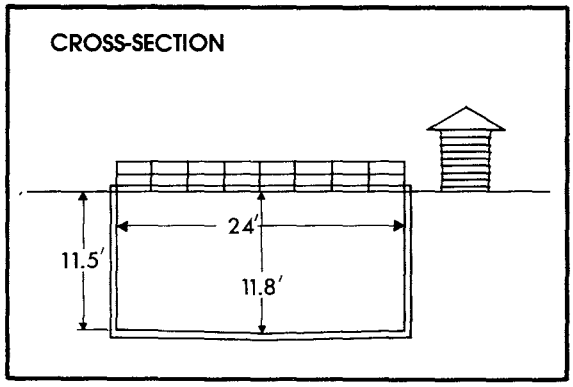
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1961-62	118	0	1.0*	743*	2	19	206
1962-63	46	0	0.6	415	4	26	284
1963-64	32	0	0.5	375	3	22	275
1964-65	56	0	0.8	571	4	9	261
1965-66	110	0	1.4	982	12	29	587
1966-67	79	0	1.2	870	11	7	445
1967-68	120	0	1.0	693	11	21	576
1968-69	160	0	3.0	2190	2	25	738
1969-70	65	0	1.0	724	2	9	462
1970-71	175*	0	1.6*	1162*	11	29	990*
1971-72	50	0	0.5	360	12	24	233
1972-73	50	0	2.1	1530	2	11	771
1973-74	90	0	1.0	710	1	7	412
1974-75	75	+	0.9	668	3	6	882
1975-76	61	0	0.8	550	9	10	742
1976-77	66.9	0	0.9	633	5	9	490
1977-78	126	0	3.0	2153	2	10	1160
1978-79	80	0	1.5	1052	3	27	823
1979-80	158	0	1.9	1380	2	19	1530

\+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0
* = RECORD INCOMPLETE

LIMEKILN CREEK
above Aliso Creek
STATION NO. F350-R







RECORDER- 15 minute punched tape.
METHOD OF MEASUREMENTS- low flows measured by wading. High flows measured from a steel footbridge 10 feet above the gage.
DRAINAGE AREA- 10.3 square miles.
LOCATION- on the south bank, 1,600 feet above Aliso Creek and one mile west of Northridge.
REGULATION- flow partly regulated by Limekiln Debris Basin.
CHANNEL- rectangular concrete.
LENGTH OF RECORD- see station summary.

STATION NO. F350-R

DAILY DISCHARGE in second-feet of LIMEKILN CREEK ABOVE ALISO CREEK FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.1	0.1	0.2	+	+	226	0.6	0.4	0.2	0.4	0.2	0.5
2	0.1	0.1	0.1	+	+	65.6	0.6	0.4	0.5	0.3	0.2	0.6
3	0.2	0.1	0.1	11	+	16.6	0.6	0.4	1.7	0.3	0.2	0.5
4	0.2	0.1	0.1	74.3	+	418	7.9	0.5	1.3	0.5	0.3	0.6
5	0.2	2.1	0.1	0.5	35.5	97.4	0.5	0.4	1.3	0.3	0.2	24
6	0.1	0.2	0.3	30.2	11.7	10.4	17	0.4	1.0	0.2	0.3	4.9
7	0.1	0.1	0.1	0.3	43.2	7.3	2.8	0.4	0.6	0.2	0.4	+
8	0.1	0.1	+	0.1	61.6	5.0	0.6	0.3	0.6	0.2	0.5	+
9	0.1	0.1	+	148	323	6.0	0.5	0.3	0.4	0.2	0.5	0.1
10	0.1	0.1	+	73.6	87.6	3.5	0.5	0.3	0.2	0.4	0.5	0.1
11	0.1	0.1	+	0.6	3.5	3.1	0.5	0.4	0.2	0.4	0.5	0.2
12	0.1	0.1	+	0.2	88.6	2.8	0.6	0.5	0.2	0.2	0.5	0.1
13	0.2	0.1	+	0.1	9.8	2.4	0.5	0.5	0.3	0.4	0.5	0.1
14	0.4	0.1	+	86.7	1.3	2.8	1.0	0.5	0.2	0.5	0.5	0.1
15	0.4	0.1	+	42.6	1.0	2.8	35.8	0.4	0.3	0.4	0.4	0.1
16	0.2	0.1	+	119	0.6	1.7	1.3	0.4	0.2	0.4	0.4	0.2
17	0.1	0.1	9.1	4.9	0.6	2.4	0.4	0.4	0.3	3.1	0.4	0.1
18	0.1	0.1	1.4	0.5	0.5	2.4	0.4	0.4	0.6	2.0	0.4	0.2
19	0.1	0.1	+	12.2	0.4	2.0	0.6	0.5	0.4	0.6	0.5	+
20	0.2	0.1	+	0.3	0.4	2.0	0.6	0.5	0.4	0.3	0.4	0.1
21	0.1	+	2.9	0.2	0.4	18.8	0.5	0.5	0.3	0.3	0.4	0.4
22	0.2	+	+	0.1	0.4	46.1	0.6	0.4	0.3	0.3	0.4	0.4
23	0.2	+	+	0.1	0.3	3.1	1.0	0.4	0.6	0.3	0.4	0.5
24	0.2	+	+	+	0.3	2.0	1.3	0.4	0.4	0.4	0.4	0.5
25	0.1	0.1	5.0	+	0.4	1.7	2.1	0.4	0.3	0.3	0.5	0.4
26	0.1	0.1	32.2	+	0.4	1.7	0.4	0.4	0.5	0.5	0.5	0.4
27	0.2	0.1	34.4	+	0.5	1.7	0.3	0.6	0.5	0.3	0.4	0.5
28	0.1	0.1	89.9	+	113	1.7	0.4	0.5	0.4	0.4	0.5	0.6
29	0.2	0.2	0.3	+		2.0	0.4	0.4	0.5	0.4	0.6	0.4
30	0.2	0.2	+	+		17.7	0.5	0.3	0.5	0.4	0.5	0.4
31	0.1		+	+		21.6		0.3		0.6	0.4	
MEAN	0.2	0.2	5.7	19.5	28	32.2	2.7	0.4	0.5	0.5	0.4	1.2
	9.7	9.7	349	1,200	1,560	1,980	160	25.6	30.1	30.7	25.4	73.4

YEAR OR PERIOD MEAN 7.6
ACRE-FEET 5,450

STATION NO. F350-R

DAILY DISCHARGE in second-feet of LIMEKILN CREEK ABOVE ALISO CREEK — FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.3	0.6	0.6	+	8.2	25.6	0.3	0.4	0.2	0.2	0.3	0.3
2	0.4	0.2	+	+	39.7	0.3	0.3	0.4	0.2	0.2	0.3	0.3
3	0.2	0.2	0.2	0.2	2.0	0.2	0.3	0.3	0.2	0.3	0.3	0.3
4	0.2	0.2	0.1	0.2	0.4	0.2	0.3	0.3	0.1	1.0	0.3	0.4
5	0.2	0.2	0.1	208	0.3	0.1	0.3	0.4	0.1	0.5	0.4	0.3
6	0.3	0.1	0.1	4.1	0.3	0.2	0.4	0.5	0.1	0.4	0.3	0.3
7	0.2	0.1	0.1	0.1	0.3	0.2	0.3	0.5	0.1	0.3	0.3	0.4
8	0.2	0.2	0.1	0.4	0.2	0.2	0.3	0.5	0.2	0.2	0.2	0.3
9	0.2	0.1	0.1	6.2	0.2	0.2	0.3	0.5	0.1	0.2	2.4	0.4
10	0.2	3.4	0.2	0.1	0.3	0.2	0.3	0.4	0.2	0.1	2.8	1.0
11	0.2	12.2	0.1	+	0.3	0.2	0.3	0.4	0.2	0.1	2.4	0.5
12	0.2	0.1	0.2	+	0.2	0.2	0.4	0.4	0.2	0.1	2.0	0.4
13	0.2	15.3	0.1	+	12.7	4.3	0.4	0.4	0.2	+	2.0	0.3
14	0.4	0.2	0.1	6.7	16.4	0.2	0.4	0.4	0.2	0.3	1.7	0.2
15	0.3	+	0.1	145	0.3	0.5	0.4	0.5	0.2	0.4	1.3	0.2
16	0.2	+	0.1	97.9	0.2	3.2	0.4	0.5	0.2	0.4	1.0	0.2
17	0.2	+	9.1	0.6	0.2	31.8	0.4	0.5	0.1	0.3	1.0	0.2
18	0.2	+	48.7	2.8	0.2	1.4	0.4	0.5	0.1	0.3	0.6	0.2
19	0.3	0.1	4.4	0.2	0.6	2.9	0.3	0.5	0.1	0.3	0.5	0.2
20	0.3	0.1	+	0.1	13.1	3.6	0.4	0.6	0.1	0.3	0.5	0.2
21	0.4	29	+	0.1	53.6	0.2	0.4	0.5	0.1	0.3	0.4	0.2
22	0.3	52.3	+	0.1	6.2	0.2	0.4	0.5	0.2	0.3	0.4	0.2
23	0.2	0.1	+	0.1	9.6	0.3	0.4	0.4	0.2	0.4	0.3	0.3
24	0.4	+	+	0.1	0.3	0.1	0.4	0.4	0.2	0.4	0.3	0.3
25	0.4	+	+	0.1	0.2	0.2	0.4	0.4	0.2	0.4	0.4	0.2
26	0.3	+	+	0.1	0.2	0.5	0.3	0.4	0.2	0.4	0.4	0.2
27	0.3	+	+	0.1	0.2	158	0.4	0.2	0.2	0.4	0.4	0.2
28	0.2	+	+	0.1	0.2	89.7	0.4	0.2	0.2	0.4	0.3	0.2
29	0.2	+	+	0.1		2.0	0.4	0.2	0.2	0.4	0.3	0.3
30	1.3	+	0.2	50		0.5	0.3	0.2	0.2	0.3	0.3	0.3
31	3.1		+	67.9		0.4		0.2		0.3	0.3	
MEAN	0.4	3.8	2.1	19.1	5.9	10.6	0.4	0.4	0.2	0.3	0.8	0.3
	25.8	228	128	1,170	330	650	21.2	24.8	9.9	19.6	48.4	17.9

YEAR OR PERIOD — MEAN 3.7 — ACRE-FEET 2,670

STATION NO. F350-R

DAILY DISCHARGE in second-feet of LIMEKILN CREEK ABOVE ALISO CREEK — FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.2	0.1	0.1	+	0.4	7.3	3.8	E 11.8	2.8	1.7	2.4	1.7
2	0.2	0.1	0.1	0.1	0.4	141	3.8	3.5	2.4	1.7	2.0	1.7
3	0.2	0.1	0.1	+	0.4	37.1	3.8	3.1	2.4	1.7	2.0	1.7
4	0.2	0.1	0.1	0.1	0.3	8.1	3.8	3.1	2.4	1.7	1.7	1.3
5	0.2	0.1	0.1	0.1	0.3	51.9	3.8	3.1	2.4	1.7	1.3	1.0
6	0.3	0.1	0.1	+	0.2	69.4	3.8	3.1	2.8	1.7	1.7	1.3
7	0.2	3.5	0.1	0.7	0.3	10.4	3.8	3.1	3.5	1.7	1.7	1.3
8	0.2	25	0.2	8.0	0.4	9.7	3.8	3.5	3.1	1.3	1.7	1.3
9	0.2	0.1	0.1	110	0.4	8.9	4.2	3.5	3.8	1.3	1.7	1.3
10	0.2	0.1	0.1	22.3	0.4	8.1	3.8	3.8	3.1	1.3	1.7	1.3
11	0.2	+	0.1	62.7	0.4	8.1	3.5	3.1	2.8	1.3	2.0	1.3
12	0.2	+	0.1	20.5	0.3	7.3	3.8	3.1	2.4	1.3	2.0	1.7
13	0.2	+	0.1	27.7	104	7.3	4.2	3.5	2.0	1.3	2.0	1.3
14	0.2	0.1	0.1	5.3	87.7	8.1	4.2	3.1	2.0	2.4	2.0	1.7
15	0.2	+	0.1	0.3	99.5	8.1	4.2	3.1	1.7	1.3	2.0	2.0
16	0.2	+	0.1	5.1	490	8.1	5.0	3.1	1.7	1.7	2.4	1.3
17	0.2	0.7	0.1	1.0	170	8.9	4.2	3.1	1.7	1.3	2.0	1.3
18	0.2	0.1	0.1	0.4	129	10.4	4.2	3.1	2.0	1.7	1.7	1.3
19	2.0	0.1	0.1	0.1	91.5	8.1	5.0	2.4	1.7	1.7	1.7	1.3
20	17.4	0.1	0.1	+	96	8.1	4.2	2.8	1.7	1.7	1.7	1.3
21	+	0.1	2.2	+	21.5	8.1	E 5.0	6.2	2.4	1.7	1.7	1.3
22	+	0.1	0.3	+	6.8	8.1	E 4.2	2.8	2.0	1.3	1.7	1.7
23	+	0.1	0.2	+	4.2	8.9	E 26.5	2.4	1.7	1.3	2.0	2.8
24	+	0.1	32.9	+	3.8	9.7	E 3.8	2.8	1.7	1.3	1.7	2.8
25	+	0.2	5.3	0.1	3.1	19.5	E 4.2	2.8	1.7	1.3	3.7	2.0
26	+	0.1	0.1	0.1	5.1	7.5	E 3.5	2.8	1.7	1.3	3.5	2.4
27	0.1	0.1	+	0.1	7.7	4.2	E 3.1	2.8	2.4	1.3	3.1	2.0
28	+	0.1	+	145	6.8	3.8	E 3.5	3.1	2.0	1.3	2.8	1.7
29	0.1	0.1	+	70.7	6.8	3.8	E 7.3	2.8	1.7	1.7	2.4	1.7
30	+	0.1	+	0.5		4.2	E 2.8	2.4	1.7	2.0	2.0	2.4
31	0.1		+	0.2		3.8		2.8		2.0	1.7	
MEAN	0.8	1.0	1.4	15.5	46.1	16.6	4.8	3.4	2.2	1.5	2.1	1.6
	46.4	62.5	85.5	954	2,650	1,020	287	210	134	95.2	126	97.6

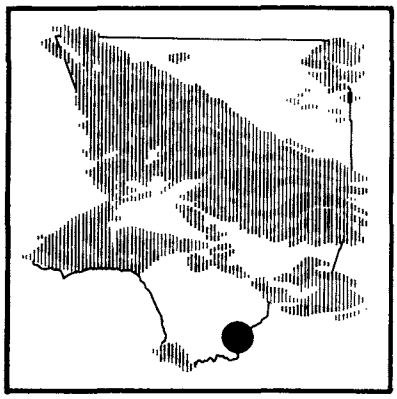
YEAR OR PERIOD — MEAN 8.1 — ACRE-FEET 5,770

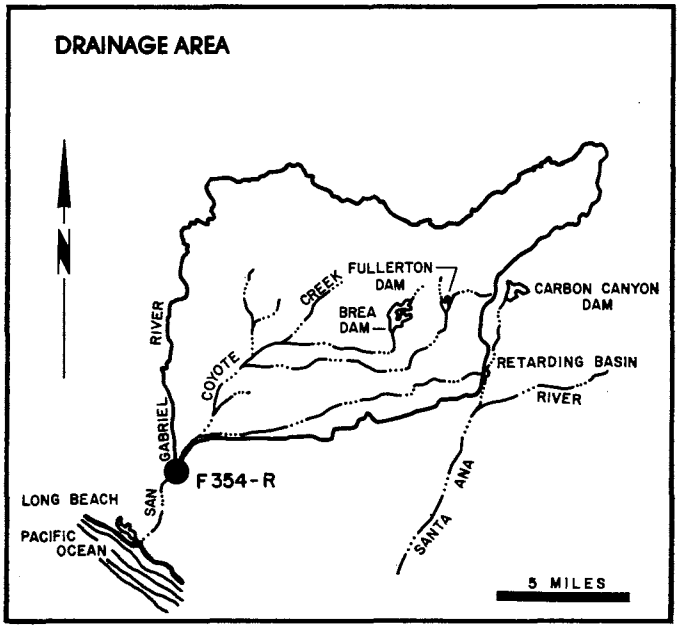
STA. NO. F350-R
LIMEKILN CREEK ABOVE ALISO CREEK

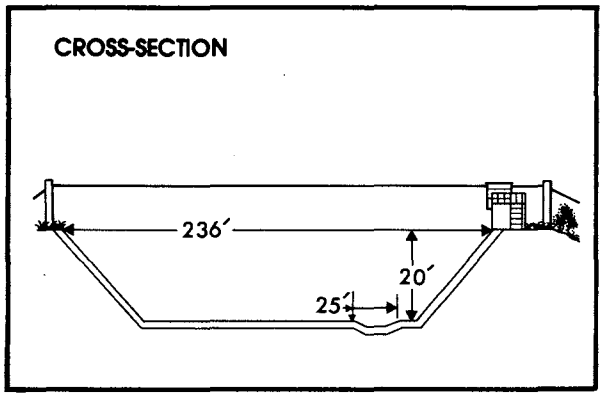
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1961-62A	126	0	1.4*	1000*	2	19	584
1962-63	75	0	0.5	359	2	9	446
1963-64	22	0	0.4	293	3	31	328
1964-65	81	0	1.1	780	4	8	470
1965-66	184	+	2.5	1800	11	17	1860
1966-67	152	+	2.2	1560	1	22	1060
1967-68	195	+	1.8	1330	11	19	2100
1968-69	**	**	**	**	2	23	989
1969-70	**	**	**	**	2	28	956
1970-71	**	**	**	**	11	29	1058
1971-72	**	**	**	**	12	24	493
1972-73	157	+	2.9	2070	1	16	1267
1973-74	212	+	2.2	1582	1	7	621
1974-75	118	+	2.0	1440	3	5	1450
1975-76	56	+	0.9	671	2	8	502
1976-77	114	+	1.8	1273.6	1	2	2140
1977-78	*	*	*	*	3	4	1520
1978-79	1170	0	3.7	2661	3	27	1890
1979-80	490	0	8.1	5770	2	16	3270

A = RECORD BEGAN AT F350-R DECEMBER 26, 1961. RECORDS ALSO AVAILABLE AT STATION F149-R, DEVONSHIRE STREET, NOVEMBER 9, 1939 TO DECEMBER 26, 1961. RECORDS FOR WATER YEARS 1956-61 WERE NOT COMPUTED BECAUSE OF EXTREME SILTING CONDITIONS.
\+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0
* = RECORD INCOMPLETE
** = RECORD NOT COMPUTED

COYOTE CREEK
below Spring Street
STATION NO. F354-R







RECORDER- continuous water stage.

METHOD OF MEASUREMENTS- wading or from cable car.

DRAINAGE AREA- 185.0 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 corelation: 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.

STATION NO. F354-R

DAILY DISCHARGE in second-feet of COYOTE CREEK BELOW SPRING ST. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	3.4	2.8	2.3	6.1	4.9	3,820	76.2	50.7	9.4	10	9.4	5.5
2	3.4	2.5	1.9	8.1	4.9	2,050	54.6	11.3	10.7	11.3	9.4	4.6
3	3.4	2.3	1.9	195	6.1	259	17.3	11.3	10	10.7	5.2	4.0
4	2.8	2.8	3.1	1,180	5.2	4,400	96.4	11.3	10	10	7.4	4.6
5	2.5	8.7	1.9	212	741	1,850	18.6	11.3	10	10	7.4	538
6	3.7	5.2	2.5	722	879	189	59.2	11.3	10.7	10	6.1	167
7	2.5	2.5	1.9	34	956	86.5	272	11.3	10.7	10.7	10	17.3
8	2.3	2.3	1.5	8.1	612	68	124	11.3	10.7	10	9.4	8.7
9	2.5	3.1	1.7	714	3,430	A 118	19.2	11.3	10.7	10	13.3	7.4
10	2.5	3.1	1.9	1,660	2,240	A 49.9	14.6	11.3	10	10	12	7.4
11	1.7	3.4	2.5	117	93.9	143	14.6	11.3	9.4	10	6.8	8.1
12	2.3	4.0	2.1	18.6	1,870	65.6	16	11.3	10	10	9.4	8.1
13	3.1	4.3	2.1	11.3	746	16	16	11.3	14.6	10	5.5	8.7
14	3.4	4.6	2.1	967	95.5	16	18.6	11.3	23.9	10	5.2	8.7
15	3.1	4.3	2.3	1,210	35	23.9	451	10.7	13.3	10.7	6.8	8.1
16	3.4	6.8	2.3	1,300	26.7	28.2	129	11.3	10	10.7	5.5	8.1
17	3.1	8.7	31.5	254	23.9	34.3	19.9	11.3	10	10	5.5	8.1
18	4.0	8.7	268	21.2	42.5	36.2	14.6	10.7	10.7	10.7	6.1	7.4
19	3.7	4.0	3.1	684	60.8	18.6	13.3	10	10	10	6.1	7.4
20	4.3	3.4	1.9	27.6	68	14.6	12	10	10.7	10	5.2	7.4
21	3.4	3.7	40.3	11.3	54.3	17.3	12	10	10.7	10	6.8	7.4
22	2.8	1.5	7.4	10	45.1	307	13.3	10	10.7	10	6.1	7.4
23	3.1	2.1	49.8	9.4	31.3	34.9	13.3	10	10.7	10.7	6.8	8.1
24	3.4	2.3	9.4	8.1	19.9	14.6	13.3	10	10	10.7	6.1	11.3
25	2.5	2.3	125	8.1	5.2	13.3	12	10	10	10.7	7.4	14.6
26	2.8	2.3	1,670	5.2	6.1	13.3	12	10	10	10	5.5	14.6
27	2.8	2.5	248	5.5	56.5	13.3	10.7	10	10	10	5.2	14.6
28	2.5	3.4	1,200	7.4	2,330	14.6	10	10	10	10	5.2	14.6
29	2.5	2.5	1,000	4.6		14.6	11.3	10	10	10	5.5	16
30	2.5	3.4	64.6	8.1		64.2	11.3	9.4	10	10.7	5.2	11.3
31	2.5		10	9.4		393		9.4		10.7	5.2	
MEAN	3.0	3.8	154	304	518	458	52.5	11.9	10.9	10.3	7.0	32.1
	182	225	9,450	18,720	28,740	28,140	3,130	735	650	631	430	1,910

YEAR OR PERIOD MEAN 130
ACRE-FEET 92,940

RECORDS INCOMPLETE 1979

STATION NO. E354-R

DAILY DISCHARGE in second-feet of COYOTE CREEK BELOW SPRING ST. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	8.1	19.8	7.4	16	32.3	40.4	18.6	25.2	D 17.3	10	13.3	D 13.3
2	8.1	15.2	7.4	13.3	27.8	1,470	18.6	45.1	D 17.3	9.4	13.3	D 13.3
3	8.7	16	7.4	13.3	23.1	1,750	19.9	25.2	D 17.3	9.4	13.3	D 13.3
4	8.1	20.5	10	13.3	22	126	19.9	34.3	D 17.3	10	13.3	D 13.3
5	8.1	18.3	8.7	14.6	17.5	540	23.9	18.6	D 17.3	14.6	13.3	D 13.3
6	10.7	24.4	6.8	16	10.7	1,520	29.8	13.3	D 17.3	10	16	D 13.3
7	10.7	149	7.4	140	9.4	121	28.2	13.3	D 17.3	10.7	13.3	D 12
8	9.4	69.2	10	169	9.4	79	31.3	17.3	D 17.3	10.7	12	D 12
9	8.7	4.9	8.1	2,620	9.4	71.3	31.3	18.6	D 17.3	10	13.3	D 12
10	8.1	4.0	7.4	165	9.4	177	28.2	136	D 17.3	14.6	17.3	D 11.3
11	8.1	4.6	5.5	1,930	9.4	78.7	28.2	25.2	D 17.3	16	18.6	D 10.7
12	6.1	4.9	7.4	481	9.4	66.3	26.7	18.6	D 17.3	21.2	12	D 10.7
13	8.1	6.1	8.1	E 49.7	2,320	62.2	26.7	D 19.9	12	17.3	14.6	D 10.7
14	12	5.5	8.7	E 66.7	4,380	46.7	32.8	D 21.2	8.7	18.6	11.3	D 10.7
15	10.7	4.3	7.4	E 37.4	1,590	46.7	22.6	D 21.2	8.1	14.6	11.3	D 10
16	10	4.3	8.7	42	4,200	45.1	23.9	D 21.2	10	16	12	D 10
17	8.7	4.9	E 8.7	35.8	2,320	49.9	21.2	D 21.2	11.3	18.6	D 11.3	D 10
18	11.3	4.9	E 9.4	283	2,650	71.6	22.6	D 21.2	16	16	D 11.3	D 10.7
19	37.2	4.9	E 9.4	31.3	744	62.5	23.9	D 21.2	16	17.3	D 11.3	16
20	649	4.6	E 9.4	25.2	1,200	49.9	28.2	D 21.2	16	17.3	D 11.3	16
21	41.8	4.9	E 9.4	25.2	853	77.5	23.9	D 19.9	14.6	16	D 11.3	10
22	26.7	4.6	E 9.4	19.8	E 148	90.7	63.5	D 19.9	19.9	17.3	D 11.3	9.4
23	25.5	4.9	E 9.4	8.1	E 109	E 45.6	113	D 19.9	16	18.6	D 11.3	10.7
24	45.5	5.5	E 196	8.1	E 73	E 25.2	32.8	D 19.9	25.2	16	D 11.3	9.4
25	19.3	6.1	84.7	7.4	E 43.6	E 995	19.9	D 19.9	18.6	14.6	D 11.3	10
26	19.7	6.1	21.2	6.8	E 43.6	E 21.2	19.9	D 19.9	14.6	16	D 12	13.3
27	17.8	6.8	13.3	6.8	E 46.7	E 21.2	22.6	D 19.9	14.6	16	D 12	17.3
28	16.6	8.7	13.3	3,090	45.1	E 21.2	74.3	D 19.9	14.6	13.3	D 12	12
29	12.3	8.1	13.3	2,340	40.4	18.6	44.1	D 19.9	13.3	12	D 12	11.3
30	14	6.8	16	140		19.9	22.6	D 18.6	12.3	14.6	D 12	12
31	22.9		17.3	113		18.6		D 18.6		16	D 12	
MEAN	35.9	15.1	18.3	385	724	252	31.4	25	15.6	14.6	12.6	11.9
	2,210	898	1,120	23,660	41,650	15,530	1,870	1,540	931	898	777	710

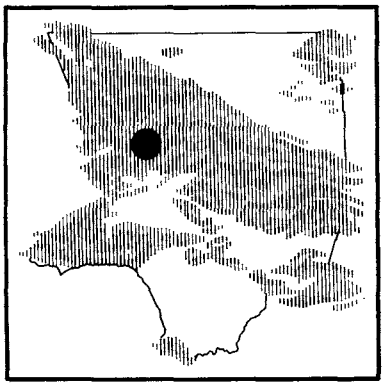
YEAR OR PERIOD MEAN 128
ACRE-FEET 91,790

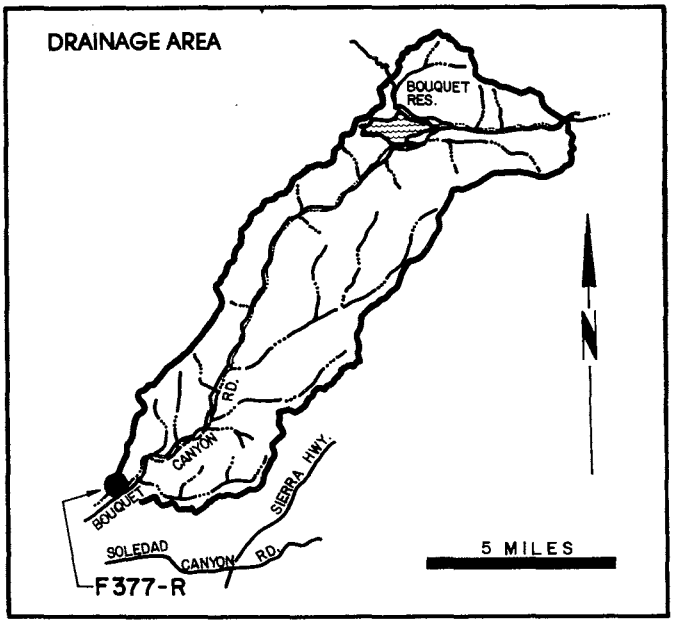
STA. NO. F354-R
COYOTE CREEK BELOW SPRING STREET

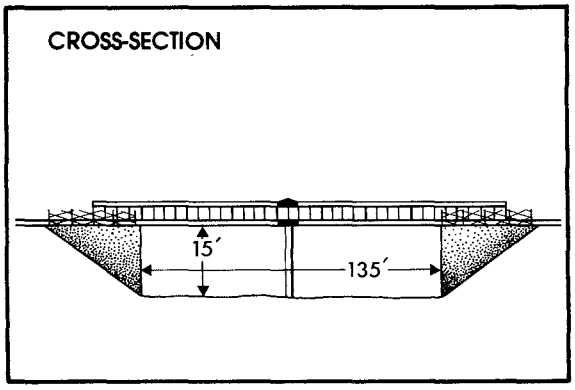
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1963-64	1190	+	10.9	7950	11	15	N.D.
1964-65	800	0.3	16.9	12220	4	9	3350
1965-66	1830	1.2	32.5	23500	12	29	5020
1966-67	1840	1.4	37.9	27450	1	22	6880
1967-68	2350	1.6	26.8	19570	3	8	6970
1968-69	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
1972-73	2350	3.3	60.4	43720	11	14	7810
1973-74	2410	2.3	38.3	27700	1	7	8670
1974-75	3130	2.3	36.9	26700	12	4	14400
1975-76	1500	2.3	24.5	17540	2	6	5430
1976-77	4250	1.7	37.5	27000	5	8	13400
1977-78	4400	1.5	128.4	92940	3	1	13700
1978-79	*	*	*	*			*
1979-80	4380	4	128.4	91800	2	14	19400

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

BOUQUET CANYON CREEK
at Urbandale Avenue
STATION NO. F377-R







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.

STATION NO. F377-R

DAILY DISCHARGE in second-feet of BOUQUET CANYON CREEK AT URBANDALE AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	0	47.8	0	0	A 0	1.7	B 1.8	1.0
2	0	0	0	0	0	41.2	0	0	A 0.1	2.1	B 1.7	0.8
3	0	0	0	1.3	0	16.8	0	0	A 0.1	2.3	B 1.7	0.7
4	0	0	0	17.6	0	326	0.4	0	A 0.2	2.8	B 1.6	0.8
5	0	+	0	+	19.9	89.1	0	0	A 0.2	2.8	B 1.6	1.2
6	0	0	0	1.9	114	7.0	0.4	0	A 0.3	2.8	B 1.6	0.7
7	0	0	0	0	95.2	5.7	0.4	0	A 0.3	2.8	B 1.5	0.7
8	0	0	0	0	15	1.8	0.3	0	A 0.4	B 2.8	B 1.5	1.0
9	0	0	0	6.8	252	0	+	0	A 0.4	B 2.7	B 1.4	0.5
10	0	0	0	23.7	157	0	0	0	A 0.5	B 2.7	B 1.4	0.4
11	0	0	0	0.8	1.6	0	0	0	A 0.5	B 2.6	B 1.3	0.4
12	0	0	0	0	45.2	0	0	0	A 0.5	B 2.6	B 1.3	0.5
13	0	0	0	0	5.8	0	0.5	0	A 0.6	B 2.6	B 1.3	0.7
14	0	0	0	3.2	A 0	0	1.0	0	A 0.6	B 2.5	B 1.2	1.4
15	0	0	0	13	A 0	0	2.5	0	A 0.7	B 2.5	B 1.2	1.4
16	0	0	0	131	A 0	0	1.2	0	A 0.7	B 2.4	B 1.1	1.6
17	0	0	+	28.2	A 0	0	0	0	A 0.8	B 2.4	B 1.1	1.1
18	0	0	0.1	0	A 0	0	0	0	A 0.8	B 2.3	1.1	0
19	0	0	0	7.1	A 0	0	0	0	A 0.9	B 2.3	0.7	0
20	0	0	0	0	A 0	0	0	0	A 0.9	B 2.3	0	0
21	0	0	+	0	A 0	0	+	0	A 1.0	B 2.2	0	0.2
22	0	0	+	0	A 0	1.1	+	0	1.0	B 2.2	0.2	0.6
23	0	0	0	0	A 0	0	0	0	0.8	B 2.1	1.2	0.4
24	0	0	0	0	A 0	0	0	0.1	0.8	B 2.1	1.6	1.0
25	0	0	0	0	A 0	0	0	0.4	1.1	B 2.1	1.6	1.6
26	0	0	1.9	0	A 0	0	0	0.2	1.1	B 2.0	B 1.4	1.0
27	0	0	1.0	0	A 0	0	0	0.2	1.4	B 2.0	B 1.3	0.6
28	0	0	60.5	0	A 49.1	0	0	0	1.9	B 1.9	B 1.2	0.6
29	0	0	3.0	0		0	0	0.5	2.1	B 1.9	1.0	0.6
30	0	0	2.3	0		0.5	0	0.2	2.1	B 1.8	0.8	1.2
31	0		+	0		2.2		0		B 1.8	0.8	
MEAN	0	0	2.2	7.6	27	17.4	0.2	0.1	0.8	2.3	1.2	0.8
	0	+	136	465	1,500	1,070	13.3	3.2	45.2	143	73.8	45

YEAR OR PERIOD MEAN 5.0
ACRE-FEET 3,490

STATION NO. F377-R

DAILY DISCHARGE in second-feet of BOULDER CANYON CREEK AT URBANDALE AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.9	D 8.6	A 0.2	A 0.5	4.7	7.0	B 2.8	B 0.5	0	2.5	B 0.5	B 0.5
2	D 2.5	D 10.9	A 5.0	A 0.5	4.7	3.0	B 2.7	B 0.5	0	3.0	B 0.5	B 0.5
3	D 2.5	D 10.9	A 3.0	A 0.5	5.4	1.2	B 2.6	B 0.5	0	5.4	B 0.5	B 0.5
4	D 1.7	D 7.5	A 1.5	A 0.5	4.0	0.7	B 2.6	B 0.5	0	5.0	B 0.5	B 0.5
5	D 2.5	D 5.4	A 0.7	A 5.0	3.3	0	B 2.5	B 0.5	0	6.1	B 0.5	B 0.5
6	D 3.7	D 4.0	A 0.5	A 12	2.8	0	B 2.4	B 0.5	0.5	6.1	B 0.5	B 0.5
7	D 4.7	D 4.0	A 0.5	A 4.0	2.6	0	B 2.3	B 0.5	0	5.0	B 0.5	B 0.5
8	D 3.7	D 3.3	A 0.5	A 3.0	2.3	0	B 2.2	B 0.5	0	4.0	B 0.5	B 0.5
9	D 2.5	D 2.6	A 0.5	A 2.0	2.5	0	B 2.1	B 0.5	0.6	3.7	B 0.5	B 0.5
10	D 1.7	D 1.7	A 0.5	0	1.6	0	B 2.0	B 0.5	6.4	3.7	B 0.5	B 0.5
11	D 1.7	D 2.6	A 0.5	0	1.0	0	B 1.9	B 0.5	2.8	4.7	B 0.5	B 0.5
12	D 1.6	D 3.6	A 0.5	0	1.4	0	B 1.8	B 0.5	0.4	5.0	B 0.5	B 0.5
13	D 1.6	D 3.6	A 0.5	0	1.7	0	B 1.7	B 0.5	0	4.0	B 0.5	B 0.5
14	D 1.9	D 5.6	A 0.5	0	4.4	0	B 1.7	B 0.5	0.6	1.7	B 0.5	B 0.5
15	D 1.9	D 3.6	A 0.5	7.0	1.2	0	B 1.6	B 0.5	2.1	0.1	B 0.5	B 0.5
16	D 2.1	D 2.6	A 0.5	28.9	0.5	1.0	B 1.5	B 0.5	8.1	B 0.5	B 0.5	B 0.5
17	D 2.1	D 2.3	A 0.5	10.3	0	5.7	B 1.4	B 0.5	7.0	B 0.5	B 0.5	B 0.5
18	D 1.7	D 2.0	A 5.0	1.0	0	2.1	B 1.3	B 0.5	5.7	B 0.5	B 0.5	B 0.5
19	D 2.6	D 1.8	A 12	0.1	0.5	8.1	B 1.2	B 0.5	5.4	B 0.5	B 0.5	B 0.5
20	D 4.0	D 1.7	A 4.0	0	0.7	4.7	B 1.1	B 0.5	5.4	B 0.5	B 0.5	B 0.5
21	D 3.7	D 1.7	A 2.0	0	5.4	4.0	B 1.0	B 0.5	3.0	B 0.5	B 0.5	B 0.5
22	D 3.7	D 1.6	A 1.0	0	1.0	2.5	B 0.9	B 0.5	2.5	B 0.5	B 0.5	B 0.5
23	D 5.0	D 1.4	A 0.7	0	2.3	1.2	B 0.9	B 0.5	2.6	B 0.5	B 0.5	B 0.5
24	D 3.7	D 0.7	A 0.5	0	1.2	0.7	B 0.8	0.1	2.5	B 0.5	B 0.5	B 0.5
25	D 3.0	D 0.5	A 0.5	0	1.2	0.6	B 0.7	0.1	2.3	B 0.5	B 0.5	B 0.5
26	D 4.0	D 0.2	A 0.5	0	1.7	0.7	B 0.6	0.1	1.2	B 0.5	B 0.5	B 0.5
27	D 3.3	D 0.2	A 0.5	0	1.1	8.1	B 0.5	0	1.9	B 0.5	B 0.5	B 0.5
28	D 2.8	D 0.2	A 0.5	0	1.2	B 106	B 0.5	2.3	1.2	B 0.5	B 0.5	B 0.5
29	D 4.0	D 0.2	A 0.5	0		B 10	B 0.5	2.1	0.8	B 0.5	B 0.5	B 0.5
30	D 5.4	D 0.2	A 0.5	0		B 3.0	B 0.5	1.4	1.4	B 0.5	B 0.5	B 0.5
31	D 7.0		A 0.5	13		B 2.9		0		B 0.5	B 0.5	

MEAN	3.0	3.2	1.5	2.8	2.2	5.6	1.5	0.6	2.1	2.2	0.5	0.5
	187	189	89.5	175	120	344	91.8	36.9	128	135	30.7	29.7

YEAR OR PERIOD

MEAN 2.1

ACRE-FEET 1,560

STATION NO. F377-R

DAILY DISCHARGE in second-feet of BOULDER CANYON CREEK AT URBANDALE AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	E 0.5	E 0.5	E 0.5	E 0.5	0	E 10	19.3	9.8	2.5	0	+	1.6
2	E 0.5	E 0.5	E 0.5	E 0.5	0	E 10	18.2	12	2.3	0	+	1.6
3	E 0.5	E 0.5	E 0.5	E 0.5	0	E 100	25.6	11.4	2.5	+	1.0	1.4
4	E 0.5	E 0.5	E 0.5	E 0.5	0	E 50	28.9	12	2.3	+	0.8	1.4
5	E 0.5	E 0.5	E 0.5	E 0.5	0	E 20	24	9.2	1.7	+	1.1	1.2
6	E 0.5	E 0.5	E 0.5	E 0.5	0	E 100	24	7.0	1.7	+	1.1	1.1
7	E 0.5	E 0.5	E 0.5	E 1.0	0	E 50	24	1.0	1.2	+	1.1	1.4
8	E 0.5	E 5.0	E 0.5	E 0.5	0	E 20	24	0.7	1.0	+	1.1	2.3
9	E 0.5	E 2.5	E 0.5	3.7	0	E 10	27.3	0.4	0.7	+	0.8	2.5
10	E 0.5	E 1.0	E 0.5	0.5	0	E 10	24	1.9	0.6	+	1.0	2.8
11	E 0.5	E 0.5	E 0.5	12.6	0	E 10	21.4	3.0	B 0.6	+	1.2	3.0
12	E 0.5	E 0.5	E 0.5	4.1	0	E 10	18.2	1.7	B 0.6	+	1.0	3.0
13	E 0.5	E 0.5	E 0.5	5.6	12.9	E 10	21.4	0.6	B 0.5	+	1.1	3.3
14	E 0.5	E 0.5	E 0.5	27.6	24.1	E 10	20.3	1.2	B 0.5	+	1.2	3.0
15	E 0.5	E 0.5	E 0.5	1.9	25.9	E 10	17.2	1.9	B 0.4	+	1.4	3.7
16	E 0.5	E 0.5	E 0.5	0.2	136	E 10	13	2.5	B 0.3	+	1.2	3.7
17	E 0.5	E 0.5	E 0.5	0	E 180	E 10	10.9	2.8	B 0.2	+	1.4	4.0
18	E 0.5	E 0.5	E 0.5	0	E 150	E 10	14.1	2.5	B 0.1	+	1.4	4.0
19	E 0.5	E 0.5	E 0.5	0	E 150	E 10	3.0	2.3	+	+	1.4	3.7
20	E 4.0	E 0.5	E 0.5	0	E 160	E 10	7.0	1.9	+	+	1.2	4.0
21	E 2.0	E 0.5	E 0.5	0	E 100	E 10	8.6	1.9	+	+	1.1	4.4
22	E 0.5	E 0.5	E 0.5	0	E 50	E 10	10.3	2.6	+	+	1.2	4.0
23	E 0.5	E 0.5	E 0.5	0	E 40	E 10	11.4	2.8	+	+	1.4	4.4
24	E 0.5	E 0.5	E 0.5	0	E 20	E 10	10.9	2.6	+	+	1.4	4.0
25	E 0.5	E 0.5	E 0.5	0	E 10	E 10	9.2	2.6	+	+	1.4	3.3
26	E 0.5	E 0.5	E 0.5	0	E 10	14.1	8.6	2.6	+	+	1.2	3.0
27	E 0.5	E 0.5	E 0.5	0	E 10	16.2	12	2.3	+	+	1.1	3.0
28	E 0.5	E 0.5	E 0.5	16.1	E 10	15.1	11.4	2.5	+	+	1.1	2.8
29	E 0.5	E 0.5	E 0.5	56.6	E 10	11.4	10.3	2.6	+	+	1.1	2.8
30	E 0.5	E 0.5	E 0.5	0.1		13	8.6	2.5	+	+	1.2	2.3
31	E 0.5		E 0.5	0		17.2		2.6		+	1.2	

MEAN	0.7	0.7	0.5	4.3	37.9	19.9	16.2	3.7	0.7	+	1.1	2.9
	40.7	43.6	30.7	265	2,180	1,220	966	225	39	+	67.2	172

YEAR OR PERIOD

MEAN 7.4

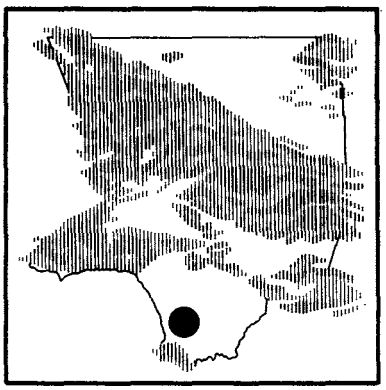
ACRE-FEET 5,250

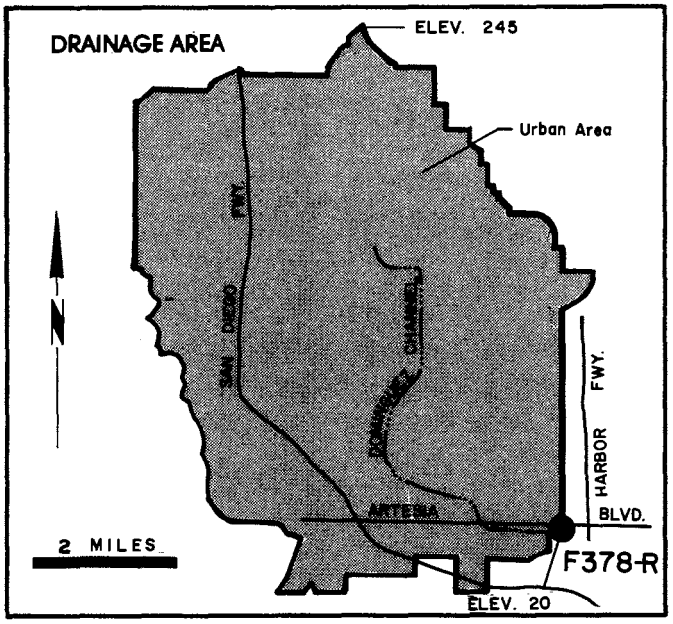
STA. NO. F377-R
BOUQUET CANYON CREEK AT URBANDALE AVENUE

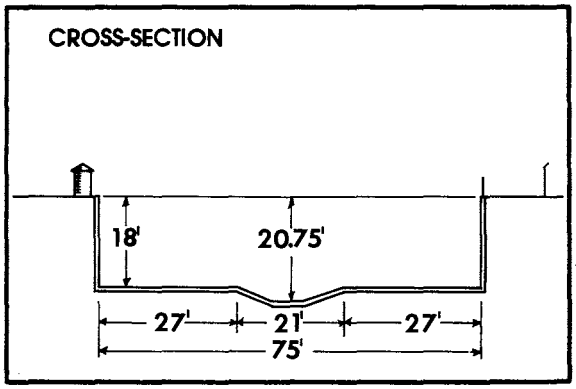
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1967-68	66	0	1.1	823	11	19	713
1968-69	528	0	3.4	2450	2	25	3256
1969-70	11	0	0.1	11	3	1	20
1970-71	30	0	2.2	1290	12	18	273
1971-72	36	0	0.7	499	12	27	101
1972-73	81	0	0.4	300	2	11	750
1973-74	8.8	0	+	33	1	7	20
1974-75	11	0	0.1	76	3	5	512
1975-76	NO RECORD						
1976-77	*	*	*	*	8	17	26*
1977-78	*	*	*	*			*
1978-79	*	*	*	*			*
1979-80	180	0	7.4	5253			N.D.

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

DOMINGUEZ CHANNEL
at Vermont Avenue
STATION NO. F378-R







RECORDER- continuous water stage.

METHOD OF MEASUREMENTS-low flows measured by wading. High flows measured from Vermont Avenue bridge.

DRAINAGE AREA- 37.1 square miles.

LOCATION- on the south bank, 93 feet above Vermont Avenue, about one mile south of Gardena.

REGULATION- none

CHANNEL- rectangular concrete with trapezoidal low flow channel at center.

LENGTH OF RECORD- November 23, 1966 to date .

REMARKS- gage is affected by tides greater than 4.0 feet above mean lower low water.

STATION NO. F378-R

DAILY DISCHARGE in second-feet of DOMINGUEZ CHANNEL AT VERMONT AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.1	0.6	1.3	0.6	0.7	1,290	34	1.0	1.3	1.5	1.7	2.3
2	1.1	0.6	1.3	0.6	0.5	282	0.7	1.2	1.2	1.8	1.7	2.0
3	1.1	1.5	1.2	57	0.6	35	0.4	1.5	1.0	1.4	3.1	2.2
4	1.8	2.4	1.2	410	0.8	1,751	56	0.6	0.9	1.4	3.1	2.0
5	2.0	12	1.1	15.8	773	138	1.0	2.3	1.3	1.6	2.0	128
6	1.1	1.7	1.0	392	150	9.5	53	1.3	1.1	1.6	2.4	7.5
7	1.5	1.1	1.0	6.7	502	4.1	26	1.5	1.0	1.3	1.6	2.2
8	2.0	0.9	0.9	2.7	276	2.3	1.0	1.5	1.0	1.8	1.3	1.8
9	1.4	0.7	1.0	747	591	52	0.6	1.3	1.2	1.5	2.1	1.5
10	1.4	1.3	1.0	382	773	4.5	0.5	1.0	1.2	1.6	2.2	1.5
11	1.8	1.3	1.0	11	6.7	28	0.6	1.0	2.0	1.7	1.6	3.1
12	1.7	1.0	1.3	2.4	316	8.4	0.3	1.3	1.5	1.5	1.3	2.2
13	1.3	1.3	1.2	1.6	179	2.9	0.3	1.0	2.1	1.5	1.6	1.6
14	1.1	1.1	1.3	678	5.3	2.1	1.2	0.8	2.1	1.8	1.3	0.8
15	1.0	1.0	1.4	263	4.3	2.0	185	1.0	1.5	1.7	2.1	0.7
16	1.0	1.1	1.4	658	2.2	2.7	12.6	0.8	1.7	2.1	1.5	1.0
17	1.0	0.6	128	34	1.7	3.1	1.6	1.0	5.8	1.8	1.5	0.8
18	1.0	1.0	79	2.4	1.5	3.3	1.5	1.1	6.4	1.6	1.7	0.9
19	1.1	1.1	2.1	93	1.1	3.9	1.3	1.0	2.1	2.2	1.6	1.1
20	1.6	0.9	2.0	2.0	1.2	1.7	1.3	1.1	1.6	1.4	1.7	1.6
21	1.5	0.6	10.6	1.0	1.4	17.1	1.0	1.0	1.3	1.8	1.6	1.0
22	2.1	0.9	6.6	0.6	1.4	168	1.1	1.0	1.5	1.7	1.8	1.0
23	0.9	0.6	5.3	0.9	1.0	2.0	1.0	0.7	1.5	2.9	2.0	1.0
24	0.8	1.2	1.0	3.5	0.8	1.2	1.0	0.6	1.7	2.2	2.1	1.3
25	1.0	1.0	89	1.6	0.9	1.3	15.7	1.3	1.5	2.0	1.7	1.3
26	1.0	0.7	813	0.5	15.9	1.2	1.8	1.4	1.7	2.7	1.8	1.1
27	1.0	0.8	66	0.9	30	0.8	0.6	0.8	1.6	2.1	2.0	1.2
28	0.9	1.0	607	1.0	985	1.0	1.0	1.3	1.4	2.2	1.8	1.3
29	0.5	1.1	37	2.3		0.6	1.1	1.6	1.2	2.2	2.0	1.3
30	0.6	1.1	2.9	1.0		30	1.0	1.3	1.3	1.8	2.1	1.6
31	0.3		1.0	1.0		129		1.2		1.7	2.0	
MEAN	1.2	1.4	60.3	122	165	128	13.5	1.1	1.8	1.8	1.9	5.9
	74.8	84	3,710	7,490	9,170	7,870	800	70	105	110	115	350

YEAR OR PERIOD MEAN 42
ACRE-FEET 29,970

STATION NO. F378-R

DAILY DISCHARGE in second-feet of DOMINGUEZ CHANNEL AT VERMONT AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.8	1.2	0.4	1.8	104	153	1.3	2.1	1.6	1.6	1.7	1.0
2	2.6	1.6	0.5	2.6	535	2.7	1.1	2.1	2.1	1.8	1.5	1.1
3	2.1	1.8	0.6	2.1	19.9	1.3	1.3	2.3	1.8	2.0	1.5	1.0
4	1.8	1.7	0.3	1.8	3.9	1.1	1.6	2.2	2.1	1.4	1.1	1.1
5	1.6	1.4	0.3	609	3.3	1.0	1.7	2.3	2.0	1.7	0.9	1.1
6	1.6	1.6	0.5	113	2.6	1.0	2.1	2.2	2.2	1.4	1.3	1.0
7	1.6	2.0	0.3	4.7	1.4	1.0	1.3	3.1	2.7	1.8	1.8	0.8
8	1.3	1.4	0.9	3.5	1.3	1.2	1.3	2.3	2.2	1.3	1.4	1.2
9	1.2	2.0	1.7	71	1.3	1.3	1.7	2.2	2.7	1.4	1.3	0.9
10	2.0	7.5	1.1	3.1	1.3	1.2	2.3	1.6	2.6	1.8	0.9	1.1
11	2.1	119	1.3	1.6	1.3	1.0	1.6	2.0	3.5	2.3	1.5	1.4
12	2.2	32	1.0	1.5	1.0	1.0	1.3	1.8	2.6	2.1	1.0	1.7
13	2.2	112	0.9	1.4	12	92	1.3	1.6	2.6	1.3	1.0	2.2
14	2.0	3.8	1.1	27	297	14.8	1.1	1.5	2.4	2.3	1.3	2.6
15	1.7	0.7	1.0	450	1.4	5.8	1.1	2.0	2.0	2.2	1.7	2.2
16	1.6	0.7	2.2	315	1.0	3.3	1.5	2.3	1.8	2.2	1.3	2.0
17	1.5	0.6	71	16	0.9	152	1.0	1.5	1.8	2.6	1.4	1.6
18	1.3	0.9	146	109	1.0	38	1.5	2.0	1.8	2.3	1.4	2.1
19	1.3	0.8	52	4.1	1.7	136	1.6	1.8	1.6	2.7	1.2	2.0
20	1.5	0.6	1.3	1.6	18.3	72	1.8	1.4	1.8	2.4	2.1	1.3
21	1.2	146	1.1	1.3	242	3.7	1.6	1.6	1.6	2.2	2.0	1.5
22	1.6	79	2.0	1.8	7.9	1.5	1.5	2.0	1.3	1.5	1.6	2.2
23	2.6	2.2	2.2	1.4	288	1.6	1.7	1.6	1.6	1.4	1.2	2.0
24	1.4	0.8	2.3	1.3	1.5	2.1	2.0	1.5	1.3	2.4	1.0	2.0
25	1.3	0.5	2.9	0.9	1.0	2.6	2.1	2.1	1.1	1.8	0.9	1.4
26	1.6	0.3	2.6	0.9	1.0	3.5	1.8	1.6	1.3	1.3	0.7	1.6
27	1.3	0.5	2.4	1.3	1.1	825	2.2	1.5	1.7	2.0	1.0	1.3
28	1.6	0.3	2.1	1.5	1.0	149	1.3	1.6	1.5	2.0	1.0	1.6
29	1.6	0.3	2.1	1.3		124	1.5	1.4	1.8	1.7	1.2	2.1
30	1.7	0.3	1.4	950		2.6	1.7	1.8	1.5	1.8	1.8	2.7
31	1.4		1.4	397		1.6		2.2		1.3	0.9	
MEAN	1.7	17.4	9.9	100	55.5	58	1.6	1.9	2.0	1.9	1.3	1.6
	104	1,040	610	6,150	3,080	3,570	93	117	115	115	80	95

YEAR OR PERIOD MEAN 21.1
ACRE-FEET 15,170

STATION NO. F378-R

DAILY DISCHARGE in second-feet of DOMINGUEZ CHANNEL AT VERMONT AVE. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	2.0	E 1.9	2.0	1.4	2.2	1.3	2.6	1.3	0.7	1.7	2.2	2.1
2	2.3	E 2.3	1.5	1.2	1.3	580	1.0	1.5	0.9	2.1	2.0	2.3
3	2.6	E 2.0	1.7	1.7	1.1	543	1.1	1.1	1.1	2.2	2.1	2.1
4	1.6	E 1.7	1.7	1.5	1.0	10	1.0	1.1	1.2	3.7	1.6	1.7
5	1.7	E 1.5	1.8	1.3	1.4	128	1.0	1.2	0.7	2.0	2.4	2.3
6	1.4	E 1.8	1.6	3.5	1.3	166	1.1	1.3	0.7	1.6	2.2	2.0
7	1.0	E 44	1.7	16.1	1.6	4.3	1.1	0.9	0.8	2.0	2.1	2.4
8	0.9	E 3.9	1.5	80	2.1	1.6	1.3	0.7	1.2	2.4	2.1	2.4
9	2.1	E 3.0	1.3	1,014	1.1	1.6	1.2	0.9	1.6	2.4	2.0	1.6
10	1.5	E 2.0	1.3	65	1.0	1.6	2.3	7.2	1.3	2.4	2.7	1.7
11	1.5	E 1.9	1.1	851	1.3	1.4	2.2	0.7	1.1	2.1	3.5	2.3
12	2.2	E 1.8	1.3	162	1.3	2.4	3.3	0.5	1.2	3.1	2.7	2.4
13	1.8	E 1.7	1.6	70	693	1.8	2.4	0.7	1.5	1.8	2.6	4.7
14	10	E 1.7	1.5	42	779	1.5	1.7	0.4	1.7	2.4	2.7	2.4
15	2.4	E 1.6	1.0	2.7	104	1.3	1.6	0.5	1.3	2.4	2.4	2.4
16	2.4	E 1.6	1.2	6.7	1,140	1.5	1.5	0.6	1.4	2.4	2.1	2.9
17	1.6	E 1.6	1.6	3.1	1,215	1.8	1.2	0.7	1.5	2.6	2.4	4.1
18	1.6	E 1.5	1.5	23	329	42	1.9	1.1	1.6	2.9	1.7	3.7
19	7.7	E 1.5	1.3	2.1	330	3.7	2.0	0.5	1.7	2.2	2.1	2.3
20	97	E 1.5	1.3	2.3	419	1.5	1.6	0.8	1.5	2.0	2.4	2.3
21	1.6	E 1.4	6.9	1.8	64	1.4	2.2	2.0	1.1	1.4	2.6	2.3
22	2.1	1.4	1.0	1.2	3.7	1.4	3.1	0.6	1.1	1.5	2.3	2.2
23	E 1.9	1.5	0.5	2.4	1.7	1.1	2.4	0.5	1.2	2.4	2.6	2.6
24	E 1.7	1.3	66	1.7	1.5	1.2	1.5	0.5	1.3	1.6	2.4	2.2
25	E 1.6	1.2	83	1.5	1.5	69	1.3	0.6	1.5	1.5	2.6	2.1
26	E 1.7	1.3	1.4	1.3	1.7	121	1.9	0.6	1.5	1.4	2.2	2.7
27	E 1.8	1.1	0.9	4.7	1.3	1.6	1.5	0.5	1.7	1.6	2.2	2.9
28	E 1.7	1.4	1.2	731	1.3	1.2	35.7	0.7	1.4	2.1	2.1	3.7
29	E 1.9	2.1	1.2	197	2.2	1.2	3.3	0.7	2.0	5.0	2.3	3.1
30	E 2.2	1.4	1.2	12		1.0	1.9	1.0	1.1	4.1	2.2	2.7
31	E 1.8		1.3	3.5		1.2		0.7		2.6	2.4	
MEAN	5.3	3.2	4.3	107	176	54.8	2.9	1.0	1.3	2.3	2.3	2.6
	330	188	265	6,560	10,130	3,370	172	63.7	76.4	142	142	152

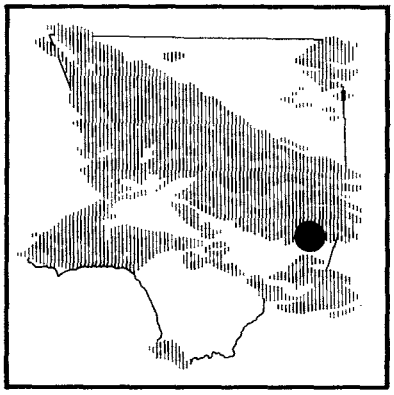
YEAR OR PERIOD MEAN 30.2
ACRE-FEET 21,590

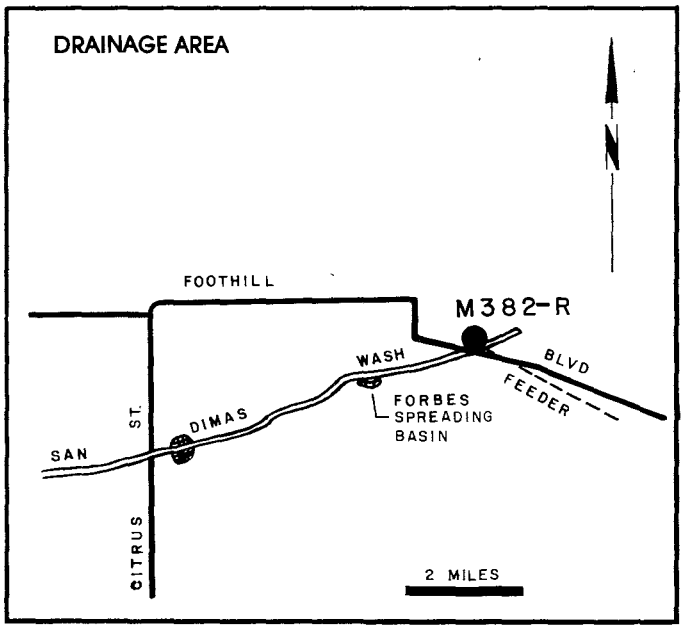
STA. NO. F378-R
DOMINGUEZ CHANNEL AT VERMONT AVENUE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	PEAK FLOW DAY	PEAK FLOW CFS
1966-67	1220	0.8	19.2	13860	11	7	4550
1967-68	1920	1	18.2	13240	3	7	10500
1968-69	2090	1	28.8	20850	1	20	12320
1969-70	402	1	7.9	5750	1	16	3762
1970-71	1140	1	15.8	11472	11	29	6540
1971-72	**	**	**	**	12	27	11585
1972-73	824	0.7	19.5	7103	1	16	5060
1973-74	1480	0.7	17.5	12680	1	4	6560
1974-75	1280	0.6	14.1	10180	12	4	12700
1975-76	738	0.4	10.1	7160	2	9	8810
1976-77	1003	0.4	15.8	11450	10	23	3514
1977-78	1751	0.3	41.4	29970	3	1	11350
1978-79	950	0.3	20.9	15170	2	23	5211
1979-80	215	0.5	30.2	21580	2	16	9068

** = RECORD NOT COMPUTED

SAN DIMAS WASH-MWD OUTLET
above Foothill Boulevard
STATION NO. M382-R





RECORDER- continuous totalizing recorder with Venturi control.

LOCATION latitude 34° 07' 34", longitude 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.

REGULATION- entirely regulated by gated outlet on The Metropolitan Water District upper feeder.

LENGTH OF RECORD- October 29, 1968 to present.

REMARKS- located, constructed and operated by The Metropolitan Water District in cooperation with the Los Angeles County Flood Control District.

STATION NO. M382-R

DAILY DISCHARGE in second-feet of SAN DIMAS WASH - M.W.D. OUTLET ABOVE FOOTHILL BLVD. FOR THE WATER YEAR ENDING SEPTEMBER 30 1978

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	0	0	0	0	0	199	200	223
2	0	0	0	0	0	0	0	0	0	199	177	223
3	0	0	0	0	0	0	0	0	0	199	121	223
4	0	0	0	0	0	0	0	0	0	199	100	223
5	0	0	0	0	0	0	0	0	0	199	100	83
6	0	0	0	0	0	0	0	0	0	199	100	89
7	0	0	0	0	0	0	0	0	0	199	100	223
8	0	0	0	0	0	0	0	0	0	199	100	223
9	0	0	0	0	0	0	0	0	0	199	100	223
10	0	0	0	0	0	0	0	0	0	199	100	223
11	0	0	0	0	0	0	0	0	0	199	100	225
12	0	0	0	0	0	0	0	0	0	199	100	224
13	0	0	0	0	0	0	0	0	0	199	100	221
14	0	0	0	0	0	0	0	0	0	199	146	76.4
15	0	0	0	0	0	0	0	0	63.5	199	187	223
16	0	0	0	0	0	0	0	0	174	199	198	223
17	0	0	0	0	0	0	0	0	199	199	198	208
18	0	0	0	0	0	0	0	0	199	199	198	201
19	0	0	0	0	0	0	0	0	199	200	198	187
20	0	0	0	0	0	0	0	0	199	200	198	176
21	0	0	0	0	0	0	0	0	199	200	198	176
22	0	0	0	0	0	0	0	0	199	200	205	176
23	0	0	0	0	0	0	0	0	199	200	222	175
24	0	0	0	0	0	0	0	0	199	218	222	176
25	0	0	0	0	0	0	0	0	199	228	222	176
26	0	0	0	0	0	0	0	0	199	100	222	174
27	0	0	0	0	0	0	0	0	199	223	222	172
28	0	0	0	0	0	0	0	0	199	223	222	181
29	0	0	0	0		0	0	0	199	223	222	203
30	0	0	0	0		0	0	0	199	223	222	195
31	0		0	0		0		0		215	222	
MEAN	0	0	0	0	0	0	0	0	101	201	168	191
	0	0	0	0	0	0	0	0	6,000	12,370	10,360	11,350

YEAR OR PERIOD MEAN 55.1
ACRE-FEET 40,080

STATION NO. M382-R

DAILY DISCHARGE in second-feet of SAN DIMAS WASH - M.W.D. OUTLET ABOVE FOOTHILL BLVD. FOR THE WATER YEAR ENDING SEPTEMBER 30 1979

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	197	218	173	100	0	0	0	0	0	99	200	200
2	62.8	225	204	100	0	0	0	0	0	100	200	200
3	225	225	225	100	0	0	0	0	0	E 100	200	200
4	224	225	225	46.9	0	0	0	0	0	E 100	200	200
5	225	225	225	0	0	0	0	0	0	E 100	200	200
6	224	225	225	0	0	0	0	0	0	E 100	200	200
7	225	225	225	0	0	0	0	0	0	E 100	200	200
8	224	184	225	0	0	0	0	0	0	E 100	200	200
9	224	225	225	0	0	0	0	0	0	E 100	200	200
10	225	105	225	0	0	0	0	0	0	E 100	200	200
11	225	0	225	0	0	0	0	0	0	100	200	200
12	225	60.8	225	0	0	0	0	0	0	133	200	200
13	225	42.3	225	0	0	0	0	0	0	200	200	200
14	225	145	225	0	0	0	0	0	0	200	200	200
15	224	225	225	0	0	0	0	0	0	200	200	200
16	225	225	207	0	0	0	0	0	0	200	200	200
17	225	235	0	0	0	0	0	0	0	200	200	200
18	224	250	0	0	0	0	0	0	0	200	200	165
19	138	250	0	0	0	0	0	0	0	200	200	150
20	120	99	0	0	0	0	0	0	0	200	200	150
21	225	0	0	0	0	0	0	0	0	200	0	150
22	224	0	0	0	0	0	0	0	0	200	0	184
23	224	0	0	0	0	0	0	0	0	200	0	200
24	224	93	0	0	0	0	0	0	E 111	200	67.7	200
25	223	175	0	0	0	0	0	0	E 150	200	100	200
26	224	175	0	0	0	0	0	0	E 181	200	100	200
27	224	175	0	0	0	0	0	0	200	200	168	200
28	224	175	0	0	0	0	0	0	140	200	200	200
29	225	175	47.9	53.1		0	0	0	100	200	200	200
30	225	175	100	42.7		0	0	0	100	200	200	200
31	224		100	0		0		0		200	200	
MEAN	212	159	121	14.3	0	0	0	0	32.7	162	169	193
	13,020	9,420	7,440	877	0	0	0	0	1,940	9,960	10,400	11,480

YEAR OR PERIOD MEAN 88.6
ACRE-FEET 64,540

STATION NO. M382-R

DAILY DISCHARGE in second-feet of SAN DIMAS WASH - M.W.D. OUTLET ABOVE FOOTHILL BLVD. FOR THE WATER YEAR ENDING SEPTEMBER 30 1980

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	200	0	75	125	0	0	0	0	0	0	0	0
2	200	0	75	125	0	0	0	0	0	0	0	0
3	200	0	75	125	0	0	0	0	0	0	0	0
4	200	0	75	125	0	0	0	0	0	0	0	12
5	200	0	75	125	0	0	0	0	0	0	0	82
6	200	0	75	125	0	0	0	0	0	0	0	76
7	200	0	75	84	0	0	0	0	0	0	0	49
8	200	0	75	0	0	0	0	0	0	0	0	49
9	200	50	75	0	0	0	0	0	0	0	0	49
10	200	75	75	0	0	0	0	0	0	0	0	74
11	200	75	75	0	0	0	0	0	0	0	0	99
12	200	75	75	0	0	0	0	0	0	0	0	99
13	200	75	75	0	0	0	0	0	0	0	0	99
14	200	75	75	0	0	0	0	0	0	0	0	99
15	200	75	75	0	0	0	0	0	0	0	0	99
16	200	75	75	0	0	0	0	0	0	0	0	99
17	200	75	75	0	0	0	0	0	0	0	0	99
18	200	75	75	0	0	0	0	0	0	0	0	99
19	150	75	75	0	0	0	0	0	0	0	0	31
20	37.7	75	75	0	0	0	0	0	0	0	0	0
21	0	75	75	0	0	0	0	0	0	0	0	0
22	0	75	75	0	0	0	0	0	0	0	0	0
23	0	75	75	0	0	0	0	0	0	0	0	0
24	0	75	28.9	0	0	0	0	0	0	0	0	0
25	0	75	0	0	0	0	0	0	0	0	0	0
26	0	75	66.4	0	0	0	0	0	0	0	0	0
27	0	75	125	0	0	0	0	0	0	0	0	0
28	0	75	125	0	0	0	0	0	0	0	0	0
29	0	75	125	0	0	0	0	0	0	0	0	0
30	0	75	125	0		0	0	0	0	0	0	0
31	0		125	0		0		0		0	0	
MEAN	122	54.2	78.9	26.9	0	0	0	0	0	0	0	40.5
	7,510	3,220	4,850	1,650	0	0	0	0	0	0	0	2,410

YEAR OR PERIOD MEAN 26.9
ACRE-FEET 19,640

STA. NO. M382-R
SAN DIMAS WASH - MWD OUTLET ABOVE FOOTHILL BOULEVARD

SEASON	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
1972-73	230	0	108.0	78430
1973-74	220	0	102.0	74140
1974-75	231	0	57.7	41810
1975-76	275	0	65.7	47580
1976-77	182	0	5.0	3600
1977-78	228	0	55.4	40084
1978-79	250	0	89.3	64500
1979-80	200	0	26.9	19645

RESERVOIRS

RESERVOIRS

Following the damaging floods of 1913-14, and 1915-16, Los Angeles County initiated a program of flood control and water conservation including the construction of 14 dams. These dams were operated by the District during the seasons covered by this report. In addition, five Corps of Engineers' dams and Morris Dam owned by The Metropolitan Water District were utilized 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 on the San Gabriel River and Rio Hondo, and San Antonio Dam on San Antonio Creek.

OPERATION

The reservoirs are operated to control flood waters during storm periods. Post storm releases are made, when feasible, in amounts which can be conserved in spreading grounds and by 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 14 of the District reservoirs are summarized on the Dam Operation Record Sheets. The sheets show:

1. Reservoir water surface elevations based on the 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. This 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. 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 are attributable to percolation and/or evaporation losses and are shown as total monthly and yearly losses. Total monthly evaporation losses are shown as determined from measurements made on floating or land evaporation pans. In those cases where no allowances were made for evaporation, the amounts are necessarily included in the flow values. Accuracy of the flow records computed from storage records is dependent on the frequency with which storage data are revised to keep in step with the physical change in reservoirs.

   Recovery of storage capacity lost through sedimentation is accomplished through sluicing and excavation.

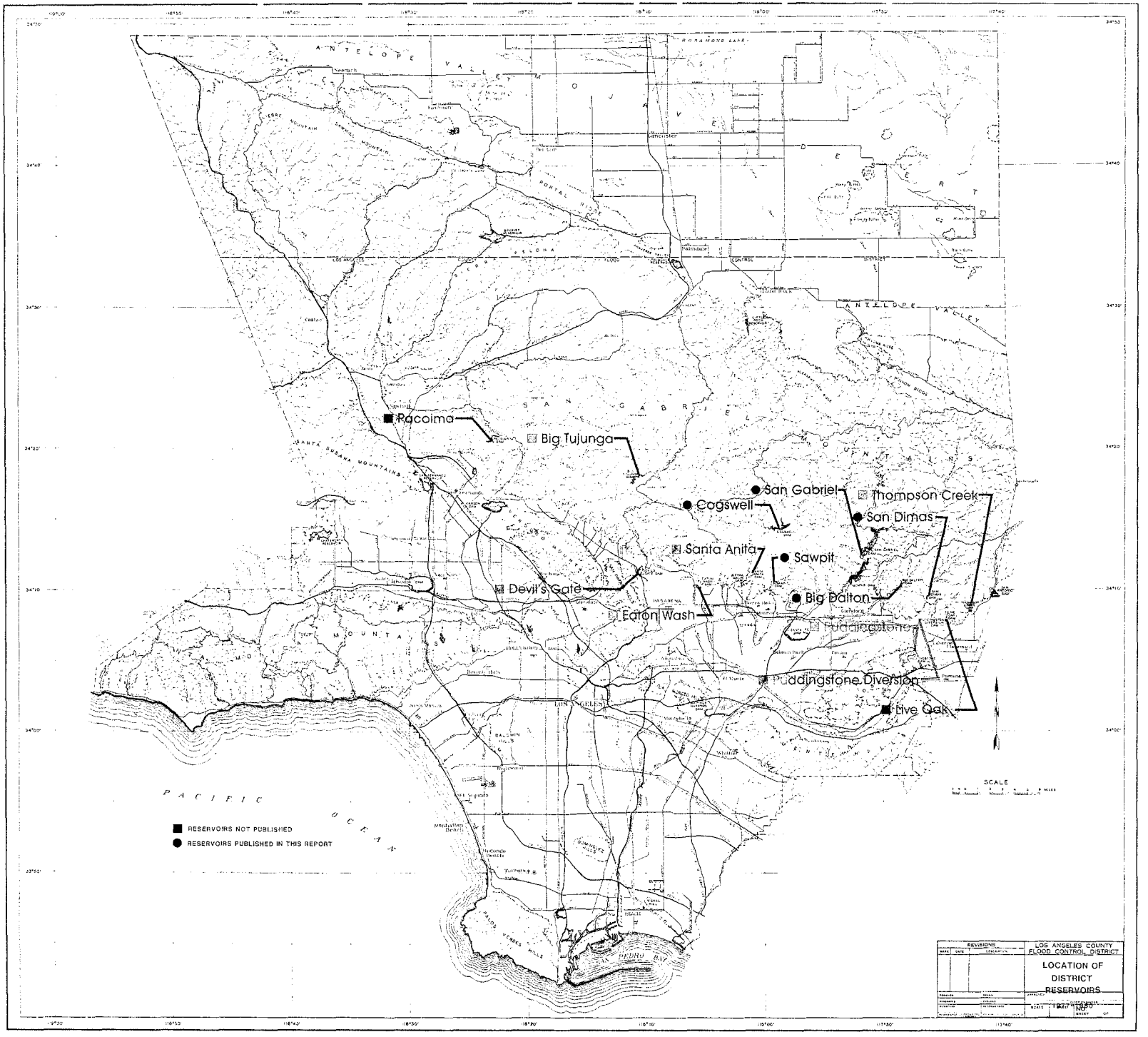
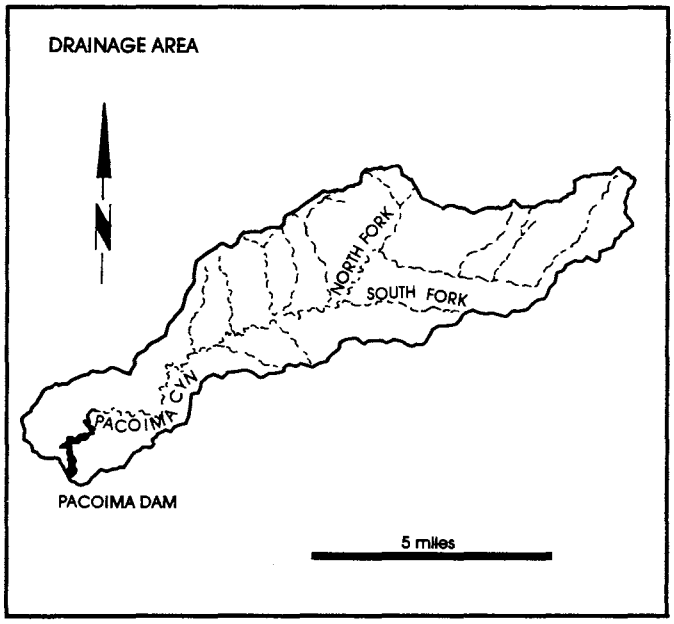
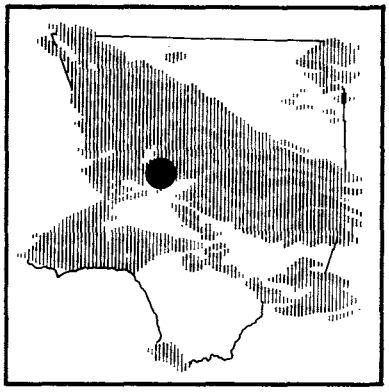
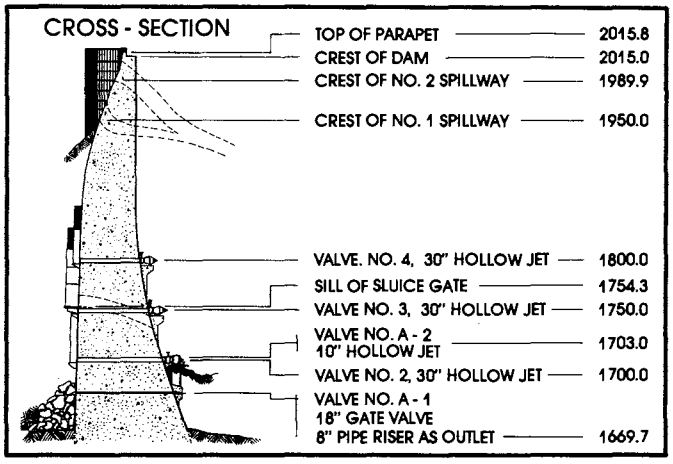

Pacoima
Big Tujunga
San Gabriel
Thompson Creek
Cogswell
San Dimas
Santa Anita
Sawpit
Devil's Gate
Big Dalton
Eaton Wash
Puddingstone
Puddingstone Diversion
Live Oak
SCALE
RESERVOIRS NOT PUBLISHED
RESERVOIRS PUBLISHED IN THIS REPORT
PACIFIC OCEAN
ANTELOPE VALLEY
SAN GABRIEL MOUNTAINS
SANTA SUSANA MOUNTAINS
REVISIONS
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
LOCATION OF DISTRICT RESERVOIRS

PLATE D1

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.

RECORDS INCOMPLETE

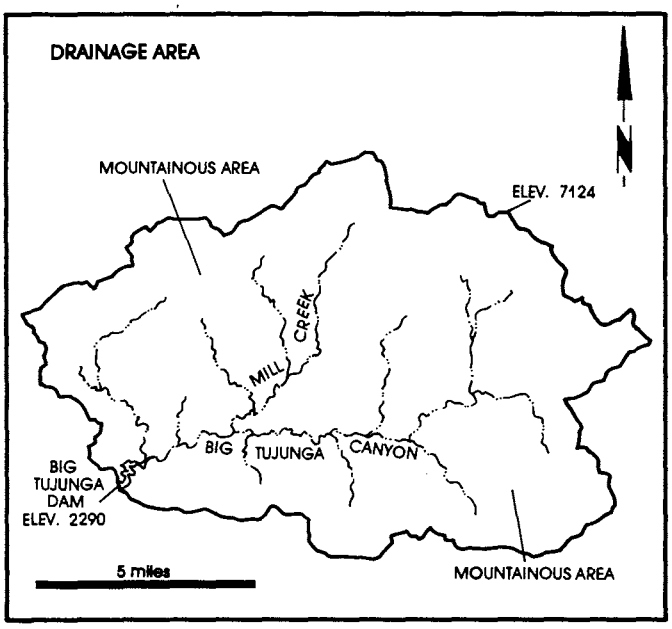
PACOIMA DAM

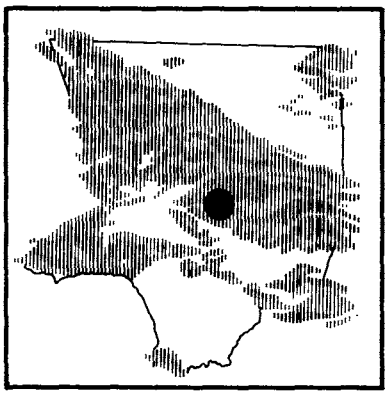
YEARLY RESERVOIR OPERATION SUMMARY

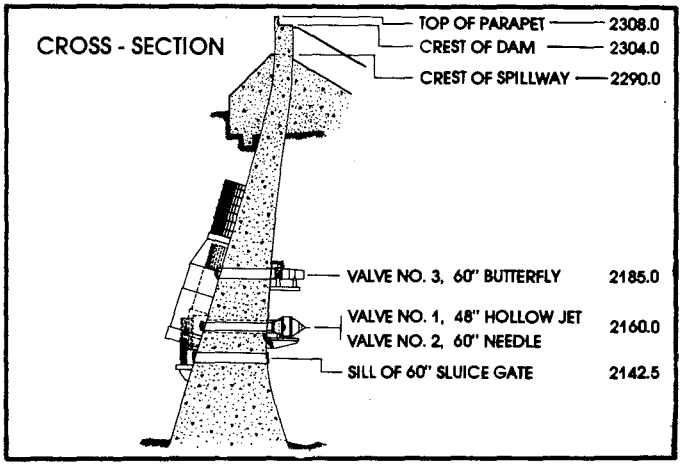
SEASON	ANNUAL AF	INFLOW MAX-DAY CFS	MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK MO	INFLOW DAY	CFS
1929-30	1110	N.D.	N.D.	965			N.D.
1930-31	1082	N.D.	N.D.	886			N.D.
1931-32	8741	N.D.	N.D.	8443			N.D.
1932-33	2160	101	0	2119			N.D.
1933-34	3454	N.D.	N.D.	3493	1	1	914
1934-35	5569	84	0	5556			N.D.
1935-36	3098	88	0	3094	2	12	248
1936-37	15737	356	0	14210	2	14	508
1937-38	25878	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	118	0.5	4994	11	29	384
1971-72	1062	36	0.2	802	12	26	91
1972-73	7726	696	0.1	7383	2	11	1640
1973-74	4197	168	0.2	4154	1	8	532
1974-75	2279	48	0.1	2526	3	6	97
1975-76	1622	58	0.1	1614	2	9	102
1976-77	1424	43	0.3	507	1	3	213
1977-78	R.I.						
1978-79	R.I.						
1979-80	R.I.						

N.D. = NOT DETERMINED
R.I. = RECORDS INCOMPLETE

BIG TUJUNGA DAM
AND RESERVOIR







PURPOSE - Flood Control 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.

RECORDS INCOMPLETE

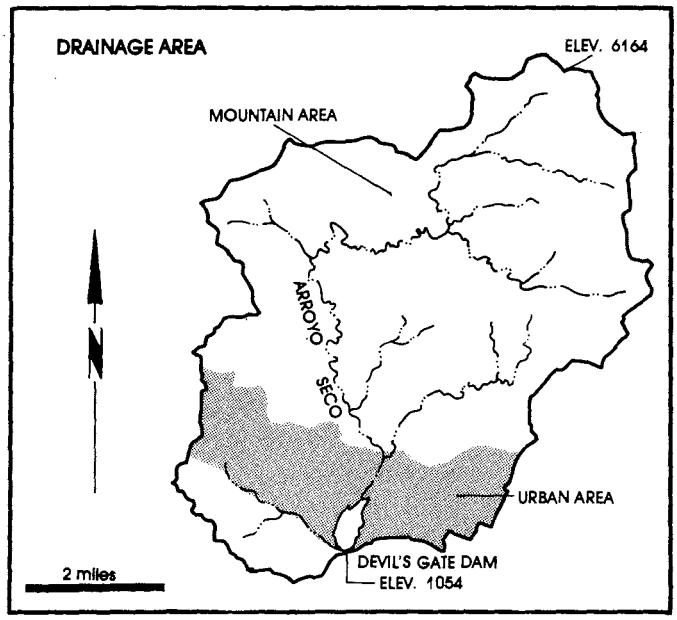
BIG TUJUNGA DAM

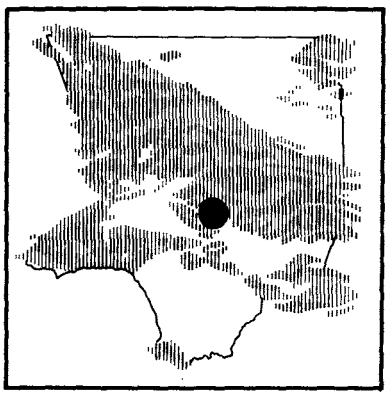
YEARLY RESERVOIR OPERATION SUMMARY

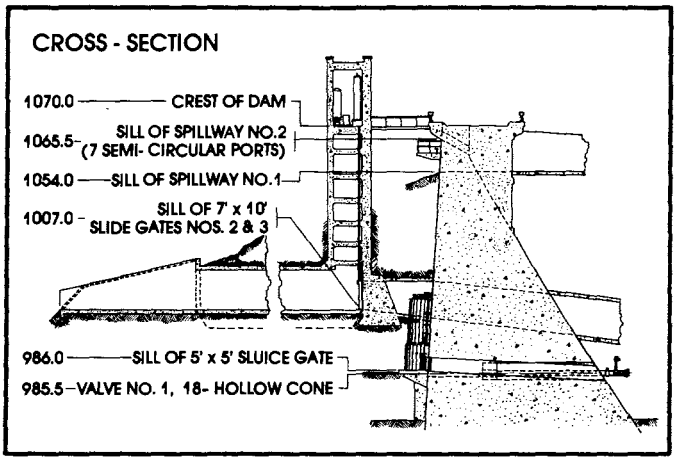
SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK MO	PEAK DAY	PEAK INFLOW CFS
1932-33	4342	218	0	4518			N.O.
1933-34	4441	994	0	4234	1	1	2430
1934-35	11992	380	0	10698	4	8	718
1935-36	3875	130	0	5508	2	12	312
1936-37	26969	803	0.6	25729	2	6	1740
1937-38	64855	12030	1	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	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	11446	11	21	725
1968-69	107609	7800	0	106462	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
1972-73	15375	1914	0.5	14680	2	11	6320
1973-74	8663	256	0.9	5582	1	7	561
1974-75	5442	198	0.3	8666	3	6	315
1975-76	4482	408	0.1	3863	2	9	1400
1976-77	3928	164	1.2	3547	1	3	878
1977-78	R.I.						
1978-79	R.I.						
1979-80	R.I.						

N.O. = NOT DETERMINED
R.I. = RECORDS INCOMPLETE

DEVIL'S GATE DAM
AND RESERVOIR







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.

RECORDS INCOMPLETE

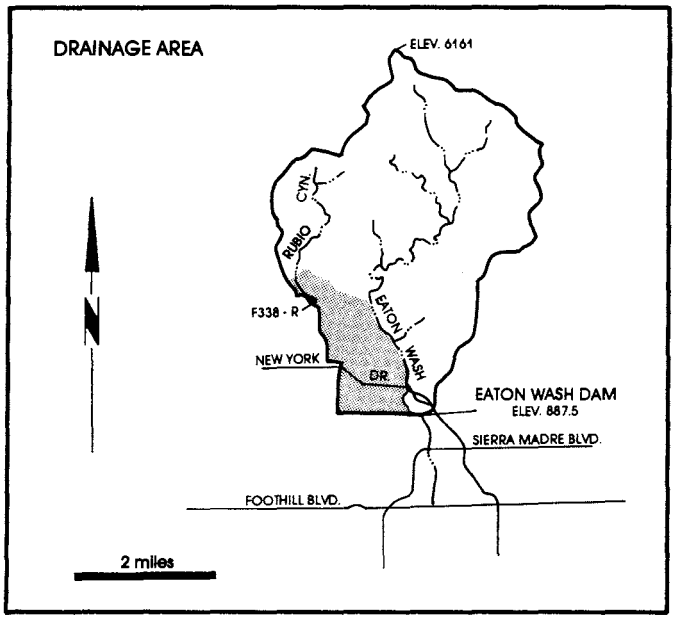
DEVILS GATE DAM

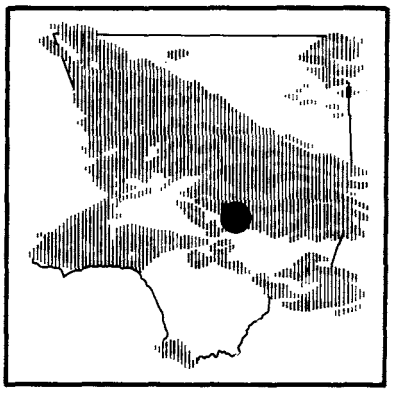
YEARLY RESERVOIR OPERATION SUMMARY

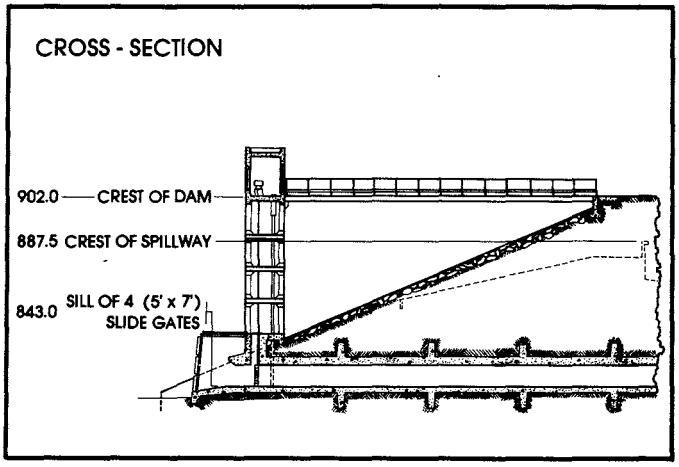
SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK MO	PEAK DAY	PEAK INFLOW CFS
1933-34	2938	757	0	0	1	1	3310
1934-35	3843	N.D.	0	N.D.	10	17	1310
1935-36	3457	N.D.	0	86	2	2	939
1936-37	12030	340	0	2818	2	6	852
1937-38	25436	3720	0	17496	3	2	10840
1938-39	3044	200	0	634	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
1972-73	8298	1517	0	5615	2	11	3520
1973-74	4032	589	0	2749	1	7	1100
1974-75	2024	237	0	711	3	6	451
1975-76	2172	281	0	1204	9	10	869
1976-77	1682	177	0	1593	1	3	587
1977-78	R.I.						
1978-79	R.I.						
1979-80	R.I.						

N.D. = NOT DETERMINED
R.I. = RECORDS INCOMPLETE
+ = LESS THAN 0.05 ACRE FEET OR LESS THAN 0.05 CFS, BUT GREATER THAN 0.

EATON WASH DAM
AND RESERVOIR







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.

RECORDS INCOMPLETE

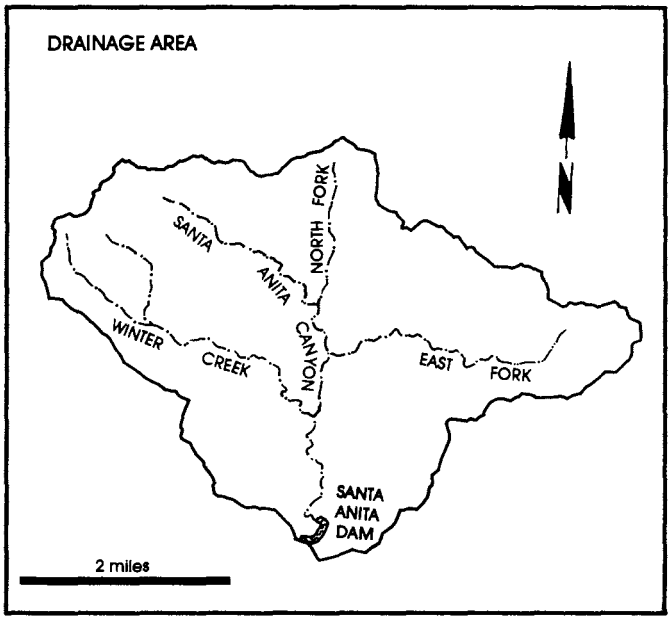
EATON DAM

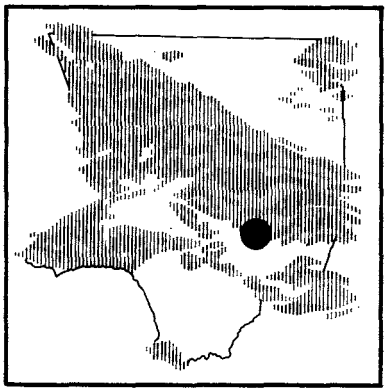
YEARLY RESERVOIR OPERATION SUMMARY

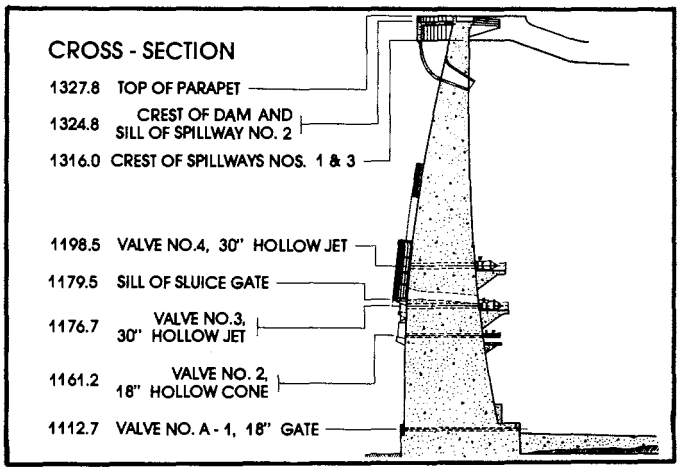
SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK MO	PEAK DAY	PEAK INFLOW CFS
1936-37	3062	112	0	1502			N.D.
1937-38	6993	883	0	5213	3	2	2670
1938-39	340	51	0	84	12	18	169
1939-40	390	31	0	96	1	8	220
1940-41	7323	188	0	6089	2	20	426
1941-42	78	11	0	0	12	10	73
1942-43	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	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	26	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	2540
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
1972-73	4299	532	0	2844	2	11	587
1973-74	2420	200	0	1607	1	7	309
1974-75	672	79	0	418	3	6	81
1975-76	893	74	0	424	3	1	175
1976-77	461	36	0	281	1	3	191
1977-78	R.I.						
1978-79	R.I.						
1979-80	R.I.						

N.D. = NOT DETERMINED
R.I. = RECORDS INCOMPLETE
+ = LESS THAN 0.05 ACRE FEET OR LESS THAN 0.05 CFS, BUT GREATER THAN 0.

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.

RECORDS INCOMPLETE

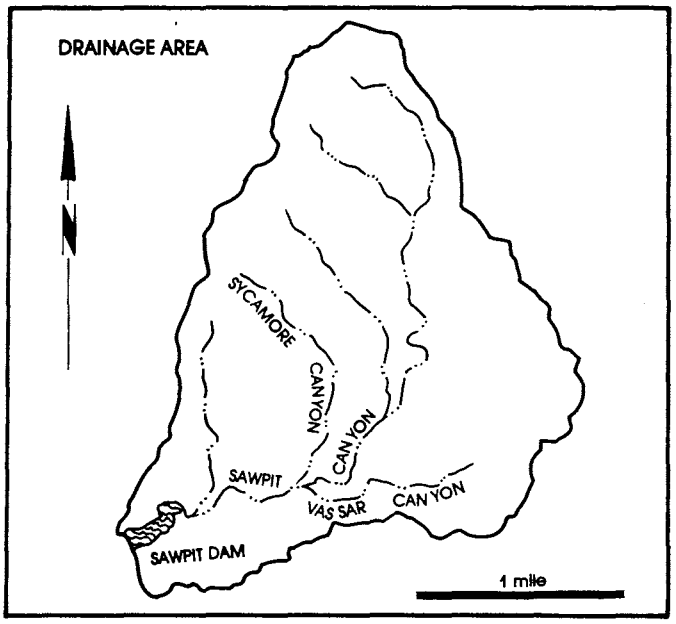
SANTA ANITA OAM

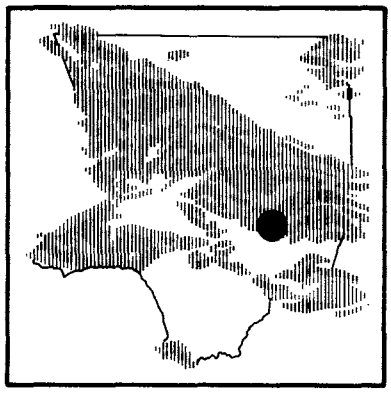
YEARLY RESERVOIR OPERATION SUMMARY

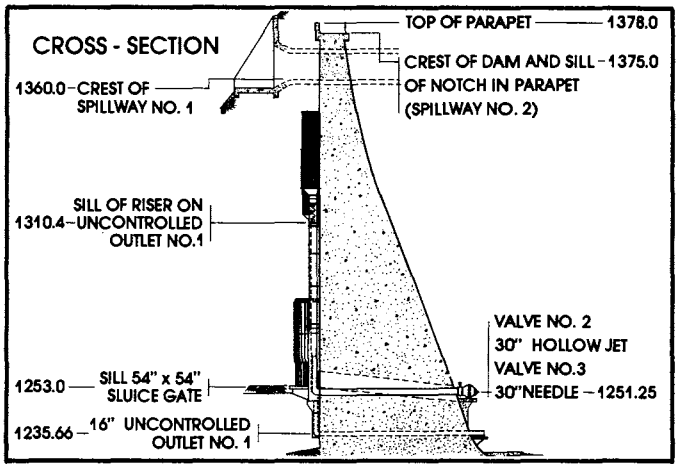
SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK MO	PEAK DAY	PEAK INFLOW CFS
1926-27	1208	13	0.4	1030			N.D.
1927-28	1009	22	0.1	1162			N.D.
1928-29	1214	30	0	1256			N.D.
1929-30	1276	25	0.1	964			N.D.
1930-31	989	34	0	1155			N.D.
1931-32	4010	236	0.1	3883			N.D.
1932-33	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
1962-63	1628	56	0.7	1848	2	9	368
1963-64	1219	32	+	1144	4	1	53
1964-65	2039	50	0	1988	4	9	130
1965-66	13102	600	0.4	12933	12	29	1920
1966-67	16245	645	1.5	16261	12	6	1520
1967-68	3376	56	0.1	3579	11	19	165
1968-69	38734	2292	0.3	38369	1	25	5500
1969-70	2859	85	1	2859	2	28	208
1970-71	3211	184	1	3075	11	29	674
1971-72	1316	36	0.5	1249	12	24	99
1972-73	6414	482	0.4	6258	2	11	1350
1973-74	4660	174	1.2	4546	1	7	280
1974-75	2347	36	0.1	2647	3	6	54
1975-76	1580	52	0.2	1469	3	1	101
1976-77	1320	35	1	1206	1	3	200
1977-78	R.I.						
1978-79	R.I.						
1979-80	R.I.						

N.D. = NOT DETERMINED
R.I. = RECORDS INCOMPLETE
+ = LESS THAN 0.05 ACRE FEET OR LESS THAN 0.05 CFS, BUT GREATER THAN 0.

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.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

SAWPIT DAM

1977-78

DRAINAGE AREA 3.24 SQ. MI.
RESERVOIR CAPACITY 371.2 A.F.
AT SPILLWAY ELEVATION 1360.0 FT.
AS OF SEPTEMBER, 1973

GAGE HEIGHT AND STORAGES ARE AS OF MIDNIGHT ON THE 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	1310.39	80.1	0.5	0.5	1310.39	80.1	0.4	0.4	1310.39	80.1	0.4	0.4	1310.42	80.2	1.8	1.8	1
2	1310.39	80.1	0.4	0.4	1310.39	80.1	0.4	0.4	1310.39	80.1	0.4	0.4	1310.41	80.1	1.8	1.9	2
3	1310.39	80.1	0.4	0.4	1310.39	80.1	0.4	0.4	1310.39	80.1	0.4	0.4	1310.44	80.2	2.0	1.9	3
4	1310.39	80.1	0.4	0.4	1310.39	80.1	0.4	0.4	1310.39	80.1	0.4	0.4	1310.54	80.5	3.3	3.1	4
5	1310.39	80.1	0.4	0.4	1310.40	80.1	0.7	0.7	1310.39	80.1	0.4	0.4	1310.46	80.3	2.2	2.3	5
6	1310.39	80.1	0.4	0.4	1310.39	80.1	0.6	0.6	1310.39	80.1	0.4	0.4	1310.48	80.3	2.4	2.4	6
7	1310.39	80.1	0.4	0.4	1310.39	80.1	0.6	0.6	1310.39	80.1	0.4	0.4	1310.47	80.3	2.2	2.2	7
8	1310.38	80.0	0.3	0.4	1310.39	80.1	0.5	0.5	1310.39	80.1	0.5	0.5	1310.47	80.3	2.0	2.0	8
9	1310.39	80.1	0.5	0.4	1310.39	80.1	0.5	0.5	1310.39	80.1	0.5	0.5	1310.62	80.8	3.2	3.0	9
10	1310.39	80.1	0.5	0.5	1310.39	80.1	0.4	0.4	1310.39	80.1	0.6	0.6	1310.71	81.0	4.2	4.1	10
11	1310.39	80.1	0.5	0.5	1310.39	80.1	0.5	0.5	1310.39	80.1	0.6	0.6	1310.61	80.7	4.6	4.7	11
12	1310.39	80.1	0.5	0.5	1310.39	80.1	0.4	0.4	1307.38	71.5	0.2	4.5	1310.58	80.6	3.0	3.1	12
13	1310.39	80.1	0.4	0.4	1310.39	80.1	0.5	0.5	1305.94	67.4	2.4	4.5	1310.57	80.6	2.7	2.7	13
14	1310.39	80.1	0.4	0.4	1310.39	80.1	0.4	0.4	1306.30	68.4	0.8	0.3	1311.58	83.7	7.7	6.1	14
15	1310.38	80.0	0.3	0.4	1310.39	80.1	0.4	0.4	1306.64	69.4	0.7	0.2	1310.93	81.7	35.2	36.2	15
16	1310.39	80.1	0.5	0.4	1310.39	80.1	0.4	0.4	1306.97	70.3	0.7	0.2	1311.30	82.8	21.1	20.6	16
17	1310.38	80.0	0.3	0.4	1310.39	80.1	0.4	0.4	1307.39	71.5	0.8	0.2	1310.93	81.7	14.7	15.2	17
18	1310.39	80.1	0.7	0.6	1310.40	80.1	0.5	0.5	1308.06	73.4	1.1	0.2	1310.84	81.4	8.3	8.5	18
19	1310.39	80.1	0.6	0.6	1310.39	80.1	0.5	0.5	1308.51	74.6	1.0	0.4	1310.79	81.3	6.3	6.3	19
20	1310.39	80.1	0.6	0.6	1310.39	80.1	0.5	0.5	1308.91	75.7	0.9	0.3	1310.78	81.2	4.6	4.7	20
21	1310.39	80.1	0.6	0.6	1310.39	80.1	0.5	0.5	1309.29	76.8	0.7	0.2	1310.77	81.2	3.7	3.7	21
22	1310.39	80.1	0.6	0.6	1310.39	80.1	0.5	0.5	1309.64	77.9	0.8	0.2	1310.77	81.2	3.0	3.0	22
23	1310.39	80.1	0.5	0.5	1310.40	80.1	0.5	0.5	1310.08	79.1	0.8	0.2	1310.77	81.2	2.7	2.7	23
24	1310.39	80.1	0.4	0.4	1310.40	80.1	0.4	0.4	1310.37	80.0	0.6	0.2	1310.78	81.2	2.1	2.1	24
25	1310.39	80.1	0.4	0.4	1310.40	80.1	0.4	0.4	1310.39	80.1	0.3	0.2	1310.40	80.1	1.2	1.8	25
26	1310.39	80.1	0.4	0.4	1310.39	80.1	0.4	0.4	1310.46	80.3	0.3	0.2	1310.40	80.1	1.7	1.7	26
27	1310.39	80.1	0.4	0.4	1310.39	80.1	0.4	0.4	1310.59	80.7	1.8	1.6	1310.41	80.1	1.6	1.6	27
28	1310.39	80.1	0.4	0.4	1310.39	80.1	0.4	0.4	1310.80	81.3	17.3	17.0	1310.41	80.1	1.6	1.6	28
29	1310.39	80.1	0.5	0.5	1310.39	80.1	0.4	0.4	1310.50	80.4	2.9	3.3	1310.40	80.1	1.5	1.5	29
30	1310.39	80.1	0.4	0.4	1310.39	80.1	0.4	0.4	1310.45	80.3	1.9	2.0	1310.39	80.1	1.5	1.5	30
31	1310.39	80.1	0.5	0.5					1310.43	80.2	1.7	1.7	1310.40	80.1	1.6	1.6	31
TOTAL			14.1	14.1			13.7	13.7			42.7	42.6			157.5	157.6	
INF. AC. FT.			27.9				27.1				84.6				312.3		
OUTF. AC. FT.			27.9				27.1				84.4				312.5		
MAX. MEAN DAILY INF.			0.7				0.7				17.3				35.2		
MIN. MEAN DAILY INF.			0.3				0.4				0.2				1.2		
STORAGE CHANGE			0.0				0.0				0.1				- 0.1		

SAWPIT 1977 - 78

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	1310.41	80.1	1.5	1.5	1324.05	104.0	70.1	48.7	1310.75	61.1	8.7	8.8	1310.65	60.9	7.3	7.3	1
2	1310.41	80.1	1.5	1.5	1337.24	167.4	88.4	56.4	1310.75	61.1	9.8	9.8	1310.65	60.9	7.0	7.0	2
3	1310.40	80.1	1.5	1.5	1335.27	156.8	56.1	61.5	1310.75	61.1	8.8	8.8	1310.65	60.9	6.5	6.5	3
4	1310.41	80.1	1.6	1.6	1349.91	248.1	116.1	70.0	1310.78	61.2	9.5	9.4	1310.65	60.9	6.5	6.5	4
5	1310.43	80.2	2.0	1.9	1349.90	248.0	87.8	87.9	1310.76	61.1	8.7	8.8	1310.64	60.8	6.2	6.3	5
6	1310.44	80.2	2.0	2.0	1347.30	229.8	41.3	50.4	1311.15	62.1	9.7	9.1	1310.64	60.8	6.1	6.1	6
7	1310.52	80.5	2.8	2.7	1340.46	186.0	30.7	52.8	1310.81	61.2	10.9	11.4	1310.64	60.8	5.9	5.9	7
8	1310.64	80.8	2.6	2.4	1330.35	132.0	21.9	49.2	1310.79	61.2	10.1	10.1	1310.64	60.8	5.6	5.6	8
9	1318.72	108.4	69.9	56.0	1314.90	72.0	14.5	44.7	1310.79	61.2	9.8	9.8	1310.63	60.8	5.6	5.6	9
10	1334.75	154.1	101.0	78.0	1311.28	62.4	16.2	21.0	1310.78	61.2	9.1	9.1	1310.64	60.8	5.6	5.6	10
11	1321.97	96.0	50.2	79.5	1311.28	62.4	17.0	17.0	1310.78	61.2	8.8	8.8	1310.63	60.8	5.8	5.8	11
12	1311.28	62.4	37.0	53.9	1311.22	62.3	14.7	14.8	1310.69	61.0	8.7	8.8	1310.64	60.8	5.9	5.9	12
13	1311.00	61.7	32.5	32.9	1310.95	61.6	13.7	14.0	1310.68	60.9	8.4	8.5	1310.64	60.8	5.9	5.9	13
14	1310.89	61.4	23.1	23.2	1310.92	61.5	12.7	12.8	1310.68	60.9	8.3	8.3	1310.63	60.8	5.8	5.8	14
15	1310.84	61.3	17.5	17.6	1310.90	61.5	11.4	11.4	1311.00	61.7	14.1	13.6	1310.63	60.8	5.9	5.9	15
16	1310.79	61.2	13.2	13.2	1310.90	61.5	10.7	10.7	1310.79	61.2	12.9	13.2	1310.63	60.8	5.8	5.8	16
17	1310.75	61.1	10.0	10.1	1310.89	61.4	9.7	9.8	1310.76	61.1	11.6	11.7	1310.62	60.8	5.4	5.4	17
18	1310.71	61.0	8.0	8.0	1310.89	61.4	9.1	9.1	1310.75	61.1	10.7	10.7	1310.62	60.8	5.2	5.2	18
19	1310.69	61.0	6.5	6.5	1310.89	61.4	8.8	8.8	1310.74	61.1	10.1	10.1	1310.62	60.8	5.2	5.2	19
20	1310.67	60.9	5.8	5.9	1310.88	61.4	8.3	8.3	1310.70	61.0	9.8	9.8	1310.62	60.8	5.2	5.2	20
21	1310.65	60.9	5.4	5.4	1310.92	61.5	8.9	8.8	1310.69	61.0	9.4	9.4	1310.62	60.8	5.2	5.2	21
22	1310.55	60.6	4.8	4.9	1310.97	61.6	11.5	11.4	1310.69	61.0	8.8	8.8	1310.62	60.8	5.2	5.2	22
23	1310.54	60.6	4.5	4.5	1310.90	61.5	9.0	9.1	1310.68	60.9	8.2	8.3	1310.62	60.8	5.2	5.2	23
24	1310.52	60.5	4.1	4.2	1310.88	61.4	7.9	8.0	1310.68	60.9	8.0	8.0	1310.62	60.8	5.0	5.0	24
25	1310.52	60.5	3.9	3.9	1310.76	61.1	7.4	7.5	1310.68	60.9	8.3	8.3	1310.62	60.8	5.0	5.0	25
26	1310.52	60.5	3.7	3.7	1310.75	61.1	7.0	7.0	1310.68	60.9	8.0	8.0	1310.62	60.8	5.0	5.0	26
27	1310.51	60.5	3.7	3.7	1310.74	61.1	6.8	6.8	1310.67	60.9	7.8	7.8	1310.62	60.8	4.9	4.9	27
28	1310.93	61.5	17.9	17.4	1310.74	61.1	6.5	6.5	1310.67	60.9	7.5	7.5	1310.62	60.8	4.7	4.7	28
29					1310.73	61.1	6.3	6.3	1310.66	60.9	7.5	7.5	1310.62	60.8	4.5	4.5	29
30					1310.79	61.2	6.5	6.5	1310.66	60.9	7.5	7.5	1310.61	60.8	4.7	4.7	30
31					1310.79	61.2	8.5	8.5					1310.62	60.8	4.9	4.9	31
TOTAL			438.2	447.6			745.5	745.7			279.5	279.7			172.7	172.8	
INF. AC. FT.			869.1				1478.6				554.3				342.5		
OUTF. AC. FT.			887.8				1479.0				554.7				342.7		
MAX. MEAN DAILY INF.			101.0				116.1				14.1				7.3		
MIN. MEAN DAILY INF.			1.5				6.3				7.5				4.5		
STORAGE CHANGE			- 18.6				- 0.3				- 0.3				- 0.1		

SAWPIT 1977 - 78

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	1310.62	60.8	4.9	4.9	1310.62	60.8	5.0	5.0	1310.60	60.7	3.9	3.9	1310.63	60.8	3.6	3.6	1
2	1310.62	60.8	4.7	4.7	1310.62	60.8	4.9	4.9	1310.61	60.8	4.0	3.9	1310.61	60.8	3.7	3.7	2
3	1310.62	60.8	4.5	4.5	1310.62	60.8	4.7	4.7	1310.62	60.8	3.9	3.9	1310.59	60.7	3.8	3.9	3
4	1310.62	60.8	4.3	4.3	1310.62	60.8	4.7	4.7	1310.62	60.8	3.9	3.9	1310.57	60.7	3.9	3.9	4
5	1310.62	60.8	4.3	4.3	1310.62	60.8	4.7	4.7	1310.61	60.8	3.9	3.9	1308.88	56.8	5.2	7.1	5
6	1310.62	60.8	4.3	4.3	1310.60	60.7	4.6	4.7	1310.61	60.8	3.9	3.9	1307.31	53.4	5.3	7.0	6
7	1310.62	60.8	4.3	4.3	1310.62	60.8	4.6	4.5	1310.61	60.8	3.9	3.9	1305.07	48.6	3.8	6.3	7
8	1310.61	60.8	4.3	4.3	1310.61	60.8	4.3	4.3	1310.62	60.8	3.9	3.9	1302.94	44.3	3.8	5.9	8
9	1310.61	60.8	4.3	4.3	1310.61	60.8	4.3	4.3	1310.61	60.8	3.9	3.9	1301.16	40.8	3.8	5.6	9
10	1310.61	60.8	4.5	4.5	1310.61	60.8	4.2	4.2	1310.61	60.8	3.9	3.9	1299.51	37.7	3.7	5.2	10
11	1310.61	60.8	4.5	4.5	1310.61	60.8	4.0	4.0	1310.61	60.8	3.9	3.9	1297.91	34.6	3.4	5.0	11
12	1310.61	60.8	4.7	4.7	1310.60	60.7	3.9	4.0	1310.59	60.7	3.8	3.9	1296.75	32.6	3.7	4.7	12
13	1310.61	60.8	4.7	4.7	1310.59	60.7	3.9	3.9	1310.60	60.7	3.7	3.7	1295.71	30.7	3.5	4.5	13
14	1310.61	60.8	4.9	4.9	1310.59	60.7	3.9	3.9	1310.60	60.7	3.9	3.9	1294.96	29.3	3.5	4.2	14
15	1310.61	60.8	4.9	4.9	1310.59	60.7	3.7	3.7	1310.59	60.7	3.9	3.9	1294.55	28.6	3.6	3.9	15
16	1310.61	60.8	4.9	4.9	1310.59	60.7	3.7	3.7	1310.59	60.7	3.9	3.9	1294.11	27.9	3.3	3.7	16
17	1310.61	60.8	4.7	4.7	1310.60	60.7	3.4	3.4	1310.59	60.7	3.9	3.9	1293.99	27.7	3.5	3.6	17
18	1310.61	60.8	4.7	4.7	1310.60	60.7	3.4	3.4	1310.59	60.7	3.9	3.9	1292.29	24.7	2.7	4.2	18
19	1310.60	60.7	4.6	4.7	1310.60	60.7	3.4	3.4	1310.60	60.7	3.9	3.9	1290.15	21.2	2.2	4.0	19
20	1310.61	60.8	4.8	4.7	1310.60	60.7	3.3	3.3	1310.60	60.7	3.9	3.9	1288.31	18.2	2.1	3.6	20
21	1310.61	60.8	4.7	4.7	1310.59	60.7	3.3	3.3	1310.60	60.7	3.7	3.7	1286.96	16.0	2.3	3.4	21
22	1310.61	60.8	4.7	4.7	1310.60	60.7	3.4	3.4	1310.60	60.7	3.7	3.7	1285.58	14.0	2.3	3.3	22
23	1310.61	60.8	4.7	4.7	1310.60	60.7	3.3	3.3	1310.63	60.8	3.8	3.7	1284.59	12.5	2.3	3.1	23
24	1310.61	60.8	4.9	4.9	1310.60	60.7	3.4	3.4	1310.63	60.8	3.7	3.7	1283.60	11.1	2.3	3.0	24
25	1310.61	60.8	5.0	5.0	1310.60	60.7	3.4	3.4	1310.64	60.8	3.7	3.7	1282.75	10.0	2.4	2.9	25
26	1310.62	60.8	5.2	5.2	1310.60	60.7	3.4	3.4	1310.64	60.8	3.7	3.7	1282.08	9.2	2.4	2.8	26
27	1310.62	60.8	5.2	5.2	1310.60	60.7	3.6	3.6	1310.65	60.9	3.7	3.7	1281.48	8.5	2.3	2.7	27
28	1310.62	60.8	5.2	5.2	1310.61	60.8	3.8	3.7	1310.65	60.9	3.7	3.7	1281.16	8.1	2.4	2.6	28
29	1310.62	60.8	5.0	5.0	1310.60	60.7	3.8	3.9	1310.65	60.9	3.6	3.6	1280.55	7.5	2.3	2.6	29
30	1310.62	60.8	5.0	5.0	1310.61	60.8	4.0	3.9	1310.65	60.9	3.6	3.6	1280.28	7.2	2.5	2.6	30
31					1310.60	60.7	3.8	3.9	1310.64	60.8	3.6	3.6					31
TOTAL			141.4	141.4			121.8	121.9			118.3	118.2			95.6	122.6	
INF. AC. FT.			280.4				241.5				234.6				189.6		
OUTF. AC. FT.			280.4				241.7				234.4				243.1		
MAX. MEAN DAILY INF.			5.2				5.0				4.0				5.3		
MIN. MEAN DAILY INF.			4.3				3.3				3.6				2.1		
STORAGE CHANGE			0				0.1				0.1				53.6		

MAX. W. S. ELEV.	1350.79 feet	on	03-05-78	STORAGE	254.5	ACRE - FEET	
MIN. W. S. ELEV.	1280.28 feet	on	09-30-78	STORAGE	7.2	ACRE - FEET	
MAX. PEAK INF.	250.0 CFS from	0200 on	02-10-78 to	0300 on	02-10-78		
MAX. PEAK OUTF.	132.0 CFS from	2200 on	03-04-78 to	2200 on	03-04-78		
REMARKS:	CHANGED TO STORAGE TABLE NO. 19 ON 02-10-78						
	43.3 ACRE-FT. WERE LOST DUE TO SILTATION						

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

SAWPIT DAM

1978-79

DRAINAGE AREA 3.24 SQ. MI.
RESERVOIR CAPACITY 371.9 A.F.
AT SPILLWAY ELEVATION 1360.0 FT.
AS OF DECEMBER, 1978

GAGE HEIGHT AND STORAGES ARE AS OF MIDNIGHT ON THE 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	1279.94	6.8	2.2	2.4			3.0	3.0	1270.00	0	3.4	3.4	1310.46	75.8	2.4	2.4	1
2	1269.00	0	1.6	5.0			3.0	3.0	1270.00	0	3.4	3.4	1310.47	75.8	2.4	2.4	2
3	1269.00	0	2.3	2.3			3.0	3.0	1270.00	0	3.4	3.4	1310.47	75.8	2.3	2.3	3
4	1269.00	0	2.4	2.4			3.0	3.0	1270.00	0	3.4	3.4	1310.47	75.8	2.3	2.3	4
5	1269.00	0	2.2	2.2			3.0	3.0	1270.00	0	3.4	3.4	1310.73	76.7	2.9	2.4	5
6	1269.00	0	2.2	2.2			3.0	3.0	1270.00	0	3.4	3.4	1310.55	76.1	3.7	4.0	6
7	1269.00	0	2.3	2.3			3.0	3.0	1270.00	0	3.4	3.4	1310.52	76.0	3.8	3.9	7
8	1269.00	0	2.3	2.3			3.0	3.0	1270.00	0	3.4	3.4	1310.50	75.9	3.6	3.6	8
9	1269.00	0	2.1	2.1			3.0	3.0	1270.00	0	3.4	3.4	1310.50	75.9	3.4	3.4	9
10	1269.00	0	2.2	2.2			3.0	3.0	1270.00	0	3.4	3.4	1310.49	75.9	3.3	3.3	10
11	1269.00	0	2.0	2.0	N		3.0	3.0	1270.00	0	3.4	3.4	1310.49	75.9	3.3	3.3	11
12	1269.00	0	2.1	2.1	O		3.0	3.0	1270.00	0	3.4	3.4	1310.49	75.9	3.1	3.1	12
13	1269.00	0	2.0	2.0			3.0	3.0	1270.00	0	3.4	3.4	1310.49	75.9	3.1	3.1	13
14	1269.00	0	2.3	2.3	S		3.0	3.0	1270.00	0	3.4	3.4	1310.50	75.9	3.3	3.3	14
15	1269.00	0	2.3	2.3	T		3.0	3.0	1270.00	0	3.4	3.4	1310.70	76.6	4.8	4.5	15
16	1269.00	0	2.6	2.6	O		2.1	2.1	1270.00	0	3.4	3.4	1310.61	76.3	5.3	5.4	16
17	1269.00	0	2.2	2.2	R		2.1	2.1	1274.86	2.3	3.1	1.9	1310.57	76.1	4.6	4.7	17
18	1269.00	0	3.0	3.0	A		3.0	3.0	1283.75	12.2	5.0	0	1310.55	76.1	4.5	4.5	18
19	1269.00	0	3.0	3.0	G		3.0	3.0	1288.17	19.6	3.7	0	1310.54	76.0	4.4	4.5	19
20	1269.00	0	3.0	3.0	E		3.0	3.0	1292.70	28.4	4.4	0	1310.53	76.0	4.5	4.5	20
21	1269.00	0	3.0	3.0			3.0	3.0	1295.23	33.9	2.8	0	1310.52	76.0	4.5	4.5	21
22	1269.00	0	3.0	3.0			3.0	3.0	1297.35	38.8	2.5	0	1310.52	76.0	4.3	4.3	22
23	1269.00	0	3.0	3.0			3.0	3.0	1299.27	43.5	2.3	0	1310.52	76.0	4.3	4.3	23
24	1269.00	0	3.0	3.0			3.3	3.3	1301.05	48.1	2.4	0	1310.51	75.9	4.3	4.3	24
25	1269.00	0	3.0	3.0			3.4	3.4	1302.71	52.5	2.2	0	1310.52	76.0	4.3	4.3	25
26	1269.00	0	3.0	3.0			3.4	3.4	1304.28	56.9	2.2	0	1310.51	75.9	4.3	4.3	26
27	1269.00	0	3.0	3.0			3.4	3.4	1305.78	61.2	2.2	0	1310.51	75.9	4.2	4.2	27
28	1269.00	0	3.0	3.0			3.4	3.4	1307.21	65.4	2.1	0	1310.51	75.9	4.2	4.2	28
29	1269.00	0	3.0	3.0			3.4	3.4	1308.58	69.7	2.1	0	1310.51	75.9	4.0	4.0	29
30	1269.00	0	3.0	3.0			3.4	3.4	1309.88	73.8	2.1	0	1310.83	77.0	4.7	4.2	30
31	1269.00	0	3.0	3.0					1310.46	75.8	2.6	1.6	1310.89	77.2	5.7	5.6	31
TOTAL			79.3	82.9			90.9	90.9			96.1	57.9			119.8	119.1	
INF. AC. FT.			157.2				180.2				190.6				237.6		
OUTF. AC. FT.			164.4				180.2				114.8				236.2		
MAX. MEAN DAILY INF.			3.0				3.4				5.0				5.7		
MIN. MEAN DAILY INF.			1.6				2.1				2.1				2.3		
STORAGE CHANGE		-	7.2				0				75.8				1.4		

SAWPIT 1978 - 79

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	1310.73	76.7	5.5	5.8	1310.66	76.4	5.9	5.8	1310.79	76.9	7.3	7.3	1310.62	76.3	2.7	2.7	1
2	1310.70	76.6	5.4	5.4	1310.63	76.3	5.3	5.4	1310.77	76.8	6.9	7.0	1310.60	76.2	2.6	2.7	2
3	1310.65	76.4	4.4	4.5	1310.62	76.3	5.0	5.0	1310.76	76.8	6.5	6.5	1310.59	76.2	2.7	2.7	3
4	1310.63	76.3	4.1	4.2	1310.62	76.3	5.0	5.0	1310.75	76.8	6.1	6.1	1310.58	76.2	2.7	2.7	4
5	1310.61	76.3	3.9	3.9	1310.61	76.3	4.9	4.9	1310.73	76.7	5.8	5.8	1310.58	76.2	2.6	2.6	5
6	1310.60	76.2	3.7	3.7	1310.61	76.3	4.5	4.5	1310.73	76.7	5.8	5.8	1310.59	76.2	2.4	2.4	6
7	1310.59	76.2	3.7	3.7	1310.60	76.2	4.2	4.3	1310.72	76.6	5.5	5.6	1310.59	76.2	2.7	2.7	7
8	1310.58	76.2	3.6	3.6	1310.59	76.2	4.3	4.3	1310.71	76.6	5.6	5.6	1310.59	76.2	2.7	2.7	8
9	1310.57	76.1	3.5	3.6	1310.60	76.2	4.3	4.3	1310.72	76.6	5.4	5.4	1310.58	76.2	2.6	2.6	9
10	1310.57	76.1	3.6	3.6	1310.59	76.2	4.3	4.3	1310.70	76.6	5.2	5.2	1310.57	76.1	2.6	2.6	10
11	1310.56	76.1	3.6	3.6	1310.59	76.2	4.3	4.3	1310.70	76.6	5.0	5.0	1310.57	76.1	2.6	2.6	11
12	1310.55	76.1	3.6	3.6	1310.59	76.2	4.3	4.3	1310.69	76.5	4.9	4.9	1310.56	76.1	2.6	2.6	12
13	1310.57	76.1	3.3	3.3	1310.72	76.6	4.6	4.3	1310.68	76.5	4.5	4.5	1310.56	76.1	2.4	2.4	13
14	1310.56	76.1	3.9	3.9	1310.62	76.3	4.8	5.0	1310.67	76.5	4.0	4.0	1310.55	76.1	2.6	2.6	14
15	1310.55	76.1	3.6	3.6	1310.63	76.3	4.2	4.2	1310.67	76.5	3.6	3.6	1310.56	76.1	2.6	2.6	15
16	1310.55	76.1	3.3	3.3	1310.63	76.3	4.2	4.2	1310.67	76.5	3.6	3.6	1310.57	76.1	2.6	2.6	16
17	1310.55	76.1	3.1	3.1	1310.67	76.5	5.9	5.8	1310.66	76.4	3.6	3.7	1310.56	76.1	2.6	2.6	17
18	1310.54	76.0	3.1	3.1	1310.71	76.6	5.3	5.2	1310.66	76.4	3.5	3.5	1310.56	76.1	2.6	2.6	18
19	1310.55	76.1	3.1	3.1	1310.75	76.8	6.6	6.5	1310.64	76.4	3.3	3.3	1310.56	76.1	2.6	2.6	19
20	1310.68	76.5	3.4	3.2	1310.73	76.7	5.7	5.8	1310.64	76.4	3.1	3.1	1310.56	76.1	2.6	2.6	20
21	1310.69	76.5	7.9	7.9	1310.72	76.6	5.2	5.2	1310.63	76.3	3.0	3.0	1310.56	76.1	2.7	2.7	21
22	1310.65	76.4	5.8	5.8	1310.71	76.6	5.2	5.2	1310.63	76.3	3.0	3.0	1310.56	76.1	2.7	2.7	22
23	1310.64	76.4	5.8	5.8	1310.70	76.6	5.0	5.0	1310.62	76.3	2.9	2.9	1310.57	76.1	2.6	2.6	23
24	1310.62	76.3	5.3	5.4	1310.70	76.6	4.7	4.7	1310.62	76.3	3.0	3.0	1310.57	76.1	2.6	2.6	24
25	1310.61	76.3	5.2	5.2	1310.69	76.5	4.6	4.7	1310.62	76.3	3.0	3.0	1310.57	76.1	2.3	2.3	25
26	1310.61	76.3	5.0	5.0	1310.70	76.6	4.6	4.5	1310.61	76.3	3.0	3.0	1310.57	76.1	2.3	2.3	26
27	1310.61	76.3	4.9	4.9	1310.82	77.0	9.9	9.7	1310.61	76.3	2.7	2.7	1310.58	76.2	2.6	2.6	27
28	1310.61	76.3	4.9	4.9	1310.88	77.2	10.0	9.9	1310.61	76.3	2.7	2.7	1310.58	76.2	2.4	2.4	28
29					1310.85	77.1	9.7	9.8	1310.60	76.2	2.6	2.7	1310.57	76.1	2.4	2.4	29
30					1310.82	77.0	8.5	8.5	1310.61	76.3	2.8	2.7	1310.57	76.1	2.6	2.6	30
31					1310.80	76.9	7.9	8.0					1310.57	76.1	2.6	2.6	31
TOTAL			120.2	120.7			172.9	172.6			127.9	128.2			79.9	80.0	
INF. AC. FT.			238.4				342.9				253.6				158.4		
OUTF. AC. FT.			239.4				342.3				254.2				158.6		
MAX. MEAN DAILY INF.			7.9				10.0				7.3				2.7		
MIN. MEAN DAILY INF.			3.1				4.2				2.6				2.3		
STORAGE CHANGE		-	0.9				0.6			-	0.6			-	0.2		

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	1310.57	76.1	2.6	2.6	1310.51	75.9	1.7	1.7	1310.52	76.0	1.9	1.8	1310.51	75.9	0.7	0.8	1
2	1310.57	76.1	2.6	2.6	1310.52	76.0	1.9	1.8	1310.53	76.0	1.8	1.8	1310.51	75.9	1.2	1.2	2
3	1310.57	76.1	2.7	2.7	1310.52	76.0	1.8	1.8	1310.55	76.1	1.5	1.5	1310.50	75.9	1.3	1.3	3
4	1310.57	76.1	2.8	2.8	1310.52	76.0	1.9	1.9	1310.54	76.0	1.4	1.4	1310.50	75.9	1.6	1.6	4
5	1310.57	76.1	2.9	2.9	1310.51	75.9	1.7	1.8	1310.53	76.0	1.6	1.6	1310.50	75.9	1.4	1.4	5
6	1310.59	76.2	3.1	3.0	1310.51	75.9	1.8	1.8	1310.53	76.0	1.7	1.7	1310.50	75.9	1.0	1.0	6
7	1310.59	76.2	3.1	3.1	1310.51	75.9	1.8	1.8	1310.53	76.0	1.6	1.6	1310.50	75.9	0.8	0.8	7
8	1310.56	76.1	2.8	2.9	1310.51	75.9	1.9	1.9	1310.53	76.0	1.6	1.6	1310.50	75.9	0.7	0.7	8
9	1310.55	76.1	2.9	2.9	1310.50	75.9	1.9	1.9	1310.53	76.0	1.6	1.6	1310.49	75.9	0.7	0.7	9
10	1310.54	76.0	2.8	2.9	1310.50	75.9	1.8	1.8	1310.53	76.0	1.5	1.5	1310.50	75.9	0.6	0.6	10
11	1310.54	76.0	2.9	2.9	1310.51	75.9	1.8	1.8	1310.53	76.0	1.6	1.5	1310.50	75.9	0.7	0.7	11
12	1310.53	76.0	2.9	2.9	1310.50	75.9	1.7	1.7	1310.54	76.0	1.3	1.3	1310.49	75.9	0.6	0.6	12
13	1310.52	76.0	3.0	3.0	1310.52	76.0	1.7	1.6	1310.55	76.1	1.4	1.4	1310.50	75.9	0.6	0.6	13
14	1310.52	76.0	2.7	2.7	1310.52	76.0	1.6	1.6	1310.54	76.0	1.4	1.4	1310.50	75.9	0.6	0.6	14
15	1310.52	76.0	1.9	1.9	1310.52	76.0	1.5	1.5	1310.53	76.0	1.4	1.4	1310.50	75.9	0.6	0.6	15
16	1310.54	76.0	1.9	1.9	1310.52	76.0	1.4	1.4	1310.52	76.0	1.4	1.4	1310.50	75.9	0.6	0.6	16
17	1310.55	76.1	2.2	2.1	1310.53	76.0	1.3	1.3	1310.53	76.0	1.4	1.4	1310.50	75.9	0.6	0.6	17
18	1310.54	76.0	2.0	2.1	1310.53	76.0	1.4	1.4	1310.53	76.0	1.4	1.4	1310.50	75.9	0.7	0.7	18
19	1310.53	76.0	1.9	1.9	1310.53	76.0	1.5	1.5	1310.53	76.0	1.4	1.4	1310.49	75.9	0.8	0.8	19
20	1310.53	76.0	1.8	1.8	1310.55	76.1	1.4	1.4	1310.53	76.0	1.4	1.4	1310.50	75.9	0.8	0.8	20
21	1310.53	76.0	1.8	1.8	1310.55	76.1	1.4	1.4	1310.53	76.0	1.4	1.4	1310.50	75.9	0.8	0.8	21
22	1310.52	76.0	1.9	1.9	1310.55	76.1	1.4	1.4	1310.52	76.0	1.6	1.6	1310.50	75.9	0.8	0.8	22
23	1310.52	76.0	1.9	1.9	1310.54	76.0	1.4	1.4	1310.51	75.9	1.6	1.7	1310.50	75.9	0.9	0.9	23
24	1310.52	76.0	2.0	2.0	1310.54	76.0	1.5	1.5	1310.51	75.9	1.8	1.8	1310.51	75.9	1.0	1.0	24
25	1310.52	76.0	2.0	2.0	1310.54	76.0	1.5	1.5	1310.51	75.9	1.5	1.5	1310.51	75.9	0.9	0.9	25
26	1310.52	76.0	2.0	2.0	1310.55	76.1	1.4	1.4	1310.51	75.9	1.4	1.4	1310.50	75.9	0.9	0.9	26
27	1310.51	75.9	2.0	2.0	1310.54	76.0	1.5	1.5	1310.51	75.9	1.5	1.5	1310.51	75.9	0.9	0.9	27
28	1310.50	75.9	2.0	2.0	1310.52	76.0	1.6	1.6	1310.53	76.0	1.1	1.0	1310.51	75.9	0.9	0.9	28
29	1310.50	75.9	1.9	1.9	1310.53	76.0	1.8	1.8	1310.54	76.0	0.9	0.9	1310.52	76.0	1.0	0.9	29
30	1310.50	75.9	1.9	1.9	1310.52	76.0	1.7	1.7	1310.52	76.0	0.9	0.9	1310.52	76.0	0.9	0.9	30
31					1310.51	75.9	1.7	1.8	1310.52	76.0	0.9	0.9					31
TOTAL			70.9	71.0			50.4	50.4			44.8	44.7			25.6	25.6	
INF. AC. FT.			140.6				99.9				88.8				50.7		
OUTF. AC. FT.			140.8				99.9				88.6				50.7		
MAX. MEAN DAILY INF.			3.1				1.9				1.9				1.6		
MIN. MEAN DAILY INF.			1.8				1.3				0.9				0.6		
STORAGE CHANGE			0.2				0				0.1				0.0		

MAX. W. S. ELEV.	1311.24 feet	on	03-27-79	STORAGE	78.4	ACRE - FEET
MIN. W. S. ELEV.	1276.00 feet	on	VARIES	STORAGE	0	ACRE - FEET
MAX. PEAK INF.	19.4 CFS	from	0814 on	03-27-79	to 0914 on	03-27-79
MAX. PEAK OUTF.	19.6 CFS	from	0930 on	03-27-79	to 0930 on	03-27-79

REMARKS:

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

SAWPIT DAM

1979-80

DRAINAGE AREA 3.24 SQ. MI.
RESERVOIR CAPACITY 371.9 A.F.
AT SPILLWAY ELEVATION 1360.0 FT.
AS OF DECEMBER, 1978

GAGE HEIGHT AND STORAGES ARE AS OF MIDNIGHT ON THE 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	1310.52	76.0	0.9	0.9	1310.52	76.0	1.2	1.2	1310.54	76.0	1.3	1.3	1310.54	76.0	1.2	1.3	1
2	1310.51	75.9	0.8	0.9	1310.52	76.0	1.1	1.1	1310.54	76.0	1.2	1.2	1310.54	76.0	1.3	1.3	2
3	1310.51	75.9	0.8	0.8	1310.52	76.0	1.1	1.1	1310.54	76.0	1.1	1.1	1310.54	76.0	1.3	1.3	3
4	1310.51	75.9	0.8	0.8	1310.52	76.0	1.2	1.2	1310.54	76.0	1.0	1.0	1310.54	76.0	1.3	1.3	4
5	1310.50	75.9	0.8	0.8	1310.52	76.0	1.3	1.3	1310.54	76.0	1.0	1.0	1310.54	76.0	1.3	1.3	5
6	1310.51	75.9	0.8	0.8	1310.52	76.0	1.3	1.3	1310.54	76.0	0.9	0.9	1310.54	76.0	1.3	1.3	6
7	1310.51	75.9	0.9	0.9	1310.55	76.1	1.4	1.3	1310.54	76.0	0.9	0.9	1310.55	76.1	1.4	1.3	7
8	1310.52	76.0	1.0	0.9	1310.53	76.0	1.3	1.4	1310.54	76.0	0.9	0.9	1310.56	76.1	1.4	1.4	8
9	1310.53	76.0	0.8	0.8	1310.53	76.0	1.4	1.4	1310.54	76.0	0.9	0.9	1310.68	76.5	4.0	3.8	9
10	1310.53	76.0	0.8	0.8	1310.54	76.0	1.4	1.4	1310.55	76.1	1.2	1.1	1310.78	76.9	2.9	2.7	10
11	1310.53	76.0	0.8	0.8	1310.53	76.0	1.4	1.4	1310.54	76.0	1.0	1.1	1310.74	76.7	3.9	4.0	11
12	1310.52	76.0	0.7	0.7	1310.53	76.0	1.4	1.4	1310.54	76.0	1.1	1.1	1310.68	76.5	2.3	2.4	12
13	1310.54	76.0	0.7	0.7	1310.53	76.0	1.4	1.4	1310.54	76.0	1.0	1.0	1310.91	77.3	3.2	2.8	13
14	1310.54	76.0	0.7	0.7	1310.52	76.0	1.4	1.4	1310.54	76.0	1.0	1.0	1310.90	77.3	5.8	5.8	14
15	1310.54	76.0	0.8	0.8	1310.52	76.0	1.3	1.3	1310.54	76.0	1.0	1.0	1310.76	76.8	3.8	4.0	15
16	1310.55	76.1	1.0	0.9	1310.52	76.0	1.3	1.3	1310.54	76.0	1.0	1.0	1310.72	76.6	2.5	2.6	16
17	1310.55	76.1	0.9	0.9	1310.54	76.0	1.4	1.4	1310.54	76.0	1.1	1.1	1310.75	76.8	2.3	2.2	17
18	1310.56	76.1	1.0	1.0	1310.53	76.0	1.4	1.4	1310.54	76.0	1.1	1.1	1310.71	76.6	2.2	2.3	18
19	1310.62	76.3	1.2	1.1	1310.54	76.0	1.4	1.4	1310.54	76.0	1.1	1.1	1310.69	76.5	1.9	2.0	19
20	1310.64	76.4	4.1	4.1	1310.54	76.0	1.4	1.4	1310.54	76.0	1.1	1.1	1310.67	76.5	1.9	1.9	20
21	1310.55	76.1	1.1	1.2	1310.54	76.0	1.4	1.4	1310.56	76.1	1.3	1.2	1310.65	76.4	1.9	1.9	21
22	1310.52	76.0	1.4	1.5	1310.54	76.0	1.3	1.3	1310.55	76.1	1.2	1.2	1310.64	76.4	1.9	1.9	22
23	1310.51	75.9	1.5	1.6	1310.54	76.0	1.4	1.4	1310.55	76.1	1.2	1.2	1310.63	76.3	1.7	1.8	23
24	1310.51	75.9	1.5	1.5	1310.54	76.0	1.3	1.3	1310.58	76.2	1.3	1.3	1310.63	76.3	1.8	1.8	24
25	1310.51	75.9	1.3	1.3	1310.54	76.0	1.3	1.3	1310.56	76.1	1.5	1.5	1310.62	76.3	1.8	1.8	25
26	1310.51	75.9	1.4	1.4	1310.55	76.1	1.3	1.2	1310.55	76.1	1.3	1.3	1310.62	76.3	1.7	1.7	26
27	1310.51	75.9	1.3	1.3	1310.55	76.1	1.2	1.2	1310.55	76.1	1.3	1.3	1310.64	76.4	1.8	1.7	27
28	1310.54	76.0	1.4	1.3	1310.55	76.1	1.1	1.1	1310.55	76.1	1.3	1.3	1311.93	80.8	6.2	4.0	28
29	1310.51	75.9	0.9	1.0	1310.54	76.0	0.8	0.9	1310.55	76.1	1.3	1.3	1311.40	79.0	49.3	50.2	29
30	1310.51	75.9	1.1	1.1	1310.54	76.0	0.9	0.9	1310.54	76.0	1.2	1.3	1310.86	77.1	8.7	9.7	30
31	1310.52	76.0	1.2	1.1					1310.55	76.1	1.4	1.3	1310.75	76.8	5.3	5.4	31
TOTAL			34.4	34.4			38.5	38.5			35.2	35.1			129.3	128.9	
INF. AC. FT.			68.2				76.3				69.8				256.4		
OUTF. AC. FT.			68.2				76.3				69.6				255.6		
MAX. MEAN DAILY INF.			4.1				1.4				1.5				49.3		
MIN. MEAN DAILY INF.			0.7				0.8				0.9				1.2		
STORAGE CHANGE			0.0				0.0				0.1				0.7		

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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	1310.70	76.6	4.6	4.7	1311.53	67.5	23.1	23.2	1311.92	68.6	11.1	11.0	1310.66	65.2	8.5	8.5	1
2	1310.67	76.5	3.9	4.0	1311.92	68.6	20.0	19.4	1311.92	68.6	11.4	11.4	1310.66	65.2	7.5	7.5	2
3	1310.64	76.4	3.7	3.7	1311.83	68.3	31.5	31.6	1311.91	68.6	11.0	11.0	1310.65	65.2	7.0	7.0	3
4	1310.63	76.3	3.3	3.4	1311.73	68.1	25.9	26.0	1311.94	68.6	11.0	11.0	1310.65	65.2	6.8	6.8	4
5	1310.61	76.3	3.0	3.0	1311.98	68.7	31.7	31.4	1312.00	68.8	11.1	11.0	1310.65	65.2	6.8	6.8	5
6	1310.60	76.2	2.8	2.8	1312.06	69.0	44.0	43.9	1312.00	68.8	11.4	11.4	1310.65	65.2	6.8	6.8	6
7	1310.60	76.2	2.6	2.6	1312.01	68.8	36.0	36.1	1311.97	68.7	10.9	11.0	1310.66	65.2	6.8	6.8	7
8	1310.61	76.3	1.8	1.8	1311.99	68.8	27.3	27.3	1311.96	68.7	10.9	10.9	1310.66	65.2	6.5	6.5	8
9	1310.60	76.2	1.8	1.8	1311.94	68.6	25.2	25.3	1311.98	68.7	10.7	10.7	1310.65	65.2	6.8	6.8	9
10	1310.60	76.2	1.7	1.7	1311.91	68.6	24.6	24.6	1311.99	68.8	11.1	11.0	1310.66	65.2	8.1	8.1	10
11	1310.59	76.2	1.6	1.6	1311.87	68.4	23.8	23.9	1312.05	68.9	11.0	11.0	1310.65	65.2	6.8	6.8	11
12	1310.60	76.2	1.6	1.6	1311.83	68.3	23.2	23.2	1312.10	69.1	11.5	11.4	1310.65	65.2	6.5	6.5	12
13	1311.13	78.0	4.4	3.5	1311.81	68.3	22.6	22.6	1312.14	69.2	11.5	11.4	1310.64	65.2	6.3	6.3	13
14	1311.21	78.3	17.8	17.6	1311.78	68.2	22.5	22.6	1312.16	69.3	11.7	11.7	1310.64	65.2	6.1	6.1	14
15	1332.63	173.7	95.6	47.5	1311.77	68.2	21.2	21.2	1312.14	69.2	12.0	12.0	1310.64	65.2	6.1	6.1	15
16	1353.55	316.1	131.2	59.5	1311.73	68.1	20.2	20.2	1312.15	69.2	12.0	12.0	1310.64	65.2	5.9	5.9	16
17	1323.17	109.8	49.0	153.0	1311.75	68.1	18.6	18.6	1312.15	69.2	12.0	12.0	1310.64	65.2	5.8	5.8	17
18	1333.19	160.4	83.1	57.6	1311.82	68.3	19.2	19.1	1312.15	69.2	12.0	12.0	1310.64	65.2	5.6	5.6	18
19	1345.29	236.3	99.8	61.5	1311.78	68.2	17.5	17.6	1312.13	69.2	11.7	11.7	1310.64	65.2	5.6	5.6	19
20	1345.48	237.7	62.2	61.5	1311.77	68.2	17.0	17.0	1312.20	69.4	11.8	11.7	1310.65	65.2	5.4	5.4	20
21	1345.07	234.7	64.5	66.0	1311.81	68.3	16.6	16.5	1312.22	69.4	12.0	12.0	1310.64	65.2	5.8	5.8	21
22	1340.07	201.3	58.2	75.0	1311.76	68.2	15.5	15.6	1310.68	65.3	14.8	16.9	1310.65	65.2	5.4	5.4	22
23	1331.41	150.5	52.4	78.0	1311.79	68.2	14.4	14.4	1310.66	65.2	11.9	12.0	1310.64	65.2	5.4	5.4	23
24	1317.85	88.0	52.4	84.0	1311.81	68.3	14.1	14.0	1310.66	65.2	11.7	11.7	1310.63	65.1	5.3	5.4	24
25	1311.57	67.6	47.9	58.1	1312.02	68.9	14.7	14.4	1310.66	65.2	11.4	11.4	1310.63	65.1	5.4	5.4	25
26	1311.54	67.6	33.4	33.4	1311.83	68.3	14.9	15.2	1310.66	65.2	11.0	11.0	1310.64	65.2	5.3	5.2	26
27	1311.55	67.6	27.3	27.3	1311.81	68.3	12.8	12.8	1310.66	65.2	10.4	10.4	1310.64	65.2	5.0	5.0	27
28	1311.55	67.6	26.0	26.0	1311.80	68.3	12.4	12.4	1310.67	65.2	10.7	10.7	1310.63	65.1	5.1	5.2	28
29	1311.55	67.6	24.6	24.6	1311.79	68.2	11.6	11.7	1310.66	65.2	10.1	10.1	1310.63	65.1	5.2	5.2	29
30					1311.83	68.3	11.8	11.7	1310.67	65.2	9.8	9.8	1310.64	65.2	5.3	5.2	30
31					1311.89	68.5	11.8	11.7					1310.64	65.2	5.2	5.2	31
TOTAL			962.2	966.8			645.7	645.2			341.6	343.3			190.1	190.1	
INF. AC. FT.			1908.4				1280.7				677.5				377.0		
OUTF. AC. FT.			1917.6				1279.7				680.9				377.0		
MAX. MEAN DAILY INF.			131.2				44.0				14.8				8.5		
MIN. MEAN DAILY INF.			1.6				11.6				9.8				5.0		
STORAGE CHANGE			- 9.2				0.9				- 3.9				0		

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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	1310.64	65.2	5.2	5.2	1310.62	65.1	2.7	2.7	1310.64	65.2	2.0	1.9	1310.50	64.8	1.8	1.8	1
2	1310.63	65.1	5.1	5.2	1310.62	65.1	2.8	2.8	1310.64	65.2	1.9	1.9	1310.50	64.8	1.8	1.8	2
3	1310.63	65.1	5.0	5.0	1310.63	65.1	2.6	2.6	1310.63	65.1	1.8	1.9	1310.50	64.8	1.8	1.8	3
4	1310.63	65.1	4.7	4.7	1310.63	65.1	2.7	2.7	1310.63	65.1	1.9	1.9	1310.50	64.8	1.7	1.7	4
5	1310.63	65.1	4.3	4.3	1310.62	65.1	2.6	2.6	1310.62	65.1	1.9	1.9	1310.50	64.8	1.7	1.7	5
6	1310.63	65.1	4.3	4.3	1310.62	65.1	2.6	2.6	1310.62	65.1	1.9	1.9	1310.50	64.8	1.6	1.6	6
7	1310.63	65.1	4.2	4.2	1310.61	65.1	2.4	2.4	1309.47	62.2	1.8	3.3	1310.51	64.8	1.7	1.7	7
8	1310.63	65.1	3.9	3.9	1310.61	65.1	2.3	2.3	1307.50	57.4	2.1	4.5	1310.51	64.8	1.7	1.7	8
9	1310.62	65.1	3.4	3.4	1310.61	65.1	2.3	2.3	1306.12	54.1	2.4	4.0	1310.51	64.8	1.6	1.6	9
10	1310.62	65.1	3.3	3.3	1310.62	65.1	2.3	2.3	1304.90	51.3	2.4	3.9	1310.51	64.8	1.5	1.5	10
11	1310.62	65.1	3.1	3.1	1310.61	65.1	2.3	2.3	1306.16	54.2	2.8	1.3	1310.50	64.8	1.5	1.5	11
12	1310.62	65.1	3.1	3.1	1310.61	65.1	2.3	2.3	1308.29	59.3	2.6	0	1310.51	64.8	1.5	1.5	12
13	1310.62	65.1	3.1	3.1	1310.62	65.1	2.3	2.3	1310.38	64.5	2.6	0	1310.51	64.8	1.6	1.6	13
14	1310.62	65.1	3.1	3.1	1310.61	65.1	2.3	2.3	1307.15	56.6	1.8	5.8	1310.51	64.8	1.6	1.6	14
15	1310.62	65.1	3.1	3.1	1310.62	65.1	2.2	2.2	1302.41	45.7	1.3	6.8	1310.51	64.8	1.7	1.7	15
16	1310.62	65.1	3.1	3.1	1310.61	65.1	2.2	2.2	1298.54	37.3	1.6	5.8	1310.51	64.8	1.7	1.7	16
17	1310.62	65.1	3.3	3.3	1310.62	65.1	2.1	2.1	1295.82	31.8	1.7	4.5	1310.51	64.8	1.6	1.6	17
18	1310.62	65.1	3.1	3.1	1310.62	65.1	2.1	2.1	1297.22	34.6	2.6	1.2	1310.50	64.8	1.7	1.7	18
19	1310.62	65.1	3.0	3.0	1310.62	65.1	2.1	2.1	1299.90	40.2	2.8	0	1310.51	64.8	1.7	1.7	19
20	1310.62	65.1	3.0	3.0	1310.62	65.1	2.1	2.1	1302.29	45.4	2.7	0	1310.51	64.8	1.8	1.8	20
21	1310.62	65.1	3.0	3.0	1310.63	65.1	2.0	2.0	1304.54	50.4	2.5	0	1310.51	64.8	1.8	1.8	21
22	1310.62	65.1	2.9	2.9	1310.63	65.1	2.0	2.0	1306.68	55.4	2.5	0	1310.51	64.8	1.9	1.9	22
23	1310.62	65.1	2.9	2.9	1310.63	65.1	1.9	1.9	1308.69	60.3	2.5	0	1310.50	64.8	1.8	1.8	23
24	1310.62	65.1	2.9	2.9	1310.63	65.1	1.9	1.9	1310.47	64.7	2.3	0.1	1310.49	64.8	1.8	1.8	24
25	1310.62	65.1	3.0	3.0	1310.63	65.1	1.9	1.9	1310.51	64.8	1.9	1.9	1310.49	64.8	1.7	1.7	25
26	1310.62	65.1	2.9	2.9	1310.63	65.1	1.8	1.8	1310.50	64.8	2.0	2.0	1310.49	64.8	1.7	1.7	26
27	1310.62	65.1	2.9	2.9	1310.63	65.1	1.8	1.8	1310.50	64.8	2.0	2.0	1310.49	64.8	1.7	1.7	27
28	1310.62	65.1	2.9	2.9	1310.63	65.1	1.8	1.8	1310.50	64.8	2.0	2.0	1310.49	64.8	1.7	1.7	28
29	1310.61	65.1	2.9	2.9	1310.64	65.2	1.9	1.8	1310.50	64.8	1.9	1.9	1310.49	64.8	1.7	1.7	29
30	1310.62	65.1	2.8	2.8	1310.63	65.1	1.8	1.9	1310.50	64.8	1.8	1.8	1310.49	64.8	1.6	1.6	30
31					1310.63	65.1	1.9	1.9	1310.50	64.8	1.8	1.8					31
TOTAL			103.5	103.6			68.0	68.0			65.8	66.0			50.7	50.7	
INF. AC. FT.			205.2				134.8				130.5				100.5		
OUTF. AC. FT.			205.4				134.8				130.9				100.5		
MAX. MEAN DAILY INF.			5.2				2.8				2.8				1.9		
MIN. MEAN DAILY INF.			2.8				1.8				1.3				1.5		
STORAGE CHANGE			0.1				0				0.3				0		

MAX. W. S. ELEV.	1355.16 feet	on	02-16-80	STORAGE 312.8	ACRE-FEET	
MIN. W. S. ELEV.	1295.16 feet	on	08-18-80	STORAGE 30.5	ACRE-FEET	
MAX. PEAK INF.	404.0 CFS from	1800	on 02-16-80 to	1900	on	02-16-80
MAX. PEAK OUTF.	240.0 CFS from	2300	on 02-16-80 to	2400	on	02-16-80

REMARKS: CHANGED TO STORAGE TABLE NO. 21 ON 02-17-80
16.9 ACRE-FT. WERE LOST DUE TO SILTATION

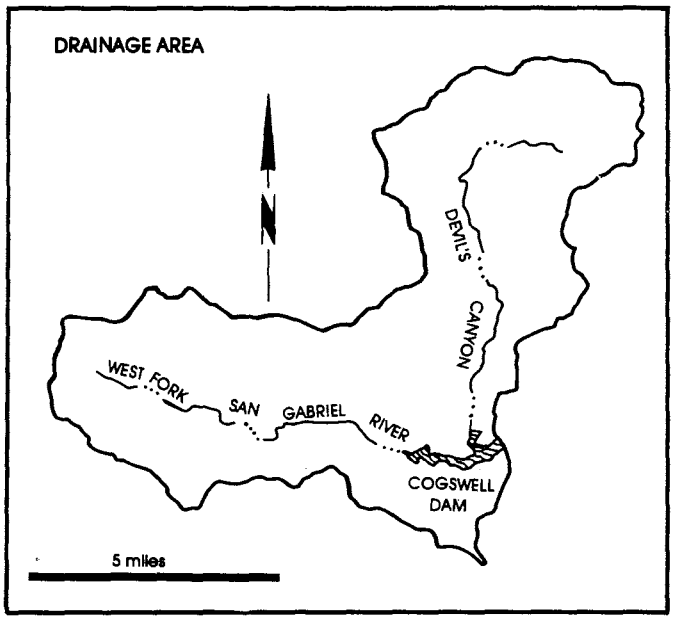
SAWPIT DAM

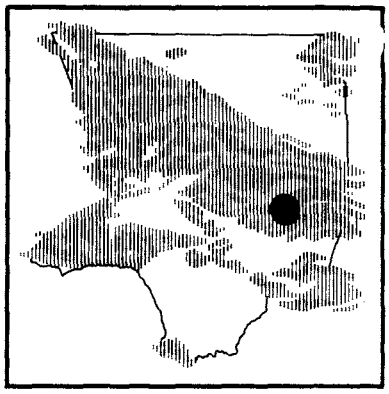
YEARLY RESERVOIR OPERATION SUMMARY

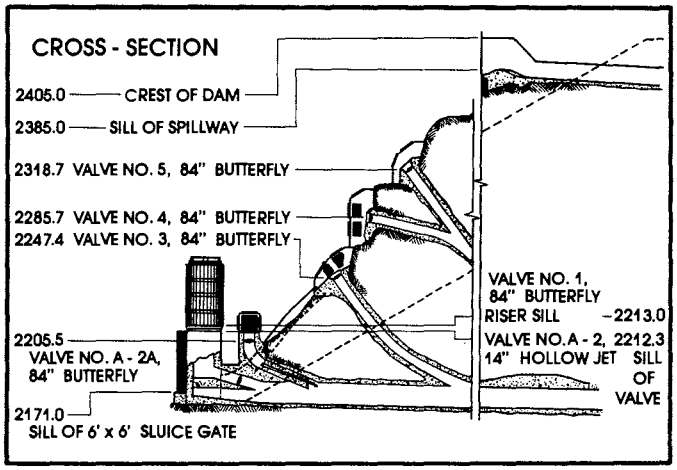
SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK MO	PEAK DAY	PEAK INFLOW CFS
1927-28	26	N.D.	0	39			N.D.
1928-29	96	5.3	0	108			N.D.
1929-30	219	7.9	0	208			N.D.
1930-31	97	3.9	0	68			N.D.
1931-32	710	56	0	726	2	9	76
1932-33	184	8.6	0	185			N.D.
1933-34	468	106	0	457	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
1972-73	1449	94	0.3	1538	2	11	350
1973-74	1350	57	0.1	1270	1	7	109
1974-75	921	5.9	0.5	921	3	6	15
1975-76	646	6.4	0.1	646	3	1	22
1976-77	603	7.2	1	603	10	22	74
1977-78	4642	116.1	1.2	4716	2	10	250
1978-79	2139	10	1.3	2070	3	27	19.4
1979-80	5285	131.2	1.2	5296	2	16	404

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

COGSWELL DAM
AND RESERVOIR







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.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

COGSWELL DAM

1977-78

DRAINAGE AREA 39.2 SQ. MI.
RESERVOIR CAPACITY 9320 A.F.
AT SPILLWAY ELEVATION 2385.0 FT.
AS OF MAY, 1973

GAGE HEIGHT AND STORAGES ARE AS OF MIDNIGHT ON THE 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	2305.27	1892.0	1.2	15.2	2283.70	1037.0	0.1	13.6	2263.45	522.5	0.8	3.1	2304.51	1855.5	15.8	3.3	1
2	2304.67	1863.2	1.1	15.2	2282.83	1010.9	0.1	14.0	2263.23	517.9	0.6	2.8	2304.91	1874.7	12.8	3.1	2
3	2304.06	1833.9	0.3	14.6	2281.92	983.6	0.1	13.9	2263.02	513.4	0.5	2.7	2305.36	1896.3	14.1	3.1	3
4	2303.46	1805.6	0.7	14.4	2281.00	956.8	0.1	13.6	2262.83	509.5	0.8	2.7	2308.14	2033.1	72.5	3.5	4
5	2302.84	1776.5	0	14.4	2280.09	930.9	0.1	13.4	2262.65	505.8	0.8	2.5	2310.20	2138.2	56.5	3.5	5
6	2302.24	1748.3	0.5	14.4	2279.13	904.0	0.1	12.9	2262.47	502.0	0.6	2.5	2311.69	2215.6	42.8	3.7	6
7	2301.63	1720.4	0.6	14.4	2278.16	877.4	0.1	12.9	2262.29	498.3	0.6	2.3	2312.78	2273.3	32.9	3.7	7
8	2301.03	1693.4	1.0	14.4	2277.18	851.0	0.1	12.6	2262.12	494.8	0.8	2.5	2313.62	2319.1	26.9	3.7	8
9	2300.40	1665.0	+	14.0	2276.19	824.7	0.1	12.6	2261.95	491.3	0.8	2.5	2316.53	2482.2	86.0	3.7	9
10	2299.77	1636.9	0.1	14.0	2275.19	798.6	0.1	12.6	2261.77	487.6	0.8	2.5	2324.42	2968.3	249.4	4.2	10
11	2299.13	1608.7	0.1	14.0	2274.19	772.9	0.1	12.6	2261.60	484.2	0.9	2.5	2327.98	3206.6	129.5	9.3	11
12	2298.48	1580.6	0.1	14.0	2273.17	747.0	0.1	12.6	2261.42	480.5	0.7	2.5	2329.71	3327.4	77.0	16.0	12
13	2297.82	1552.3	0.1	14.0	2272.15	721.6	0.1	12.2	2261.25	477.1	0.8	2.5	2330.81	3405.5	55.5	16.0	13
14	2297.15	1523.5	+	14.0	2271.11	696.2	0.1	12.2	2261.07	473.4	0.7	2.5	2335.27	3740.1	184.8	16.0	14
15	2296.48	1495.7	+	14.0	2270.08	671.4	0.1	12.2	2260.89	469.8	0.8	2.5	2351.00	5124.0	717.8	19.9	15
16	2295.80	1468.0	0.4	14.0	2269.03	646.6	0.1	12.2	2260.71	466.2	0.8	2.5	2355.99	5639.9	381.3	121.0	16
17	2295.12	1440.8	0.6	14.0	2267.99	622.5	0.1	11.9	2260.61	464.2	1.5	2.5	2355.38	5574.7	320.3	353.0	17
18	2294.42	1413.4	0.4	14.0	2267.36	608.1	0.1	8.1	2260.51	462.2	1.7	2.7	2350.33	5057.7	176.5	437.0	18
19	2293.73	1386.7	0.8	14.0	2267.06	601.3	0.1	4.6	2260.32	458.5	0.7	2.5	2344.27	4490.8	141.3	427.0	19
20	2293.03	1360.1	0.8	14.0	2266.75	594.3	+	4.6	2260.14	454.9	0.6	2.3	2337.11	3885.9	108.3	413.0	20
21	2292.31	1332.8	0.4	14.0	2266.42	587.0	+	4.5	2259.99	451.9	0.9	2.3	2328.88	3268.7	87.9	399.0	21
22	2291.58	1305.5	0.4	14.0	2266.09	579.6	0.7	4.4	2259.83	448.8	0.7	2.3	2319.63	2666.4	76.5	380.0	22
23	2290.83	1277.9	0.3	14.0	2265.76	572.3	0.8	4.4	2259.68	445.9	0.9	2.3	2309.24	2089.2	67.1	358.0	23
24	2290.09	1251.2	0.8	14.0	2265.42	564.8	0.7	4.4	2259.52	442.7	0.6	2.3	2297.66	1545.4	53.0	327.0	24
25	2289.33	1223.9	0.4	14.0	2265.10	557.8	1.0	4.4	2259.37	439.8	1.0	2.3	2289.16	1217.8	51.9	217.0	25
26	2288.56	1196.6	+	13.6	2264.78	550.9	1.0	4.4	2263.15	516.2	40.8	2.3	2286.64	1131.1	46.1	89.7	26
27	2287.78	1169.5	0.1	13.6	2264.47	544.2	0.9	4.2	2266.88	597.2	43.3	2.5	2288.62	1198.7	42.4	8.2	27
28	2287.01	1143.3	0.5	13.6	2264.19	538.2	1.1	4.0	2298.75	1592.3	504.6	2.9	2290.32	1259.5	38.7	8.0	28
29	2286.20	1116.6	0.2	13.6	2263.92	532.4	1.1	3.9	2301.95	1734.8	75.3	3.3	2291.80	1313.6	35.3	8.0	29
30	2285.39	1089.9	0.3	13.6	2263.68	527.3	1.0	3.5	2303.24	1795.3	33.8	3.3	2293.14	1364.3	33.7	8.0	30
31	2284.57	1063.7	0.5	13.6					2304.00	1831.0	21.4	3.3	2294.36	1411.0	31.8	8.2	31
TOTAL			12.7	436.6			10.2	277.4			739.6	80.2			3466.4	3674.8	
INF. AC. FT.			25.1				20.2				1466.9				6875.5		
OUTF. AC. FT.			865.9 + (15.8)				550.2 + (6.1)				159.0 + (4.1)				7288.8 + (6.7)		
MAX. MEAN DAILY INF.			1.2				1.1				504.6				717.8		
MIN. MEAN DAILY INF.			+				+				0.5				12.8		
STORAGE CHANGE			- 856.6				- 536.1				1303.7				- 420.0		

COGSWELL 1977 - 78

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	2295.43	1453.2	30.4	9.1	2383.19	8702.2	1986.9	1720.0	2385.51	9037.5	249.0	251.0	2385.46	9030.2	111.4	112.0	1
2	2296.36	1490.8	28.4	9.4	2381.53	8466.7	1591.4	1710.0	2385.49	9034.5	192.9	194.0	2385.44	9027.2	105.7	107.0	2
3	2297.19	1525.2	27.1	9.6	2378.01	7981.4	1035.5	1280.0	2385.49	9034.5	175.5	175.0	2385.42	9024.3	102.3	103.0	3
4	2297.93	1557.0	25.7	9.6	2382.33	8579.9	3851.8	3550.0	2385.62	9053.5	200.1	190.0	2385.40	9021.4	100.6	101.0	4
5	2299.10	1607.4	35.1	9.6	2375.94	7706.2	2079.7	2520.0	2385.54	9041.8	165.4	171.0	2385.39	9019.9	98.5	98.5	5
6	2300.67	1677.2	44.8	9.6	2369.29	6878.5	1222.8	1640.0	2385.75	9072.5	190.0	174.0	2385.39	9019.9	93.2	92.4	6
7	2302.44	1757.7	50.6	9.9	2365.41	6432.9	945.6	1170.0	2385.60	9050.6	234.1	245.0	2385.38	9018.5	88.5	88.6	7
8	2304.43	1851.6	57.8	10.2	2361.52	6010.6	767.3	980.0	2385.51	9037.5	176.7	183.0	2385.37	9017.0	87.1	86.6	8
9	2363.98	6536.7	2450.3	88.0	2361.07	5963.4	648.5	672.0	2385.46	9030.2	170.9	174.0	2385.37	9017.0	85.5	83.8	9
10	2385.96	9103.2	3564.3	2270.0	2360.29	5882.2	431.4	472.0	2385.23	8996.6	182.3	199.0	2385.02	8965.9	82.2	107.0	10
11	2381.60	8476.6	724.2	1040.0	2360.69	5923.8	443.1	422.0	2384.08	8829.6	183.7	267.0	2384.69	8918.1	79.4	102.0	11
12	2374.50	7520.0	498.2	980.0	2359.95	5846.9	398.6	437.0	2384.28	8858.6	167.2	152.0	2384.34	8867.3	77.2	102.0	12
13	2366.71	6579.2	455.0	929.0	2360.72	5926.9	347.5	307.0	2385.41	9022.9	138.9	55.5	2383.95	8810.9	74.8	102.0	13
14	2362.02	6063.1	355.9	616.0	2364.35	6314.9	279.1	83.2	2385.44	9027.2	141.6	139.0	2383.54	8752.2	73.5	102.0	14
15	2360.45	5898.8	273.4	356.0	2367.87	6712.1	240.2	39.2	2386.09	9122.3	334.3	286.0	2382.81	8648.0	69.7	121.0	15
16	2361.77	6036.9	227.9	158.0	2371.21	7108.8	210.8	10.2	2385.71	9066.7	279.2	307.0	2381.91	8520.3	67.5	131.0	16
17	2365.01	6388.1	190.1	12.9	2374.16	7476.5	195.9	10.2	2385.70	9065.2	211.6	212.0	2380.96	8386.4	65.4	131.0	17
18	2367.69	6691.4	165.9	12.6	2376.84	7824.9	186.4	10.2	2385.69	9063.7	189.5	190.0	2380.00	8253.0	62.2	128.0	18
19	2369.99	6961.8	149.4	12.6	2379.27	8152.3	175.7	10.2	2385.68	9062.3	177.3	177.0	2378.30	8020.5	65.0	181.0	19
20	2372.02	7208.5	137.0	12.2	2381.49	8461.1	166.5	10.2	2385.65	9057.9	167.7	169.0	2376.28	7751.0	62.6	197.0	20
21	2373.84	7435.8	127.1	12.2	2383.83	8793.7	178.5	10.9	2385.61	9052.1	159.7	162.0	2374.26	7489.3	65.5	197.0	21
22	2375.49	7647.7	119.8	12.6	2385.64	9056.4	255.7	123.0	2385.57	9046.2	151.7	154.0	2372.22	7233.3	58.7	186.0	22
23	2376.97	7842.0	111.4	12.9	2385.69	9063.7	206.4	202.0	2385.53	9040.4	142.9	145.0	2370.21	6988.2	60.4	183.0	23
24	2378.31	8021.9	104.1	13.3	2385.74	9071.0	178.0	174.0	2385.47	9031.6	136.5	140.0	2368.18	6748.1	58.6	179.0	24
25	2379.53	8188.1	97.7	13.6	2385.52	9038.9	146.4	162.0	2385.55	9043.3	160.3	154.0	2366.16	6517.1	58.3	174.0	25
26	2380.70	8350.3	96.4	14.0	2385.58	9047.7	156.1	151.0	2385.53	9040.4	135.9	137.0	2364.13	6290.4	54.4	168.0	26
27	2381.80	8504.8	92.1	14.0	2385.75	9072.5	149.8	137.0	2385.51	9037.5	128.0	129.0	2362.06	6067.4	50.2	162.0	27
28	2379.42	8173.0	559.1	726.0	2385.81	9081.3	141.9	137.0	2385.48	9033.1	121.4	123.0	2359.92	5843.8	44.1	156.0	28
29					2385.82	9082.7	133.7	132.0	2385.47	9031.6	119.1	119.0	2357.79	5625.8	41.0	150.0	29
30					2385.98	9106.1	152.2	140.0	2385.47	9031.6	117.5	117.0	2356.62	5508.0	40.4	98.7	30
31					2385.82	9082.7	448.3	459.0					2356.84	5530.0	41.2	28.7	31
TOTAL			10799.2	7382.9			19351.7	18881.3			5300.9	5290.5			2225.1	3959.3	
INF. AC. FT.			21419.9				38383.5				10514.1				4413.4		
OUTF. AC. FT.			14643.7 + (14.1)				37450.5 + (23.4)				10493.5 + (30.7)				7853.1 + (61.8)		
MAX. MEAN DAILY INF.			3564.3				3851.8				334.3				111.4		
MIN. MEAN DAILY INF.			25.7				133.7				117.5				40.4		
STORAGE CHANGE			6762.0				909.7				- 10.2				- 3501.6		

COGSWELL 1977 - 78

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	2357.13	5559.1	42.8	27.2	2365.43	6435.2	20.5	8.6	2367.50	6669.5	10.2	8.9	2366.02	6501.3	6.1	14.0	1
2	2357.37	5583.4	39.7	26.5	2365.61	6455.3	19.9	8.4	2367.48	6667.2	9.1	8.9	2365.82	6478.8	6.6	16.8	2
3	2357.61	5607.6	38.3	25.5	2365.78	6474.4	19.4	8.5	2367.47	6666.1	9.7	8.8	2365.62	6456.4	6.5	16.4	3
4	2357.81	5627.8	37.0	25.6	2365.96	6494.5	19.8	8.5	2367.45	6663.8	8.8	8.8	2365.42	6434.0	6.0	16.0	4
5	2357.98	5645.0	35.8	26.1	2366.19	6520.5	23.1	8.8	2367.44	6662.6	9.5	8.8	2365.43	6435.2	18.3	16.4	5
6	2358.10	5657.2	33.6	26.6	2366.34	6537.4	18.6	8.9	2367.41	6659.2	8.1	8.8	2365.44	6436.3	17.0	14.8	6
7	2358.19	5666.4	31.9	26.1	2366.48	6553.2	17.9	8.8	2367.38	6655.7	9.6	8.9	2365.38	6429.6	12.6	15.6	7
8	2358.51	5699.0	33.2	15.4	2366.59	6565.7	16.6	8.9	2367.35	6652.3	8.7	9.0	2365.18	6407.2	10.0	20.4	8
9	2358.96	5744.9	32.5	8.2	2366.70	6578.1	16.7	8.9	2367.32	6648.8	8.3	8.8	2364.89	6374.8	9.2	24.9	9
10	2359.41	5791.2	32.9	8.2	2366.81	6590.5	16.5	9.0	2367.29	6645.4	8.4	8.9	2364.63	6345.9	8.5	22.2	10
11	2359.84	5835.5	31.6	8.2	2366.90	6600.7	15.8	9.2	2367.26	6641.9	8.6	9.0	2364.41	6321.5	8.2	19.9	11
12	2360.26	5879.0	31.1	8.2	2366.99	6610.9	15.4	9.2	2367.22	6637.3	7.8	8.8	2363.42	6213.4	8.5	62.2	12
13	2360.65	5919.6	30.4	8.6	2367.07	6620.1	15.3	9.2	2367.18	6632.7	7.8	8.8	2362.03	6064.2	10.8	85.3	13
14	2361.03	5959.2	29.8	8.5	2367.15	6629.3	15.2	9.2	2367.14	6628.1	8.1	8.8	2359.65	5816.0	10.5	135.0	14
15	2361.40	5998.0	29.3	8.5	2367.21	6636.2	14.1	9.2	2367.09	6622.4	7.5	8.8	2357.19	5565.2	9.2	135.0	15
16	2361.75	6034.8	28.2	8.5	2367.27	6643.1	14.3	9.2	2367.04	6616.6	7.1	8.9	2354.69	5316.3	7.1	132.0	16
17	2362.07	6068.5	26.7	8.5	2367.32	6648.8	13.7	9.2	2366.99	6610.9	7.8	9.2	2352.17	5069.5	7.1	131.0	17
18	2362.38	6101.7	26.7	8.5	2367.36	6653.4	13.1	9.2	2366.94	6605.2	7.6	9.2	2349.69	4832.9	12.5	131.0	18
19	2362.67	6132.7	25.5	8.5	2367.39	6656.9	12.2	9.2	2366.90	6600.7	8.3	9.3	2347.09	4590.3	9.6	131.0	19
20	2362.94	6161.6	24.5	8.5	2367.42	6660.3	12.1	9.2	2366.84	6593.9	7.2	9.3	2344.43	4351.3	7.3	127.0	20
21	2363.20	6189.6	24.2	8.5	2367.44	6662.6	12.2	9.1	2366.78	6587.1	7.4	9.4	2341.68	4111.8	6.9	127.0	21
22	2363.45	6216.6	23.3	8.5	2367.46	6664.9	11.8	8.9	2366.72	6580.4	7.3	9.4	2338.82	3872.4	7.1	127.0	22
23	2363.67	6240.4	21.4	8.5	2367.48	6667.2	11.5	8.9	2366.67	6574.7	8.1	9.4	2335.87	3636.9	7.0	125.0	23
24	2363.89	6264.1	21.6	8.5	2367.49	6668.4	11.4	9.2	2366.61	6567.9	7.2	9.4	2332.80	3403.4	5.9	123.0	24
25	2364.10	6287.1	21.5	8.5	2367.51	6670.7	11.8	9.2	2366.55	6561.2	7.3	9.4	2330.92	3267.3	10.4	78.5	25
26	2364.32	6311.5	22.4	8.8	2367.52	6671.8	11.1	9.2	2366.50	6555.5	7.7	9.4	2330.94	3268.7	9.0	7.7	26
27	2364.54	6335.9	22.3	8.8	2367.54	6674.1	11.6	9.2	2366.44	6548.7	7.0	9.4	2327.95	3059.6	9.1	114.0	27
28	2364.76	6360.4	22.4	8.8	2367.54	6674.1	10.5	9.2	2366.38	6541.9	7.2	9.4	2323.15	2742.6	2.8	162.0	28
29	2364.99	6385.9	22.8	8.8	2367.54	6674.1	10.9	9.1	2366.31	6534.0	6.3	9.4	2318.18	2438.6	6.2	159.0	29
30	2365.24	6413.9	24.0	8.8	2367.52	6671.8	9.3	8.9	2366.25	6527.3	7.4	9.4	2313.08	2152.3	9.2	153.0	30
31					2367.51	6670.7	10.0	8.8	2366.18	6519.3	6.7	9.4					31
TOTAL			867.4	386.4			452.3	279.0			247.8	282.1			265.2	2443.1	
INF. AC. FT.			1720.4				897.1				491.5				526.0		
OUTF. AC. FT.			766.4 + (70.2)				553.3 + (86.8)				559.5 + (83.3)				4845.8 + (47.2)		
MAX. MEAN DAILY INF.			42.8				23.1				10.2				18.3		
MIN. MEAN DAILY INF.			21.4				9.3				6.3				2.8		
STORAGE CHANGE			883.9				256.8				- 151.4				- 4367.0		

MAX. W. S. ELEV.	2389.00 feet	on	03-04-78	STORAGE	9556	ACRE - FEET
MIN. W. S. ELEV.	2259.35 feet	on	12-26-77	STORAGE	439	ACRE - FEET
MAX. PEAK INF.	11200 CFS from		0200 on	02-10-78 to	0300 on	02-10-78
MAX. PEAK OUTF.	8440 CFS from		1400 on	03-04-78 to	1500 on	03-04-78
REMARKS:	() INDICATES EVAPORATION AND OTHER LOSSES					
	CHANGED TO STORAGE TABLE NO. 16 ON 02-10-78					
	355 ACRE-FT. WERE LOST DUE TO SILTATION					

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

COGSWELL DAM

1978-79

DRAINAGE AREA 39.2 SQ. MI.
RESERVOIR CAPACITY 8963 A.F.
AT SPILLWAY ELEVATION 2385.0 FT.
AS OF APRIL, 1978

GAGE HEIGHT AND STORAGES ARE AS OF MIDNIGHT ON THE 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	2307.15	1853.2	6.0	153.0	2274.56	712.5	6.0	2.7	2288.55	1097.2	10.0	2.7	2305.86	1791.6	12.8	10.5	1
2	2300.95	1570.9	7.1	149.0	2274.80	718.0	5.6	2.7	2288.96	1110.7	9.5	2.7	2305.93	1794.8	12.2	10.5	2
3	2294.06	1291.3	5.3	146.0	2275.06	724.0	5.8	2.7	2289.34	1123.6	9.3	2.7	2305.99	1797.5	12.0	10.5	3
4	2286.27	1025.4	5.2	139.0	2275.26	728.7	5.2	2.7	2289.71	1136.1	9.1	2.7	2306.04	1799.9	11.9	10.5	4
5	2276.90	768.2	5.7	135.0	2275.46	733.5	5.8	2.7	2290.07	1148.4	10.0	3.7	2310.45	2016.0	119.6	10.5	5
6	2270.53	624.1	6.9	79.4	2275.64	737.7	4.9	2.7	2290.39	1159.3	9.3	3.7	2314.39	2223.5	115.9	11.2	6
7	2270.85	630.8	7.3	3.7	2275.83	742.2	5.1	2.7	2290.71	1170.1	9.2	3.7	2315.73	2297.9	48.8	11.2	7
8	2271.02	634.3	5.6	3.7	2276.02	746.7	4.9	2.5	2291.03	1181.1	9.5	3.8	2316.62	2348.3	36.7	11.2	8
9	2271.18	637.8	5.5	3.7	2276.23	751.8	4.9	2.3	2291.35	1192.6	9.6	3.7	2317.39	2392.6	33.5	11.2	9
10	2271.36	641.6	5.8	3.7	2276.76	764.7	9.0	2.5	2291.68	1204.5	9.8	3.7	2317.91	2422.8	26.5	11.2	10
11	2271.52	645.0	5.6	3.7	2277.79	790.4	15.7	2.7	2291.99	1215.6	9.3	3.7	2318.50	2457.5	28.8	11.2	11
12	2271.66	648.0	5.5	3.7	2278.37	805.1	10.2	2.7	2292.30	1226.8	9.4	3.7	2319.11	2493.6	29.5	11.2	12
13	2271.77	650.4	5.1	3.7	2278.94	819.7	10.2	2.7	2292.60	1237.6	9.2	3.7	2319.58	2521.8	25.8	11.2	13
14	2271.87	652.5	4.9	3.7	2279.39	831.5	8.6	2.7	2292.90	1248.4	9.3	3.7	2320.12	2554.3	27.6	11.2	14
15	2271.98	654.9	5.0	3.7	2279.82	842.8	8.5	2.7	2293.18	1258.7	8.9	3.7	2323.02	2734.3	102.1	11.2	15
16	2272.10	657.5	5.2	3.7	2280.22	853.5	8.2	2.7	2293.46	1269.0	9.0	3.7	2329.48	3165.6	230.4	12.9	16
17	2272.19	659.5	4.8	3.7	2280.61	864.0	8.1	2.7	2294.67	1314.5	26.7	3.7	2331.98	3343.6	103.2	13.3	17
18	2272.29	661.7	5.0	3.7	2281.00	874.5	8.1	2.7	2298.00	1446.0	70.0	3.7	2333.53	3457.8	71.1	13.3	18
19	2272.40	664.1	5.0	3.7	2281.39	885.1	8.1	2.7	2300.57	1554.5	58.8	4.0	2334.53	3533.3	51.4	13.3	19
20	2272.54	667.1	5.3	3.7	2281.77	895.5	8.1	2.7	2301.77	1606.1	29.8	3.7	2335.28	3590.8	42.5	13.3	20
21	2272.67	670.0	5.1	3.5	2282.91	927.1	18.7	2.7	2302.70	1647.5	24.7	3.7	2335.92	3640.8	38.6	13.3	21
22	2272.79	672.6	4.7	3.3	2283.85	953.8	16.3	2.7	2303.31	1675.0	20.9	7.0	2336.46	3682.9	34.6	13.3	22
23	2272.91	675.2	4.8	3.3	2284.60	975.6	13.8	2.7	2303.75	1694.8	19.9	9.9	2336.86	3714.1	29.2	13.3	23
24	2273.04	678.1	4.7	3.0	2285.21	993.5	11.8	2.7	2304.17	1713.8	19.6	9.9	2337.26	3746.1	30.2	14.0	24
25	2273.19	681.5	4.9	3.0	2285.75	1009.6	10.9	2.7	2304.50	1729.0	17.6	9.9	2337.61	3774.4	28.4	14.0	25
26	2273.35	685.1	4.9	3.0	2286.28	1025.7	10.9	2.7	2304.80	1742.8	16.9	9.9	2337.88	3796.3	25.2	14.0	26
27	2273.51	688.7	4.9	3.0	2286.76	1040.6	10.3	2.7	2305.06	1754.8	16.1	9.9	2338.10	3814.1	23.2	14.0	27
28	2273.67	692.3	4.9	3.0	2287.22	1054.8	10.0	2.7	2305.28	1764.9	15.1	9.9	2338.32	3831.9	23.2	14.0	28
29	2273.83	695.9	4.9	3.0	2287.67	1068.8	9.9	2.7	2305.48	1774.1	14.8	10.2	2338.49	3845.7	20.9	14.0	29
30	2274.03	700.4	5.4	3.0	2288.12	1083.0	9.9	2.7	2305.64	1781.4	14.3	10.5	2338.80	3870.8	26.9	14.0	30
31	2274.28	706.1	5.7	2.8					2305.76	1787.0	13.3	10.5	2339.55	3938.7	45.7	14.4	31
TOTAL			166.7	887.1			278.9	80.2			528.9	171.7			1468.4	382.9	
INF. AC. FT.			330.6				541.2				1049.0				2912.5		
OUTF. AC. FT.			1759.5 + (10.3)				159.0 + (5.3)				340.5 + (4.5)				759.4 + (7.3)		
MAX. MEAN DAILY INF.			7.3				18.7				70.0				230.4		
MIN. MEAN DAILY INF.			4.7				4.9				8.9				11.9		
STORAGE CHANGE			- 1439.3				376.9				704.0				2145.7		

COGSWELL 1978 - 79

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	2340.53	4014.5	56.1	14.8	2321.78	2656.4	76.7	66.3	2342.37	4171.2	180.6	164.0	2288.74	1103.4	50.7	113.0	1
2	2339.16	3900.3	50.6	108.0	2322.33	2690.8	60.2	48.7	2345.30	4428.7	145.9	15.6	2287.69	1069.4	52.2	69.2	2
3	2333.77	3475.8	57.0	271.0	2323.76	2781.6	57.1	11.2	2347.74	4650.1	127.3	15.2	2284.22	964.5	48.3	101.0	3
4	2329.02	3133.4	58.5	231.0	2325.05	2865.3	53.6	11.2	2349.85	4847.9	116.0	16.0	2277.40	780.6	46.4	139.0	4
5	2325.16	2872.6	56.6	188.0	2326.24	2944.1	51.4	11.6	2351.74	5028.0	107.3	16.0	2270.65	626.6	45.6	123.0	5
6	2322.43	2697.1	58.7	147.0	2327.37	3020.2	50.4	11.6	2353.49	5198.0	101.9	15.6	2264.87	511.5	45.1	103.0	6
7	2322.91	2727.3	64.8	49.5	2328.49	3096.8	50.6	11.9	2355.02	5349.0	92.5	16.0	2263.33	482.6	44.8	59.3	7
8	2324.45	2826.3	63.6	13.6	2329.58	3172.6	50.2	11.9	2356.41	5487.0	86.4	16.4	2266.67	546.2	42.4	10.2	8
9	2326.09	2934.0	65.3	10.9	2330.69	3251.0	51.8	11.9	2357.65	5611.7	79.2	16.0	2269.38	600.5	37.8	10.2	9
10	2327.75	3046.0	65.7	9.1	2331.63	3318.4	46.1	11.9	2358.77	5725.5	73.9	16.0	2271.64	647.6	34.4	10.5	10
11	2329.38	3158.6	65.6	8.8	2332.52	3383.0	45.4	12.6	2359.79	5830.4	69.3	15.6	2273.63	691.4	32.4	10.2	11
12	2330.98	3271.6	65.3	8.2	2333.34	3443.5	43.3	12.6	2360.74	5929.0	65.9	15.6	2275.40	732.0	30.8	10.2	12
13	2332.46	3378.6	62.0	8.0	2334.25	3512.0	47.3	12.6	2361.66	6025.3	64.8	15.6	2277.02	771.1	30.1	10.2	13
14	2333.97	3490.8	129.2	72.5	2335.05	3572.9	43.5	12.6	2362.50	6114.5	61.6	16.0	2278.48	807.9	29.1	10.2	14
15	2331.74	3326.3	94.2	177.0	2335.84	3634.5	43.8	12.6	2363.32	6202.6	61.0	16.0	2279.83	843.1	28.1	10.2	15
16	2329.47	3164.9	77.7	159.0	2336.57	3691.5	41.4	12.6	2364.09	6286.0	58.7	16.0	2281.08	876.7	27.5	10.2	16
17	2327.26	3012.7	65.4	142.0	2337.59	3772.8	54.0	12.9	2362.44	6108.1	61.0	150.0	2282.62	919.0	32.0	10.5	17
18	2325.26	2879.2	55.8	123.0	2338.63	3857.0	55.1	12.6	2357.85	5631.9	64.4	304.0	2283.73	950.4	26.5	10.5	18
19	2323.56	2768.8	51.4	107.0	2339.92	3963.4	67.1	13.3	2353.23	5172.5	60.9	292.0	2284.78	980.8	26.1	10.5	19
20	2322.37	2693.3	54.1	92.1	2341.13	4065.1	64.8	13.3	2348.70	4739.8	60.5	278.0	2285.82	1011.6	26.7	10.9	20
21	2324.26	2813.9	156.9	96.0	2342.19	4155.5	59.7	14.0	2344.18	4329.0	60.5	267.0	2286.84	1043.0	26.9	10.9	21
22	2324.05	2800.3	94.3	101.0	2343.17	4240.8	56.8	13.6	2339.98	3968.3	60.6	242.0	2287.75	1071.3	25.4	10.9	22
23	2323.85	2787.4	91.1	97.5	2344.03	4315.7	51.3	13.3	2335.88	3637.6	56.8	223.0	2288.53	1096.5	23.8	10.9	23
24	2323.33	2754.1	78.5	95.1	2344.86	4389.5	51.5	14.0	2331.87	3335.6	58.3	210.0	2289.26	1120.8	23.4	10.9	24
25	2322.74	2716.6	70.3	89.1	2345.65	4459.9	49.8	14.0	2327.81	3050.1	58.4	202.0	2289.93	1143.6	22.6	10.9	25
26	2322.18	2681.3	66.3	84.0	2346.42	4529.2	49.1	14.0	2321.54	2641.5	56.4	262.0	2290.59	1166.1	22.5	10.9	26
27	2321.70	2651.4	64.5	79.5	2348.50	4721.0	360.9	264.0	2312.77	2136.0	58.6	313.0	2291.17	1186.1	21.3	10.9	27
28	2321.45	2635.9	63.3	71.0	2349.00	4768.0	518.8	495.0	2304.72	1739.1	56.2	256.0	2291.78	1208.1	22.3	10.9	28
29					2346.08	4498.3	354.2	490.0	2297.70	1434.0	52.4	206.0	2292.39	1230.0	22.1	10.9	29
30					2343.22	4245.1	278.4	406.0	2292.31	1227.2	55.0	159.0	2292.93	1249.5	21.0	10.9	30
31					2342.00	4139.0	217.6	271.0					2293.44	1268.3	20.3	10.5	31
TOTAL			2002.8	2653.7			3101.9	2338.8			2312.3	3765.6			988.6	961.5	
INF. AC. FT.			3972.4				6152.5				4586.3				1960.8		
OUTF. AC. FT.			5263.5 + (5.7)				4638.9 + (10.5)				7468.9 + (29.1)				1907.1 + (12.6)		
MAX. MEAN DAILY INF.			156.9				518.8				180.6				52.2		
MIN. MEAN DAILY INF.			50.6				41.4				52.4				20.3		
STORAGE CHANGE			- 1296.8				1503.1				- 2911.8				41.1		

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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	2293.86	1283.8	18.9	10.9	2297.24	1415.6	8.8	8.5	2294.75	1317.5	4.2	6.5	2289.53	1130.0	3.0	5.6	1
2	2294.22	1297.4	18.2	10.9	2297.25	1416.0	9.2	8.5	2294.61	1312.2	4.5	6.5	2289.34	1123.6	2.7	5.6	2
3	2294.55	1309.9	17.4	10.9	2297.27	1416.8	9.3	8.5	2294.45	1306.1	3.8	6.5	2289.16	1117.4	2.6	5.3	3
4	2294.86	1321.7	17.2	10.9	2297.29	1417.6	9.1	8.2	2294.30	1300.4	3.7	6.2	2288.96	1110.7	2.5	5.6	4
5	2295.13	1332.1	16.8	11.2	2297.31	1418.4	8.8	8.0	2294.14	1294.3	3.5	6.2	2288.77	1104.4	2.5	5.3	5
6	2295.38	1341.8	16.5	11.2	2297.32	1418.8	8.6	8.0	2293.99	1288.6	3.9	6.2	2288.56	1097.5	2.2	5.3	6
7	2295.65	1352.4	16.8	11.2	2297.32	1418.8	8.2	7.7	2293.84	1283.1	3.8	6.2	2288.36	1090.9	2.4	5.3	7
8	2295.90	1362.1	16.3	11.2	2297.30	1418.0	7.8	7.7	2293.68	1277.2	3.6	6.2	2288.15	1084.0	2.1	5.3	8
9	2296.07	1368.8	15.0	11.2	2297.27	1416.8	7.6	7.7	2293.53	1271.6	3.9	6.2	2287.92	1076.5	1.9	5.3	9
10	2296.21	1374.4	14.5	11.2	2297.22	1414.8	7.2	7.7	2293.35	1265.0	3.4	6.2	2287.70	1069.7	2.1	5.1	10
11	2296.32	1378.8	13.9	11.2	2297.18	1413.2	7.4	7.7	2293.19	1259.0	3.5	6.2	2287.48	1062.9	2.6	5.6	11
12	2296.40	1382.0	13.2	11.2	2297.13	1411.2	7.2	7.7	2293.04	1253.5	3.8	6.2	2287.25	1055.8	2.5	5.6	12
13	2296.46	1384.4	12.9	11.2	2297.06	1408.4	6.7	7.7	2292.89	1248.0	3.8	6.2	2287.03	1048.9	2.5	5.6	13
14	2296.49	1385.6	12.1	11.2	2296.99	1405.6	6.8	7.7	2292.75	1243.0	4.0	6.2	2286.79	1041.5	2.3	5.6	14
15	2296.50	1386.0	11.8	11.2	2296.91	1402.4	6.4	7.7	2292.60	1237.6	3.9	6.2	2286.56	1034.4	2.3	5.6	15
16	2296.52	1386.8	12.0	11.2	2296.80	1398.0	6.0	7.7	2292.43	1231.5	3.7	6.2	2286.33	1027.2	2.3	5.6	16
17	2296.58	1389.2	12.9	11.2	2296.69	1393.6	6.1	7.7	2292.25	1225.0	3.2	6.2	2286.10	1020.1	2.4	5.6	17
18	2296.65	1392.0	12.9	11.2	2296.58	1389.2	5.6	7.4	2292.07	1218.5	3.3	6.2	2285.88	1013.4	2.5	5.6	18
19	2296.70	1394.0	12.6	11.2	2296.46	1384.4	5.7	7.4	2291.89	1212.0	3.3	6.2	2285.65	1006.6	2.2	5.3	19
20	2296.71	1394.4	11.8	11.2	2296.38	1381.2	6.3	7.4	2291.72	1205.9	3.6	6.2	2285.42	999.7	2.1	5.3	20
21	2296.72	1394.8	12.3	11.6	2296.30	1378.0	5.9	7.4	2291.55	1199.8	3.2	6.0	2285.19	992.9	2.2	5.3	21
22	2296.77	1396.8	11.9	10.5	2296.19	1373.6	5.7	7.4	2291.37	1193.3	3.1	6.0	2284.95	985.7	1.9	5.3	22
23	2296.91	1402.4	12.0	8.8	2296.07	1368.8	5.6	7.4	2291.18	1186.5	3.0	6.0	2284.72	979.1	2.3	5.3	23
24	2297.02	1406.8	11.4	8.8	2295.94	1363.7	5.2	7.4	2290.99	1179.7	3.1	6.0	2284.50	972.7	2.4	5.3	24
25	2297.12	1410.8	11.2	8.8	2295.80	1358.2	5.2	7.4	2290.80	1173.2	3.0	6.0	2284.29	966.5	2.2	5.1	25
26	2297.19	1413.6	10.7	8.8	2295.66	1352.7	4.9	7.2	2290.61	1166.7	3.0	6.0	2284.07	960.1	2.3	5.3	26
27	2297.23	1415.2	10.1	8.8	2295.51	1346.9	4.8	7.2	2290.41	1159.9	2.9	6.0	2283.85	953.8	2.3	5.3	27
28	2297.25	1416.0	9.8	8.8	2295.36	1341.0	4.4	6.9	2290.22	1153.5	3.1	6.0	2283.64	947.8	2.3	5.1	28
29	2297.25	1416.0	9.3	8.8	2295.21	1335.2	4.3	6.7	2290.03	1147.0	3.1	6.0	2283.43	941.9	2.0	4.7	29
30	2297.25	1416.0	9.3	8.8	2295.06	1329.3	4.2	6.7	2289.86	1141.2	2.9	5.6	2283.23	936.2	2.1	4.7	30
31					2294.90	1323.2	3.9	6.5	2289.70	1135.8	3.3	5.6					31
TOTAL			401.7	315.3			202.9	234.8			108.1	190.1			69.7	160.5	
INF. AC. FT.			796.7				402.4				214.4				138.2		
OUTF. AC. FT.			625.3 + (23.6)				465.7 + (29.5)				377.0 + (24.7)				318.3 + (19.4)		
MAX. MEAN DAILY INF.			18.9				9.3				4.5				3.0		
MIN. MEAN DAILY INF.			9.3				3.9				2.9				1.9		
STORAGE CHANGE			147.7				- 92.8				- 187.4				- 199.6		

MAX. W.S. ELEV.	2364.41 feet	on	04-17-79	STORAGE 6321	ACRE-FEET	
MIN. W.S. ELEV.	2261.80 feet	on	05-07-79	STORAGE 455	ACRE-FEET	
MAX. PEAK INF.	343 CFS from	2200	on 01-05-79	to 2300	on 01-05-79	
MAX. PEAK OUTF.	510 CFS from	1200	on 03-27-79	to 1200	on 03-27-79	

REMARKS: () INDICATES EVAPORATION AND OTHER LOSSES

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

COGSWELL DAM

1979-80

DRAINAGE AREA 39.2 SQ. MI.
RESERVOIR CAPACITY 8963 A.F.
AT SPILLWAY ELEVATION 2385.0 FT.
AS OF APRIL, 1978

GAGE HEIGHT AND STORAGES ARE AS OF MIDNIGHT ON THE 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	2283.02	930.2	1.9	4.7	2280.27	854.9	3.6	3.5	2282.52	916.3	4.0	2.5	2287.01	1048.3	5.7	2.8	1
2	2282.80	924.0	1.8	4.7	2280.28	855.1	3.6	3.5	2282.63	919.3	4.3	2.7	2287.17	1053.3	5.4	2.8	2
3	2282.59	918.2	2.0	4.7	2280.30	855.7	3.9	3.5	2282.73	922.1	4.2	2.7	2287.33	1058.2	5.4	2.8	3
4	2282.37	912.1	1.8	4.7	2280.32	856.2	3.9	3.5	2282.83	924.9	4.0	2.5	2287.51	1063.8	5.7	2.8	4
5	2282.16	906.2	2.0	4.7	2280.35	857.0	4.0	3.5	2282.93	927.7	4.3	2.7	2287.66	1068.5	5.2	2.8	5
6	2281.94	900.2	1.8	4.7	2280.38	857.8	4.0	3.5	2283.04	930.7	4.5	2.8	2287.81	1073.1	5.2	2.8	6
7	2281.72	894.2	1.9	4.7	2280.47	860.2	4.8	3.5	2283.18	934.7	5.0	2.8	2287.98	1078.4	5.5	2.8	7
8	2281.51	888.4	1.9	4.6	2280.58	863.2	5.1	3.5	2283.25	936.7	3.9	2.8	2288.17	1084.6	6.0	2.8	8
9	2281.30	882.7	2.0	4.7	2280.66	865.4	4.7	3.5	2283.37	940.1	4.6	2.8	2291.83	1209.9	66.1	2.8	9
10	2281.09	877.0	2.0	4.6	2280.74	867.5	4.7	3.5	2283.49	943.6	4.7	2.8	2294.49	1307.6	52.4	3.0	10
11	2280.89	871.5	2.0	4.6	2280.80	869.1	4.2	3.3	2283.60	946.7	4.4	2.8	2300.69	1559.7	130.3	3.1	11
12	2280.69	866.2	2.1	4.6	2280.86	870.7	4.0	3.1	2283.70	949.6	4.4	2.8	2302.87	1655.2	51.5	3.3	12
13	2280.50	861.1	2.1	4.6	2280.94	872.9	4.2	3.1	2283.82	953.0	4.6	2.8	2304.19	1714.7	33.4	3.3	13
14	2280.31	855.9	2.1	4.6	2281.01	874.8	4.0	3.0	2283.93	956.1	4.5	2.8	2307.26	1858.5	76.3	3.7	14
15	2280.14	851.4	2.4	4.6	2281.08	876.7	3.8	2.7	2284.05	959.6	4.6	2.8	2309.46	1966.0	58.3	4.0	15
16	2279.97	846.8	2.4	4.6	2281.17	879.1	3.8	2.5	2284.17	963.0	4.7	2.8	2310.69	2028.2	35.7	4.2	16
17	2279.80	842.3	2.5	4.6	2281.26	881.6	4.1	2.7	2284.28	966.2	4.5	2.8	2311.67	2078.8	29.7	4.2	17
18	2279.64	838.1	2.5	4.6	2281.36	884.3	4.1	2.7	2284.39	969.4	4.5	2.8	2312.51	2122.5	26.4	4.4	18
19	2279.52	834.9	3.1	4.6	2281.43	886.2	3.6	2.5	2284.51	972.9	4.6	2.8	2313.14	2155.6	21.2	4.4	19
20	2280.33	856.5	15.5	4.6	2281.52	888.7	3.8	2.5	2284.62	976.1	4.6	2.8	2313.67	2184.2	19.1	4.6	20
21	2280.45	859.7	5.9	4.2	2281.61	891.2	3.9	2.5	2284.78	980.8	5.1	2.8	2314.12	2208.6	17.0	4.6	21
22	2280.45	859.7	4.5	4.4	2281.71	893.9	4.0	2.5	2284.91	984.6	4.7	2.8	2314.51	2230.1	15.7	4.6	22
23	2280.43	859.2	4.3	4.4	2281.81	896.6	3.9	2.5	2285.04	988.4	4.9	2.8	2314.85	2248.8	14.4	4.6	23
24	2280.39	858.1	3.9	4.4	2281.90	899.1	3.9	2.5	2285.27	995.2	6.3	2.8	2315.16	2266.0	13.4	4.7	24
25	2280.37	857.6	4.3	4.4	2282.02	902.4	4.2	2.5	2285.74	1009.3	10.0	2.8	2315.43	2281.1	12.7	4.9	25
26	2280.35	857.0	4.4	4.6	2282.12	905.1	4.1	2.7	2286.01	1017.3	6.9	2.8	2315.69	2295.6	12.3	4.9	26
27	2280.34	856.7	4.3	4.4	2282.12	905.1	2.8	2.7	2286.14	1021.3	4.9	2.8	2315.94	2309.6	12.2	5.1	27
28	2280.32	856.2	4.4	4.4	2282.22	907.9	4.2	2.7	2286.31	1026.6	5.5	2.7	2318.05	2431.0	66.5	5.3	28
29	2280.28	855.1	3.9	4.2	2282.32	910.7	4.2	2.7	2286.49	1032.2	5.5	2.7	2349.23	4789.6	1196.7	7.4	29
30	2280.27	854.9	4.0	4.0	2282.42	913.5	4.2	2.7	2286.65	1037.2	5.3	2.7	2352.20	5072.4	150.5	8.0	30
31	2280.27	854.9	3.9	3.8					2286.83	1042.7	5.5	2.7	2353.90	5238.2	91.6	8.0	31
TOTAL			103.6	140.0			121.3	89.1			153.5	85.5			2247.5	129.5	
INF. AC. FT.			205.4				240.5				304.4				4457.8		
OUTF. AC. FT.			277.6 + (9.1)				176.7 + (5.3)				169.5 + (5.7)				256.8 + (5.5)		
MAX. MEAN DAILY INF.			15.5				5.1				10.0				1196.7		
MIN. MEAN DAILY INF.			1.8				2.8				3.9				5.2		
STORAGE CHANGE			- 81.3				58.6				129.2				4195.5		

COGSWELL 1979 - 80

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	2355.11	5357.9	68.4	8.0	2385.91	8946.8	181.4	189.0	2385.93	8949.7	95.6	95.1	2365.49	6226.3	50.2	58.9	1
2	2355.99	5445.0	52.4	8.0	2386.90	9094.1	367.7	293.0	2385.91	8946.8	91.7	92.7	2364.77	6142.3	48.6	90.7	2
3	2356.68	5514.0	42.8	8.0	2385.58	8898.3	419.6	518.0	2385.90	8945.3	90.1	90.3	2363.73	6022.5	47.1	107.0	3
4	2357.19	5565.2	37.5	11.5	2380.31	8139.4	315.7	498.0	2385.71	8917.4	88.3	102.0	2362.67	5902.7	45.2	105.0	4
5	2357.53	5599.5	33.1	15.6	2371.94	7018.3	308.1	873.0	2385.51	8888.0	87.0	101.0	2361.58	5780.8	44.3	105.0	5
6	2357.80	5626.8	29.9	16.0	2365.30	6204.1	429.8	840.0	2385.44	8877.7	83.0	87.9	2361.01	5718.1	41.5	72.5	6
7	2357.99	5646.0	26.8	16.4	2362.05	5832.7	373.0	560.0	2384.84	8789.5	76.1	120.0	2360.68	5682.1	42.0	59.1	7
8	2358.16	5663.3	25.5	16.4	2360.38	5649.4	329.7	422.0	2383.30	8565.2	73.8	186.0	2360.28	5638.5	41.0	62.8	8
9	2358.28	5675.6	23.8	16.8	2358.50	5447.5	316.5	418.0	2381.34	8284.3	76.0	217.0	2359.89	5596.1	41.0	62.2	9
10	2358.38	5685.8	22.2	16.8	2359.00	5500.0	253.7	227.0	2379.37	8008.4	74.6	213.0	2359.69	5574.5	50.8	61.5	10
11	2358.46	5693.9	21.0	16.8	2363.10	5951.3	241.2	13.3	2377.33	7727.9	69.6	210.0	2359.35	5537.8	42.6	60.9	11
12	2358.51	5699.0	19.6	16.8	2366.73	6372.9	226.0	13.3	2375.28	7453.2	73.0	210.0	2358.99	5499.0	41.5	60.9	12
13	2360.49	5903.0	120.2	16.8	2370.02	6775.5	216.7	13.3	2373.17	7176.1	67.1	206.0	2358.60	5458.0	40.6	60.9	13
14	2374.05	7462.4	807.0	20.6	2372.85	7134.8	194.9	13.3	2371.76	6995.3	69.8	160.0	2358.44	5441.2	40.2	48.4	14
15	2378.27	8016.5	1529.6	1250.0	2375.41	7470.5	182.9	13.3	2371.25	6930.0	68.8	101.0	2358.50	5447.5	39.5	36.1	15
16	2387.42	9319.8	2377.1	1720.0	2377.77	7787.7	173.5	13.3	2370.42	6825.5	65.1	117.0	2358.55	5452.8	38.3	35.0	16
17	2385.70	8915.9	1276.8	1480.0	2380.01	8097.4	169.8	13.3	2369.58	6720.9	65.2	117.0	2358.59	5457.0	36.7	33.9	17
18	2379.08	7968.1	1412.7	1890.0	2382.42	8438.5	186.2	13.3	2368.73	6615.8	62.6	115.0	2358.62	5460.1	35.2	33.3	18
19	2387.70	9214.0	3028.5	2400.0	2384.58	8751.3	172.1	13.6	2367.86	6509.1	62.5	115.0	2358.63	5461.2	33.5	32.2	19
20	2387.23	9143.5	1384.5	1420.0	2385.77	8926.2	152.6	63.8	2366.96	6400.2	61.1	115.0	2358.65	5463.3	33.6	31.6	20
21	2386.69	9062.8	1079.7	1120.0	2385.81	8932.1	149.5	146.0	2366.58	6355.0	60.1	82.2	2358.69	5467.5	34.5	31.6	21
22	2386.48	9031.5	732.7	748.0	2385.81	8932.1	139.6	139.0	2366.60	6357.4	63.5	61.5	2358.76	5474.8	35.5	31.6	22
23	2386.35	9012.2	556.7	566.0	2385.81	8932.1	131.3	131.0	2366.56	6352.6	59.5	61.5	2358.82	5481.1	34.9	31.6	23
24	2386.26	8998.7	442.5	449.0	2385.81	8932.1	125.6	125.0	2366.47	6341.9	55.6	60.9	2358.87	5486.4	34.0	31.1	24
25	2386.18	8986.8	358.3	364.0	2385.87	8940.9	128.0	123.0	2366.36	6328.8	55.1	60.9	2358.90	5489.5	33.5	31.6	25
26	2386.10	8974.9	314.6	319.0	2385.84	8936.5	127.4	129.0	2366.21	6311.0	51.2	59.6	2358.93	5492.7	33.5	31.6	26
27	2386.04	8966.0	268.3	272.0	2385.82	8933.5	116.1	117.0	2366.05	6292.0	50.8	60.2	2358.96	5495.8	33.4	31.6	27
28	2385.98	8957.1	238.4	242.0	2385.88	8942.4	110.1	105.0	2365.92	6276.6	52.2	59.6	2359.00	5500.0	33.6	31.1	28
29	2385.94	8951.2	206.4	209.0	2385.90	8945.3	103.2	101.0	2365.78	6260.3	51.3	58.9	2359.04	5504.3	33.5	31.1	29
30					2385.92	8948.2	99.5	97.5	2365.64	6243.9	50.9	58.9	2359.07	5507.6	33.4	31.1	30
31					2385.93	8949.7	96.3	95.1					2359.10	5510.8	32.3	30.5	31
TOTAL			16537.0	14653.5			6537.7	6524.4			2051.2	3395.2			1205.5	1562.4	
INF. AC. FT.			32800.6				12967.3				4068.4				2391.0		
OUTF. AC. FT.			29064.7 + (22.8)				12940.9 + (27.9)				6734.2 + (40.0)				3098.9 + (25.1)		
MAX. MEAN DAILY INF.			3028.5				429.8				95.6				50.8		
MIN. MEAN DAILY INF.			19.6				96.3				50.8				32.3		
STORAGE CHANGE			3713.0				- 1.5				- 2705.8				- 733.1		

COGSWELL 1979 - 80

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	2359.12	5513.0	31.7	30.5	2361.58	5780.8	15.1	9.1	2361.09	5726.9	6.2	9.1	2353.72	4957.3	4.8	38.3	1
2	2359.13	5514.0	30.6	29.9	2361.66	5789.6	14.4	9.1	2361.00	5717.0	5.5	9.1	2353.03	4889.0	4.7	38.3	2
3	2359.13	5514.0	30.4	29.9	2361.74	5798.4	14.8	9.1	2360.92	5708.3	6.3	9.4	2352.33	4821.0	4.9	38.3	3
4	2359.10	5510.8	28.9	29.9	2361.80	5805.0	13.8	9.1	2360.84	5699.6	6.5	9.4	2351.64	4754.1	5.6	38.3	4
5	2359.07	5507.6	28.6	29.4	2361.85	5810.5	13.3	9.1	2360.75	5689.8	5.6	9.1	2350.79	4672.1	4.3	44.5	5
6	2359.02	5502.2	27.5	29.4	2361.89	5814.9	12.5	9.1	2360.66	5679.9	5.9	9.4	2349.85	4582.9	4.7	48.7	6
7	2358.95	5494.8	26.4	29.4	2361.91	5817.1	11.6	9.1	2360.56	5669.0	5.3	9.4	2348.89	4492.9	4.1	48.7	7
8	2358.87	5486.4	26.5	29.9	2361.92	5818.2	11.0	9.1	2360.45	5657.1	4.6	9.4	2347.93	4404.6	4.4	48.1	8
9	2358.77	5475.9	24.9	29.4	2361.92	5818.2	10.6	9.1	2360.35	5646.2	5.6	9.4	2346.96	4316.4	4.4	48.1	9
10	2358.67	5465.4	25.1	29.4	2361.92	5818.2	10.5	9.1	2360.24	5634.2	4.8	9.4	2345.97	4226.3	3.5	48.1	10
11	2358.80	5479.0	23.0	15.3	2361.92	5818.2	11.0	9.4	2360.14	5623.3	5.4	9.4	2344.98	4138.3	4.5	48.1	11
12	2359.02	5502.2	21.9	9.1	2361.91	5817.1	10.3	9.4	2360.04	5612.4	5.5	9.4	2343.96	4049.5	4.0	48.1	12
13	2359.22	5523.8	20.9	9.1	2361.91	5817.1	10.5	9.1	2359.93	5600.4	4.7	9.4	2342.94	3960.8	3.5	47.5	13
14	2359.43	5546.4	21.4	9.1	2361.91	5817.1	10.3	9.1	2359.81	5587.5	4.0	9.4	2341.92	3873.3	3.8	47.5	14
15	2359.62	5567.0	20.4	9.1	2361.90	5816.0	9.7	9.1	2359.72	5577.8	5.5	9.4	2340.87	3785.1	3.5	47.5	15
16	2359.80	5586.4	19.9	9.1	2361.89	5814.9	10.1	9.1	2359.63	5568.0	6.3	9.4	2339.80	3695.8	3.6	47.5	16
17	2359.96	5603.7	18.8	9.1	2361.87	5812.7	9.3	9.1	2359.53	5557.2	4.8	9.4	2338.72	3608.3	3.2	46.9	17
18	2360.11	5620.0	18.5	9.1	2361.85	5810.5	9.5	9.1	2359.44	5547.5	5.4	9.4	2337.63	3521.1	3.7	46.9	18
19	2360.26	5636.3	18.4	9.1	2361.82	5807.2	8.9	9.1	2359.28	5530.2	4.3	12.2	2336.53	3435.8	4.6	46.9	19
20	2360.40	5651.6	17.9	9.1	2361.79	5803.9	8.8	9.1	2359.06	5506.5	4.5	15.6	2335.41	3350.2	3.7	46.3	20
21	2360.53	5665.8	17.7	9.1	2361.76	5800.6	9.0	9.1	2358.83	5482.2	4.4	15.6	2334.27	3265.0	4.0	46.3	21
22	2360.66	5679.9	17.4	9.1	2361.72	5796.2	8.4	9.1	2358.59	5457.0	4.2	15.6	2333.11	3180.0	4.0	46.3	22
23	2360.79	5694.1	17.2	9.1	2361.68	5791.8	8.2	9.1	2358.35	5431.8	4.1	15.6	2331.94	3095.7	3.8	45.7	23
24	2360.90	5706.1	16.3	9.1	2361.64	5787.4	8.2	9.1	2358.11	5406.6	3.9	15.6	2330.79	3014.5	3.7	43.9	24
25	2361.01	5718.1	16.2	9.1	2361.59	5781.9	7.7	9.1	2357.89	5383.5	4.9	15.6	2329.63	2934.8	3.6	43.2	25
26	2361.11	5729.1	15.9	9.1	2361.53	5775.3	7.5	9.1	2357.64	5357.2	3.4	15.6	2328.36	2849.1	3.7	46.3	26
27	2361.20	5739.0	15.3	9.1	2361.47	5768.7	7.1	9.1	2357.12	5302.6	3.2	29.6	2327.07	2764.6	3.7	45.7	27
28	2361.30	5750.0	15.8	9.1	2361.40	5761.0	6.6	9.1	2356.44	5232.3	4.1	38.3	2325.75	2680.8	3.4	45.1	28
29	2361.39	5759.9	15.3	9.1	2361.33	5753.3	6.7	9.1	2355.76	5162.8	4.6	38.3	2324.39	2597.8	3.9	45.1	29
30	2361.49	5770.9	15.8	9.1	2361.25	5744.5	6.2	9.1	2355.08	5094.1	4.7	38.3	2323.00	2514.0	3.4	45.1	30
31					2361.17	5735.7	6.2	9.1	2354.40	5025.4	4.8	38.3					31
TOTAL			644.6	485.3			307.8	282.7			153.0	472.5			120.7	1365.3	
INF. AC. FT.			1278.5				610.5				303.4				239.4		
OUTF. AC. FT.			962.5 + (55.9)				560.7 + (84.8)				937.1 + (76.5)				2708.0 + (42.8)		
MAX. MEAN DAILY INF.			31.7				15.1				6.5				5.6		
MIN. MEAN DAILY INF.			15.3				6.2				3.2				3.2		
STORAGE CHANGE			260.1				- 35.2				- 710.3				- 2511.4		

MAX. W. S. ELEV.	2388.57 feet	on	02-19-80	STORAGE	9346.0 ACRE - FEET	
MIN. W. S. ELEV.	2279.51 feet	on	10-20-79	STORAGE	835.0 ACRE - FEET	
MAX. PEAK INF.	6196.0 CFS from	1700 on	02-16-80 to	1800 on	02-16-80	
MAX. PEAK OUTF.	3665.0 CFS from	1300 on	02-19-80 to	1400 on	03-19-80	
REMARKS:	() INDICATES EVAPORATION AND OTHER LOSSES					
	CHANGED TO STORAGE TABLE NO. 17 ON 02-17-80					
	150 ACRE-FT. WERE LOST DUE TO SILTATION					

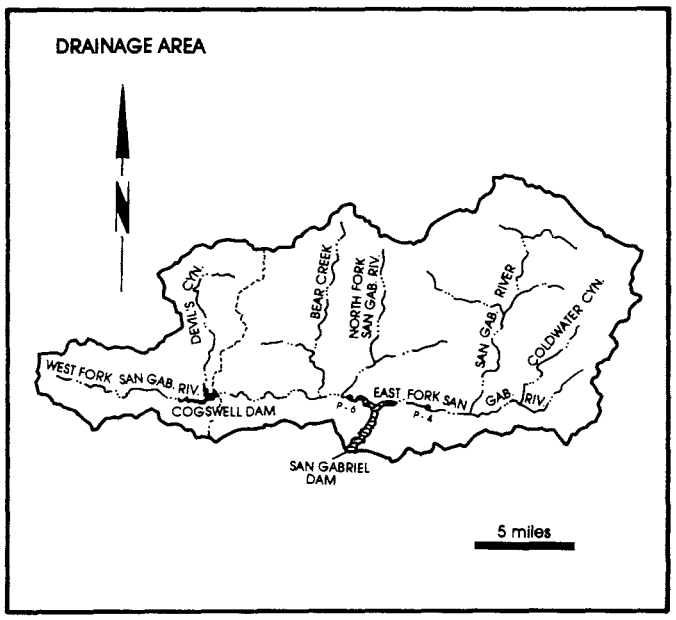
COGSWELL DAM

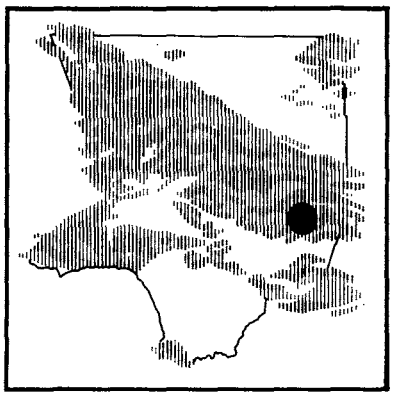
YEARLY RESERVOIR OPERATION SUMMARY

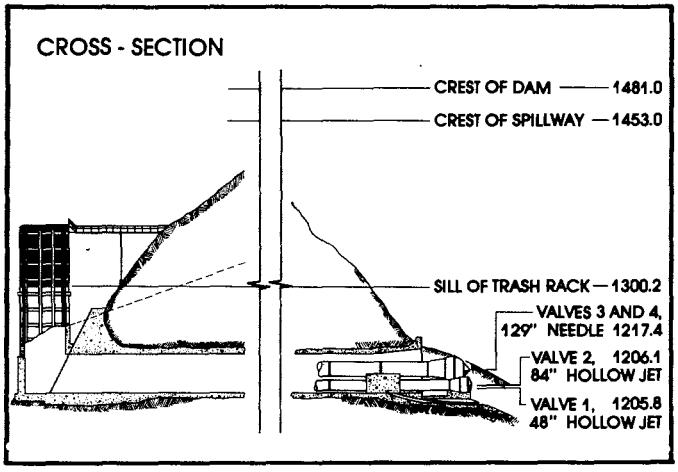
SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK MO	PEAK DAY	PEAK INFLOW CFS
1934-35	3517	54	0.1	3517			N.D.
1935-36	7154	265	0	7138			N.D.
1936-37	32986	943	0.1	32996	2	14	1240
1937-38	60336	7990	1.4	58799	3	2	24710
1938-39	11560	673	0.9	11369	9	25	1360
1939-40	9634	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	26	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
1965-66	41747	2640	0.3	42170	12	29	9220
1966-67	40504	1860	0.6	32757	12	6	4650
1967-68	9569	338	0.6	12713	11	19	893
1968-69	95676	6300	0.1	90488	1	25	15700
1969-70	10222	410	1	13859	2	28	1020
1970-71	10822	1030	0.8	11683	11	29	2930
1971-72	4009	297	0.4	4557	12	24	798
1972-73	19613	2210	0.4	16632	2	11	6970
1973-74	12746	424	1.1	12051	1	7	880
1974-75	6610	241	1.1	8344	3	6	432
1975-76	5550	509	0.1	5040	2	9	824
1976-77	4955	206	0.3	5000	1	3	421
1977-78	86754	3852	0	86030	2	10	11200
1978-79	23057	519	1.9	24083	1	5	343
1979-80	59867	3028	1.8	57887	2	16	6196

N.D. = NOT DETERMINED

SAN GABRIEL DAM
AND RESERVOIR







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.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

SAN GABRIEL DAM

1977-78

DRAINAGE AREA 202.7 SQ. MI.
RESERVOIR CAPACITY 46554 A.F.
AT SPILLWAY ELEVATION 1453.0 FT.
AS OF OCTOBER, 1973

GAGE HEIGHT AND STORAGES ARE AS OF MIDNIGHT ON THE 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	1347.89	8654.3	33.8	55.4	1340.30	7004.7	28.7	54.8	1320.73	3436.0	21.6	59.3	1345.98	8226.6	148.7	35.4	1
2	1347.68	8607.0	33.6	55.1	1340.05	6952.5	30.8	54.8	1320.23	3354.5	19.5	59.3	1346.78	8404.9	126.2	35.4	2
3	1347.45	8555.3	30.9	54.6	1339.84	6909.0	29.2	49.4	1319.71	3270.6	18.1	59.3	1347.57	8582.3	124.8	35.4	3
4	1347.20	8499.0	28.8	54.7	1339.66	6872.0	28.7	46.2	1319.20	3189.0	19.1	59.3	1349.70	9068.0	281.2	35.4	4
5	1346.95	8442.9	29.8	55.8	1339.57	6853.4	36.8	45.2	1318.69	3109.6	21.6	60.4	1351.91	9581.9	295.0	35.4	5
6	1346.73	8393.8	33.1	55.8	1339.38	6814.3	26.7	45.2	1318.15	3027.0	19.0	59.3	1353.52	9963.3	228.8	36.2	6
7	1346.49	8340.3	31.0	55.6	1339.22	6781.3	28.8	44.2	1317.60	2945.6	19.0	59.3	1354.86	10285.3	199.0	35.4	7
8	1346.26	8289.0	31.8	55.6	1339.10	6756.6	34.2	45.2	1317.05	2865.3	19.5	59.3	1356.00	10562.0	175.3	34.5	8
9	1346.03	8237.7	31.1	55.3	1338.94	6723.9	30.4	45.2	1316.52	2789.8	21.9	59.3	1358.00	11055.0	283.1	34.5	9
10	1345.80	8186.8	31.2	55.3	1338.88	6711.8	40.8	45.2	1315.93	2706.3	17.9	59.3	1361.77	12010.7	642.2	159.9	10
11	1345.60	8142.6	35.3	55.3	1338.68	6671.4	26.6	45.2	1315.36	2627.0	19.7	59.3	1363.28	12403.6	479.9	281.1	11
12	1345.32	8080.7	26.7	55.3	1338.46	6626.9	24.1	45.2	1314.80	2549.6	21.0	59.3	1363.90	12566.7	364.8	281.8	12
13	1345.05	8021.1	29.9	57.3	1338.30	6594.6	30.3	45.2	1314.20	2467.4	18.7	59.3	1364.20	12646.0	322.6	281.8	13
14	1344.81	7968.6	31.5	55.3	1338.11	6556.2	27.3	45.2	1313.58	2383.7	17.9	59.3	1367.03	13406.2	670.3	287.0	14
15	1344.57	7916.3	31.6	55.3	1337.93	6520.0	28.8	45.2	1312.96	2300.7	18.7	60.4	1382.28	17823.2	2519.8	292.6	15
16	1344.31	7859.6	29.3	55.3	1337.75	6484.0	28.6	45.2	1312.27	2209.6	14.9	60.4	1387.50	19457.5	1466.9	643.0	16
17	1344.06	7805.1	29.5	55.3	1337.57	6448.0	28.5	45.2	1311.78	2145.4	28.3	60.4	1386.63	19180.7	1565.8	1704.0	17
18	1343.80	7748.8	28.0	55.3	1337.26	6386.0	26.9	57.4	1312.02	2176.6	75.5	59.3	1385.00	18666.0	1301.1	1559.9	18
19	1343.55	7694.8	30.4	56.6	1337.06	6346.0	26.4	45.2	1311.62	2124.6	33.9	59.3	1387.43	19435.2	1142.1	753.2	19
20	1343.34	7649.4	33.4	55.3	1336.82	6298.5	22.5	45.2	1311.10	2057.0	25.9	59.3	1388.54	19790.3	987.5	807.0	20
21	1343.13	7604.1	34.0	55.3	1335.80	6098.2	40.4	140.2	1310.80	2018.8	25.2	44.1	1388.20	19681.2	897.5	951.4	21
22	1342.90	7554.6	32.1	55.3	1334.20	5790.2	47.1	201.2	1310.64	1998.6	25.5	35.4	1387.50	19457.5	829.9	941.6	22
23	1342.67	7505.4	32.6	55.3	1332.41	5458.0	44.2	210.5	1310.49	1979.7	26.1	35.4	1386.30	19076.1	751.0	941.6	23
24	1342.41	7449.7	29.6	55.3	1330.52	5117.6	39.2	209.3	1310.33	1959.6	25.5	35.4	1384.45	18494.4	689.8	981.0	24
25	1342.15	7394.1	29.5	55.3	1328.75	4805.0	54.3	210.5	1310.18	1940.7	25.9	35.4	1380.93	17410.8	577.2	1122.0	25
26	1341.91	7343.0	30.8	55.3	1326.76	4457.5	36.6	210.5	1312.80	2279.6	206.3	35.4	1375.44	15778.0	430.4	1252.0	26
27	1341.53	7262.8	29.7	68.7	1324.84	4126.8	42.6	208.3	1316.80	2829.6	313.5	36.2	1368.00	13671.0	289.8	1350.4	27
28	1341.29	7212.2	31.1	55.3	1322.73	3768.6	41.2	220.6	1337.45	6424.0	1850.8	38.1	1359.97	11549.4	230.9	1300.0	28
29	1341.05	7161.6	31.4	55.3	1321.64	3586.2	29.0	119.4	1341.77	7313.5	486.0	37.1	1351.86	9570.2	291.6	1288.5	29
30	1340.80	7109.2	30.6	55.3	1321.20	3513.2	23.7	59.3	1343.75	7738.0	250.2	35.4	1342.00	7362.0	268.9	1381.8	30
31	1340.58	7063.2	34.0	55.3					1344.97	8003.5	170.9	36.2	1331.60	5311.0	378.5	1412.3	31
TOTAL			966.1	1731.2			983.4	2729.4			3877.6	1594.5			18960.6	20291.5	
INF. AC. FT.			1916.2				1950.5				7691.1				37607.8		
OUTF. AC. FT.			3433.7 + (120.9)				5413.6 + (82.7)				3162.6 + (38.0)				40247.6 + (52.7)		
MAX. MEAN DAILY INF.			35.3				54.3				1850.8				2519.8		
MIN. MEAN DAILY INF.			26.7				22.5				14.9				124.8		
STORAGE CHANGE			- 1638.6				- 3545.8				4490.3				- 2692.5		

SAN GABRIEL 1977 - 78

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	1318.90	3141.7	170.9	1263.9	1402.72	22380.6	6128.9	4588.9	1449.40	41487.6	1551.2	1508.5	1453.81	43634.1	861.9	960.3	1
2	1316.34	2764.3	207.6	397.3	1411.98	25485.1	7586.2	6020.4	1450.97	42248.5	1388.4	1002.3	1453.29	43379.8	835.0	960.3	2
3	1318.35	3057.6	218.5	69.8	1405.33	23233.9	5352.2	6485.4	1451.69	42599.0	1240.7	1062.0	1452.74	43111.1	827.3	960.3	3
4	1320.05	3325.2	205.2	69.8	1428.49	31795.3	13437.4	9121.0	1451.75	42628.3	1266.9	1250.8	1452.18	42837.8	815.1	950.3	4
5	1321.97	3641.0	229.2	69.8	1428.55	31820.8	9819.1	9805.0	1450.63	42083.6	1178.3	1449.8	1451.63	42569.8	817.2	950.3	5
6	1324.76	4113.2	309.5	71.0	1428.60	31842.0	5927.9	5915.0	1449.65	41608.6	1213.0	1449.8	1451.00	42263.0	800.7	950.3	6
7	1327.40	4568.6	280.7	50.9	1427.47	31364.9	4475.4	4714.6	1449.10	41342.4	1318.7	1449.8	1450.23	41889.6	758.1	940.3	7
8	1331.90	5365.0	444.8	43.3	1427.21	31256.0	3640.7	3693.7	1448.00	40811.0	1183.7	1449.8	1449.38	41477.9	738.1	940.3	8
9	1388.65	19825.7	7657.0	366.4	1427.78	31494.8	2863.7	2742.2	1446.70	40185.7	1127.7	1441.1	1448.46	41033.2	721.0	940.3	9
10	1437.80	35946.2	12799.4	4672.0	1430.92	32839.4	2480.2	1800.8	1446.80	40233.8	1086.2	1059.0	1448.33	40970.4	724.1	752.6	10
11	1436.64	35404.0	4758.8	5030.6	1435.46	34860.2	2348.7	1328.4	1448.07	40844.8	1112.5	802.0	1448.58	41091.1	715.4	651.0	11
12	1434.24	34308.0	3464.5	4017.1	1438.73	36383.8	2096.3	1325.8	1449.40	41487.6	1024.8	699.8	1448.80	41197.4	709.7	650.0	12
13	1430.16	32510.3	3096.2	4002.1	1440.46	37202.5	1811.6	1396.8	1450.68	42107.8	837.8	523.1	1449.00	41294.0	703.9	650.0	13
14	1425.00	30346.0	2324.3	3413.5	1440.24	37098.0	1450.9	1500.5	1451.95	42725.7	939.5	626.1	1449.25	41415.0	715.5	650.0	14
15	1424.31	30069.3	1799.2	1937.4	1440.03	36998.3	1310.5	1356.6	1453.18	43326.0	1472.5	1168.3	1449.08	41332.7	728.1	765.5	15
16	1423.60	29787.4	1416.1	1556.7	1439.78	36879.9	1214.9	1269.8	1452.32	42906.2	1191.4	1400.1	1448.52	41062.2	739.1	870.3	16
17	1422.37	29306.6	1105.1	1345.4	1439.65	36818.5	1132.2	1158.5	1453.65	43555.9	1462.2	1131.0	1447.85	40738.9	714.5	870.3	17
18	1421.09	28813.6	1005.5	1252.4	1439.70	36842.1	1085.4	1071.0	1454.30	43879.1	1150.7	984.8	1447.10	40378.1	700.0	874.9	18
19	1419.40	28172.8	930.5	1251.3	1439.54	36766.4	1035.2	1071.0	1454.85	44158.0	1094.9	950.7	1446.38	40031.8	728.6	897.8	19
20	1417.40	27427.0	851.3	1225.3	1439.67	36827.9	972.5	941.0	1455.25	44365.8	1057.3	949.8	1445.58	39647.4	750.9	940.9	20
21	1415.10	26587.2	828.5	1249.7	1440.04	37003.0	1030.9	941.8	1455.42	44455.3	1003.8	955.4	1444.72	39234.9	736.5	940.9	21
22	1412.59	25697.9	804.0	1249.8	1441.92	37896.9	1364.2	913.5	1455.23	44355.2	999.5	1045.2	1443.86	38823.1	736.5	940.9	22
23	1409.37	24590.2	756.0	1312.3	1445.66	39685.8	1192.9	288.5	1455.10	44286.7	988.9	1019.6	1442.97	38397.7	729.6	940.0	23
24	1406.15	23505.1	731.3	1276.5	1448.54	41071.8	1111.1	408.5	1454.91	44188.4	935.7	983.5	1442.00	37935.0	711.7	940.0	24
25	1403.50	22633.5	692.5	1131.0	1450.00	41778.0	1106.9	746.5	1455.10	44286.7	971.4	919.8	1440.52	37231.0	680.5	1032.0	25
26	1400.63	21710.0	634.9	1099.8	1451.14	42331.2	1031.9	749.8	1455.13	44302.5	930.0	919.8	1438.71	36374.4	667.5	1095.3	26
27	1397.70	20783.1	632.6	1099.8	1452.10	42798.8	988.1	749.8	1455.00	44234.0	888.5	919.8	1436.81	35482.8	650.7	1095.3	27
28	1393.00	19326.0	2188.1	2922.7	1452.43	42959.8	974.5	890.4	1454.76	44112.3	901.5	959.8	1434.85	34582.5	647.4	1095.3	28
29					1452.26	42876.9	957.4	999.1	1454.53	43995.7	902.8	959.8	1432.81	33670.0	642.3	1095.3	29
30					1450.28	41913.8	1049.3	1534.8	1454.21	43833.5	879.6	959.8	1430.67	32731.1	626.5	1095.3	30
31					1449.23	41405.3	2121.2	2375.3					1427.97	31574.4	494.6	1075.0	31
TOTAL			50542.2	43447.6			89098.3	77904.4			33300.1	32001.1			22428.0	28471.3	
INF. AC. FT.			100248.9				176723.8				66049.7				44485.2		
OUTF. AC. FT.			86177.0 + (56.9)				154521.1 + (123.5)				63473.2 + (148.3)				56471.9 + (272.3)		
MAX. MEAN DAILY INF.			12799.4				13437.4				1551.2				861.9		
MIN. MEAN DAILY INF.			170.9				957.4				837.8				494.6		
STORAGE CHANGE			14015.0				22079.3				2428.2				-12259.1		

SAN GABRIEL 1977 - 78

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	1425.20	30427.6	500.2	1075.0	1343.82	6678.6	252.1	225.3	1325.37	3351.9	127.7	80.5	1333.94	4771.2	87.6	75.0	1
2	1422.30	29279.4	499.4	1075.0	1344.02	6719.1	243.0	220.3	1325.96	3441.0	127.3	80.5	1334.13	4805.9	94.2	75.0	2
3	1419.52	28218.0	535.0	1066.6	1344.13	6741.7	239.1	225.3	1326.54	3530.7	127.3	80.5	1334.32	4840.9	94.5	75.0	3
4	1416.20	26986.2	432.1	1050.0	1344.18	6751.9	232.6	225.3	1327.06	3611.5	122.8	80.5	1334.48	4870.3	92.0	75.0	4
5	1413.00	25841.0	475.2	1050.3	1344.22	6760.1	231.6	225.3	1327.56	3691.0	122.5	80.5	1334.82	4932.9	107.0	75.0	5
6	1409.70	24702.7	474.5	1045.4	1344.23	6762.2	228.6	225.3	1328.00	3761.0	117.8	80.5	1335.74	5104.4	162.6	75.0	6
7	1406.35	23571.9	473.7	1040.3	1344.17	6749.9	221.7	225.3	1328.40	3825.4	114.9	80.5	1336.20	5191.0	120.2	75.0	7
8	1402.63	22351.5	462.5	1074.1	1344.02	6719.1	212.7	225.3	1328.80	3889.8	114.4	80.5	1336.56	5259.4	111.6	75.0	8
9	1398.42	21009.3	455.9	1129.3	1343.84	6682.7	209.5	225.3	1329.19	3953.2	114.1	80.5	1336.91	5325.9	110.2	75.0	9
10	1393.58	19504.1	422.4	1178.3	1342.90	6493.0	210.0	303.4	1329.55	4012.2	111.7	80.5	1337.23	5386.9	107.3	75.0	10
11	1388.40	17932.6	421.5	1210.3	1341.21	6157.4	183.9	350.5	1329.87	4064.7	108.7	80.5	1337.68	5472.9	119.8	75.0	11
12	1383.04	16360.6	414.0	1202.8	1339.77	5875.4	206.0	345.5	1330.19	4117.9	109.0	80.5	1338.05	5543.6	111.9	75.0	12
13	1377.60	14823.6	402.8	1173.6	1338.20	5572.4	195.7	345.5	1330.46	4163.3	105.1	80.5	1338.97	5720.2	163.9	73.7	13
14	1373.54	13723.1	398.7	950.3	1336.60	5267.0	194.4	345.5	1330.72	4207.0	104.8	80.5	1340.50	6018.0	225.5	73.7	14
15	1371.30	13133.3	356.2	650.0	1334.92	4951.3	184.3	340.5	1330.95	4245.6	102.4	80.5	1341.98	6309.1	221.8	73.7	15
16	1368.87	12506.9	355.5	667.8	1333.20	4638.0	185.3	340.5	1331.17	4283.2	101.8	80.5	1343.33	6579.7	213.0	75.0	16
17	1366.10	11805.1	350.2	700.3	1331.50	4340.0	183.0	330.5	1331.34	4312.5	97.1	80.5	1344.75	6868.8	221.9	75.0	17
18	1363.40	11132.8	365.3	700.3	1329.75	4045.0	184.0	330.5	1331.53	4345.2	99.1	80.5	1346.13	7155.4	222.5	75.0	18
19	1360.49	10421.6	325.9	680.3	1327.78	3726.0	171.7	330.5	1331.66	4367.5	93.8	80.5	1347.36	7416.0	210.8	76.2	19
20	1358.60	9968.8	311.4	536.3	1325.90	3431.9	184.3	330.5	1331.79	4389.9	93.9	80.5	1348.55	7672.9	206.5	73.7	20
21	1357.30	9660.8	298.0	450.3	1323.84	3125.0	172.7	325.5	1331.90	4408.8	92.4	80.5	1349.72	7930.1	208.0	75.0	21
22	1355.80	9309.8	276.6	450.3	1321.60	2810.0	165.3	322.1	1332.01	4427.8	92.2	80.5	1350.84	8179.3	204.0	75.0	22
23	1354.30	8964.0	279.1	450.3	1319.18	2499.3	165.0	320.5	1332.20	4461.2	97.3	78.4	1351.95	8428.8	203.6	75.0	23
24	1352.76	8612.5	276.3	450.3	1318.55	2423.0	121.2	158.3	1332.44	4503.4	99.0	75.5	1352.95	8655.7	192.7	75.0	24
25	1351.36	8296.0	286.7	443.6	1319.68	2561.3	152.1	80.9	1332.68	4545.7	98.8	75.5	1353.80	8849.4	176.2	75.0	25
26	1349.53	7888.1	237.0	440.3	1320.72	2693.2	148.7	80.5	1332.92	4587.9	98.5	75.5	1354.00	8895.0	119.1	92.7	26
27	1347.90	7531.6	262.8	440.3	1321.71	2824.9	148.8	80.5	1333.15	4629.0	98.0	75.5	1354.22	8945.6	102.1	73.7	27
28	1346.24	7178.6	264.3	440.3	1322.54	2939.6	139.8	80.5	1333.35	4665.0	95.5	75.5	1355.52	9245.1	229.3	75.0	28
29	1344.52	6821.6	247.3	425.3	1323.35	3054.4	140.2	80.5	1333.51	4693.8	91.8	75.5	1356.74	9529.2	221.4	75.0	29
30	1343.58	6630.2	237.2	331.4	1324.08	3159.8	135.4	80.5	1333.68	4724.4	93.0	75.5	1357.93	9809.5	219.3	75.0	30
31					1324.77	3262.0	133.9	80.5	1333.82	4749.6	90.7	75.5					31
TOTAL			11097.7	23578.7			5776.6	7406.4			3263.4	2453.4			4880.5	2262.4	
INF. AC. FT.			22011.9				11457.7				6472.8				9680.3		
OUTF. AC. FT.			46767.6 + (188.4)				14690.3 + (135.4)				4866.2 + (119.0)				4487.4 + (133.0)		
MAX. MEAN DAILY INF.			535.0				252.1				127.7				229.3		
MIN. MEAN DAILY INF.			237.0				121.2				90.7				87.6		
STORAGE CHANGE			-24944.2				- 3368.2				1487.6				5059.9		

MAX. W. S. ELEV.	1455.48 feet	on	04-21-78	STORAGE	44487	ACRE - FEET
MIN. W. S. ELEV.	1310.18 feet	on	12-26-77	STORAGE	1953	ACRE - FEET
MAX. PEAK INF.	31730 CFS from	1300 on	03-04-78 to	1400 on	03-04-78	
MAX. PEAK OUTF.	12641 CFS from	1600 on	03-04-78 to	0300 on	03-05-78	
REMARKS:	() INDICATES EVAPORATION AND OTHER LOSSES					
	CHANGED TO STORAGE TABLE NO. 31 ON 02-10-78					
	3316 ACRE-FT. WERE LOST DUE TO SILTATION					

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

SAN GABRIEL DAM

1978-79

DRAINAGE AREA 202.7 SQ. MI.
RESERVOIR CAPACITY 43238 A.F.
AT SPILLWAY ELEVATION 1453.0 FT.
AS OF MARCH, 1978

GAGE HEIGHT AND STORAGES ARE AS OF MIDNIGHT ON THE 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	1359.00	10064.0	206.3	75.0	1320.92	2718.8	62.6	73.7	1318.81	2454.2	70.7	73.7	1318.84	2457.8	94.3	75.0	1
2	1360.20	10351.4	223.1	76.2	1320.73	2694.4	62.1	73.7	1318.75	2447.0	70.3	73.7	1319.07	2485.7	89.5	75.0	2
3	1361.28	10613.3	210.2	76.2	1320.52	2667.6	61.0	73.7	1318.64	2433.8	67.7	73.7	1319.27	2510.5	88.0	75.0	3
4	1362.27	10855.2	199.1	75.0	1320.29	2638.1	60.0	73.7	1318.53	2420.6	66.3	72.5	1319.47	2535.3	88.0	75.0	4
5	1363.28	11103.2	200.5	73.7	1320.05	2607.4	59.3	73.7	1318.36	2400.2	62.9	72.5	1322.65	2955.0	285.4	73.7	5
6	1364.03	11288.5	170.5	75.0	1319.79	2575.0	58.2	73.7	1318.19	2379.8	63.2	72.5	1326.00	3447.0	322.0	73.7	6
7	1364.03	11288.5	75.8	73.7	1319.50	2539.0	56.6	73.7	1318.03	2360.6	63.5	72.5	1327.82	3732.4	217.9	73.7	7
8	1363.93	11263.7	65.1	75.0	1319.20	2501.8	56.1	73.7	1317.85	2339.3	62.4	72.5	1328.48	3838.3	127.6	73.7	8
9	1363.80	11231.6	61.3	75.0	1318.90	2465.0	56.2	73.7	1317.65	2315.7	61.1	72.5	1329.38	3984.3	147.6	73.7	9
10	1363.69	11204.4	64.8	75.0	1318.84	2457.8	71.7	75.0	1317.44	2290.9	60.4	72.5	1330.13	4107.8	136.4	73.7	10
11	1363.59	11179.7	66.0	75.0	1319.34	2519.2	106.3	75.0	1317.23	2266.1	60.5	72.5	1330.87	4232.2	136.8	73.7	11
12	1363.47	11150.1	63.7	75.0	1319.58	2548.9	90.4	75.0	1317.04	2243.7	62.1	72.5	1331.76	4384.7	151.6	73.7	12
13	1363.33	11115.5	60.5	75.0	1319.66	2558.8	80.6	75.0	1316.80	2216.0	59.2	72.5	1332.54	4521.0	143.4	73.7	13
14	1363.24	11093.3	67.0	75.0	1319.68	2561.3	76.7	75.0	1316.60	2193.0	61.6	72.5	1333.41	4675.8	150.9	72.5	14
15	1363.10	11058.7	60.6	75.0	1319.58	2548.9	69.5	75.0	1316.37	2166.6	61.1	73.7	1336.90	5324.0	399.5	72.5	15
16	1362.93	11016.9	56.8	75.0	1319.51	2540.2	71.3	75.0	1316.14	2140.1	61.0	73.7	1340.53	6023.9	440.8	87.5	16
17	1360.98	10540.2	83.4	321.1	1319.12	2491.9	64.8	88.5	1317.62	2312.2	160.6	73.7	1342.85	6483.0	340.8	107.3	17
18	1357.70	9755.2	68.2	462.0	1319.00	2477.0	68.1	75.0	1322.90	2990.0	404.4	62.6	1344.75	6868.8	269.3	73.7	18
19	1354.26	8954.8	73.2	474.0	1318.85	2459.0	66.7	75.0	1325.60	3386.6	252.0	51.8	1346.22	7174.4	228.5	73.7	19
20	1350.84	8179.3	94.7	474.0	1318.68	2438.6	65.2	75.0	1326.90	3586.5	153.0	51.8	1347.37	7418.2	197.3	73.7	20
21	1347.20	7381.8	68.8	470.0	1318.96	2472.2	92.4	75.0	1327.64	3703.8	125.2	65.3	1348.38	7635.8	184.1	73.7	21
22	1343.44	6601.9	72.2	464.0	1319.26	2509.2	93.9	75.0	1328.15	3785.2	115.4	73.7	1349.37	7852.8	183.8	73.7	22
23	1339.35	5793.9	57.5	464.0	1319.41	2527.8	84.7	75.0	1328.62	3860.8	112.5	73.7	1350.28	8054.4	174.7	72.5	23
24	1335.25	5012.8	63.7	454.0	1319.43	2530.3	76.9	75.0	1329.04	3928.6	108.6	73.7	1351.08	8233.0	161.9	71.2	24
25	1330.74	4210.3	75.5	479.0	1319.43	2530.3	75.4	75.0	1329.41	3989.2	105.0	73.7	1352.03	8446.8	179.8	71.2	25
26	1325.47	3367.0	58.0	482.0	1319.36	2521.6	71.0	75.0	1327.05	3610.0	102.1	292.5	1352.78	8617.1	159.5	72.5	26
27	1321.82	2839.7	59.6	324.0	1319.26	2509.2	69.5	75.0	1323.49	3074.6	99.6	369.0	1353.43	8765.0	146.7	71.2	27
28	1321.65	2816.8	64.9	75.0	1319.10	2489.4	64.3	73.7	1319.85	2582.4	93.5	341.2	1354.08	8913.4	146.8	71.2	28
29	1321.40	2783.0	59.1	75.0	1318.99	2475.8	67.4	73.7	1317.84	2338.1	99.8	222.7	1354.67	9049.1	140.3	71.2	29
30	1321.24	2761.4	63.6	73.7	1318.87	2461.4	67.0	73.7	1318.26	2388.2	100.6	75.0	1355.55	9252.1	174.3	71.2	30
31	1321.10	2742.5	65.4	73.7					1318.60	2429.0	96.1	75.0	1357.05	9601.8	341.5	165.0	31
TOTAL			2869.1	6365.3			2125.9	2247.9			3142.4	3141.4			6049.0	2408.8	
INF. AC. FT.			5690.7				4216.6				6232.8				11998.0		
OUTF. AC. FT.			12625.3 + (132.2)				4458.6 + (39.0)				6230.8 + (34.3)				4777.7 + (39.0)		
MAX. MEAN DAILY INF.			223.1				106.3				404.4				440.8		
MIN. MEAN DAILY INF.			56.8				56.1				59.2				88.0		
STORAGE CHANGE			- 7067.0				- 281.1				- 32.4				7181.2		

SAN GABRIEL 1978 - 79

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	1358.42	9926.0	385.9	221.2	1380.70	15691.1	439.7	504.5	1384.95	16914.5	1017.0	1532.9	1400.83	21773.8	488.9	525.8	1
2	1359.60	10207.4	363.0	221.2	1379.47	15344.1	375.6	550.0	1387.03	17524.9	665.8	355.9	1400.66	21719.5	448.8	475.0	2
3	1361.89	10762.2	501.5	221.2	1377.93	14914.7	330.0	545.0	1387.81	17756.6	638.2	519.5	1400.35	21620.7	433.8	482.5	3
4	1364.67	11447.8	567.3	220.0	1376.12	14416.9	290.4	540.0	1388.80	18052.2	623.1	471.2	1400.41	21639.8	500.2	488.9	4
5	1365.05	11542.5	269.9	221.2	1374.48	13974.1	318.4	540.2	1389.71	18325.7	611.8	471.2	1400.24	21585.6	460.0	484.6	5
6	1366.03	11787.5	346.1	221.2	1372.55	13461.2	294.4	551.2	1390.45	18549.4	585.8	471.2	1400.01	21512.2	449.6	484.6	6
7	1366.53	11913.0	285.7	221.2	1371.50	13185.5	323.5	460.0	1391.19	18773.8	586.6	471.2	1399.53	21360.0	424.1	499.1	7
8	1366.60	11930.6	231.5	221.2	1370.83	13011.1	328.3	414.7	1391.79	18956.2	564.7	471.2	1398.55	21050.3	351.3	506.2	8
9	1366.70	11955.7	233.5	220.0	1370.86	13018.9	330.0	324.6	1392.05	19035.3	543.7	502.5	1397.47	20711.1	338.2	506.2	9
10	1366.83	11988.3	238.0	220.0	1370.93	13036.9	324.6	314.8	1391.86	18977.4	544.0	571.2	1396.30	20345.6	323.8	505.0	10
11	1367.00	12031.0	242.8	220.0	1371.22	13112.4	325.1	285.4	1391.45	18852.8	510.6	571.2	1395.08	19966.8	317.7	505.0	11
12	1367.16	12071.6	243.3	221.2	1369.60	12694.2	296.6	505.2	1390.99	18713.0	502.3	571.2	1393.79	19568.5	302.1	500.0	12
13	1367.42	12137.7	256.3	221.2	1367.90	12259.6	363.4	581.9	1390.44	18546.3	489.1	571.2	1392.53	19182.2	309.8	500.0	13
14	1369.05	12552.9	431.0	221.2	1366.60	11930.6	332.9	498.0	1390.00	18413.0	506.7	571.2	1391.22	18782.9	303.2	500.0	14
15	1371.22	13112.4	504.1	221.2	1364.50	11405.5	332.2	596.0	1389.50	18262.5	497.8	571.2	1389.77	18343.8	308.7	526.6	15
16	1373.02	13585.3	460.4	221.2	1363.62	11187.1	320.5	430.0	1389.01	18115.0	499.0	571.2	1388.03	17822.0	299.4	560.0	16
17	1374.53	13987.6	424.8	221.2	1362.52	10916.4	345.1	480.5	1389.07	18133.1	582.1	571.2	1386.25	17294.8	299.2	562.5	17
18	1375.74	14313.8	387.2	221.2	1361.23	10601.1	322.5	480.5	1390.17	18464.5	740.6	571.2	1384.43	16763.1	297.0	562.5	18
19	1376.77	14595.0	364.4	221.2	1360.31	10378.0	363.3	475.5	1391.10	18746.4	716.5	571.2	1382.60	16233.8	293.0	557.5	19
20	1377.76	14867.8	359.1	221.2	1360.23	10358.7	344.2	352.9	1391.77	18950.1	676.6	571.2	1380.74	15702.4	292.0	557.5	20
21	1380.20	15549.6	565.1	221.2	1359.50	10183.5	311.0	398.6	1392.27	19102.6	651.2	571.2	1378.86	15173.1	292.1	557.5	21
22	1381.71	15978.4	439.3	222.5	1357.96	9816.6	325.0	509.5	1392.57	19194.4	620.5	571.2	1376.91	14633.3	282.0	552.5	22
23	1382.60	16233.8	444.4	315.0	1357.45	9696.2	309.3	369.0	1392.72	19240.3	596.8	571.2	1374.82	14065.6	275.0	559.2	23
24	1382.93	16328.8	420.3	371.2	1355.62	9268.2	313.0	527.5	1392.72	19240.3	573.4	571.2	1372.58	13469.1	273.8	572.5	24
25	1383.10	16377.9	397.2	371.2	1353.87	8865.4	321.1	523.2	1392.72	19240.3	574.1	571.2	1370.26	12864.1	259.5	562.5	25
26	1382.78	16285.6	388.6	433.7	1353.30	8735.4	312.1	376.6	1393.99	19629.9	582.4	383.7	1367.90	12259.6	259.9	562.5	26
27	1382.12	16095.6	376.8	471.2	1359.37	10152.4	1161.8	446.9	1396.38	20370.6	647.2	271.2	1365.50	11655.0	254.8	557.5	27
28	1381.16	15821.6	336.7	473.2	1371.00	13055.0	1646.7	182.5	1398.35	20987.3	585.0	271.2	1363.04	11043.9	250.7	557.5	28
29					1380.70	15691.1	1455.7	126.2	1399.90	21477.3	519.8	270.8	1360.51	10426.4	247.7	557.5	29
30					1387.62	17700.1	1224.1	210.5	1401.07	21850.4	530.0	340.0	1357.84	9788.2	232.3	552.5	30
31					1388.43	17941.6	1002.7	879.7					1355.05	9136.6	220.6	547.5	31
TOTAL			10464.2	7298.4			15083.2	13981.1			17982.4	15942.9			10097.2	16428.7	
INF. AC. FT.			20755.4				29917.0				35667.5				20011.6		
OUTF. AC. FT.			14476.1 + (59.5)				27731.1 + (68.0)				31622.2 + (136.4)				32585.8 + (139.6)		
MAX. MEAN DAILY INF.			567.3				1646.7				1017.0				500.2		
MIN. MEAN DAILY INF.			231.5				290.4				489.1				220.6		
STORAGE CHANGE			6219.8				2120.0				3908.8				-12713.8		

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	1352.17	8478.6	204.5	534.7	1335.49	5057.6	122.5	138.7	1335.30	5022.1	77.3	77.6	1333.17	4632.6	61.8	73.7	1
2	1349.18	7810.8	195.6	530.7	1335.62	5081.9	131.9	117.5	1335.32	5025.8	77.6	73.7	1332.99	4600.2	59.7	73.7	2
3	1346.13	7155.4	199.2	528.0	1335.91	5136.2	131.9	102.4	1335.36	5033.3	79.6	73.7	1332.78	4563.3	55.6	72.5	3
4	1342.88	6489.0	188.2	522.7	1336.10	5172.0	122.8	103.0	1335.37	5035.2	77.0	73.7	1332.54	4521.0	54.7	73.7	4
5	1339.57	5836.6	190.4	517.7	1335.92	5138.0	114.6	129.7	1335.37	5035.2	75.9	73.7	1332.30	4478.8	54.4	73.7	5
6	1336.20	5191.0	192.4	516.5	1335.85	5125.0	119.5	124.0	1335.36	5033.3	74.5	73.7	1332.08	4440.1	56.3	73.7	6
7	1335.18	4999.7	199.1	294.5	1336.35	5219.5	123.6	73.7	1335.35	5031.5	74.7	73.7	1331.80	4391.6	51.3	73.7	7
8	1335.34	5029.6	199.4	183.5	1336.78	5301.2	117.5	73.7	1335.35	5031.5	75.9	73.7	1331.56	4350.3	55.1	73.7	8
9	1335.38	5037.1	189.7	183.5	1336.39	5227.1	98.8	133.5	1335.32	5025.8	73.1	73.7	1331.27	4300.4	51.0	73.7	9
10	1335.30	5022.1	179.0	183.5	1335.63	5083.8	99.2	168.5	1335.29	5020.2	73.4	73.7	1330.99	4252.3	52.2	73.7	10
11	1335.20	5003.4	177.2	183.7	1334.92	4951.3	105.1	169.7	1335.20	5003.4	67.1	73.7	1330.69	4201.9	50.5	73.7	11
12	1335.07	4979.1	171.3	180.5	1334.18	4815.1	102.6	169.2	1335.19	5001.5	74.4	73.7	1330.42	4156.6	53.0	73.7	12
13	1334.90	4947.6	169.8	182.5	1333.98	4778.4	109.7	126.5	1335.19	5001.5	75.3	73.7	1330.15	4111.2	52.7	73.7	13
14	1334.78	4925.5	174.2	182.5	1334.33	4842.7	107.8	73.7	1335.19	5001.5	75.3	73.7	1329.88	4066.3	53.1	73.7	14
15	1335.08	4981.0	172.7	141.2	1334.68	4907.1	108.3	73.7	1335.16	4995.9	72.5	73.7	1329.67	4031.9	58.7	73.7	15
16	1336.13	5177.7	175.5	73.7	1334.92	4951.3	98.1	73.7	1335.11	4986.6	71.0	73.7	1329.26	3964.6	42.9	73.7	16
17	1336.66	5278.4	176.1	123.4	1334.00	4782.0	91.4	174.7	1335.03	4971.6	67.9	73.7	1328.89	3904.3	45.9	73.7	17
18	1336.05	5162.5	149.0	205.5	1333.20	4638.0	100.7	170.7	1334.96	4958.6	69.0	73.7	1328.56	3851.2	49.0	73.7	18
19	1335.45	5050.2	151.1	205.5	1333.46	4684.8	99.4	73.7	1334.90	4947.6	69.8	73.7	1328.21	3794.8	47.8	73.7	19
20	1334.75	4920.0	141.8	205.5	1333.75	4737.0	101.9	73.7	1334.81	4931.0	66.8	73.7	1327.88	3741.9	49.4	73.7	20
21	1334.77	4923.7	154.6	150.6	1334.00	4782.0	98.0	73.7	1334.77	4923.7	72.0	73.7	1327.51	3683.1	45.1	72.5	21
22	1335.21	5005.3	160.7	117.7	1334.27	4831.7	100.7	73.7	1334.65	4901.6	64.6	73.7	1327.12	3621.1	43.9	73.7	22
23	1335.58	5074.5	154.6	117.7	1334.46	4866.6	93.1	73.7	1334.50	4874.0	62.5	73.7	1326.75	3563.3	46.9	73.7	23
24	1335.87	5128.7	146.9	117.7	1334.65	4901.6	93.5	73.7	1334.32	4840.9	59.6	73.7	1326.35	3501.3	44.0	73.7	24
25	1336.14	5179.6	144.4	116.7	1334.82	4932.9	91.5	73.7	1334.22	4822.5	66.5	73.7	1326.06	3456.3	52.0	73.7	25
26	1336.19	5189.1	134.7	127.8	1334.97	4960.5	89.5	73.7	1334.05	4791.2	59.9	73.7	1325.70	3401.7	48.0	73.7	26
27	1336.14	5179.6	132.6	134.5	1335.09	4982.8	87.4	73.7	1333.90	4764.0	61.7	73.7	1325.30	3341.3	45.0	73.7	27
28	1336.00	5153.0	124.3	134.5	1335.20	5003.4	86.9	73.7	1333.75	4737.0	61.9	73.7	1324.92	3284.2	46.6	73.7	28
29	1335.86	5126.8	126.2	136.5	1335.27	5016.5	83.2	73.7	1333.62	4713.6	63.4	73.7	1324.52	3225.0	45.0	73.7	29
30	1335.69	5095.0	124.3	137.7	1335.32	5025.8	81.3	73.7	1333.48	4688.4	62.5	73.7	1324.19	3176.1	50.3	73.7	30
31					1335.33	5027.7	77.4	73.7	1333.32	4659.6	60.9	73.7					31
TOTAL			4999.5	6970.7			3189.8	3154.7			2163.6	2288.6			1521.9	2208.6	
INF. AC. FT.			9916.3				6326.8				4291.4				3018.6		
OUTF. AC. FT.			13826.1 + (131.7)				6257.2 + (136.8)				4539.3 + (120.1)				4380.6 + (121.3)		
MAX. MEAN DAILY INF.			204.5				131.9				79.6				61.8		
MIN. MEAN DAILY INF.			124.3				77.4				59.6				42.9		
STORAGE CHANGE			- 4041.6				- 67.3				- 368.1				- 1483.5		

MAX. W. S. ELEV.	1401.12 feet	on	05-01-79	STORAGE 21866	ACRE-FEET
MIN. W. S. ELEV.	1316.14 feet	on	12-17-78	STORAGE 2140	ACRE-FEET
MAX. PEAK INF.	1965 CFS from	0700	on 03-28-79	to 0800	on 03-28-79
MAX. PEAK OUTF.	2505 CFS from	1730	on 03-31-79	to 1330	on 04-01-79
REMARKS:	() INDICATES EVAPORATION AND OTHER LOSSES				

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

SAN GABRIEL DAM

1979-80

DRAINAGE AREA 202.7 SQ. MI.
RESERVOIR CAPACITY 43238 A.F.
AT SPILLWAY ELEVATION 1453.0 FT.
AS OF MARCH, 1978

GAGE HEIGHT AND STORAGES ARE AS OF MIDNIGHT ON THE 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	1323.82	3122.1	47.7	73.7	1317.80	2333.4	51.2	65.3	1309.64	1443.0	48.4	46.4	1309.00	1379.0	44.7	46.4	1
2	1323.43	3065.9	46.4	73.7	1317.55	2303.9	51.3	65.3	1309.63	1442.0	46.5	46.4	1308.97	1376.1	45.4	46.4	2
3	1323.03	3008.3	45.3	72.5	1317.30	2274.4	51.4	65.3	1309.60	1439.0	45.5	46.4	1308.92	1371.2	44.7	46.4	3
4	1322.68	2959.2	44.2	67.7	1317.02	2241.4	49.3	65.3	1309.58	1437.0	46.2	46.4	1308.88	1367.4	45.1	46.4	4
5	1322.38	2917.2	45.6	65.3	1316.76	2211.4	50.9	65.3	1309.52	1431.0	44.2	46.4	1308.83	1362.5	44.5	46.4	5
6	1322.08	2875.2	46.9	66.5	1316.38	2167.7	44.1	65.3	1309.50	1429.0	46.1	46.4	1308.79	1358.6	44.9	46.4	6
7	1321.90	2850.5	55.3	66.5	1316.21	2148.2	56.2	65.3	1309.41	1420.0	42.5	46.4	1308.74	1353.8	44.3	46.4	7
8	1321.72	2826.2	54.1	65.3	1316.05	2129.8	56.5	65.3	1309.38	1417.0	45.6	46.4	1308.71	1350.9	45.0	46.4	8
9	1321.45	2789.8	47.9	65.3	1315.80	2101.4	51.6	65.3	1309.33	1412.0	44.6	46.4	1312.08	1693.6	219.3	46.4	9
10	1321.12	2745.2	44.0	65.3	1315.58	2076.5	53.2	65.3	1309.30	1409.0	45.4	46.4	1315.55	2073.2	238.1	46.4	10
11	1320.89	2714.9	51.0	65.3	1315.34	2049.4	52.1	65.3	1309.25	1404.0	44.2	46.4	1321.67	2819.5	422.7	46.4	11
12	1320.58	2675.2	46.2	65.3	1315.06	2017.8	50.1	65.3	1309.20	1399.0	44.7	46.4	1324.30	3192.4	234.7	46.4	12
13	1320.33	2643.2	50.1	65.3	1314.73	1981.0	47.5	65.3	1309.13	1392.0	43.6	46.4	1326.16	3471.8	186.4	45.4	13
14	1320.05	2607.4	47.8	65.3	1314.45	1950.0	50.7	65.3	1309.10	1389.0	45.6	46.4	1330.00	4086.0	355.2	45.4	14
15	1319.82	2578.7	51.5	65.3	1314.13	1914.4	48.2	65.3	1309.03	1382.0	43.5	46.4	1333.60	4710.0	361.2	46.4	15
16	1319.58	2548.9	51.0	65.3	1313.81	1879.5	48.6	65.3	1308.99	1378.0	45.1	46.4	1335.36	5033.3	208.9	45.4	16
17	1319.25	2508.0	45.3	65.3	1313.50	1846.0	49.1	65.3	1308.91	1370.3	43.3	46.4	1335.70	5096.9	144.5	112.1	17
18	1318.98	2474.6	49.1	65.3	1313.20	1813.6	49.3	65.3	1308.84	1363.5	43.6	46.4	1335.34	5029.6	112.0	145.4	18
19	1318.75	2447.0	52.0	65.3	1312.92	1783.4	50.9	65.3	1308.77	1356.7	43.6	46.4	1334.76	4921.8	92.0	145.4	19
20	1319.57	2547.7	116.2	65.3	1312.60	1749.2	48.9	65.3	1308.69	1348.9	43.1	46.4	1334.06	4793.0	81.4	145.4	20
21	1319.97	2597.3	91.2	65.3	1312.22	1708.5	45.7	65.3	1308.67	1347.0	45.7	46.4	1333.29	4654.2	76.3	145.4	21
22	1320.00	2601.0	68.2	65.3	1311.89	1673.6	48.5	65.3	1308.65	1345.1	45.6	46.4	1332.18	4457.7	60.2	158.3	22
23	1319.90	2588.6	61.2	66.5	1311.57	1640.3	49.0	65.3	1308.63	1343.1	45.8	46.4	1331.33	4310.8	65.6	138.8	23
24	1319.70	2563.8	55.3	66.5	1311.14	1595.6	43.3	65.3	1308.60	1340.2	45.4	46.4	1330.72	4207.0	67.5	118.8	24
25	1319.56	2546.4	58.7	66.5	1310.85	1565.7	50.6	65.3	1308.90	1369.3	61.1	46.4	1330.12	4106.2	68.9	118.8	25
26	1319.36	2521.6	54.8	66.5	1310.48	1528.0	46.5	65.3	1309.02	1381.0	52.5	46.4	1329.46	3997.4	64.9	118.8	26
27	1319.03	2480.7	46.7	66.5	1310.16	1495.3	49.0	65.3	1309.08	1387.0	49.7	46.4	1328.68	3870.5	55.0	118.8	27
28	1318.85	2459.0	56.5	66.5	1309.74	1453.0	45.6	66.5	1309.08	1387.0	46.8	46.4	1330.50	4170.0	279.3	128.2	28
29	1318.53	2420.6	48.2	66.5	1309.63	1442.0	48.0	52.8	1309.08	1387.0	46.9	46.4	1348.65	7694.7	4147.5	2370.5	29
30	1318.31	2394.2	54.7	66.5	1309.61	1440.0	46.1	46.4	1309.05	1384.0	45.3	46.4	1340.63	6043.5	862.0	1694.3	30
31	1318.05	2363.0	50.6	65.3					1309.04	1383.0	46.2	46.4	1338.26	5583.9	544.2	775.5	31
TOTAL			1683.7	2062.7			1483.4	1928.8			1426.3	1438.4			9306.4	7173.9	
INF. AC. FT.			3339.5				2942.2				2829.0				18458.9		
OUTF. AC. FT.			4091.3 + (61.2)				3825.7 + (39.4)				2853.0 + (32.9)				14229.2 + (28.7)		
MAX. MEAN DAILY INF.			116.2				56.5				61.1				4147.5		
MIN. MEAN DAILY INF.			44.0				43.3				42.5				44.2		
STORAGE CHANGE			- 813.1				- 923.0				- 57.0				4200.9		

SAN GABRIEL 1979 - 80

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	1336.47	5242.3	429.8	601.0	1414.43	25801.1	1313.5	903.6	1442.48	38106.1	643.7	612.4	1400.67	20845.1	433.6	1002.7	1
2	1335.05	4976.4	358.7	492.4	1418.80	27520.8	1771.4	903.6	1442.25	37992.5	661.4	716.1	1397.55	19799.1	476.6	1002.7	2
3	1332.95	4593.2	300.6	492.4	1422.02	28835.3	2301.2	1636.9	1442.12	37928.3	641.2	670.3	1394.50	18799.5	501.2	1002.7	3
4	1332.06	4436.6	293.3	371.3	1419.71	27888.6	2026.3	2503.1	1442.26	37997.4	634.9	596.9	1391.39	17797.8	500.1	1002.7	4
5	1331.83	4396.8	280.9	300.0	1419.80	27925.0	2522.7	2503.1	1441.82	37780.8	646.8	752.5	1388.31	16822.3	513.2	1002.7	5
6	1331.12	4274.6	239.3	300.0	1420.50	28210.5	2647.5	2503.1	1441.24	37496.6	610.5	752.5	1388.45	16866.3	425.7	401.3	6
7	1330.35	4144.8	235.8	300.0	1419.05	27621.3	2207.8	2503.1	1440.75	37257.8	635.2	752.5	1388.16	16775.2	396.2	440.2	7
8	1330.34	4143.1	224.1	223.3	1417.37	26949.9	1906.7	2242.7	1440.50	37136.5	695.5	752.5	1384.62	15683.9	453.5	1002.7	8
9	1332.19	4459.4	232.1	71.2	1416.26	26512.2	1785.3	2003.1	1440.40	37088.0	733.2	752.5	1381.12	14634.6	470.5	997.7	9
10	1333.79	4744.2	215.1	70.0	1417.18	26874.5	1485.2	1299.4	1440.16	36971.6	731.2	785.8	1377.72	13643.9	480.5	977.7	10
11	1335.25	5012.8	206.9	70.0	1420.49	28206.4	1375.9	703.6	1439.64	36720.5	729.9	852.5	1374.15	12637.7	471.9	977.5	11
12	1336.53	5253.7	194.2	71.2	1422.70	29118.9	1165.2	703.6	1439.00	36412.0	729.3	877.7	1372.50	12183.0	424.5	652.5	12
13	1339.55	5832.7	364.2	71.2	1424.62	29927.9	1114.5	703.6	1438.37	36111.5	757.2	902.7	1375.07	12893.6	362.0	2.5	13
14	1356.00	9356.0	1847.6	71.2	1426.18	30594.9	1043.0	703.6	1437.39	35647.1	674.0	902.7	1377.22	13500.9	343.4	35.8	14
15	1397.15	20611.0	5748.1	73.7	1427.50	31168.0	995.3	703.6	1435.99	34990.4	576.5	902.7	1376.46	13284.6	345.3	453.1	15
16	1431.10	32759.0	7684.8	1559.7	1428.65	31671.4	959.7	703.6	1434.66	34375.6	597.1	902.7	1372.57	12202.2	363.0	907.5	16
17	1426.60	30776.8	6792.1	7791.5	1429.46	32028.8	856.5	673.1	1433.28	33743.7	589.9	902.7	1368.57	11125.1	361.5	902.5	17
18	1422.75	29139.8	7164.7	7990.0	1430.30	32401.8	804.3	612.7	1431.95	33141.5	604.3	902.7	1364.50	10070.0	367.8	897.5	18
19	1437.80	35840.6	11475.8	8097.5	1431.30	32849.0	786.4	557.7	1430.59	32531.1	600.6	902.7	1360.37	9061.3	371.0	877.5	19
20	1432.50	33390.0	6956.6	8187.7	1432.58	33426.2	796.9	503.1	1429.23	31926.9	603.1	902.7	1356.54	8175.6	382.9	827.5	20
21	1421.20	28497.4	5576.1	8041.7	1434.07	34104.2	847.4	503.1	1427.41	31128.8	576.2	975.6	1353.51	7495.7	361.3	702.5	21
22	1409.95	24120.8	4166.0	6372.0	1435.41	34721.8	821.8	508.1	1425.25	30196.0	535.1	1002.7	1350.39	6815.9	360.3	702.5	22
23	1407.59	23265.8	3309.4	3739.0	1436.64	35294.5	799.3	508.1	1422.95	29223.2	514.0	1002.7	1347.20	6145.2	364.9	702.5	23
24	1405.07	22368.8	2657.5	3108.2	1437.67	35779.2	759.4	513.1	1420.50	28210.5	493.4	1002.7	1343.80	5465.6	360.8	702.5	24
25	1400.92	20929.9	2289.2	3012.5	1438.72	36278.4	766.9	513.1	1418.06	27224.1	507.5	1002.7	1340.18	4797.0	341.6	677.5	25
26	1396.58	19478.8	1886.4	2615.7	1440.38	37078.3	734.6	330.1	1415.50	26215.0	496.3	1003.1	1336.20	4189.2	342.2	677.5	26
27	1400.85	20906.2	1687.7	965.6	1441.04	37398.6	711.7	547.1	1412.80	25179.8	482.8	1003.1	1331.78	3456.5	339.4	677.3	27
28	1408.41	23561.4	1523.6	182.5	1441.42	37584.8	666.2	569.7	1410.00	24139.0	511.3	1034.4	1330.04	3211.6	326.9	449.7	28
29	1412.30	24991.8	1443.3	720.3	1441.75	37746.5	627.8	543.1	1407.00	23054.0	507.2	1052.7	1329.80	3178.8	293.2	309.0	29
30					1442.10	37918.4	633.6	543.1	1403.95	21975.6	509.4	1052.7	1329.42	3127.1	283.8	309.0	30
31					1442.37	38051.8	612.9	543.1					1329.05	3076.8	284.2	309.0	31
TOTAL			75783.9	65962.8			37846.9	31191.6			18228.7	26228.2			12103.0	21586.0	
INF. AC. FT.			150315.1				75068.2				36156.0				24005.9		
OUTF. AC. FT.			130835.3 + (71.9)				61867.6 + (140.6)				52022.8 + (209.4)				42815.2 + (89.4)		
MAX. MEAN DAILY INF.			11475.8				2647.5				757.2				513.2		
MIN. MEAN DAILY INF.			194.2				612.9				482.8				283.8		
STORAGE CHANGE			19407.9				13060.0				-16076.2				-18898.8		

SAN GABRIEL 1979 - 80

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	1328.58	3014.6	276.0	307.0	1331.92	3476.6	161.1	152.5	1333.56	3719.6	100.3	99.8	1331.80	3459.4	106.7	99.8	1
2	1328.58	3014.6	280.7	280.3	1332.26	3526.2	149.7	123.3	1333.54	3716.5	100.2	99.8	1331.89	3472.3	107.5	99.8	2
3	1329.45	3131.2	281.2	222.0	1333.07	3645.6	159.2	97.5	1333.50	3710.5	98.5	99.8	1331.92	3476.6	103.3	99.8	3
4	1330.11	3221.3	268.1	222.0	1333.70	3740.7	146.9	97.3	1333.48	3707.5	100.0	99.8	1331.95	3480.9	103.5	99.8	4
5	1330.71	3304.7	265.5	222.0	1334.32	3835.3	147.2	97.5	1333.43	3699.9	97.7	99.8	1332.02	3490.9	106.3	99.8	5
6	1331.22	3376.5	259.5	222.0	1334.82	3912.3	138.2	97.5	1333.37	3690.9	97.0	99.8	1332.11	3504.2	107.9	99.8	6
7	1331.65	3438.0	254.3	222.0	1335.02	3943.1	143.5	125.6	1333.30	3680.3	96.6	99.8	1332.32	3535.0	116.7	99.8	7
8	1332.01	3489.5	249.4	222.0	1335.10	3955.7	151.5	142.5	1333.21	3666.7	95.0	99.8	1332.58	3573.3	120.2	99.8	8
9	1332.28	3529.2	243.4	222.0	1335.10	3955.7	145.3	142.5	1333.02	3638.0	87.4	99.8	1332.77	3601.2	115.0	99.8	9
10	1332.58	3573.3	245.7	222.3	1335.09	3954.1	144.0	142.5	1332.88	3617.4	91.4	99.8	1332.97	3630.6	115.9	99.8	10
11	1332.75	3598.3	236.3	222.3	1335.04	3946.3	141.0	142.5	1332.72	3593.8	86.1	96.1	1333.16	3659.2	115.4	99.8	11
12	1332.70	3590.9	220.0	222.3	1334.99	3938.5	140.9	142.5	1332.60	3576.2	83.1	90.3	1333.29	3678.8	110.9	99.8	12
13	1332.50	3561.5	209.1	222.3	1334.94	3930.8	140.9	142.7	1332.60	3576.2	91.7	90.3	1333.43	3699.9	111.6	99.8	13
14	1332.42	3549.7	218.1	222.3	1335.04	3946.3	134.1	124.0	1332.59	3574.7	91.0	90.3	1333.57	3721.1	111.5	99.8	14
15	1332.18	3514.5	206.2	222.3	1335.24	3977.7	130.7	112.7	1332.58	3573.3	90.9	90.3	1333.70	3740.7	110.8	99.8	15
16	1331.90	3473.7	203.4	222.3	1335.34	3993.4	128.5	118.1	1332.58	3573.3	91.8	90.3	1333.81	3757.3	109.3	99.8	16
17	1331.62	3433.7	203.5	222.3	1335.33	3991.8	119.2	117.7	1332.58	3573.3	91.8	90.3	1333.91	3772.4	108.8	99.8	17
18	1331.31	3389.3	201.5	222.3	1335.28	3984.0	120.6	122.7	1332.55	3568.9	89.4	90.3	1333.98	3783.0	106.6	99.8	18
19	1330.96	3339.4	198.4	222.3	1335.18	3968.3	121.5	127.7	1332.49	3560.0	89.7	93.0	1334.02	3789.1	104.3	99.8	19
20	1330.54	3281.1	194.5	222.3	1335.07	3951.0	120.8	127.7	1332.39	3545.3	93.7	99.8	1334.12	3804.5	108.9	99.8	20
21	1330.07	3215.7	191.0	222.3	1334.92	3927.7	117.6	127.7	1332.29	3530.6	93.9	99.8	1334.20	3816.8	108.8	101.5	21
22	1329.55	3144.8	188.2	222.3	1334.75	3901.5	116.4	127.7	1332.17	3513.0	92.5	99.8	1334.23	3821.4	103.5	99.8	22
23	1329.40	3124.4	186.9	195.6	1334.56	3872.2	114.7	127.7	1332.06	3496.8	93.2	99.8	1334.29	3830.7	105.7	99.8	23
24	1330.01	3207.4	185.8	142.3	1334.36	3841.4	113.7	127.5	1331.86	3468.0	86.6	99.8	1334.31	3833.7	103.3	99.8	24
25	1330.55	3282.5	181.9	142.3	1334.13	3806.0	111.4	127.5	1331.68	3442.2	88.0	99.8	1334.28	3829.1	99.6	99.8	25
26	1330.97	3340.8	180.3	149.0	1333.89	3769.4	110.8	127.5	1331.54	3422.2	91.2	99.8	1334.28	3829.1	101.4	99.8	26
27	1331.20	3373.6	170.7	152.3	1333.59	3724.1	106.4	127.5	1331.42	3405.1	92.9	99.8	1334.28	3829.1	101.1	99.8	27
28	1331.45	3409.4	172.5	152.5	1333.55	3718.1	110.6	111.9	1331.50	3416.5	107.4	99.8	1334.26	3826.0	100.1	99.8	28
29	1331.67	3440.8	169.6	152.5	1333.58	3722.6	110.0	105.6	1331.59	3429.4	108.2	99.8	1334.19	3815.3	96.3	99.8	29
30	1331.82	3462.3	164.9	152.5	1333.58	3722.6	101.9	99.8	1331.66	3439.4	106.7	99.8	1334.17	3812.2	100.3	99.8	30
31					1333.58	3722.6	102.0	99.8	1331.72	3448.0	105.9	99.8					31
TOTAL			6506.6	6270.2			4000.3	3807.2			2729.8	3016.8			3221.2	2995.7	
INF. AC. FT.			12905.6				7934.4				5811.1				6389.1		
OUTF. AC. FT.			12436.7 + (83.3)				7551.4 + (122.7)				5983.7 + (101.9)				5941.8 + (83.1)		
MAX. MEAN DAILY INF.			281.2				161.1				108.2				120.2		
MIN. MEAN DAILY INF.			164.9				101.9				83.1				96.3		
STORAGE CHANGE			385.5				260.3				- 274.6				364.2		

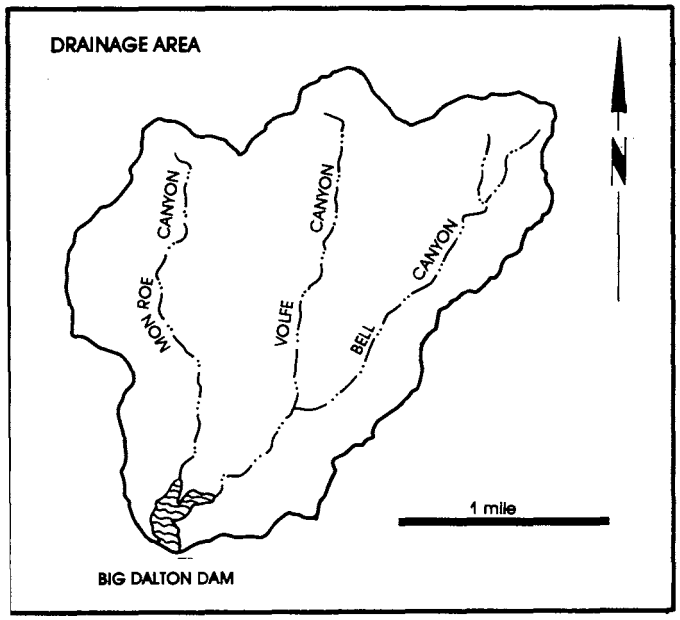
MAX. W.S. ELEV.	1442.48 feet	on	04-01-80	STORAGE	38106	ACRE - FEET
MIN. W.S. ELEV.	1308.59 feet	on	12-24-79	STORAGE	1340	ACRE - FEET
MAX. PEAK INF.	24540 CFS from	1800 on	02-16-80 to	1900 on	02-16-80	
MAX. PEAK OUTF.	8210 CFS from	0000 on	02-20-80 to	1100 on	02-20-80	
REMARKS:	() INDICATES EVAPORATION AND OTHER LOSSES					
	CHANGED TO STORAGE TABLE NO. 32 ON 02-17-80					

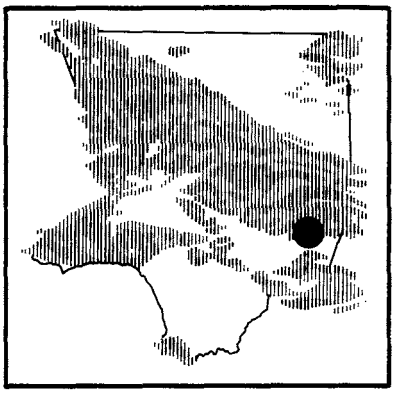
SAN GABRIEL DAM

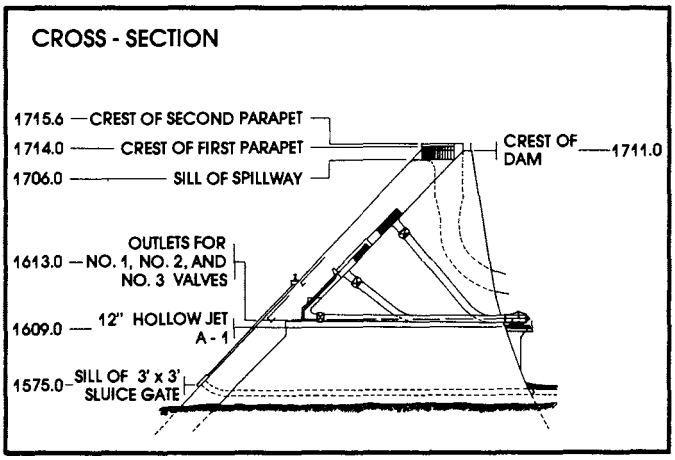
YEARLY RESERVOIR OPERATION SUMMARY

SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK MO	PEAK DAY	PEAK INFLOW 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	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	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
1972-73	124722	5075	14.1	124333	2	11	17430
1973-74	72959	1140	32	67194	1	7	1820
1974-75	47681	423	27	46194	3	6	880
1975-76	38598	978	18	33781	9	11	1630
1976-77	36322	407	15	34846	1	3	1137
1977-78	486296	13437	14.9	483712	3	4	31730
1978-79	158043	1647	42.9	163511	3	28	1965
1979-80	346155	11476	42.5	344454	2	16	24540

BIG DALTON DAM
AND RESERVOIR







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.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

BIG DALTON DAM

1977-78

DRAINAGE AREA 4.49 SQ. MI.
RESERVOIR CAPACITY 963.4 A.F.
AT SPILLWAY ELEVATION 1706.0 FT.
AS OF JANUARY, 1972

GAGE HEIGHT AND STORAGES ARE AS OF MIDNIGHT ON THE 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	1655.74	156.5	+	+	1655.52	154.6	0.1	+	1655.44	153.9	+	+	1657.63	173.5	0.4	+	1
2	1655.72	156.4	+	+	1655.53	154.7	0.1	+	1655.44	153.9	+	+	1657.72	174.3	0.4	+	2
3	1655.70	156.2	+	+	1655.51	154.5	+	+	1655.43	153.8	0.1	+	1657.84	175.4	0.5	+	3
4	1655.68	156.0	+	+	1655.49	154.4	+	+	1655.43	153.8	0.1	+	1658.41	180.8	2.7	+	4
5	1655.67	155.9	0.1	+	1655.49	154.4	0.1	+	1655.44	153.9	+	+	1658.79	184.5	1.9	+	5
6	1655.65	155.8	+	+	1655.50	154.5	0.1	+	1655.43	153.8	0.1	+	1659.09	187.4	1.5	+	6
7	1655.64	155.7	0.1	+	1655.51	154.5	0.1	+	1655.41	153.7	+	+	1659.32	189.6	1.2	+	7
8	1655.65	155.8	0.1	+	1655.51	154.5	+	+	1655.40	153.6	+	+	1659.49	191.3	0.8	+	8
9	1655.64	155.7	0.1	+	1655.49	154.4	+	+	1655.39	153.5	+	+	1659.95	195.8	2.4	0.1	9
10	1655.64	155.7	0.1	+	1655.50	154.5	0.2	+	1655.40	153.6	0.1	+	1658.67	183.3	6.3	12.6	10
11	1655.64	155.7	+	+	1655.48	154.3	+	+	1655.39	153.5	+	+	1655.61	155.4	8.1	22.2	11
12	1655.64	155.7	0.1	+	1655.50	154.5	0.2	+	1655.39	153.5	+	+	1653.49	137.6	6.4	15.2	12
13	1655.65	155.8	0.1	+	1655.48	154.3	+	+	1655.41	153.7	0.1	+	1653.97	141.5	2.7	0.8	13
14	1655.63	155.6	+	+	1655.50	154.5	0.2	+	1655.41	153.7	0.1	+	1655.25	152.3	6.6	1.1	14
15	1655.63	155.6	0.1	+	1655.51	154.5	0.1	+	1655.39	153.5	+	+	1661.53	212.1	32.6	2.5	15
16	1655.61	155.4	+	+	1655.50	154.5	0.1	+	1655.40	153.6	0.1	+	1665.66	259.3	26.3	2.4	16
17	1655.58	155.1	+	+	1655.49	154.4	+	+	1655.46	154.1	0.3	+	1667.12	277.3	22.1	13.0	17
18	1655.56	155.0	+	+	1655.47	154.2	+	+	1655.53	154.7	0.3	+	1665.71	259.9	11.5	20.3	18
19	1655.53	154.7	+	+	1655.45	154.0	+	+	1655.51	154.5	+	+	1663.88	238.0	10.2	21.2	19
20	1655.52	154.6	+	+	1655.44	153.9	0.1	+	1655.52	154.6	+	+	1661.61	213.0	8.3	20.8	20
21	1655.55	154.9	0.3	+	1655.44	153.9	+	+	1655.53	154.7	0.2	+	1659.03	186.8	6.7	19.9	21
22	1655.58	155.1	0.1	+	1655.43	153.8	+	+	1655.54	154.8	+	+	1656.18	160.4	6.5	19.9	22
23	1655.56	155.0	+	+	1655.43	153.8	0.1	+	1655.53	154.7	0.1	+	1654.74	147.9	4.3	10.6	23
24	1655.57	155.1	0.2	+	1655.45	154.0	0.1	+	1655.54	154.8	+	+	1654.22	143.5	3.1	5.2	24
25	1655.57	155.1	0.1	+	1655.47	154.2	0.2	+	1655.58	155.1	0.3	+	1653.62	138.7	3.1	5.4	25
26	1655.55	154.9	+	+	1655.50	154.5	0.3	+	1655.72	156.4	0.6	+	1652.96	133.4	2.7	5.4	26
27	1655.53	154.7	+	+	1655.48	154.3	+	+	1655.83	157.3	0.5	+	1652.64	130.9	2.3	3.5	27
28	1655.50	154.5	+	+	1655.46	154.1	+	+	1657.01	167.8	5.3	+	1653.23	135.5	2.3	+	28
29	1655.48	154.3	+	+	1655.45	154.0	+	+	1657.27	170.2	1.2	+	1653.76	139.8	2.3	+	29
30	1655.50	154.5	0.2	+	1655.45	154.0	0.1	+	1657.45	171.8	0.8	+	1654.21	143.5	1.8	+	30
31	1655.50	154.5	0.1	+					1657.55	172.8	0.5	+	1654.71	147.7	2.1	+	31
TOTAL			1.8	+			2.2	+			10.8	+			190.1	202.1	
INF. AC. FT.			3.5				4.3				21.4				377.0		
OUTF. AC. FT.			+ + (5.7)				+ + (4.9)				+ + (2.5)				400.8 + (1.3)		
MAX. MEAN DAILY INF.			0.3				0.3				5.3				32.6		
MIN. MEAN DAILY INF.			+				+				+				0.4		
STORAGE CHANGE			- 2.2				- 0.5				18.8				- 25.1		

BIG DALTON 1977 - 78

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	1655.15	151.4	2.0	0.1	1682.16	489.8	71.9	30.9	1669.30	305.3	13.8	11.1	1659.54	191.8	9.1	+	1
2	1655.56	155.0	1.9	0.1	1680.06	456.8	147.4	164.0	1669.52	308.2	12.0	10.5	1661.24	209.0	8.7	+	2
3	1655.95	158.4	1.8	0.1	1669.50	308.0	63.1	138.0	1669.62	309.5	11.2	10.5	1662.78	225.7	8.5	+	3
4	1656.29	161.4	1.5	+	1680.98	471.1	213.2	131.0	1669.93	313.6	12.9	10.8	1664.27	242.6	8.5	+	4
5	1656.71	165.1	2.1	0.1	1681.71	482.6	231.8	226.0	1670.10	315.8	11.9	10.8	1665.67	259.4	8.6	+	5
6	1657.26	170.1	2.6	0.1	1677.33	416.1	116.6	150.0	1670.74	324.3	15.2	10.8	1666.95	275.2	8.0	+	6
7	1658.01	177.0	3.6	0.1	1677.48	418.3	70.3	69.1	1671.84	339.1	18.3	10.8	1668.13	290.2	7.6	+	7
8	1658.76	184.2	3.7	0.1	1678.56	434.2	59.3	51.3	1672.47	347.7	14.9	10.5	1669.24	304.5	7.3	+	8
9	1675.17	385.2	101.4	0.1	1677.61	420.2	44.3	51.3	1672.97	354.5	14.0	10.5	1670.31	318.6	7.3	+	9
10	1692.20	668.7	157.6	14.5	1675.86	395.0	37.4	50.1	1673.39	360.3	13.3	10.2	1671.32	332.1	6.9	+	10
11	1692.90	682.4	58.7	51.8	1673.98	368.5	36.9	50.1	1673.67	364.2	12.4	10.5	1672.29	345.2	6.7	+	11
12	1687.54	581.7	48.7	99.4	1671.63	336.3	32.6	48.9	1673.85	366.7	12.2	10.8	1670.91	326.6	5.0	14.3	12
13	1683.83	517.2	50.3	82.8	1668.78	298.6	30.0	48.9	1673.47	361.4	10.7	13.4	1668.31	292.5	3.2	20.3	13
14	1683.10	505.1	31.1	37.1	1665.77	260.6	28.8	47.8	1671.71	337.4	8.7	20.8	1665.63	258.9	3.1	19.9	14
15	1683.72	515.4	27.5	22.2	1662.85	226.5	30.6	47.8	1670.87	326.1	15.2	20.8	1662.97	227.8	4.3	19.9	15
16	1683.76	516.0	22.5	22.2	1661.45	211.3	36.6	44.2	1670.21	317.3	15.9	20.3	1660.49	201.3	5.7	19.0	16
17	1683.39	509.9	19.2	22.2	1661.76	214.6	26.6	24.8	1668.91	300.2	11.8	20.3	1658.35	180.3	7.6	18.1	17
18	1682.73	499.0	16.8	22.2	1662.48	222.4	17.1	13.1	1667.50	282.2	11.3	20.3	1656.58	164.0	9.1	17.2	18
19	1681.90	485.6	15.1	21.7	1663.00	228.1	14.8	11.8	1665.99	263.3	10.4	19.9	1654.73	147.8	9.1	17.2	19
20	1680.93	470.3	14.0	21.7	1663.56	234.4	14.4	11.1	1664.42	244.4	10.5	19.9	1652.62	130.7	8.7	17.2	20
21	1679.84	453.5	13.4	21.7	1664.29	242.8	15.3	11.1	1662.83	226.2	10.8	19.9	1650.25	113.0	8.4	17.2	21
22	1678.67	435.9	12.9	21.7	1666.12	264.9	24.6	13.4	1661.15	208.1	10.4	19.4	1647.79	96.6	8.9	17.2	22
23	1677.91	424.6	11.0	16.6	1667.08	276.8	18.1	12.1	1659.35	189.9	10.3	19.4	1645.32	82.1	9.6	16.8	23
24	1677.34	416.3	9.3	13.4	1667.63	283.8	15.4	11.8	1658.33	180.1	13.7	18.5	1643.26	71.1	10.6	16.1	24
25	1676.81	408.6	9.5	13.4	1667.87	286.8	13.1	11.5	1657.21	169.6	12.1	17.4	1643.58	72.7	6.7	5.8	25
26	1676.24	400.4	9.1	13.1	1667.98	288.2	12.3	11.5	1655.39	153.5	8.1	16.1	1645.19	81.4	4.4	+	26
27	1675.74	393.3	9.5	13.1	1668.00	288.5	11.8	11.5	1653.74	139.6	8.1	15.1	1646.64	89.7	4.1	+	27
28	1676.80	408.4	21.0	13.4	1667.94	287.7	11.1	11.5	1653.45	137.3	8.5	9.7	1647.93	97.5	4.1	+	28
29					1667.80	286.0	10.4	11.1	1655.64	155.7	9.9	0.5	1649.07	104.9	3.8	+	29
30					1668.00	288.5	12.9	11.5	1657.65	173.7	9.2	0.1	1650.21	112.7	4.0	+	30
31					1668.88	299.9	17.2	11.5					1651.20	119.9	3.8	+	31
TOTAL			677.8	545.0			1485.9	1538.7			357.7	419.6			211.4	236.2	
INF. AC. FT.			1344.3				2947.2				709.4				419.3		
OUTF. AC. FT.			1080.9 + (2.7)				3051.9 + (3.7)				832.2 + (3.3)				468.4 + (4.5)		
MAX. MEAN DAILY INF.			157.6				231.8				18.3				10.6		
MIN. MEAN DAILY INF.			1.5				10.4				8.1				3.1		
STORAGE CHANGE			260.7				- 108.5				- 126.2				- 53.8		

BIG DALTON 1977 - 78

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	1652.17	127.2	3.8	+	1667.58	283.2	2.2	0.1	1651.48	122.0	1.1	+	1639.96	54.9	0.5	0.5	1
2	1653.13	134.7	3.8	+	1667.88	287.0	2.2	0.1	1651.70	123.7	1.0	+	1639.78	54.1	1.0	1.4	2
3	1654.00	141.7	3.6	+	1668.17	290.7	2.2	0.1	1651.90	125.2	0.8	+	1639.49	52.8	0.5	1.1	3
4	1654.79	148.3	3.4	+	1668.47	294.6	2.6	0.5	1652.22	127.6	1.3	+	1639.20	51.5	0.2	0.8	4
5	1655.55	154.9	3.4	+	1668.68	297.3	1.5	0.1	1652.43	129.3	1.0	+	1639.31	52.0	1.1	0.8	5
6	1656.30	161.5	3.5	+	1667.19	278.2	1.4	10.9	1652.64	130.9	0.9	+	1639.77	54.1	1.9	0.8	6
7	1657.02	167.9	3.3	+	1664.58	246.2	1.4	17.4	1652.86	132.6	1.0	+	1639.87	54.5	1.2	1.0	7
8	1657.68	174.0	3.2	+	1661.99	217.0	1.3	16.0	1653.03	133.9	0.7	+	1639.88	54.6	0.9	0.8	8
9	1658.30	179.8	3.0	+	1659.27	189.1	1.5	15.4	1653.24	135.6	1.0	+	1639.88	54.6	0.8	0.8	9
10	1658.90	185.5	3.0	+	1656.41	162.4	1.4	14.8	1652.47	129.6	0.9	3.9	1639.87	54.5	0.9	0.8	10
11	1659.50	191.4	3.0	+	1653.38	136.7	1.5	14.3	1650.02	111.3	0.9	10.0	1639.86	54.5	0.9	0.8	11
12	1660.07	197.0	3.0	+	1650.12	112.1	1.4	13.7	1647.35	93.9	0.8	9.5	1639.85	54.4	0.8	0.8	12
13	1660.61	202.5	2.8	+	1646.78	90.5	1.4	12.2	1644.43	77.2	0.8	9.1	1639.87	54.5	0.9	0.8	13
14	1661.10	207.6	2.7	+	1645.23	81.6	1.3	5.7	1642.88	69.1	0.6	4.7	1639.91	54.7	0.9	0.8	14
15	1661.58	212.6	2.6	+	1645.68	84.1	1.3	+	1643.20	70.7	0.9	+	1639.96	54.9	0.9	0.8	15
16	1662.05	217.7	2.7	+	1646.11	86.5	1.3	+	1643.51	72.4	1.0	+	1640.01	55.1	0.6	0.5	16
17	1662.51	222.7	2.6	+	1646.55	89.1	1.5	+	1643.83	74.0	0.9	+	1640.04	55.3	1.0	0.8	17
18	1662.94	227.4	2.5	+	1646.91	91.3	1.2	+	1644.15	75.7	1.0	+	1640.07	55.4	0.9	0.8	18
19	1663.35	232.1	2.6	+	1647.38	94.1	1.5	+	1644.44	77.3	0.9	+	1640.06	55.4	0.8	0.8	19
20	1663.75	236.6	2.3	+	1647.85	97.0	1.5	+	1644.73	78.8	0.8	+	1640.02	55.2	0.5	0.5	20
21	1664.13	240.9	2.3	+	1648.21	99.3	1.3	+	1644.96	80.1	0.8	+	1640.04	55.3	0.9	0.8	21
22	1664.48	245.1	2.2	+	1648.50	101.2	1.1	+	1645.26	81.8	0.9	+	1640.02	55.2	0.9	0.8	22
23	1664.87	249.7	2.4	+	1648.87	103.6	1.3	+	1644.02	75.0	0.4	3.7	1640.00	55.1	0.8	0.8	23
24	1665.21	253.8	2.3	+	1649.24	106.0	1.3	+	1641.85	63.9	0.9	6.4	1639.99	55.1	0.9	0.8	24
25	1665.53	257.7	2.2	+	1649.50	107.8	1.0	+	1640.98	59.7	0.8	2.8	1639.95	54.9	0.8	0.8	25
26	1665.87	261.8	2.2	+	1649.86	110.2	1.3	+	1640.77	58.7	0.8	1.3	1639.86	54.5	0.4	0.5	26
27	1666.21	266.0	2.3	+	1650.12	112.1	1.1	+	1640.57	57.8	0.9	1.3	1639.82	54.3	0.5	0.5	27
28	1666.59	270.7	2.4	+	1650.43	114.3	1.2	+	1640.34	56.7	0.8	1.3	1639.76	54.0	0.4	0.5	28
29	1666.92	274.8	2.2	+	1650.68	116.1	1.0	+	1640.17	55.9	1.0	1.3	1639.71	53.8	0.5	0.5	29
30	1667.27	279.2	2.4	0.1	1650.91	117.8	0.9	+	1640.02	55.2	0.9	1.3	1639.67	53.6	0.5	0.5	30
31					1651.21	120.0	1.2	+	1639.95	54.9	1.1	1.1					31
TOTAL			83.7	0.1			44.3	121.3			27.6	57.7			23.8	22.7	
INF. AC. FT.			166.0				87.8				54.7				47.2		
OUTF. AC. FT.			0.1 + (6.5)				240.5 + (6.5)				114.4 + (5.3)				45.0 + (3.5)		
MAX. MEAN DAILY INF.			3.8				2.6				1.3				1.9		
MIN. MEAN DAILY INF.			2.2				0.9				0.4				0.2		
STORAGE CHANGE			159.3				- 159.2				- 65.1				- 1.3		

MAX. W. S. ELEV.	1694.32 feet	on	02-11-78	STORAGE	711	ACRE - FEET	
MIN. W. S. ELEV.	1638.99 feet	on	09-05-78	STORAGE	50	ACRE - FEET	
MAX. PEAK INF.	500 CFS	from	1200	on	03-04-78 to	1400 on	03-04-78
MAX. PEAK OUTF.	263 CFS	from	0900	on	03-05-78 to	1000 on	03-05-78
REMARKS:	() INDICATES EVAPORATION AND OTHER LOSSES						

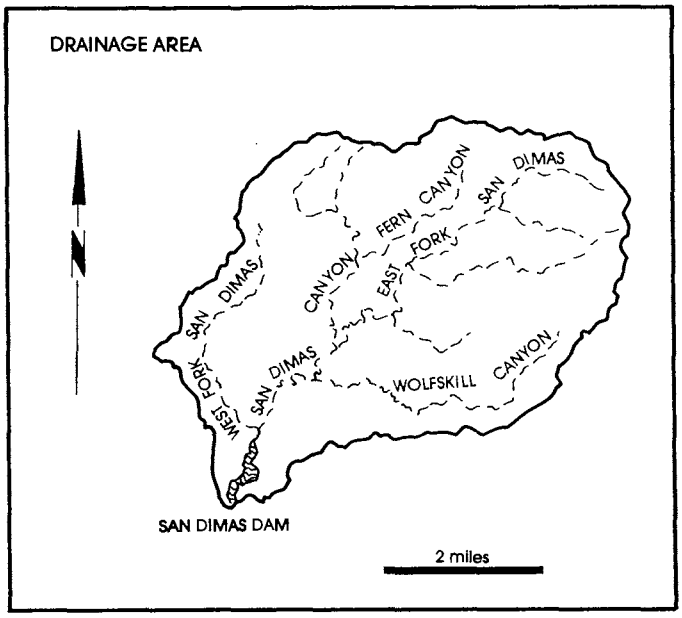
BIG DALTON DAM

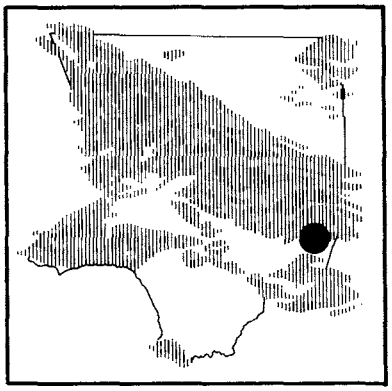
YEARLY RESERVOIR OPERATION SUMMARY

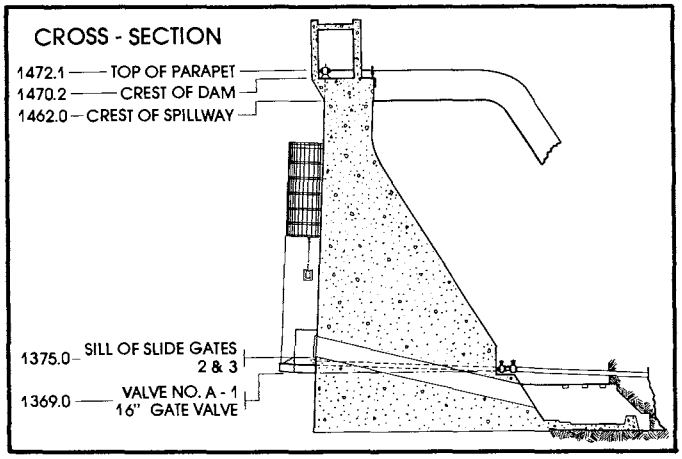
SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK MO	PEAK DAY	PEAK CFS
1929-30	52	3.2	0	52			N.D.
1930-31	41	2.0	0	41	4	26	3
1931-32	690	54	0	688	2	9	86
1932-33	79	5.2	0	81	1	20	12
1933-34	448	93	0	448	1	1	227
1934-35	593	21	0	575	4	8	49
1935-36	360	12	0	370	2	11	72
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
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	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	+	+	12	27	11
1972-73	1386	100	+	1046	2	11	163
1973-74	860	43	0.1	1030	1	7	68
1974-75	379	4.0	0.1	211	3	6	7.8
1975-76	237	6.4	0	467	3	1	17
1976-77	171	3.1	0	20	1	3	14
1977-78	6182	231.8	0	6234	3	4	500
1978-79	R.I.						
1979-80	R.I.						

N.D. = NOT DETERMINED
R.I. = RECORDS INCOMPLETE
+ = LESS THAN 0.05 ACRE FEET OR LESS THAN 0.05 CFS, BUT GREATER THAN 0.

SAN DIMAS DAM
AND RESERVOIR







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.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

SAN DIMAS DAM

1979-80

DRAINAGE AREA 16.2 SQ. MI.
RESERVOIR CAPACITY 1462 A.F.
AT SPILLWAY ELEVATION 1462.0 FT.
AS OF NOVEMBER, 1979

GAGE HEIGHT AND STORAGES ARE AS OF MIDNIGHT ON THE 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			2.8	2.8			3.8	3.8	1392.00	0	3.4	3.4	1411.25	123.2	3.6	0.2	1
2			2.5	2.5			3.1	3.1	1392.00	0	3.4	3.4	1411.75	129.7	3.5	0.2	2
3			2.5	2.5			3.1	3.1	1392.00	0	3.4	3.4	1412.21	135.8	3.4	0.2	3
4			2.5	2.5			3.4	3.4	1392.00	0	3.4	3.4	1412.63	141.5	3.1	0.2	4
5			2.5	2.5			3.4	3.4	1392.00	0	3.4	3.4	1413.05	147.3	3.2	0.2	5
6			2.8	2.8			3.4	3.4	1392.00	0	3.4	3.4	1413.44	152.9	3.1	0.2	6
7			2.8	2.8			3.8	3.8	1392.00	0	3.4	3.4	1413.86	158.9	3.2	0.2	7
8			2.8	2.8			4.4	4.4	1392.00	0	3.8	3.8	1414.30	165.4	3.5	0.2	8
9			2.8	2.8			4.1	4.1	1392.00	0	3.8	3.8	1416.69	203.1	19.2	0.2	9
10			2.8	2.8			4.1	4.1	1389.00	0	4.1	4.1	1420.06	263.0	30.4	0.2	10
11		N	2.8	2.8		N	3.8	3.8	1389.16	0	2.6	2.6	1422.81	318.1	28.0	0.2	11
12		O	2.8	2.8		O	3.8	3.8	1394.73	4.3	2.3	0.1	1423.84	340.2	11.3	0.2	12
13			3.1	3.1			3.4	3.4	1396.22	9.1	2.5	0.1	1424.74	360.0	10.2	0.2	13
14		S	3.1	3.1		S	3.4	3.4	1397.51	14.2	2.7	0.1	1427.76	429.7	35.4	0.2	14
15		T	3.1	3.1		T	3.4	3.4	1398.64	19.0	2.6	0.2	1429.54	472.3	21.6	0.1	15
16		O	3.4	3.4		O	3.4	3.4	1399.66	23.3	2.3	0.2	1430.40	493.2	10.7	0.1	16
17		R	3.1	3.1		R	3.8	3.8	1400.54	27.8	2.5	0.2	1431.10	510.4	8.9	0.3	17
18		A	3.4	3.4		A	4.4	4.4	1401.40	32.3	2.6	0.2	1431.75	526.6	8.6	0.4	18
19		G	4.1	4.1		G	4.1	4.1	1402.21	37.0	2.6	0.2	1432.23	538.6	6.5	0.4	19
20		E	14.9	14.9		E	4.1	4.1	1403.01	42.1	2.6	0.1	1432.64	549.0	5.7	0.4	20
21			5.1	5.1			4.1	4.1	1403.96	48.8	3.5	0.1	1433.03	558.9	5.5	0.4	21
22			3.8	3.8			3.8	3.8	1404.77	55.2	3.3	0.1	1433.37	567.6	4.9	0.4	22
23			3.4	3.4			4.1	4.1	1405.51	61.4	3.5	0.2	1433.69	575.8	4.6	0.4	23
24			3.4	3.4			4.1	4.1	1406.24	68.0	3.5	0.2	1434.00	583.7	4.5	0.4	24
25			3.1	3.1			4.1	4.1	1407.07	75.9	4.2	0.2	1434.29	591.2	4.3	0.4	25
26			3.4	3.4			4.1	4.1	1407.76	82.9	3.7	0.2	1434.58	598.8	4.3	0.4	26
27			3.4	3.4			4.4	4.4	1408.40	89.7	3.6	0.2	1434.88	606.6	4.3	0.4	27
28			3.4	3.4			4.1	4.1	1409.01	96.3	3.6	0.2	1437.67	681.0	38.4	0.7	28
29			3.1	3.1			3.8	3.8	1409.59	103.0	3.6	0.2	1457.17	1285.1	345.3	40.4	29
30			3.4	3.4			3.8	3.8	1410.15	109.5	3.5	0.2	1454.18	1181.1	27.6	79.9	30
31			3.4	3.4					1410.71	116.4	3.7	0.2	1453.95	1173.4	27.0	30.8	31
TOTAL			109.5	109.5			114.6	114.6			100.5	41.5			693.8	159.1	
INF. AC. FT.			217.1				227.3				199.3				1376.1		
OUTF. AC. FT.			217.1				227.3				82.3 + (0.5)				315.5 + (3.5)		
MAX. MEAN DAILY INF.			14.9				4.4				4.2				345.3		
MIN. MEAN DAILY INF.			2.5				3.1				2.3				2.1		
STORAGE CHANGE			0				0				116.4				1057.0		

SAN DIMAS 1979 - 80

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	
1453.81	1168.7	18.6	21.0	1451.12	999.4	72.8	67.8	1462.88	1401.6	40.7	40.7	1461.16	1337.9	23.8	32.0	1
1453.46	1157.2	14.5	20.2	1450.67	985.5	99.0	106.0	1462.71	1395.3	40.3	43.2	1460.76	1323.4	21.8	29.0	2
1453.02	1142.7	12.1	19.3	1451.19	1001.6	117.1	109.0	1462.86	1400.8	36.9	34.0	1460.45	1312.2	21.5	27.0	3
1452.56	1127.0	9.9	17.7	1450.27	973.3	99.7	114.0	1462.77	1397.5	36.1	37.5	1460.11	1300.0	21.2	27.0	4
1452.09	1111.1	8.1	16.0	1450.13	969.0	117.0	119.0	1462.73	1396.0	35.4	36.0	1459.76	1287.4	20.8	27.0	5
1451.62	1095.8	8.4	16.0	1450.58	982.7	154.9	148.0	1462.70	1394.9	33.5	34.0	1459.41	1274.8	20.9	27.0	6
1451.01	1076.3	6.2	16.0	1449.32	944.6	149.8	169.0	1462.69	1394.5	32.0	32.0	1459.07	1262.5	21.0	27.0	7
1450.42	1057.4	5.9	15.2	1447.23	882.9	135.0	166.0	1462.68	1394.2	31.0	31.0	1458.73	1250.6	21.1	27.0	8
1449.81	1038.1	4.9	14.4	1444.52	805.6	125.1	164.0	1462.67	1393.8	28.1	28.0	1458.42	1239.7	21.6	27.0	9
1449.20	1019.2	5.0	14.4	1446.59	864.4	105.1	75.4	1462.67	1393.8	26.3	26.1	1458.42	1239.7	27.1	27.0	10
1448.60	1000.4	3.4	12.8	1449.67	955.1	95.1	49.3	1462.71	1395.3	28.0	27.0	1458.12	1229.2	21.9	27.0	11
1447.96	980.2	2.8	12.8	1451.09	998.4	84.1	62.2	1462.70	1394.9	27.1	27.0	1457.78	1217.5	21.2	27.0	12
1448.63	1001.3	22.6	11.9	1452.19	1032.9	74.5	57.0	1462.70	1394.9	26.3	26.1	1457.39	1204.3	20.4	27.0	13
1454.69	1198.5	112.1	11.9	1453.70	1080.4	73.5	49.5	1462.70	1394.9	26.3	26.1	1457.02	1191.7	20.8	27.0	14
1439.34	726.9	301.4	538.0	1454.96	1121.7	70.5	49.5	1462.70	1394.9	26.3	26.1	1456.63	1178.4	20.4	27.0	15
1455.46	1225.1	673.3	422.0	1456.00	1157.0	67.3	49.5	1462.68	1394.2	25.9	26.1	1456.21	1164.1	20.0	27.0	16
1448.32	914.9	441.6	594.0	1456.80	1184.2	63.4	49.5	1462.68	1394.2	26.4	26.1	1455.76	1148.8	18.4	26.1	17
1448.83	930.0	411.6	404.0	1457.52	1208.7	63.2	50.7	1462.67	1393.8	25.4	25.3	1455.28	1132.5	17.9	26.1	18
1457.79	1217.9	399.2	254.0	1458.57	1245.0	59.1	40.7	1462.66	1393.4	25.5	25.3	1454.77	1115.4	17.7	26.1	19
1457.92	1222.3	300.3	298.0	1459.45	1276.2	56.5	40.7	1462.66	1393.4	25.6	25.3	1454.27	1098.9	18.9	27.0	20
1456.09	1160.1	338.8	370.0	1460.27	1305.7	55.8	40.7	1462.67	1393.8	25.8	25.3	1453.81	1083.9	19.5	27.0	21
1450.12	968.7	252.5	349.0	1460.94	1329.8	53.2	40.7	1462.71	1395.3	27.1	26.1	1453.34	1068.9	18.7	26.1	22
1446.97	875.3	183.0	230.0	1461.49	1350.1	50.9	40.7	1462.68	1394.2	24.8	25.3	1452.89	1054.6	18.9	26.1	23
1445.82	842.3	136.5	153.0	1462.01	1369.4	50.6	40.7	1462.67	1393.8	24.4	24.4	1452.37	1038.5	17.2	25.3	24
1443.04	764.5	110.8	150.0	1462.99	1405.6	52.9	34.6	1462.66	1393.4	24.3	24.4	1451.84	1022.0	17.1	25.3	25
1439.21	662.5	93.7	145.0	1462.89	1401.9	50.2	52.0	1462.66	1393.4	23.7	23.6	1451.28	1004.4	16.6	25.3	26
1438.84	652.9	91.9	96.6	1462.74	1396.4	46.8	49.5	1462.65	1393.1	23.7	23.6	1450.73	987.3	17.1	25.3	27
1445.44	831.5	91.2	1.0	1462.79	1398.2	44.3	43.2	1462.35	1382.0	23.5	29.0	1450.19	970.8	17.1	25.3	28
1450.80	989.5	81.2	1.5	1462.87	1401.2	43.6	42.0	1461.99	1368.6	24.2	31.0	1449.64	954.2	16.1	24.4	29
				1462.90	1402.3	42.8	42.0	1461.60	1354.2	24.9	32.0	1449.10	938.0	15.7	23.6	30
				1462.89	1401.9	41.9	42.0					1448.59	922.9	16.1	23.6	31
TAL		4141.5	4225.7			2416.7	2204.9			849.5	867.6			608.5	821.6	
C. FT.		8214.5				4791.4				1684.9				1206.9		
AC. FT.		8381.5 + (16.9)				4373.3 + (5.7)				1720.8 + (11.7)				1629.6 + (8.5)		
MEAN DAILY INF.		673.3				154.9				40.7				27.1		
MEAN DAILY INF.		2.8				41.9				23.5				15.7		
GE CHANGE		- 183.9				412.4				- 47.7				- 431.3		

SAN DIMAS 1979 - 80

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	
1448.06	907.2	15.7	23.6	1435.75	575.3	7.8	20.2	1434.87	553.9	7.7	2.8	1446.06	849.1	6.4	1.1	1
1447.53	891.7	15.9	23.6	1434.58	546.9	7.6	21.7	1435.25	563.1	7.7	2.8	1446.40	858.9	6.4	1.2	2
1446.98	875.6	15.6	23.6	1433.60	523.6	8.6	20.2	1435.65	572.9	8.4	3.1	1446.74	868.7	6.4	1.2	3
1446.38	858.3	13.2	21.9	1432.94	508.1	8.4	16.0	1436.06	582.9	8.3	3.1	1447.06	878.0	6.2	1.2	4
1445.80	841.7	12.8	21.9	1432.25	492.2	7.5	15.2	1436.44	592.3	8.2	3.1	1447.38	887.3	6.2	1.2	5
1445.24	825.8	13.1	21.0	1431.48	474.6	7.4	16.0	1436.81	601.5	8.4	3.4	1447.69	896.3	5.9	1.1	6
1444.65	809.2	12.9	21.0	1430.67	456.3	7.1	16.0	1437.17	610.5	7.9	3.1	1448.04	906.6	6.5	1.0	7
1444.05	792.4	12.6	21.0	1429.81	437.2	6.7	16.0	1437.51	619.1	7.5	2.8	1448.40	917.2	6.3	0.8	8
1444.12	794.4	13.1	11.8	1428.99	419.3	6.4	15.2	1437.86	627.9	7.5	2.8	1448.75	927.6	6.2	0.8	9
1444.35	800.8	13.1	9.6	1428.82	415.6	6.2	7.7	1438.20	636.5	7.4	2.8	1449.10	938.0	6.4	0.8	10
1444.25	798.0	12.5	13.6	1428.97	418.9	6.3	4.4	1438.54	645.2	7.5	2.8	1449.44	948.2	6.0	0.7	11
1444.10	793.8	12.6	14.4	1429.13	422.3	7.2	5.1	1438.87	653.7	7.5	2.8	1449.77	958.1	5.9	0.7	12
1443.93	789.1	12.3	14.4	1429.31	426.3	9.0	6.7	1439.21	662.5	7.8	3.1	1450.10	968.1	6.0	0.8	13
1443.76	784.4	12.4	14.4	1429.34	426.9	9.8	9.3	1439.60	672.6	8.5	3.1	1450.45	978.8	6.3	0.8	14
1443.57	779.1	11.9	14.4	1429.21	424.1	10.9	11.9	1439.99	682.7	8.1	2.8	1450.78	988.9	6.1	0.8	15
1443.36	773.3	11.8	14.4	1429.37	427.6	9.7	7.7	1440.36	692.5	8.0	2.8	1451.10	998.7	6.1	0.8	16
1443.14	767.3	11.7	14.4	1429.74	435.7	9.2	4.8	1440.74	702.5	7.9	2.8	1451.41	1008.5	6.1	1.0	17
1442.93	761.5	11.7	14.4	1430.07	443.0	8.8	4.8	1441.11	712.3	8.2	3.1	1451.71	1017.9	6.0	1.1	18
1442.70	755.2	12.3	15.2	1430.45	451.4	9.3	4.8	1441.48	722.3	8.1	2.8	1452.02	1027.6	6.3	1.1	19
1442.45	748.4	12.0	15.2	1430.81	459.5	8.7	4.4	1441.86	732.4	7.3	2.1	1452.33	1037.2	6.1	1.0	20
1442.21	741.9	12.2	15.2	1431.15	467.1	8.1	4.1	1442.22	742.2	7.0	1.8	1452.64	1046.8	5.8	0.8	21
1441.98	735.7	12.4	15.2	1431.48	474.6	8.2	4.1	1442.58	752.0	7.2	1.8	1452.96	1056.8	6.1	0.8	22
1441.39	719.9	12.4	20.0	1431.78	481.4	7.9	4.1	1442.95	762.0	6.9	1.7	1453.26	1066.3	5.6	0.7	23
1440.74	702.5	12.5	21.0	1432.08	488.2	7.8	4.1	1443.31	772.0	6.7	1.4	1453.53	1075.0	5.5	0.7	24
1440.08	685.1	11.7	20.2	1432.38	495.2	7.9	4.1	1443.68	782.2	6.5	1.2	1453.80	1083.6	5.2	0.5	25
1439.46	669.0	10.8	18.5	1432.67	501.9	7.8	4.1	1444.02	791.6	6.1	1.0	1454.07	1092.3	5.2	0.5	26
1438.88	653.9	10.4	17.7	1432.95	508.3	7.5	4.1	1444.36	801.1	6.1	1.0	1454.33	1100.9	5.1	0.5	27
1438.34	640.1	11.0	17.7	1433.34	517.5	7.4	2.5	1444.69	810.3	6.0	1.0	1454.59	1109.5	4.8	0.4	28
1437.90	628.9	10.7	16.0	1433.75	527.1	6.9	1.8	1445.02	819.6	5.8	0.8	1454.84	1117.7	4.9	0.4	29
1436.77	600.5	8.5	22.7	1434.12	535.9	7.5	2.8	1445.34	828.7	5.7	0.8	1455.09	1126.1	5.0	0.4	30
				1434.49	544.8	7.7	2.8	1445.70	838.9	6.4	1.0					31
AL		372.8	528.0			247.3	266.7			228.3	71.5			177.0	24.9	
. FT.		739.4				496.5				452.8				351.0		
C. FT.		1047.2 + (14.4)				528.9 + (17.2)				141.8 + (16.8)				49.3 + (14.4)		
MEAN DAILY INF.		15.9				10.9				8.5				6.5		
EAN DAILY INF.		8.5				6.2				5.7				4.8		
E CHANGE		- 322.4				- 55.7				294.1				287.2		

V. S. ELEV.	1462.99 feet	on	03-25-80	STORAGE	1406	ACRE - FEET
I. S. ELEV.	1392.00 feet	on	VARIES	STORAGE	0	ACRE - FEET
EAK INF.	2549 CFS from		1800 on	02-16-80 to	1900 on	02-16-80
EAK OUTF.	1228 CFS from		0200 on	02-17-80 to	0300 on	02-17-80
KS:	() INDICATES EVAPORATION AND OTHER LOSSES					
	CHANGED TO STORAGE TABLE NO. 23 ON 02-17-80					
	95 ACRE-FT. WERE LOST DUE TO SILTATION					

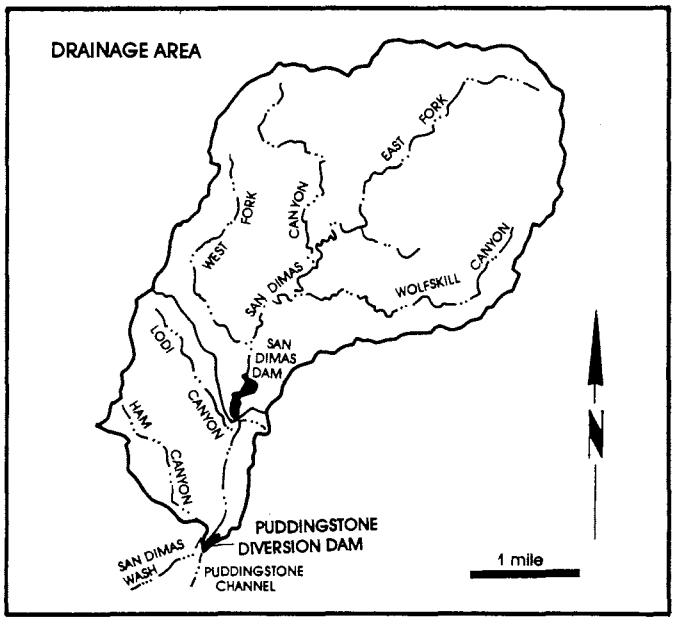
SAN DIMAS DAM

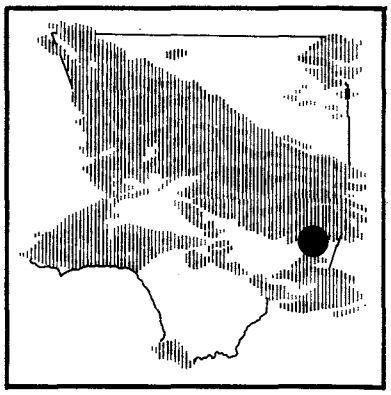
YEARLY RESERVOIR OPERATION SUMMARY

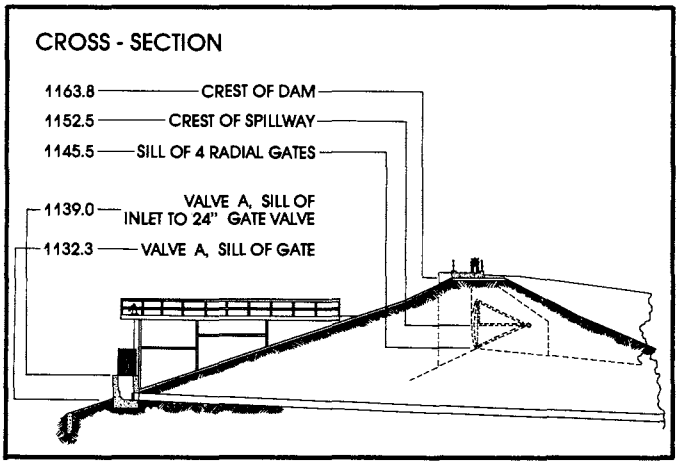
SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK MO	PEAK DAY	PEAK INFLOW CFS
1928-29	N.D.	N.D.	0	N.D.			N.D.
1929-30	591	28	0	573			N.D.
1930-31	585	23	0	466			N.D.
1931-32	2502	162	0	2496			N.D.
1932-33	652	50	0	648			N.D.
1933-34	1351	229	0	1357	1	1	422
1934-35	1753	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
1972-73	4252	346	0.7	4000	2	11	685
1973-74	2447	121	0.3	2389	1	7	185
1974-75	1487	28	0.1	1566	3	6	67
1975-76	1002	52	0.1	926	9	10	443
1976-77	1094	41	0	1146	1	3	260
1977-78	R.I.						
1978-79	R.I.						
1979-80	19951	673	2.3	18715	2	16	2549

N.D. = NOT DETERMINED
R.I. = RECORDS INCOMPLETE
+ = LESS THAN 0.05 ACRE FEET OR LESS THAN 0.05 CFS, BUT GREATER THAN 0.

PUDDINGSTONE DIVERSION DAM
AND RESERVOIR







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.

RECORDS INCOMPLETE

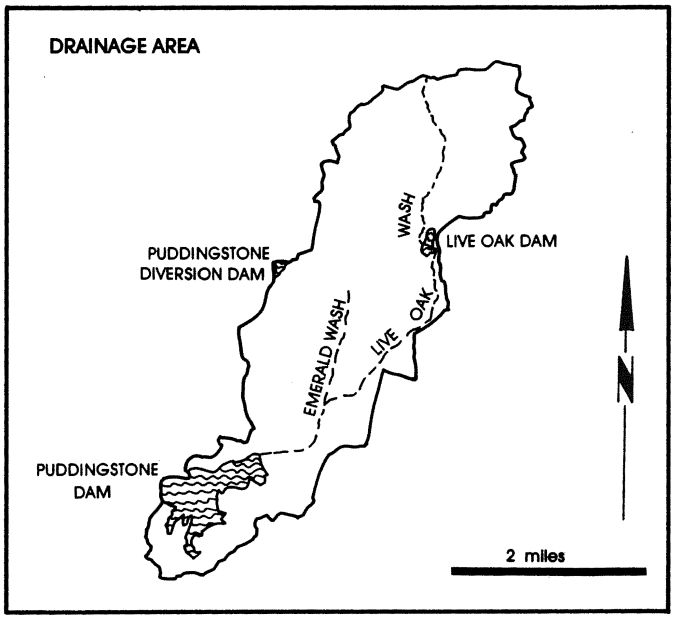
PUDDINGSTONE DIVERSION DAM

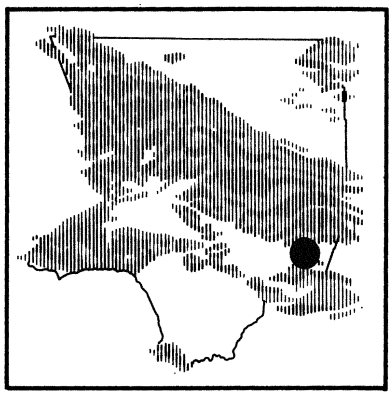
YEARLY RESERVOIR OPERATION SUMMARY

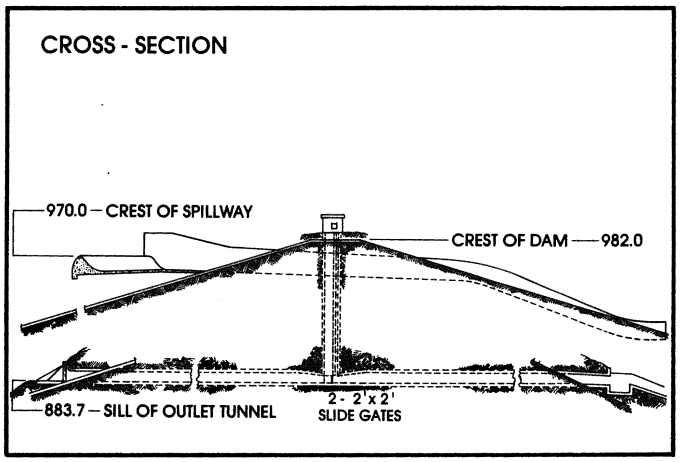
SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK MO	PEAK DAY	PEAK INFLOW CFS
1935-36	304	48	0	304	4	10	85
1936-37	5019	104	0	4646			N.D.
1937-38	11697	1640	0	11506	3	2	5760
1938-39	1288	28	0	1293	1	10	23
1939-40	350	26	0	155	1	8	33
1940-41	7213	133	0	6776	3	14	155
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	152	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
1972-73	3746	163	0	3321	2	11	219
1973-74	1660	75	0	1371	1	7	110
1974-75	969	15	0	786	3	6	46
1975-76	423	9.1	0	333	3	1	16
1976-77	844	29	0	578	1	3	57
1977-78	R.I.						
1978-79	R.I.						
1979-80	R.I.						

N.D. = NOT DETERMINED
R.I. = RECORDS INCOMPLETE

PUDDINGSTONE DAM
AND RESERVOIR







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.

RECORDS INCOMPLETE

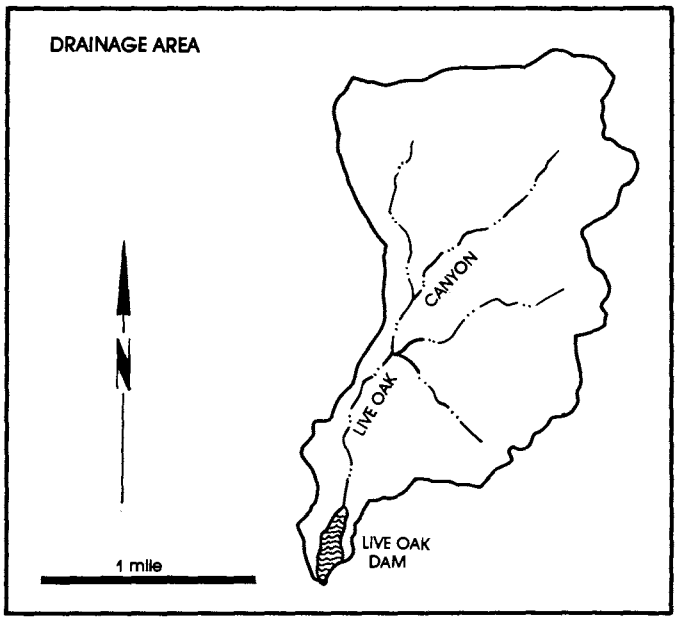
PUDDINGSTONE DAM

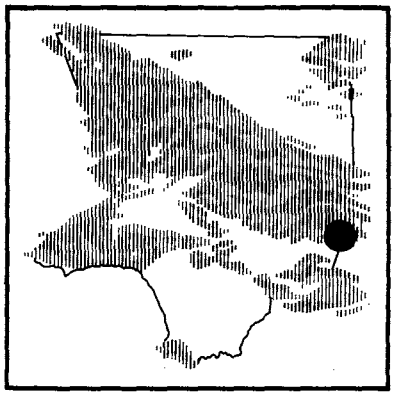
YEARLY RESERVOIR OPERATION SUMMARY

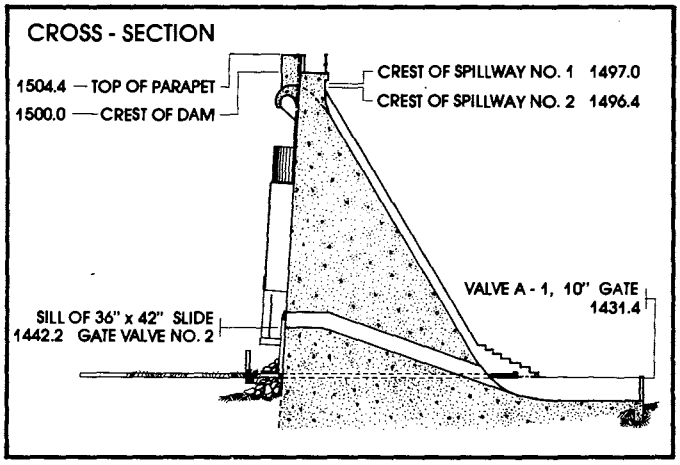
SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK MO	PEAK DAY	PEAK INFLOW CFS
1928-29	114	12	0	151			N.D.
1929-30	295	15	0	223			N.D.
1930-31	73	9.0	0	119			N.D.
1931-32	1547	162	0	1086			N.D.
1932-33	314	30	0	906			N.D.
1933-34	2669	596	0	1809			N.D.
1934-35	610	N.D.	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	365
1971-72	1007	186	+	+	12	24	538
1972-73	4038	341	0.1	+	2	11	604
1973-74	2409	1070	0.1	1069	1	7	660
1974-75	1832	153	0	1832	12	4	769
1975-76	2644	180	0.1	0	9	10	493
1976-77	2655	138	0.1	197	1	3	812
1977-78	R.I.						
1978-79	R.I.						
1979-80	R.I.						

N.D. = NOT DETERMINED
R.I. = RECORDS INCOMPLETE
+ = LESS THAN 0.05 ACRE FEET OR LESS THAN 0.05 CFS, BUT GREATER THAN 0.
A = ANNUAL ACRE-FEET INCLUDES IMPORTED WATER

LIVE OAK DAM
AND RESERVOIR







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.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

LIVE OAK DAM
1977-78

DRAINAGE AREA 2.28 SQ. MI.
RESERVOIR CAPACITY 249.1 A.F.
AT SPILLWAY ELEVATION 1496.4 FT.
AS OF OCTOBER, 1977

GAGE HEIGHT AND STORAGES ARE AS OF MIDNIGHT ON THE 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	1444.00	0	0	0	1459.81	14.9	0	0	1
2			0	0			0	0	1444.00	0	0	0	1459.79	14.8	0	0	2
3			0	0			0	0	1444.00	0	0	0	1459.81	14.9	0	0	3
4			0	0			0	0	1444.00	0	0	0	1461.95	20.1	2.6	0	4
5			0	0			0	0	1444.00	0	0	0	1462.51	21.6	0.8	0	5
6			0	0			0	0	1444.00	0	0	0	1462.89	22.6	0.5	0	6
7			0	0			0	0	1444.00	0	0	0	1463.04	23.0	0.2	0	7
8			0	0			0	0	1444.00	0	0	0	1463.15	23.3	0.1	0	8
9			0	0			0	0	1444.00	0	0	0	1464.34	26.8	1.8	0	9
10			0	0			0	0	1444.00	0	0	0	1468.20	39.8	6.6	0	10
11		N	0	0		N	0	0	1444.00	0	0	0	1469.31	44.1	2.1	0	11
12		O	0	0		O	0	0	1444.00	0	0	0	1469.77	46.0	1.0	0	12
13			0	0			0	0	1444.00	0	0	0	1468.38	40.4	0.7	3.5	13
14		S	0	0		S	0	0	1444.00	0	0	0	1467.30	36.5	3.3	5.3	14
15		T	0	0		T	0	0	1444.00	0	0	0	1472.26	56.9	15.9	5.6	15
16		O	0	0		O	0	0	1444.00	0	0	0	1477.39	84.4	19.6	5.8	16
17		R	0	0		R	0	0	1444.00	0	0	0	1478.47	90.9	9.9	6.6	17
18		A	0	0		A	0	0	1444.83	0.1	0.2	0.1	1476.89	81.5	3.3	8.0	18
19		G	0	0		G	0	0	1444.00	0	0	0.1	1475.49	73.5	2.5	6.6	19
20		E	0	0		E	0	0	1444.00	0	0	0	1474.39	67.6	1.7	4.6	20
21			0	0			0	0	1444.00	0	0	0	1473.19	61.5	1.5	4.6	21
22			0	0			0	0	1444.00	0	0	0	1471.95	55.5	1.1	4.1	22
23			0	0			0	0	1444.00	0	0	0	1470.74	50.1	1.1	3.9	23
24			0	0			0	0	1444.00	0	0	0	1466.55	33.9	0.8	8.9	24
25			0	0			0	0	1444.00	0	0	0	1457.24	9.7	1.3	13.5	25
26			0	0			0	0	1445.95	0.2	0.1	0	1445.00	0.1	1.6	6.5	26
27			0	0			0	0	1447.95	0.8	0.5	0.2	1445.11	0.1	1.3	1.3	27
28			0	0			0	0	1459.83	14.9	7.1	0	1445.10	0.1	1.2	1.2	28
29			0	0			0	0	1459.89	15.1	0	0	1445.09	0.1	1.2	1.2	29
30			0	0			0	0	1459.87	15.0	0	0	1445.14	0.1	1.2	1.2	30
31			0	0					1459.84	14.9	0	0	1445.14	0.1	1.3	1.3	31
TOTAL			0	0			0	0			7.9	0.4			86.2	93.7	
INF. AC. FT.			0				0				15.6				170.9		
OUTF. AC. FT.			0				0				0.7				185.8		
MAX. MEAN DAILY INF.			0				0				7.1				19.6		
MIN. MEAN DAILY INF.			0				0				0				0		
STORAGE CHANGE			0				0				14.9				- 14.8		

LIVE OAK 1977 - 78

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	1445.10	0.1	1.0	1.0	1475.92	59.7	32.4	14.3	1475.42	57.5	2.0	8.6	1455.02	3.5	1.3	1.5	1
2	1445.12	0.1	1.0	1.0	1480.78	85.5	38.3	25.3	1473.71	50.1	1.9	5.6	1455.15	3.7	1.3	1.2	2
3	1445.09	0.1	1.0	1.0	1478.05	70.2	18.0	25.7	1471.93	43.1	1.5	5.1	1455.47	4.0	1.1	0.9	3
4	1445.06	0.1	1.0	1.0	1479.34	77.1	70.9	67.4	1470.46	37.8	2.2	4.8	1455.97	4.5	1.2	0.9	4
5	1445.16	0.1	1.2	1.2	1475.35	57.2	68.9	73.0	1468.74	32.1	1.7	4.6	1456.32	4.9	1.2	1.0	5
6	1448.61	1.1	1.1	0.6	1470.77	38.9	22.4	31.6	1467.67	28.8	2.7	4.4	1456.44	5.0	0.6	0.6	6
7	1453.20	4.2	1.9	0.3	1463.87	18.8	14.4	24.5	1467.44	28.2	3.8	4.1	1456.10	4.6	0.7	0.9	7
8	1455.84	7.5	1.9	0.3	1456.54	5.1	14.1	21.0	1466.38	25.2	2.6	4.1	1455.65	4.2	0.8	1.0	8
9	1482.35	116.5	55.4	0.4	1452.09	1.4	15.8	17.7	1465.11	21.8	2.2	3.9	1455.16	3.7	0.7	1.0	9
10	1477.16	65.6	29.2	54.9	1449.27	0.4	14.4	14.9	1463.78	18.6	2.0	3.6	1454.70	3.2	0.8	1.0	10
11	1473.30	48.5	12.6	21.2	1451.06	0.9	12.1	11.8	1462.47	15.5	1.8	3.4	1454.54	3.1	0.8	0.9	11
12	1473.60	49.7	11.4	10.8	1449.15	0.3	8.9	9.2	1461.22	12.9	1.9	3.2	1454.82	3.3	0.7	0.6	12
13	1473.93	51.0	12.5	11.8	1457.00	5.7	6.6	3.9	1460.13	10.7	1.7	2.8	1455.32	3.8	0.7	0.4	13
14	1472.41	45.0	8.1	11.2	1461.84	14.2	4.3	0	1458.87	8.5	1.5	2.6	1455.58	4.1	0.6	0.4	14
15	1468.45	31.2	6.3	13.2	1464.86	21.2	3.5	0	1460.89	12.2	4.5	2.6	1455.94	4.4	0.5	0.4	15
16	1467.39	28.0	4.7	6.3	1467.17	27.4	3.1	0	1461.40	13.2	2.6	2.1	1455.52	4.0	0.4	0.6	16
17	1469.17	33.5	2.9	0.2	1469.12	33.3	3.0	0	1461.24	12.9	1.9	2.1	1455.55	4.1	0.4	0.3	17
18	1470.46	37.8	2.4	0.2	1470.68	38.6	2.7	0	1460.94	12.3	1.8	2.1	1455.78	4.3	0.4	0.3	18
19	1471.47	41.4	2.0	0.2	1472.01	43.4	2.4	0	1460.51	11.4	1.7	2.1	1455.83	4.3	0.3	0.3	19
20	1472.31	44.6	1.8	0.2	1473.21	48.1	2.4	0	1460.13	10.7	1.7	2.1	1455.70	4.2	0.3	0.4	20
21	1473.01	47.3	1.6	0.2	1474.49	53.1	2.5	0	1459.81	10.1	1.6	1.9	1455.60	4.1	0.6	0.6	21
22	1462.96	16.6	2.9	18.4	1476.68	63.3	5.1	0	1459.34	9.3	1.5	1.9	1455.40	3.9	0.8	0.9	22
23	1455.99	4.5	2.8	8.9	1478.00	69.9	3.3	0	1458.79	8.4	1.4	1.9	1455.55	4.1	0.7	0.6	23
24	1457.79	6.8	1.4	0.2	1479.05	75.5	2.9	0	1458.28	7.5	1.5	1.9	1455.38	3.9	0.9	1.0	24
25	1459.12	8.9	1.2	0.2	1479.94	80.6	2.5	0	1457.94	7.0	1.6	1.9	1454.88	3.4	0.9	1.2	25
26	1460.22	10.8	1.2	0.2	1480.73	85.2	2.4	0	1457.42	6.3	1.6	1.9	1454.65	3.2	1.1	1.2	26
27	1461.28	13.0	1.3	0.2	1481.44	89.6	2.2	0	1456.76	5.4	1.2	1.7	1454.62	3.2	1.2	1.2	27
28	1465.87	23.8	5.6	0.2	1482.10	93.8	2.1	0	1456.18	4.7	1.4	1.7	1454.68	3.2	1.3	1.3	28
29					1482.71	97.7	2.0	0	1455.62	4.1	1.4	1.7	1454.65	3.2	1.3	1.3	29
30					1481.08	87.3	2.2	7.5	1455.31	3.8	1.3	1.5	1454.97	3.5	1.3	1.2	30
31					1478.14	70.6	4.1	12.5					1455.43	3.9	1.6	1.3	31
TOTAL			177.4	165.5			383.9	360.3			58.2	91.9			26.5	26.4	
INF. AC. FT.			351.8				761.4				115.4				52.5		
OUTF. AC. FT.			328.2				714.6				182.2				52.3		
MAX. MEAN DAILY INF.			55.4				70.9				4.5				1.6		
MIN. MEAN DAILY INF.			1.0				2.0				1.2				0.3		
STORAGE CHANGE			23.7				46.8			-	66.8				0.1		

LIVE OAK 1977 - 78

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	1455.83	4.3	1.4	1.2	1449.75	0.5	0.2	0.2			0.2	0.2			0	0	1
2	1456.15	4.7	1.4	1.2	1449.79	0.5	0.2	0.2			0	0			0.1	0.1	2
3	1456.46	5.1	1.1	0.9	1448.77	0.3	0.1	0.2			0.1	0.1			0.1	0.1	3
4	1456.57	5.2	0.7	0.6	1449.12	0.3	0.2	0.2			0.1	0.1			0	0	4
5	1456.96	5.7	0.5	0.3	1449.35	0.4	0.2	0.2			0.1	0.1			0.1	0.1	5
6	1457.23	6.0	0.5	0.3	1448.44	0.2	0.1	0.2			0.1	0.1			0.3	0.3	6
7	1457.39	6.2	0.4	0.3	1448.79	0.3	0.3	0.2			0	0			0.2	0.2	7
8	1457.33	6.2	0.4	0.4	1449.10	0.3	0.1	0.1			0.1	0.1			0.1	0.1	8
9	1452.89	1.8	0.4	2.3	1449.74	0.5	0.2	0.1			0.3	0.3			0.1	0.1	9
10	1448.93	0.3	0.3	1.2	1447.36	0.1	0	0.2			0.1	0.1			0	0	10
11	1450.75	0.8	0.3	0.2	1447.39	0.1	0.1	0.1	N		0	0	N		0	0	11
12	1451.56	1.2	0.3	0.2	1447.83	0.2	0.1	0.1	O		0.2	0.2	O		0	0	12
13	1451.61	1.2	0.3	0.3	1447.26	0.1	0.1	0.1			0.1	0.1			0.1	0.1	13
14	1451.42	1.1	0.3	0.3	1447.39	0.1	0.1	0.1	S		0.3	0.3	S		0.2	0.2	14
15	1450.99	0.9	0.3	0.4	1447.47	0.1	0.1	0.1	T		0.3	0.3	T		0.1	0.1	15
16	1450.68	0.8	0.3	0.4	1448.05	0.2	0.1	0.1	O		0	0	O		0	0	16
17	1450.77	0.8	0.4	0.4	1448.39	0.2	0.1	0.1	R		0	0	R		0.1	0.1	17
18	1450.60	0.8	0.4	0.4	1448.23	0.2	0.1	0.1	A		0.1	0.1	A		0.2	0.2	18
19	1450.09	0.6	0.3	0.4	1447.59	0.2	0.2	0.2	G		0.2	0.2	G		0.1	0.1	19
20	1448.86	0.3	0.5	0.6	1447.87	0.2	0.1	0.1	E		0.2	0.2	E		0	0	20
21	1448.90	0.3	0.4	0.4	1447.38	0.1	0.1	0.1			0	0			0	0	21
22	1450.70	0.8	0.6	0.4	1447.56	0.2	0.1	0.1			0.1	0.1			0.1	0.1	22
23	1451.52	1.2	0.6	0.4	1447.22	0.1	0.1	0.1			0.1	0.1			0.1	0.1	23
24	1451.34	1.1	0.9	0.9	1448.28	0.2	0.1	0.1			0.1	0.1			0.1	0.1	24
25	1451.25	1.0	0.8	0.9	1447.15	0.1	0.2	0.2			0.1	0.1			0.2	0.2	25
26	1450.61	0.8	0.8	0.9	1447.75	0.2	0.1	0.1			0.1	0.1			0	0	26
27	1449.39	0.4	0.4	0.6	1448.58	0.3	0.2	0.1			0	0			0	0	27
28	1449.33	0.4	0.2	0.2	1447.46	0.1	0	0.1			0.1	0.1			0	0	28
29	1449.79	0.5	0.3	0.2	1448.86	0.3	0.1	0			0	0			0	0	29
30	1449.60	0.5	0.2	0.2	1449.02	0.3	0	0			0	0			0	0	30
31					1448.48	0.2	0	0.1			0	0					31
TOTAL			15.7	17.4			3.7	3.9			3.1	3.1			2.3	2.3	
INF. AC. FT.			31.1				7.3				6.1				4.5		
OUTF. AC. FT.			34.5				7.7				6.1				4.5		
MAX. MEAN DAILY INF.			1.4				0.3				0.3				0.3		
MIN. MEAN DAILY INF.			0.2				0				0				0		
STORAGE CHANGE		-	3.4			-	0.3				0				0		

MAX. W.S. ELEV.	1484.58 feet	on	02-10-78	STORAGE	111	ACRE - FEET	
MIN. W.S. ELEV.	1444.00 feet	on	VARIES	STORAGE	0	ACRE - FEET	
MAX. PEAK INF.	187 CFS from	1800	on	03-04-78	to	1900 on	03-04-78
MAX. PEAK OUTF.	119 CFS from	1400	on	03-04-78	to	1500 on	03-04-78
REMARKS:	CHANGED TO STORAGE TABLE NO. 15 ON 02-10-78						
	33.6 ACRE-FT. WERE LOST DUE TO SILTATION						

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

LIVE OAK DAM

1978-79

DRAINAGE AREA 2.2 SQ. MI.
RESERVOIR CAPACITY 244.5 A.F.
AT SPILLWAY ELEVATION 1496.4 FT.
AS OF DECEMBER, 1978

GAGE HEIGHT AND STORAGES ARE AS OF MIDNIGHT ON THE 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			0.1	0.1	1445.00	0	0.3	0.3	1445.00	0	0.4	0.4	1
2			0	0			0.2	0.2	1445.00	0	0.4	0.4	1445.00	0	0.6	0.6	2
3			0	0			0.3	0.3	1445.00	0	0.3	0.3	1445.00	0	0.4	0.4	3
4			0	0			0.3	0.3	1445.00	0	0.3	0.3	1445.00	0	0.4	0.4	4
5			0	0			0.1	0.1	1445.00	0	0.3	0.3	1451.28	2.9	1.9	0.4	5
6			0	0			0.3	0.3	1445.00	0	0.3	0.3	1450.79	2.4	1.2	1.5	6
7			0	0			0.1	0.1	1445.00	0	0.3	0.3	1448.46	0.8	0.4	1.2	7
8			0	0			0.2	0.2	1445.00	0	0.3	0.3	1445.00	0	0.5	0.9	8
9			0	0			0.1	0.1	1445.00	0	0.4	0.4	1445.00	0	0.9	0.9	9
10			0	0			0.1	0.1	1445.00	0	0.4	0.4	1445.00	0	0.9	0.9	10
11		N	0	0		N	0.3	0.3	1445.00	0	0.4	0.4	1445.00	0	0.6	0.6	11
12		O	0	0		O	0.4	0.4	1445.00	0	0.4	0.4	1445.00	0	0.9	0.9	12
13			0.3	0.3			0.2	0.2	1445.00	0	0.4	0.4	1445.00	0	0.9	0.9	13
14		S	0.2	0.2		S	0.3	0.3	1445.00	0	0.3	0.3	1445.00	0	0.9	0.9	14
15		T	0.2	0.2		T	0.3	0.3	1445.00	0	0.3	0.3	1454.55	6.7	4.4	1.0	15
16		O	0.2	0.2		O	0.3	0.3	1445.00	0	0.3	0.3	1455.53	8.2	1.9	1.2	16
17		R	0.2	0.2		R	0.2	0.2	1450.81	2.4	1.5	0.3	1455.84	8.7	1.6	1.3	17
18		A	0.1	0.1		A	0.2	0.2	1451.67	3.2	1.7	1.3	1455.88	8.8	1.3	1.3	18
19		G	0.1	0.1		G	0.2	0.2	1449.20	1.2	1.1	2.1	1455.66	8.5	1.2	1.3	19
20		E	0.2	0.2		E	0.2	0.2	1445.00	0	0.3	0.9	1455.38	8.0	1.0	1.3	20
21			0.1	0.1			0.4	0.4	1445.00	0	0.6	0.6	1455.06	7.5	1.1	1.3	21
22			0.1	0.1			0.6	0.6	1445.00	0	0.4	0.4	1454.67	6.9	1.0	1.3	22
23			0.2	0.2			0.4	0.4	1445.00	0	0.4	0.4	1454.25	6.3	1.0	1.3	23
24			0.2	0.2			0.3	0.3	1445.00	0	0.4	0.4	1453.68	5.5	1.1	1.5	24
25			0.2	0.2			0.4	0.4	1445.00	0	0.4	0.4	1453.07	4.7	0.9	1.3	25
26			0.2	0.2			0.4	0.4	1445.00	0	0.4	0.4	1452.43	4.0	0.9	1.3	26
27			0	0			0.3	0.3	1445.00	0	0.4	0.4	1451.72	3.2	0.9	1.3	27
28			0.3	0.3			0.3	0.3	1445.00	0	0.4	0.4	1451.01	2.6	1.0	1.3	28
29			0.2	0.2			0.3	0.3	1445.00	0	0.6	0.6	1450.13	1.9	1.0	1.3	29
30			0.3	0.3			0.3	0.3	1445.00	0	0.6	0.6	1452.47	4.0	2.2	1.2	30
31			0.4	0.4					1445.00	0	0.6	0.6	1457.76	12.2	5.5	1.3	31
TOTAL			3.7	3.7			8.1	8.1			15.2	15.2			38.9	32.7	
INF. AC. FT.			7.3				16.0				30.1				77.1		
OUTF. AC. FT.			7.3				16.0				30.1				64.8		
MAX. MEAN DAILY INF.			0.4				0.6				1.7				5.5		
MIN. MEAN DAILY INF.			0				0.1				0.3				0.4		
STORAGE CHANGE			0				0.0				0.0				12.2		

LIVE OAK 1978 - 79

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	1460.21	17.7	4.5	1.7	1465.41	33.5	5.0	3.0	1472.05	61.2	2.9	4.1	1455.70	8.5	2.5	2.3	1
2	1461.62	21.4	3.5	1.7	1465.51	33.8	3.4	3.2	1471.43	58.3	2.7	4.1	1455.97	9.0	2.2	1.9	2
3	1461.97	22.3	2.6	2.1	1465.27	33.0	3.0	3.4	1470.69	54.9	2.4	4.1	1456.02	9.0	1.2	1.2	3
4	1461.79	21.8	2.3	2.6	1464.81	31.4	2.8	3.6	1469.72	50.6	2.2	4.4	1456.00	9.0	0.9	0.9	4
5	1461.23	20.3	1.9	2.6	1464.11	29.0	2.3	3.6	1468.65	46.1	1.6	3.9	1455.35	8.0	0.7	1.3	5
6	1460.49	18.4	1.6	2.6	1463.16	25.9	2.1	3.6	1467.58	41.7	1.7	3.9	1454.27	6.3	0.7	1.5	6
7	1459.66	16.4	1.6	2.6	1462.18	22.9	1.7	3.2	1466.43	37.2	1.3	3.6	1453.17	4.8	0.5	1.3	7
8	1458.77	14.4	1.6	2.6	1461.19	20.2	1.8	3.2	1465.25	32.9	1.5	3.6	1452.64	4.2	0.6	0.9	8
9	1457.75	12.2	1.7	2.8	1460.27	17.9	1.9	3.0	1464.07	28.8	1.3	3.4	1452.74	4.3	0.7	0.6	9
10	1456.61	10.0	1.5	2.6	1459.25	15.5	1.7	3.0	1462.83	24.9	1.2	3.2	1452.81	4.4	0.4	0.4	10
11	1455.39	8.0	1.6	2.6	1458.27	13.3	1.7	2.8	1461.71	21.6	1.4	3.0	1452.86	4.4	0.3	0.3	11
12	1454.05	6.0	1.6	2.6	1457.32	11.3	1.6	2.6	1460.54	18.6	1.3	2.8	1452.85	4.4	0.3	0.3	12
13	1453.02	4.6	1.6	2.3	1456.61	10.0	1.7	2.3	1459.34	15.7	1.3	2.8	1452.80	4.4	0.4	0.4	13
14	1450.88	2.5	1.2	2.3	1455.99	9.0	1.6	2.1	1457.99	12.7	1.5	3.0	1452.89	4.5	0.7	0.6	14
15	1449.04	1.1	1.4	2.1	1455.55	8.3	1.5	1.9	1456.49	9.8	1.5	3.0	1453.08	4.7	0.5	0.4	15
16	1449.89	1.7	1.5	1.2	1455.24	7.8	1.5	1.7	1455.00	7.4	1.8	3.0	1453.39	5.1	0.8	0.6	16
17	1450.49	2.2	1.5	1.2	1455.89	8.8	2.0	1.5	1453.63	5.4	2.0	3.0	1453.63	5.4	0.7	0.6	17
18	1450.99	2.6	1.4	1.2	1456.80	10.4	2.1	1.3	1452.34	3.9	2.1	2.8	1453.85	5.7	1.1	0.9	18
19	1451.33	2.9	1.4	1.3	1459.01	14.9	3.7	1.5	1451.78	3.3	1.9	2.3	1454.00	5.9	1.0	0.9	19
20	1451.94	3.4	1.8	1.5	1459.83	16.8	2.7	1.7	1451.94	3.4	1.8	1.7	1454.13	6.1	1.1	1.0	20
21	1460.17	17.6	7.5	0.4	1459.93	17.0	2.4	2.3	1452.41	4.0	2.0	1.7	1454.33	6.4	1.1	1.0	21
22	1462.52	24.0	3.6	0.4	1459.70	16.5	2.0	2.3	1452.91	4.5	2.2	1.9	1454.37	6.5	1.1	1.0	22
23	1463.87	28.2	3.5	1.3	1459.27	15.5	1.8	2.3	1453.46	5.2	2.2	1.9	1454.34	6.4	1.2	1.3	23
24	1464.47	30.2	2.9	1.9	1458.85	14.6	1.7	2.1	1453.94	5.8	2.2	1.9	1454.25	6.3	1.0	1.0	24
25	1464.62	30.7	2.8	2.6	1458.46	13.7	1.6	2.1	1454.28	6.3	2.4	2.1	1454.26	6.3	0.9	0.9	25
26	1464.64	30.8	2.9	2.8	1458.07	12.9	1.7	2.1	1454.57	6.8	2.5	2.3	1454.24	6.3	0.6	0.6	26
27	1464.49	30.3	2.9	3.2	1467.92	43.1	18.1	2.8	1454.87	7.2	2.5	2.3	1454.29	6.3	0.4	0.4	27
28	1464.27	29.5	2.8	3.2	1471.61	59.2	12.2	4.1	1455.08	7.5	2.8	2.6	1454.33	6.4	0.4	0.4	28
29					1472.65	64.2	6.6	4.1	1455.26	7.8	2.7	2.6	1454.29	6.3	0.4	0.4	29
30					1472.78	64.8	4.7	4.4	1455.46	8.1	2.5	2.3	1454.27	6.3	0.3	0.3	30
31					1472.52	63.5	3.4	4.1					1454.22	6.2	0.2	0.3	31
TOTAL			66.7	58.0			102.0	84.9			59.4	87.3			24.9	25.9	
INF. AC. FT.			132.2				202.3				117.8				49.3		
OUTF. AC. FT.			115.0				168.3				173.1				51.3		
MAX. MEAN DAILY INF.			7.5				18.1				2.9				2.5		
MIN. MEAN DAILY INF.			1.2				1.5				1.2				0.2		
STORAGE CHANGE			17.3				34.0				- 55.4				- 1.9		

LIVE OAK 1978 - 79

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	1454.24	6.3	0.4	0.3			0.2	0.2			0.1	0.1			0.1	0.1	1
2	1454.24	6.3	0.3	0.3			0.1	0.1			0.1	0.1			0.1	0.1	2
3	1454.25	6.3	0.3	0.3			0.1	0.1			0.1	0.1			0	0	3
4	1454.26	6.3	0.2	0.2			0.2	0.2			0.1	0.1			0	0	4
5	1454.19	6.2	0.1	0.2			0.2	0.2			0.1	0.1			0	0	5
6	1454.18	6.2	0.2	0.2			0.2	0.2			0.1	0.1			0	0	6
7	1454.23	6.2	0.2	0.2			0.2	0.2			0.1	0.1			0	0	7
8	1454.25	6.3	0.4	0.3			0.2	0.2			0.1	0.1			0	0	8
9	1454.04	6.0	0.1	0.3			0.2	0.2			0.1	0.1			0	0	9
10	1453.65	5.4	0.1	0.4			0.1	0.1			0	0			0	0	10
11	1453.25	4.9	0.1	0.4	N		0.1	0.1	N		0	0	N		0	0	11
12	1452.89	4.5	0.1	0.3	O		0.1	0.1	O		0	0	O		0	0	12
13	1452.19	3.7	0	0.4			0.1	0.1			0	0			0	0	13
14	1451.89	3.4	0.5	0.6	S		0.2	0.2	S		0.1	0.1	S		0	0	14
15	1451.64	3.2	0.2	0.3	T		0.2	0.2	T		0.1	0.1	T		0	0	15
16	1451.39	3.0	0.2	0.3	O		0.1	0.1	O		0.1	0.1	O		0	0	16
17	1451.14	2.7	0	0.2	R		0.2	0.2	R		0.1	0.1	R		0	0	17
18	1450.91	2.5	0.1	0.2	A		0.2	0.2	A		0.1	0.1	A		0	0	18
19	1450.70	2.4	0.2	0.2	G		0.2	0.2	G		0.1	0.1	G		0	0	19
20	1450.50	2.2	0	0.1	E		0.1	0.1	E		0.1	0.1	E		0	0	20
21	1450.29	2.0	0	0.1			0.1	0.1			0.1	0.1			0	0	21
22	1449.86	1.7	0	0.2			0.1	0.1			0.1	0.1			0	0	22
23	1449.26	1.3	0	0.2			0.1	0.1			0	0			0	0	23
24	1448.65	0.9	0	0.2			0.1	0.1			0	0			0	0	24
25	1448.04	0.6	0.1	0.2			0.1	0.1			0.1	0.1			0	0	25
26	1447.43	0.4	0.1	0.2			0.1	0.1			0.2	0.2			0	0	26
27	1446.82	0.3	0.1	0.2			0.1	0.1			0.2	0.2			0	0	27
28	1446.22	0.1	0.1	0.2			0.1	0.1			0.1	0.1			0	0	28
29	1445.61	0.1	0.2	0.2			0.1	0.1			0.1	0.1			0	0	29
30	1445.00	0	0.2	0.2			0.1	0.1			0.1	0.1			0	0	30
31							0.1	0.1			0.1	0.1					31
TOTAL			4.5	7.6			4.3	4.3			2.7	2.7			0.2	0.2	
INF. AC. FT.			8.9				8.5				5.3				0.3		
OUTF. AC. FT.			15.0				8.5				5.3				0.3		
MAX. MEAN DAILY INF.			0.5				0.2				0.2				0.1		
MIN. MEAN DAILY INF.			0				0.1				0				0		
STORAGE CHANGE			- 6.2				0.0				0				0		

MAX. W. S. ELEV.	1472.80 feet	on	03-30-79	STORAGE	64.9	ACRE - FEET	
MIN. W. S. ELEV.	1445.00 feet	on	VARIES	STORAGE	0	ACRE - FEET	
MAX. PEAK INF.	43.4 CFS from	1400 on	03-27-79 to	1500 on	03-27-79		
MAX. PEAK OUTF.	5.0 CFS from	VARI on	03-27-79 to	on			
REMARKS:							

RECORDS INCOMPLETE

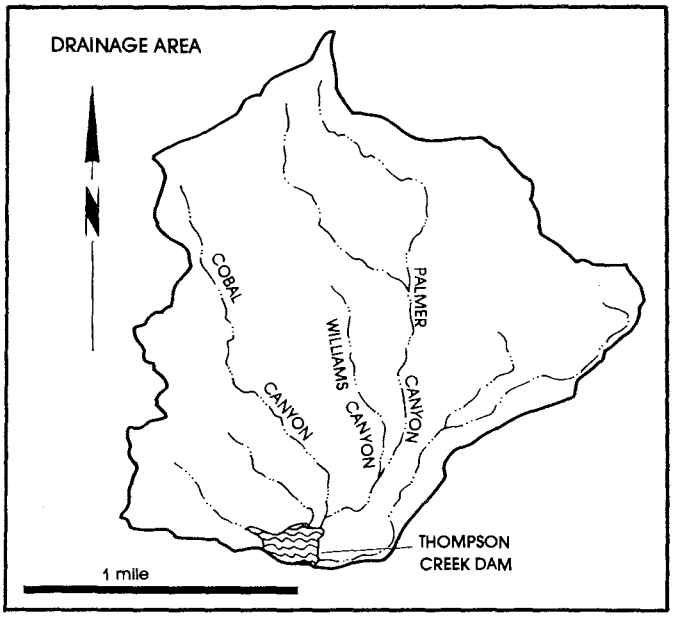
LIVE OAK DAM

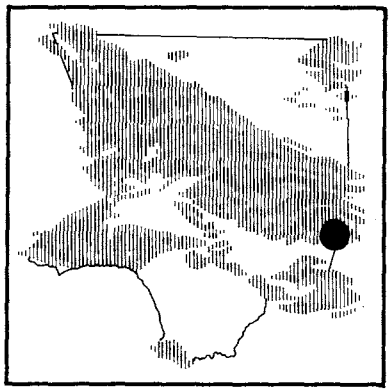
YEARLY RESERVOIR OPERATION SUMMARY

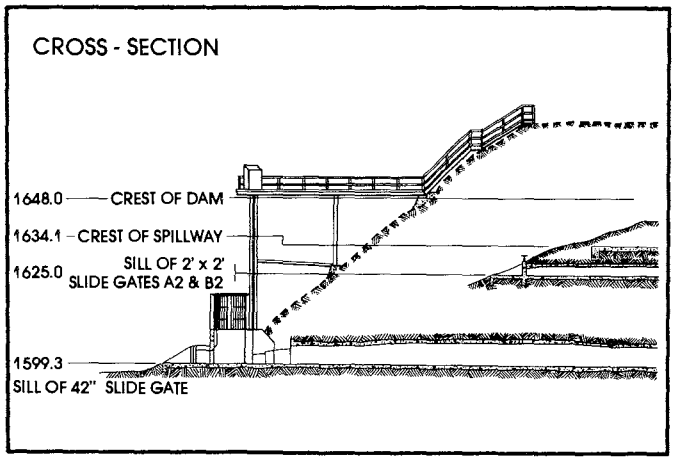
SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK MO	PEAK DAY	PEAK INFLOW CFS
1932-33	0	0	0	0			0
1933-34	N.D.	N.D.	N.D	142			N.D.
1934-35	27	2.3	0	27	4	8	16
1935-36	N.D.	4.1	0	0			N.D.
1936-37	494	35	0	413	2	6	0
1937-38	800	147	0	785	3	2	339
1938-39	21	1.0	0	3.2	2	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	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
1972-73	291	34	0	290	2	11	52
1973-74	132	13	0	132	1	7	31
1974-75	71	2.0	0	61	3	6	14
1975-76	30	2.5	0	24	3	1	7.2
1976-77	32	2.0	0	33	1	3	13
1977-78	1517	70.9	0	1517	3	4	187
1978-79	655	18.1	0	655	3	27	43.4
1979-80	R.I.						

N.D. = NOT DETERMINED
R.I. = RECORDS INCOMPLETE
+ = LESS THAN 0.05 ACRE FEET OR LESS THAN 0.05 CFS, BUT GREATER THAN 0.

THOMPSON CREEK DAM
AND RESERVOIR







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 feet.

RECORDS INCOMPLETE

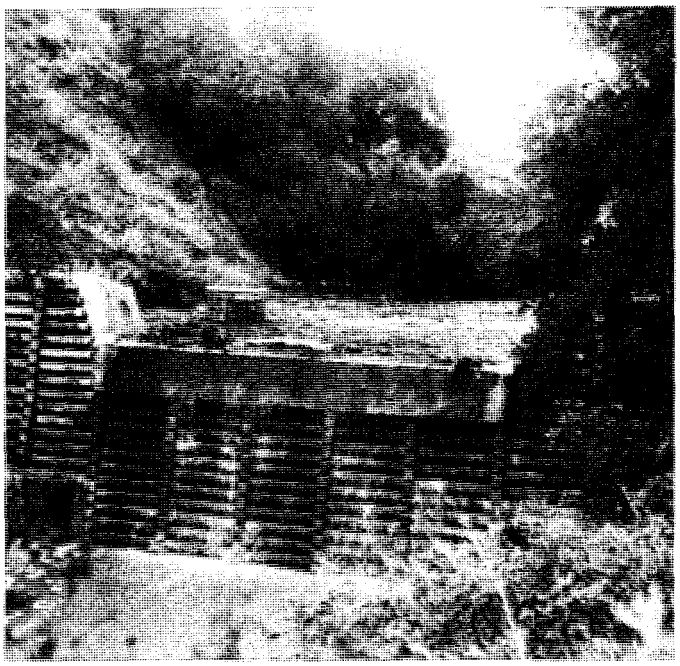
THOMPSON CREEK DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK MO	PEAK DAY	PEAK INFLOW 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	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	0.3	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
1972-73	161	34	0	7.5	2	11	58
1973-74	37	10	0	37	1	7	29
1974-75	0	0	0	0			0
1975-76	15	3.5	0	0	2	29	3.5
1976-77	37	6.8	0	0			N.D.
1977-78	R.I.						
1978-79	R.I.						
1979-80	R.I.						

N.D. = NOT DETERMINED
R.I. = RECORDS INCOMPLETE
+ = LESS THAN 0.05 ACRE FEET OR LESS THAN 0.05 CFS, BUT GREATER THAN 0.

EROSION CONTROL



EROSION CONTROL

Each year eroded material in various forms (trees, rock, sand, etc.) flows out of the mountain watersheds of Los Angeles County. In an effort to control this potentially disruptive force, the District maintains a series of debris basins in canyon mouths and upstream stabilization structures in selected watersheds.

PURPOSE

The purpose of a debris basin is to entrap the debris flows emanating from the canyon and let the relatively desilted water pass into flood control channels for transportation to a safe location.

In the 1977-78 water year, 96 debris basins were in operation, 95 of which were operated and maintained by the District. This figure represents an increase of one debris basin over the previous year. Laurel Ridge was added to the list of District facilities during the year. The maximum capacity of all 96 basins was 8,629,100 cubic yards, of which 7,574,000 cubic yards were available at the end of the water year.

In the 1978-79 water year, the number of debris basins in operation increased by one to 97. Dry Canyon - South Fork was added to the list of District facilities during the year. Ninety-six of the basins were operated and maintained by the District. The maximum capacity of all 97 debris basins was 8,612,300 cubic yards, of which 7,609,400 cubic yards were available at the end of the water year. This year's decrease in total maximum capacity of all debris basins was due to revisions done to five debris basins.

In the 1979 - 80 water year, the number of debris basins in operation remained the same, 97. The same 96 debris basins as in the 1978 -79 water year were operated and maintained by the District. The maximum capacity of all 97 debris basins was 7,501,800 cubic yards, of which 6,815,200 cubic yards were available at the end of the water year. The change in maximum storage and available capacities was due to the revised criteria of the debris cone slope from 60 percent to 50 percent of the natural slope.

Haines Debris Basin is operated and maintained by the Corps of Engineers.

STABILIZATION STRUCTURES

Stabilization structures are constructed to control erosion in natural canyons. They serve to prevent downcutting by stabilizing alluvium deposits. In addition, they store debris generated by the watershed and serve to stabilize side banks, reducing side slope sloughing and bank erosion.

The District maintains 225 stabilization structures in 47 major watersheds. No structures have been constructed since the 1973 - 74 water year.

EMERGENCY STRUCTURES

Emergency structures (rail and timber, and crib type) are constructed to entrap the debris inflow from burned watersheds. They serve to protect the existing structures (road, channel, residence, etc.) located immediately downstream of the watersheds. The District maintains 30 emergency structures of which the total maximum capacity is 292,400 cubic yards.

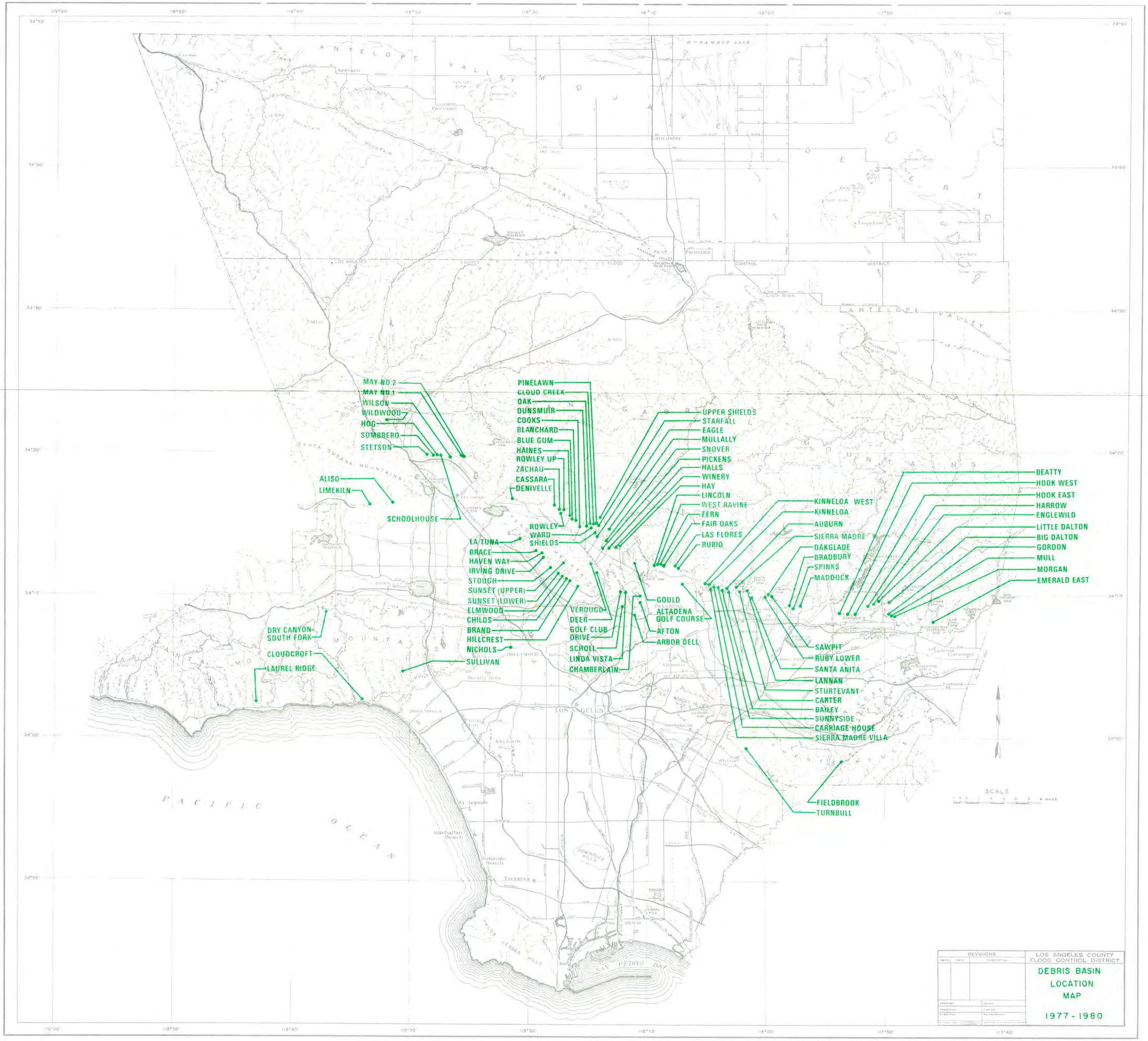

MAY NO 2
MAY NO 1
WILSON
WILDWOOD
HOG
SOMBRERO
STETSON
ALISO
LIMEKILN
SCHOOLHOUSE
DRY CANYON SOUTH FORK
CLOUDCROFT
LAUREL RIDGE
PINELAWN
CLOUD CREEK
OAK
DUNSMUIR
COOKS
BLANCHARD
BLUE GUM
HAINES
ROWLEY UP
ZACHAU
CASSARA
DENIVELLE
ROWLEY
WARD
SHIELDS
LA TUNA
BRACE
HAVEN WAY
IRVING DRIVE
STOUGH
SUNSET (UPPER)
SUNSET (LOWER)
ELMWOOD
CHILDS
BRAND
HILLCREST
NICHOLS
SULLIVAN
VERDUGO
DEER
GOLF CLUB DRIVE
SCHOLL
LINDA VISTA
CHAMBERLAIN
GOULD
ALTADENA GOLF COURSE
AFTON
ARBOR DELL
UPPER SHIELDS
STARFALL
EAGLE
MULLALLY
SNOVER
PICKENS
HALLS
WINERY
HAY
LINCOLN
WEST RAVINE
FERN
FAIR OAKS
LAS FLORES
RUBIO
KINNELOA WEST
KINNELOA
AUBURN
SIERRA MADRE
OAKGLADE
BRADBURY
SPINKS
MADDOCK
SAWPIT
RUBY LOWER
SANTA ANITA
LANNAN
STURTEVANT
CARTER
BAILEY
SUNNYSIDE
CARRIAGE HOUSE
SIERRA MADRE VILLA
FIELDBROOK
TURNBULL
BEATTY
HOOK WEST
HOOK EAST
HARROW
ENGLEWILD
LITTLE DALTON
BIG DALTON
GORDON
MULL
MORGAN
EMERALD EAST
ANTELOPE VALLEY
MOJAVE DESERT
SAN GABRIEL MOUNTAINS
SANTA SUSANA MOUNTAINS
PACIFIC OCEAN
SAN PEDRO BAY
LOS ANGELES
SCALE
REVISIONS
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
DEBRIS BASIN LOCATION MAP
1977 - 1980

PLATE E1

DEBRIS BASIN - PRODUCTION HISTORY
1977 - 1978 SEASON

DEBRIS BASIN	FIRST DEBRIS SEASON	NUMBER OF SEASONS	TOTAL DEBRIS DEPOSITED CU. YDS. (1)	UNCONTROLLED DRAINAGE AREA ABOVE BASIN SQ. MI.	MAX.DEB. CAP. CU. YDS.	MAXIMUM SEASONAL DEBRIS PRODUCTION		
						CU. YDS.	CU. YDS. PER SQ. MI.	SEASON
Afton	1974-75	4	1,000	0.06	8,000	800	13,800	1974-75
Aliso	1970-71	8	66,800	2.77	41,700	26,900	11,100	1982-83
Alta Dena Golf Course	1945-46	33	29,000	0.20	12,500	3,800	18,900	1958-59
Arbor Dell	1971-72	7	600	0.11	16,800	600	5,100	1977-78
Auburn	1954-55	14	49,600	0.19	46,800	20,100	105,900	1961-62
Bailey	1945-46	33	112,300	0.60	158,000	35,800	151,700	1953-54
Beatty	1970-71	8	3,600	0.27	54,700	1,800	59,600	1979-80
Big Dalton	1959-60	19	720,300	2.62	616,900	296,700	6,800	1968-69
Blanchard	1968-69	10	59,900	0.50	81,200	36,400	73,200	1977-78
Blue Gum	1968-69	10	33,400	0.19	48,300	19,100	100,600	1977-78
Brace	1971-72	7	15,100	0.29	36,400	12,000	41,300	1977-78
Bradbury	1954-55	24	183,500	0.68	90,000	70,200	103,300	1968-69
Brand	1935-36	43	207,200	1.03	208,200	53,100	51,600	1977-78
Carriage House	1970-71	8	200	0.03	14,300	200	5,900	1972-73
Carter	1954-55	24	20,000	0.12	22,000	11,200	93,000	1961-62
Cassara	1976-77	2	16,800	0.21	32,600	16,800	80,000	1977-78
Chamberlain	1974-75	4	500	0.04	8,100	300	7,900	1974-75
Childs	1963-64	15	28,500	0.31	54,000	8,200	26,600	1964-65
Cloud Creek	1972-73	6	2,500	0.02	19,800	1,800	91,600	1977-78
Cloudcroft	1973-74	5	8,000	0.21	42,000	6,100	28,900	1973-74
Cooks	1951-52	27	108,700	0.58	47,500	61,200	105,600	1977-78
Deer	1954-55	24	141,500	0.59	66,700	44,200	74,900	1968-69
Denivelle	1976-77	2	5,500	0.18	9,800	5,500	30,400	1977-78
Dunsmuir	1935-36	43	290,100	0.84	124,500	86,200	102,600	1977-78
Eagle	1936-37	42	190,400	0.48	72,400	41,700	68,300	1937-38
Elmwood	1964-65	14	22,300	0.31	66,300	12,200	39,200	1964-65
Emerald-East	1964-65	14	6,100	0.16	14,300	1,600	10,000	1968-69
Englewild	1961-62	17	72,600 (2)	0.40	46,000	60,200	150,500 (2)	1968-69
Fair Oaks	1935-36	43	107,900	0.21	28,500	15,700	74,800	1935-36
Fern	1935-36	43	154,900	0.30	34,000	23,900	79,600	1968-69
Fieldbrook	1974-75	4	500	0.35	3,700	500	1,400	1977-78
Golf Club Drive	1970-71	8	13,200	0.32	15,600	6,200	19,300	1977-78
Gordon	1973-74	5	3,800	0.18	20,300	3,800	21,200	1977-78
Gould	1947-48	31	107,000	0.47	53,900	18,000	38,300	1965-66
Haines	1935-36	43	261,000	1.53	158,600	51,500	33,700	1937-38
Halls	1935-36	43	509,200	1.06	99,600	102,100	96,300	1937-38
Harrow	1958-59	20	72,300 (2)	0.43	88,300	63,400	147,400 (2)	1968-69
Haven Way	1971-72	7	1,200	0.22	14,600	900	4,200	1977-78
Hay	1936-37	42	60,000	0.20	39,800	18,200	63,000	1937-38
Hillcrest	1962-63	16	40,500	0.35	71,700	11,700	33,300	1964-65
Hog	1969-70	9	3,800	0.30	48,100	3,800	12,800	1977-78
Hook East	1968-69	10	43,300 (2)	0.18	29,000	40,200	223,100 (2)	1968-69
Hook West	1970-71	8	1,800	0.17	52,100	1,800	10,800	1977-78
Irving Drive	1974-75	4	300	0.03	2,500	600	12,200	1977-78
Kinnelon	1964-65	14	46,300 (2)	0.20	18,400	17,600	88,100 (2)	1968-69
Kinnelon-west	1966-67	12	50,900 (2)	0.16	28,800	22,200	138,500 (2)	1968-69
Lannan	1954-55	24	74,100	0.25	56,500	18,200	73,000	1969-70
Las Flores	1935-36	43	168,600	0.45	63,600	36,000	80,000	1937-38
La Tuna	1955-56	24	354,900	5.34	518,400	172,000	32,200	1977-78
Laurel Ridge	1977-78	1	200	0.03	4,500	200	5,300	1979-80
Limekiln	1963-64	15	199,800	3.69	198,200	42,300	11,500	1965-66
Lincoln	1935-36	43	120,000	0.50	42,000	28,400	56,800	1968-69
Linda Vista	1970-71	8	5,600	0.37	4,000	3,400	9,200	1977-78
Little Dalton	1959-60	19	815,400	3.31	733,500	337,800	102,100	1968-69
Maddock	1954-55	24	31,800	0.25	32,600	11,000	43,800	1968-69
May No. 1	1953-54	25	188,600	0.70	78,500	26,300	91,900	1966-67
May No. 2	1953-54	25	24,800	0.09	12,800	6,200	68,600	1966-67
Morgan	1964-65	14	17,800	0.60	49,000	12,900	21,500	1968-69
Mull	1973-74	5	900	0.15	19,500	900	6,000	1977-78
Mullally	1974-75	4	37,600 (4)	0.34	14,300	24,400	71,900 (4)	1977-78
Nichols	1937-38	41	108,100	0.94	15,500	21,800	23,200	1951-52
Oak	1975-76	3	10,400	0.05	9,000	6,900	138,200	1977-78
Oakglade	1974-75	4	1,200	0.06	15,900	1,200	20,700	1977-78
Pickens	1935-36	43	655,200	1.50	138,200	140,600	93,700	1977-78
Pinelawn	1973-74	5	3,500	0.02	7,400	1,200	60,000	1976-77
Rowley	1953-54	25	64,000 (4)	0.27	44,900	16,700	61,700 (4)	1977-78
Rowley (Upper)	1976-77	2	40,700 (4)	0.31	28,600	31,900	102,800 (4)	1977-78
Rubio	1943-44	35	140,600	1.26	152,300	55,000	43,700	1968-69
Ruby (Lower)	1955-56	23	17,000	0.28	32,400	8,300	29,700	1968-69
Santa Anita	1959-60	19	602,100 (2,3)	1.70	478,600	132,000	77,600 (2,3)	1961-62
Sawpit	1954-55	24	570,100 (2,3)	2.78	740,800	233,800	82,300 (2,3)	1968-69
Scholl	1945-46	33	15,100	0.66	13,700	3,500	5,200	1968-69
Schoolhouse	1962-63	16	33,600	0.28	78,600	21,600	77,200	1962-63
Shields	1937-38	41	127,700 (3)	0.03	40,000	29,600	130,200	1937-38
Sierra Madre	1927-28	51	330,400 (2)	2.39	160,000	95,200	39,800 (2)	1968-69
Sierra Madre Villa	1957-58	21	400,100	1.46	491,000	118,600	81,200	1961-62
Snover	1936-37	42	91,100	0.23	26,100	21,100	91,700	1938-39
Sombrero	1969-70	9	3,300	1.06	97,100	3,300	3,100	1977-78
Spinks	1958-59	20	44,500	0.44	64,600	16,400	37,200	1968-69
Starfall	1973-74	5	23,900	0.13	32,100	14,200	109,200	1977-78
Stetson	1969-70	9	2,700	0.29	48,100	1,500	5,300	1977-78
Stough	1940-41	38	147,200	1.65	186,700	44,100	26,700	1964-65
Sturtevant	1967-68	11	1,100	0.03	2,700	500	16,900	1977-78
Sullivan	1970-71	8	34,400	2.38	62,900	21,100	8,900	1977-78
Sunnyside	1970-71	8	400	0.02	4,400	300	12,900	1977-78
Sunset (Lower)	1963-64	15	87,600	0.65	228,300	23,100	35,600	1977-78
Sunset (Upper)	1928-29	50	101,000	0.44	17,700	27,000	61,400	1964-65
Turnbull	1952-53	26	39,000 (2)	0.99	27,300	15,900	16,000 (2)	1968-69
Upper Shields	1976-77	2	24,800 (4)	0.20	6,900	(5)	(5)	
Verdugo	1935-36	43	742,200	9.40	155,500	94,700	10,100	1977-78
Ward	1956-57	22	40,300	0.12	13,300	17,800	148,100	1977-78
West Ravine	1935-36	43	144,100	0.25	52,700	29,900	119,500	1937-38
Wildwood	1967-68	11	47,700	0.65	23,400	16,700	25,700	1977-78
Wilson	1962-63	16	180,600	2.58	363,000	55,500	21,500	1968-69
Winery	1968-69	10	16,100	0.18	32,500	9,400	52,200	1968-69
Zachau	1956-57	22	92,600 (4)	0.35	44,000	48,100	137,300 (4)	1977-78
96 DEBRIS BASSINS			10,897,800		72.75	8,631,100		

(1) VOLUME OF DEBRIS DEPOSITED IN BASINS DOES NOT INCLLUDE DEBRIS SLUICED THROUGH OPEN PORTS OR NOTCH.
(2) VOLUME OF DEBRIS DEPOSITED DOES NOT INCLUDE DEBRIS WHICH PASSED OVER THE SPILLWAY DURING THE STORMS IN 1968-69 SEASON.
(3) INCLUDING DEBRIS FROM THE UPSTREAM BASIN OR DAM.
(4) VOLUME OF DEBRIS DEPOSITED DOES NOT INCLUDE DEBRIS WHICH PASSED OVER THE SPILLWAY DURING THE STORMS IN 1977-78 SEASON.
(5) INCLUDED WITH SHIELDS DEBRIS BASIN.

DEBRIS BASIN - PRODUCTION HISTORY
1978 - 1979 SEASON

DEBRIS BASIN	FIRST DEBRIS SEASON	NUMBER OF SEASONS	TOTAL DEBRIS DEPOSITED CU. YDS. (1)	UNCONTROLLED DRAINAGE AREA ABOVE BASIN SQ. MI.	MAX.DEB. CAP. CU. YDS.	MAXIMUM SEASONAL DEBRIS PRODUCTION CU. YDS.	CU. YDS. PER SQ. MI.	SEASON
Afton	1974-75	5	1,000	0.06	8,000	800	13,800	1974-75
Aliso	1970-71	9	74,500	2.77	41,700	26,900	11,100	1982-83
Alta Dena Golf Course	1945-46	34	29,000	0.20	12,500	3,800	18,900	1958-59
Arbor Dell	1971-72	8	600	0.11	16,800	600	5,100	1977-78
Auburn	1954-55	15	64,600	0.19	46,800	20,100	105,900	1961-62
Bailey	1945-46	34	139,300	0.60	158,000	35,800	151,700	1953-54
Beatty	1970-71	9	3,600	0.27	54,700	1,800	59,600	1979-80
Big Dalton	1959-60	20	720,300	2.62	616,900	296,700	6,800	1968-69
Blanchard	1968-69	11	60,000	0.50	81,200	36,600	73,200	1977-78
Blue Gum	1968-69	11	33,900	0.19	48,300	19,100	100,600	1977-78
Brace	1971-72	8	16,100	0.29	36,400	12,000	41,300	1977-78
Bradbury	1954-55	25	183,500	0.68	77,500	70,200	103,300	1968-69
Brand	1935-36	44	208,000	1.03	208,200	53,100	51,600	1977-78
Carriage House	1970-71	9	1,000	0.03	13,300	800	27,400	1978-79
Carter	1954-55	25	23,200	0.12	22,000	11,200	93,000	1961-62
Cassara	1976-77	3	16,800	0.21	32,600	16,800	80,000	1977-78
Chamberlain	1974-75	5	500	0.04	8,100	300	7,900	1974-75
Childs	1963-64	16	28,800	0.31	54,000	8,200	26,600	1964-65
Cloud Creek	1972-73	7	2,500	0.02	19,800	1,800	91,600	1977-78
Cloudcroft	1973-74	6	8,000	0.21	42,000	6,100	28,900	1973-74
Cooks	1951-52	28	108,700	0.58	47,500	61,200	105,600	1977-78
Deer	1954-55	25	142,600	0.59	66,700	44,200	74,900	1968-69
Denivelle	1976-77	3	5,500	0.18	9,800	5,500	30,400	1977-78
Dry Canyon-South Fork	1978-79	1	neg	1.05	9,600	neg	neg	N/A
Dunsmuir	1935-36	44	291,700	0.84	124,500	86,200	102,600	1977-78
Eagle	1936-37	43	190,400	0.48	72,400	41,700	68,300	1937-38
Elmwood	1964-65	15	22,300	0.31	66,300	12,200	39,200	1964-65
Emerald-East	1964-65	15	6,200	0.16	14,500	1,600	10,000	1968-69
Englewild	1961-62	18	72,600 (2)	0.40	46,000	60,200	150,500 (2)	1968-69
Fair Oaks	1935-36	44	107,900	0.21	28,500	15,700	74,800	1935-36
Fern	1935-36	44	154,900	0.30	34,000	23,900	79,600	1968-69
Fieldbrook	1974-75	5	600	0.35	3,700	500	1,400	1977-78
Golf Club Drive	1970-71	9	14,700	0.32	15,600	6,200	19,300	1977-78
Gordon	1973-74	6	3,800	0.18	20,300	3,800	21,200	1977-78
Gould	1947-48	32	107,000	0.47	53,900	18,000	38,300	1965-66
Haines	1935-36	44	188,000	1.53	158,600	51,500	33,700	1937-38
Halls	1935-36	44	509,200	1.06	99,600	102,100	96,300	1937-38
Harrow	1958-59	21	73,500 (2)	0.43	88,300	63,400	147,400 (2)	1968-69
Haven Way	1971-72	8	1,200	0.22	14,600	900	4,200	1977-78
Hay	1936-37	43	60,900	0.20	39,800	18,200	63,000	1937-38
Hillcrest	1962-63	17	42,200	0.35	71,700	11,700	33,300	1964-65
Hog	1969-70	10	3,800	0.30	48,100	3,800	12,800	1977-78
Hook East	1968-69	11	43,300 (2)	0.18	29,000	40,200	223,100 (2)	1968-69
Hook West	1970-71	9	1,800	0.17	52,100	1,800	10,800	1977-78
Irving Drive	1974-75	5	300	0.03	2,500	600	12,200	1977-78
Kinneloa	1964-65	15	46,300 (2)	0.20	18,400	17,600	88,100 (2)	1968-69
Kinneloa-West	1966-67	13	51,100 (2)	0.16	28,800	22,200	138,500 (2)	1968-69
Lannan	1954-55	25	74,100	0.25	56,500	18,200	73,000	1969-70
Las Flores	1935-36	44	168,600	0.45	63,600	36,000	80,000	1937-38
La Tuna	1955-56	24	361,400	5.34	518,400	172,000	32,200	1977-78
Laurel Ridge	1977-78	2	200	0.03	2,500	200	5,300	1979-80
Limekiln	1963-64	16	208,300	3.69	198,200	42,300	11,500	1965-66
Lincoln	1935-36	44	120,000	0.50	42,000	28,400	56,800	1968-69
Linda Vista	1970-71	9	5,700	0.37	4,000	3,400	9,200	1977-78
Little Dalton	1959-60	20	815,400	3.31	733,500	337,800	102,100	1968-69
Maddock	1954-55	25	31,800	0.25	32,600	11,000	43,800	1968-69
May No. 1	1953-54	26	189,700	0.70	78,500	26,300	91,900	1966-67
May No. 2	1953-54	26	24,800	0.09	12,800	6,200	68,600	1966-67
Morgan	1964-65	15	18,400	0.60	49,000	12,900	21,500	1968-69
Mull	1973-74	6	900	0.15	19,500	900	6,000	1977-78
Mullally	1974-75	5	38,100 (4)	0.34	14,300	24,400	71,900 (4)	1977-78
Nichols	1937-38	42	110,200	0.94	15,500	21,800	23,200	1951-52
Oak	1975-76	4	11,000	0.05	9,000	6,900	138,200	1977-78
Oakglade	1974-75	5	1,200	0.06	15,900	1,200	20,700	1977-78
Pickens	1935-36	44	655,200	1.50	138,200	140,600	93,700	1977-78
Pinelawn	1973-74	6	3,500	0.02	7,400	1,200	60,000	1976-77
Rowley	1953-54	26	64,000 (4)	0.27	44,900	16,700	61,700 (4)	1977-78
Rowley (Upper)	1976-77	3	41,700 (4)	0.31	28,600	31,900	102,800 (4)	1977-78
Rubio	1943-44	36	140,600	1.26	152,300	55,000	43,700	1968-69
Ruby (Lower)	1955-56	24	17,100	0.28	32,400	8,300	29,700	1968-69
Santa Anita	1959-60	20	602,500 (2,3)	1.70	478,600	132,000	77,600 (2,3)	1961-62
Sawpit	1954-55	25	570,100 (2,3)	2.78	740,800	233,800	82,300 (2,3)	1968-69
Scholl	1945-46	34	15,100	0.66	13,700	3,500	5,200	1968-69
Schoolhouse	1962-63	17	33,600	0.28	78,600	21,600	77,200	1962-63
Shields	1937-38	42	127,700 (3)	0.03	40,000	29,600	130,200	1937-38
Sierra Madre	1927-28	52	330,700 (2)	2.39	160,000	95,200	39,800 (2)	1968-69
Sierra Madre Villa	1957-58	22	400,100	1.46	491,000	118,600	81,200	1961-62
Snover	1936-37	43	91,100	0.23	26,100	21,100	91,700	1938-39
Sombrero	1969-70	10	3,300	1.06	97,100	3,300	3,100	1977-78
Spinks	1958-59	21	44,500	0.44	64,600	16,400	37,200	1968-69
Starfall	1973-74	6	23,900	0.13	23,500	14,200	109,200	1977-78
Stetson	1969-70	10	2,700	0.29	48,100	1,500	5,300	1977-78
Stough	1940-41	39	148,900	1.65	186,700	44,100	26,700	1964-65
Sturtevant	1967-68	12	1,100	0.03	2,700	500	16,900	1977-78
Sullivan	1970-71	9	36,700	2.38	58,000	21,100	8,900	1977-78
Sunnyside	1970-71	9	1,200	0.02	5,000	800	41,000	1978-79
Sunset (Lower)	1963-64	16	91,000	0.65	228,300	23,100	35,600	1977-78
Sunset (Upper)	1928-29	51	102,900	0.44	17,700	27,000	61,400	1964-65
Turnbull	1952-53	27	39,400 (2)	0.99	27,300	15,900	16,000 (2)	1968-69
Upper Shields	1976-77	3	24,800 (4)	0.20	6,900	(5)	(5)	
Verdugo	1935-36	44	742,200	9.40	155,500	94,700	10,100	1977-78
Ward	1956-57	23	40,700	0.12	13,300	17,800	148,100	1977-78
West Ravine	1935-36	44	144,700	0.25	52,700	29,900	119,500	1937-38
Wildwood	1967-68	12	52,200	0.65	23,400	16,700	25,700	1977-78
Wilson	1962-63	17	180,000	2.58	363,000	55,500	21,500	1968-69
Winery	1968-69	11	17,000	0.18	32,500	9,400	52,200	1968-69
Zachau	1956-57	23	92,500 (4)	0.35	44,000	48,100	137,300 (4)	1977-78
97 DEBRIS BASSINS			10,928,200	73.80		8,612,300		

(1) VOLUME OF DEBRIS DEPOSITED IN BASINS DOES NOT INCLLUDE DEBRIS SLUICED THROUGH OPEN PORTS OR NOTCH.
(2) VOLUME OF DEBRIS DEPOSITED DOES NOT INCLUDE DEBRIS WHICH PASSED OVER THE SPILLWAY DURING THE STORMS IN 1968-69 SEASON.
(3) INCLUDING DEBRIS FROM THE UPSTREAM BASIN OR DAM.
(4) VOLUME OF DEBRIS DEPOSITED DOES NOT INCLUDE DEBRIS WHICH PASSED OVER THE SPILLWAY DURING THE STORMS IN 1977-78 SEASON.
(5) INCLUDED WITH SHIELDS DEBRIS BASIN.

DEBRIS BASIN - PRODUCTION HISTORY
1979 - 1980 SEASON

DEBRIS BASIN	FIRST DEBRIS SEASON	NUMBER OF SEASONS	TOTAL DEBRIS DEPOSITED CU. YDS. (1)	UNCONTROLLED DRAINAGE AREA ABOVE BASIN SQ. MI.	MAX.DEB. CAP. CU. YDS. (6)	MAXIMUM SEASONAL DEBRIS PRODUCTION CU. YDS.	CU. YDS. PER SQ. MI.	SEASON
Afton	1974-75	6	1,000	0.06	7,200	800	13,800	1974-75
Aliso	1970-71	10	92,900	2.77	64,200	26,900	11,100	1982-83
Alta Dena Golf Course	1945-46	35	31,000	0.20	12,400	3,800	18,900	1958-59
Arbor Dell	1971-72	9	1,400	0.11	12,800	800	7,600	1979-80
Auburn	1954-55	16	84,400	0.19	35,900	20,100	105,900	1961-62
Bailey	1945-46	35	230,300	0.60	137,600	91,000	151,700	1979-80
Beatty	1970-71	10	11,200	0.27	43,000	7,600	28,300	1979-80
Big Dalton	1959-60	21	822,000	2.62	534,400	296,700	113,200	1968-69
Blanchard	1968-69	12	67,300	0.50	75,300	36,600	73,200	1977-78
Blue Gum	1968-69	12	36,400	0.19	39,600	19,100	100,600	1977-78
Brace	1971-72	9	19,000	0.29	27,500	12,000	41,300	1977-78
Bradbury	1954-55	26	200,800	0.68	90,500	70,200	103,300	1968-69
Brand	1935-36	45	230,700	1.03	170,700	53,100	51,600	1977-78
Carriage House	1970-71	10	4,700	0.03	10,400	3,400	114,700	1979-80
Carter	1954-55	26	35,700	0.12	18,700	12,600	104,700	1979-80
Cassara	1976-77	4	20,700	0.21	27,200	16,800	80,000	1977-78
Chamberlain	1974-75	6	500	0.04	6,600	300	7,900	1974-75
Childs	1963-64	17	30,900	0.31	47,800	8,200	26,600	1964-65
Cloud Creek	1972-73	8	2,700	0.02	14,800	1,800	91,600	1977-78
Cloudcroft	1973-74	7	10,300	0.21	31,800	6,100	28,900	1973-74
Cooks	1951-52	29	112,000	0.58	38,400	61,200	105,600	1977-78
Deer	1954-55	26	149,200	0.59	56,600	44,200	74,900	1968-69
Denivelle	1976-77	4	7,800	0.18	8,200	5,500	30,400	1977-78
Dry Canyon-South Fork	1978-79	2	5,300	1.05	7,900	5,300	5,100	1979-80
Dunsmuir	1935-36	45	310,900	0.84	110,900	86,200	102,600	1977-78
Eagle	1936-37	44	195,300	0.48	56,600	41,700	68,300	1937-38
Elmwood	1964-65	16	27,600	0.31	61,900	12,200	39,200	1964-65
Emerald-East	1964-65	16	6,900	0.16	13,900	1,600	10,000	1968-69
Englewild	1961-62	19	85,100 (2)	0.40	36,900	60,200	150,500 (2)	1968-69
Fair Oaks	1935-36	45	108,200	0.21	25,200	15,700	74,800	1935-36
Fern	1935-36	45	157,000	0.30	30,600	23,900	79,600	1968-69
Fieldbrook	1974-75	6	900	0.35	3,300	500	1,400	1977-78
Golf Club Drive	1970-71	10	26,400	0.32	14,700	11,600	36,300	1979-80
Gordon	1973-74	7	4,500	0.18	16,800	3,800	21,200	1977-78
Gould	1947-48	33	110,300	0.47	49,600	18,000	38,300	1965-66
Haines	1935-36	45	204,800	1.53	150,500	51,500	33,700	1937-38
Halls	1935-36	45	540,800	0.86	94,500	102,100	96,300	1937-38
Harrow	1958-59	22	76,800 (2)	0.43	68,000	63,400	147,400 (2)	1968-69
Haven Way	1971-72	9	1,200	0.22	18,800	900	4,200	1977-78
Hay	1936-37	44	60,900	0.20	36,100	18,200	63,000	1937-38
Hillcrest	1962-63	18	43,500	0.35	54,400	11,700	33,300	1964-65
Hog	1969-70	11	6,400	0.30	41,900	3,800	12,800	1977-78
Hook East	1968-69	12	45,700 (2)	0.18	23,300	40,200	223,100 (2)	1968-69
Hook West	1970-71	10	5,400	0.17	39,600	3,600	21,200	1979-80
Irving Drive	1974-75	6	300	0.03	2,100	600	12,200	1977-78
Kinneloa	1964-65	16	48,300 (2)	0.20	17,200	17,600	88,100 (2)	1968-69
Kinneloa-west	1966-67	14	54,400 (2)	0.16	23,600	22,200	138,500 (2)	1968-69
Lannan	1954-55	26	83,100	0.25	44,600	18,200	73,000	1967-68
Las Flores	1935-36	45	204,200	0.45	57,600	36,000	80,000	1937-38
La Tuna	1955-56	25	437,900	5.34	482,300	172,000	32,200	1977-78
Laurel Ridge	1977-78	3	300	0.03	2,500	200	5,600	1979-80
Limekiln	1963-64	17	229,900	3.69	167,900	42,300	11,500	1965-66
Lincoln	1935-36	45	123,500	0.50	38,400	28,400	56,800	1968-69
Linda Vista	1970-71	10	8,500	0.37	3,200	3,400	9,200	1977-78
Little Dalton	1959-60	21	889,300	3.31	656,500	337,800	102,100	1968-69
Maddock	1954-55	26	37,200	0.25	27,800	11,000	43,800	1968-69
May No. 1	1953-54	27	191,900	0.70	64,000	26,300	91,900	1966-67
May No. 2	1953-54	27	25,300	0.09	10,500	6,200	68,600	1966-67
Morgan	1964-65	16	24,200	0.60	44,100	12,900	21,500	1968-69
Mull	1973-74	7	2,000	0.15	16,000	1,100	7,500	1979-80
Mullally	1974-75	6	42,000 (4)	0.34	12,000	24,400	71,900 (4)	1977-78
Nichols	1937-38	43	120,400	0.94	13,100	21,800	23,200	1951-52
Oak	1975-76	5	12,300	0.05	7,700	6,900	138,200	1977-78
Oakglade	1974-75	6	1,500	0.06	12,300	1,200	20,700	1977-78
Pickens	1935-36	45	682,700	1.50	131,400	140,600	93,700	1977-78
Pinelawn	1973-74	7	4,500	0.02	5,800	1,200	60,000	1976-77
Rowley	1953-54	27	65,900 (4)	0.27	34,300	16,700	61,700 (4)	1977-78
Rowley (Upper)	1976-77	4	47,300 (4)	0.31	32,900	31,900	102,800 (4)	1977-78
Rubio	1943-44	37	247,500	1.26	127,200	133,000	105,600	1979-80
Ruby (Lower)	1955-56	25	20,400	0.28	28,600	8,300	29,700	1968-69
Santa Anita	1959-60	21	623,500 (2,3)	1.70	393,900	132,000	77,600 (2,3)	1961-62
Sawpit	1954-55	26	626,400 (2,3)	2.78	644,500	233,800	82,300 (2,3)	1968-69
Scholl	1945-46	35	15,900	0.66	11,100	3,500	5,200	1968-69
Schoolhouse	1962-63	18	33,600	0.28	66,700	21,600	77,200	1962-63
Shields	1937-38	43	131,000 (3)	0.03	34,800	29,600	130,200	1937-38
Sierra Madre	1927-28	53	361,200 (2)	2.39	136,600	95,200	339,800 (2)	1968-69
Sierra Madre Villa	1957-58	23	493,900	1.46	402,700	118,600	81,200	1961-62
Snover	1936-37	44	95,300	0.23	23,400	21,100	91,700	1938-39
Sombrero	1969-70	11	3,300	1.06	88,300	3,300	3,100	1977-78
Spinks	1958-59	22	53,900	0.44	70,200	16,400	37,200	1968-69
Starfall	1973-74	7	24,900	0.13	18,400	14,200	109,200	1977-78
Stetson	1969-70	11	4,200	0.29	40,000	1,500	5,300	1977-78
Stough	1940-41	40	148,900	1.65	181,200	44,100	26,700	1964-65
Sturtevant	1967-68	13	1,200	0.03	2,300	500	14,900	1977-78
Sullivan	1970-71	10	72,000	2.38	45,800	35,300	14,800	1979-80
Sunnyside	1970-71	10	1,700	0.02	4,300	800	41,000	1978-79
Sunset (Lower)	1963-64	17	100,800	0.65	160,600	23,100	35,600	1977-78
Sunset (Upper)	1928-29	52	116,800	0.44	15,900	27,900	61,400	1964-65
Turnbull	1952-53	28	43,700 (2)	0.99	20,300	15,900	16,000 (2)	1968-69
Upper Shields	1976-77	4	32,300 (4)	0.20	5,700	(5)	(5)	
Verdugo	1935-36	45	780,500	9.40	136,700	94,700	10,100	1977-78
Ward	1956-57	24	45,400	0.12	12,400	17,800	148,100	1977-78
West Ravine	1935-36	45	146,700	0.25	46,800	29,900	119,500	1937-38
Wildwood	1967-68	13	60,400	0.65	22,500	16,700	25,700	1977-78
Wilson	1962-63	18	185,300	2.58	316,900	55,500	21,500	1968-69
Winery	1968-69	12	19,000	0.18	29,200	9,400	52,200	1968-69
Zachau	1956-57	24	101,700 (4)	0.35	40,000	48,100	137,300 (4)	1977-78
97 DEBRIS BASSINS			12,155,100	73.60	7,501,800			

(1) VOLUME OF DEBRIS DEPOSITED IN BASINS DOES NOT INCLLUDE DEBRIS SLUICED THROUGH OPEN PORTS OR NOTCH.
(2) VOLUME OF DEBRIS DEPOSITED DOES NOT INCLUDE DEBRIS WHICH PASSED OVER THE SPILLWAY DURING THE STORMS IN 1968-69 SEASON.
(3) INCLUDING DEBRIS FROM THE UPSTREAM BASIN OR DAM.
(4) VOLUME OF DEBRIS DEPOSITED DOES NOT INCLUDE DEBRIS WHICH PASSED OVER THE SPILLWAY DURING THE STORMS IN 1977-78 SEASON.
(5) INCLUDED WITH SHIELDS DEBRIS BASIN.
(6) BASED ON A DEBRIS CONE SLOPE OF 50% OF THE NATURAL SLOPE. PREVIOUS CAPACITIES ARE BASED ON A DEBRIS CONE SLOPE OF 60% OF THE NATURAL SLOPE. SEE MEMORANDUM DATED SEPTEMBER 21, 1979, FILE NO. 1.431, 2-11.34.

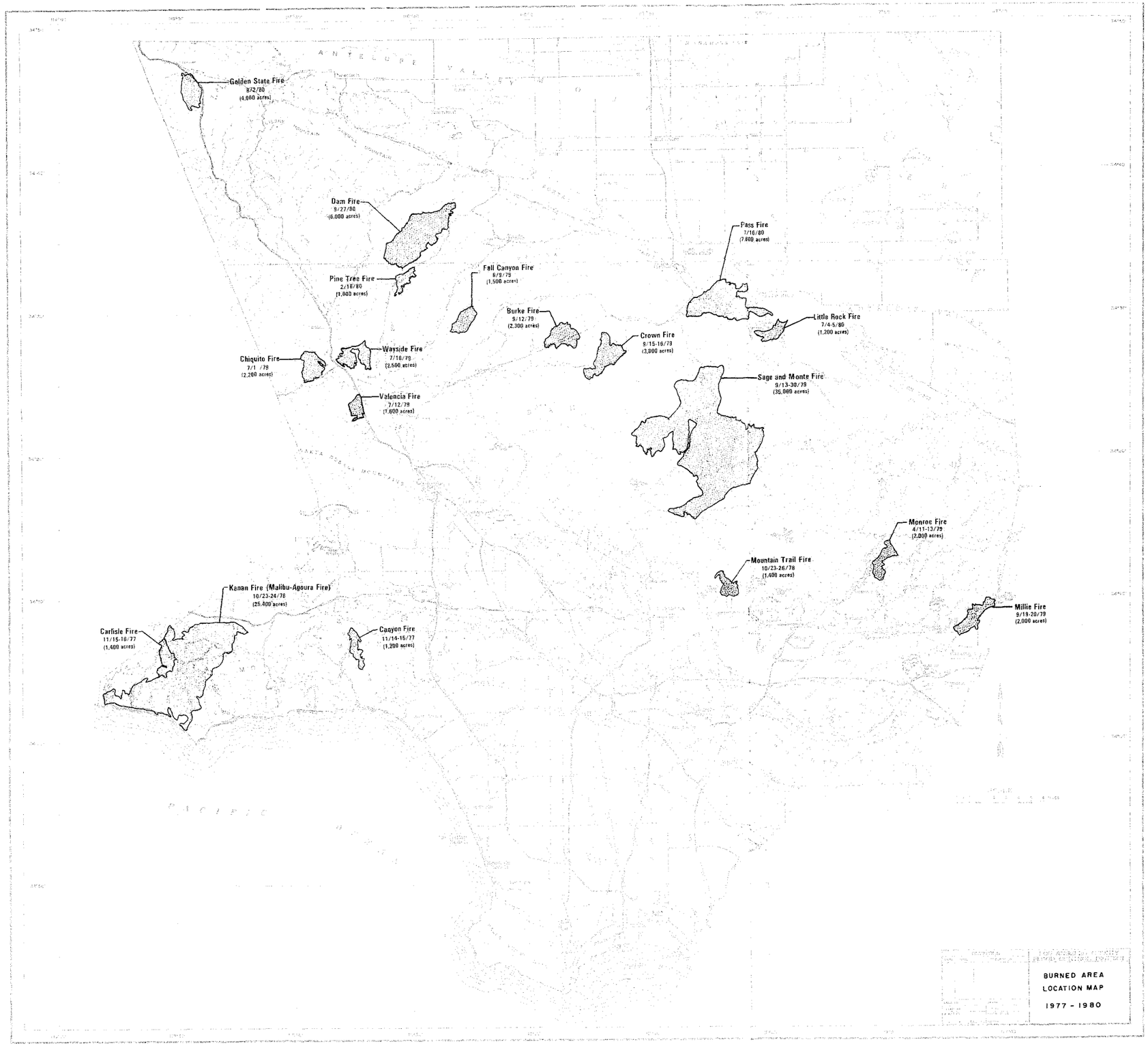

Golden State Fire
8/2/80
(4,000 acres)
Dam Fire
9/27/80
(6,000 acres)
Pine Tree Fire
2/16/80
(1,000 acres)
Fall Canyon Fire
6/9/79
(1,500 acres)
Burke Fire
8/12/79
(2,300 acres)
Crown Fire
9/15-16/79
(3,900 acres)
Pass Fire
7/16/80
(7,600 acres)
Little Rock Fire
7/4-5/80
(1,200 acres)
Chiquito Fire
7/1 /79
(2,200 acres)
Wayside Fire
7/16/79
(2,500 acres)
Valencia Fire
7/12/79
(1,600 acres)
Sage and Monte Fire
9/13-30/79
(35,000 acres)
Monroe Fire
4/11-13/79
(2,000 acres)
Mountain Trail Fire
10/23-26/78
(1,400 acres)
Millie Fire
9/19-20/79
(2,000 acres)
Kanan Fire (Malibu-Agoura Fire)
10/23-24/78
(25,400 acres)
Carlisle Fire
11/15-16/77
(1,400 acres)
Canyon Fire
11/14-15/77
(1,200 acres)
BURNED AREA
LOCATION MAP
1977 - 1980

PLATE E2

WATER QUALITY

WATER QUALITY

WATER QUALITY OBLIGATION

The District, created by an act of State Legislation, is held with the responsibility of controlling flood, storm, and other waste water, and to conserve these waters for beneficial and useful purposes by spreading, storing, retaining, or to cause percolation into the soil within its jurisdictional area.

To successfully fulfill these obligations, this District has found it necessary to concern itself not only with the quantities of various conservable waters, but with their respective qualities as well.

Since its conception, this District has actively engaged in operations which have proven indispensable in preserving the integrity of our water resources, and has aided in the establishment of regulations in controlling criteria by those agencies so empowered.

WATER QUALITY ACTIVITIES

District activities in the field of water quality control are carried out by the Water Conservation Division, Water Quality Section. These activities include the collection of water quality samples, their analyses, and the interpretation and reporting of the resulting data. Areas of involvement include the monitoring of all groundwater basins through the sampling of numerous wells, the monitoring of storm and low water flows at various strategic locations on the major streams or channels, and an assumed or obligated duty to monitor the quality effects and subsurface travel of applied storm, imported and reclaimed water at this District's Whittier Narrows Spreading Grounds area.

The Water Quality Section, together with personnel of other District divisions, also conducts investigations into pollutional problems, particularly those manifested from industrial discharges, vehicle accidents, ruptured pipelines, or from the indiscriminate dumping of various waste products.

The principal objectives of these investigations are to determine the degree and apparent source or origin of the pollution and to take the necessary action that will immediately abate the existing problem and possibly provide a means to prevent recurrence.

SURFACE WATER QUALITY

The Surface Water Quality Monitoring Program involves the sampling of dry weather flows of the principal water conveyance systems within the County area. Currently, samples are collected at 31 stations located in the Los Angeles River, San Gabriel River, Santa Clara River, Rio Hondo Channel, Coyote Creek, Dominguez Channel, Ballona Creek, Centinela Creek, San Jose Creek, Topanga Canyon Channel, Malibu Creek, and Kenter Avenue Drain. Samples are collected monthly at each station and analyzed by the District's Water Quality Laboratory for major minerals, total dissolved solids (TDS), total hardness, electrical conductivity, pH, dissolved oxygen demand, coliform, fecal coliform, and enterococci. In addition to these constituents, residual chlorine is also determined at selective locations as well as an annual analysis for trace metals.

A selective list of total disolved solids is shown (TABLES 1 - 3) for some of the sampling locations on the streams and channels monitored under the Surface Water Quality Program. For a conception of the analysis performed on surface flows, a yearly compilation of constituent deter-

ion is shown (TABLES 4 - 6) for one (Los Angeles River rdlow Street) of the 31 stations sampled.

hieve an even greater insight into surface water y, this District has recently supplemented the ıly monitoring program by including within this pro- a series of scheduled investigation tours on each of ıajor conveyance systems.

vork consists basically of traversing each of the ipal streams and channels for compliance to ıg water quality standards. Observations are also ucted on tributary systems, and the respective drain- ıreas.

M WATER QUALITY

ıannual Storm Water Quality Program is a com- ensive sampling of major storm flows at many ions throughout the County. The samples are ana- by the Water Quality Laboratory for major minerals, ical conductivity,suspended solids, pH, dissolved en, biochemical oxygen demand, coliform, fecal ırm, enterococci, pesticides, herbicides, trace metals, grease, chemical oxygen demand, and nutrients .

ldition, storm samples are taken at various gaging ıns and spreading grounds. The flow data is re- ed at the time each sample is taken and these ples are analyzed for electrical conductivity.

GROUND WATER QUALITY

The annual sampling of water wells, under a selected scheduling, in five major basins in Los Angeles County comprise the Groundwater Quality Program. The program, initiated in 1970, is coordinated with the State of California Department of Water Resources and the City of Los Angeles Department of Water and Power.

These agencies participate in the obtainment and analysis of samples. All the water wells sampled are active production wells used either for municipal supply, irrigation, or for industrial purposes and are selected to represent a general portrayal of basin water quality conditions. The samples taken under this program are analyzed for major mineral, total dissolved solids, electrical conductivity, pH, and in some cases, phosphate, iron, manganese, flouride, or boron.

WATER QUALITY DATA ACCESSIBILITY

Data acquired from programs is on file in the Water Quality Section. Also, with the exception of TDS and bacteria most data has been processed by the Department of Water Resourses and is available on their computer generated listings. In addition, all data will by accessible to any user through STORET, an Enviromental Protection Agency computer system that stores, retrieves, and manipulates data using agency code 21 CALAFD .

SURFACE WATER QUALITY MONITORING SELECTED SURFACE STATION

TABLE 1 TOTAL DISSOLVED SOLIDS - Mg/L

1977 - 1978 SEASON

Sampling Location	Oct. 1977	Nov. 1977	Dec. 1977	Jan. 1978	Feb. 1978	March 1978	April 1978	May 1978	June 1978	July 1978	Aug. 1978	Sept. 1978	Average Value
Ballona Creek at													
Sawtelle Blvd.	897	867	-	919	1004	1096	1044	980	-	876	692	888	926
Centinela Ave.	-	-	-	-	-	-	-	608	-	740	1968	368 1)	1105
Coyote Creek at													
Valley View St.	980	923	409 1)	704	1136	1352	1204	1012	-	912	596	816	964
Below Spring St.	1300	1190	1310	695	1768	1488	1950	2054	1912	1658	1742	1680	1562
Dominguez Channel													
Above Vermont Ave.	740	805	1200	412	844	-	700	704	736	860	676	328 1)	768
Los Angeles River at													
Tujunga Ave.	850	835	858	441	1044	-	828	400 1)	664	928	656	212 1)	789
Wardlow Rd.	1130	1370	1040	128 1)	960	-	400 1)	460 1)	772	800	808	280 1)	983
Firestone Blvd.	900	1025	952	223 1)	996	-	516	480	768	840	812	256 1)	810
Malibu Creek at													
Cross Creek Rd.	1490	1620	-	638	648	1012	812	1096	-	1328	1276	1296	1122
Rio Hondo Channel at													
Southern Ave.	840	810	484	80 1)	368	-	636	528	960	724	708	296 1)	673
Santa Clara River at													
Highway 99	1260	1330	1350	1282	1272	-	828	888	1136	1148	684	268 1)	1118
San Gabriel River at													
Spreading Grounds	620	617	-	244 1)	184 1)	240 1)	228 1)	-	-	260	616	364	495
Above Spring	805	819	805	801	772	328 1)	508 1)	774	800	772	782	704	783
San Jose Creek at													
Workman Mill Rd.	700	736	-	421 1)	844	964	744	816	-	716	816	858	799

1) Influenced by storm water, not included in average

SURFACE WATER QUALITY MONITORING SELECTED SURFACE STATION

TABLE 2 TOTAL DISSOLVED SOLIDS - Mg/L

1978 - 1979 SEASON

Sampling Location	Oct. 1978	Nov. 1978	Dec. 1978	Jan. 1979	Feb. 1979	March 1979	April 1979	May 1979	June 1979	July 1979	Aug. 1979	Sept. 1979	Average Value
Ballona Creek at													
Sawtelle Blvd.	852	848	-	332 1)	876	56 1)	1148	944	864	832	856	844	1085
Centinela Ave.	1180	520	-	124 1)	604	80 1)	876	868	788	704	684	792	780
Coyote Creek at													
Valley View St.	1184	752	208 1)	452 1)	808	148 1)	1188	1044	1020	596	928	944	940
Below Spring St.	1380	1460	-	684 1)	1330	76 1)	1960	1816	1572	988	1484	1272	1474
Dominguez Channel													
Above Vermont Ave.	516	656	748	592	-	720	820	792	648	804	760	680	703
Los Angeles River at													
Tujunga Ave.	456	600	600	472	400 1)	1344	744	616	780	784	796	808	727
Wardlow Rd.	692	636	648	732	-	852	580	580	860	668	636	724	692
Firestone Blvd.	668	680	656	572	372 1)	892	576	576	876	624	624	704	677
Malibu Creek at													
Cross Creek Rd.	1216	1236	-	628 1)	856	796	-	-	1152	1168	1160	1124	1089
Rio Hondo Channel at													
Southern Ave.	604	412	536	492	96 1)	536	664	1356	804	720	728	792	695
Santa Clara River at													
Highway 99	1088	608	888	884	-	856	752	804	744	864	908	916	847
San Gabriel River at													
Spreading Grounds	376	456	-	348 1)	576	240 1)	632	616	624	356	380	460	497
Above Spring	768	708	-	480 1)	860	68 1)	728	796	768	832	768	808	782
San Jose Creek at													
Workman Mill Rd.	900	768	-	476	824	172 1)	900	880	956	948	824	964	844

1) Influenced by storm water, not included in average

SURFACE WATER QUALITY MONITORING SELECTED SURFACE STATION

TABLE 3 TOTAL DISSOLVED SOLIDS - Mg/L

1979 - 1980 SEASON

Sampling Location	Oct. 1979	Nov. 1979	Dec. 1979	Jan. 1980	Feb. 1980	March 1980	April 1980	May 1980	June 1980	July 1980	Aug. 1980	Sept. 1980	Average Value
Ballona Creek at													
Sawtelle Blvd.	884	816	844	868	281 1)	968	948	944	900	708	860	576	847
Centinela Ave.	772	700	688	201 1)	421	860	984	828	836	680	696	620	735
Coyote Creek at													
Valley View St.	1040	1044	1044	1092	220 1)	1408	1128	1120	1008	1076	1008	1348	1120
Below Spring St.	1510	1500	1388	1112	-	-	-	-	-	-	-	-	1378
Dominguez Channel													
Above Vermont Ave.	712	672	792	180 1)	828	80 1)	876	868	792	892	960	684	808
Los Angeles River at													
Tujunga Ave.	832	556	736	608	612	148 1)	920	1152	1188	764	808	824	818
Wardlow Rd.	696	700	792	456	652	224 1)	668	888	876	864	788	736	738
Firestone Blvd.	696	712	784	448	636	140 1)	868	868	848	812	768	744	744
Malibu Creek at													
Cross Creek Rd.	1160	1200	1208	1068	-	1064	1240	1268	1344	1360	1432	1428	1252
Rio Hondo Channel at													
Southern Ave.	776	644	672	392	896	56 1)	432	720	400	1230	1030	672	715
Santa Clara River at													
Highway 99	912	1088	896	1060	1144	643 1)	656	960	836	876	940	928	936
San Gabriel River at													
Spreading Grounds	412	460	284	488	204 1)	484	648	464	728	738	648	540	536
Above Spring	800	772	828	732	-	-	-	-	-	-	-	-	783
San Jose Creek at													
Workman Mill Rd.	880	860	904	876	493 1)	992	816	924	1016	992	964	944	924

1) Influenced by storm water, not included in average

WATER QUALITY ANALYSIS MONTHLY MONITORING 1977 - 1978

TABLE 4 LOS ANGELES RIVER AT WARDLOW

CONSTITUENT mg/l	Oct. 1977	Nov. 1977	Dec. 1977	Jan. 1978 2)	Feb. 1978	March 1978 2)	April 1978 2)	May 1978 2)	June 1978	July 1978	Aug. 1978	Sept. 1978	Average
Hardness	-	-	-	-	-	53	-	-	-	-	-	-	53
Calcium	-	-	-	-	-	21	-	-	-	-	-	-	21
Magnesium	-	-	-	-	-	5	-	-	-	-	-	-	5
Sodium	-	-	-	-	-	10	-	-	-	-	-	-	10
Potassium	-	-	-	-	-	9	-	-	-	-	-	-	9
Ammonium	0.23	k0.08	2.84	0.44	1.28	0.12	0.18	0.17	0.18	0.4	0.16	-	0.74
Hydroxide 1)	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbonate	10	21	-	-	-	-	-	14	11	13	18	-	14.6
Bicarbonate	202	196	250	54	244	68	201	184	249	231	232	-	229
Sulfate	294	475	378	26	364	24	113	131	225	231	239	-	315
Chloride	308	260	154	16	141	4	33	38	115	126	123	-	175
Nitrate	14.9	22.3	16.7	6.4	28.5	2	10.2	K1	8.9	11.4	2	-	15
Phosphate	0.64	1.08	1.24	0.62	3.42	0.05	0.12	0.02	0.64	1.88	0.55	-	1.35
DO	4.5	5.6	4.9	9.4	8.1	-	-	4.4	2.3	4.5	3.4	1.3	4.9
BOD	20	19	26	7	25	9	6	8	6	11	17	32	18.7
COD	136	96	83	86	44	59	22	9	71	37	102	162	104
Per/100ml													
Fecal Coliform	3600	880	5100	13000	148000	16000	2700	600	-	-	-	-	39400
Total Coliform	34000	6800	27000	180000	20400	61000	19000	5400	174000	96000	16000	-	53500
Fecal Strep	9700	37900		-		181000	11300	1600	37000	13000	5800	-	32900
ph	8.6	8.7	7.9	7.8	8.2	7.1	8.1	8.7	8.6	8.7	8.7	6.7	8.3
Temp. F	65	58	57	50	54	-	56	62	63	66	67	70	62.9

1) Hydroxide parameter no longer in use.
2) Influenced by storm, not included in averages.

WATER QUALITY ANALYSIS MONTHLY MONITORING 1978 - 1979

TABLE 5 LOS ANGELES RIVER AT WARDLOW

CONSTITUENT mg/l	Oct. 1978	Nov. 1978	Dec. 1978	Jan. 1979	Feb. 1979 [2]	March 1979	April 1979	May 1979	June 1979	July 1979	Aug. 1979	Sept. 1979	Average
Hardness	323	284	328	359	54	379	309	281	427	321	286	318	329
Calcium	83.2	86.5	101	95.1	15	115	102	79.5	113	84.9	76.9	84.6	92.8
Magnesium	27.9	16.5	18.1	29.4	4	22.6	13.2	20	35.1	26.4	22.8	25.8	23.4
Sodium	96.1	81.3	75.9	89.4	14	107	55.2	71.2	110	97	91	97.8	88.4
Potassium	9.2	8.7	6.6	6.8	3	6.9	4.3	6.5	7.7	8.5	10.1	9.1	7.7
Ammonium	k0.08	2.14	0.18	0.14	0.39	0.35	k0.08	k0.08	0.18	k0.08	k0.08	0.13	0.32
Hydroxide [1]	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbonate [1]	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicarbonate	261	234	276	223	46	253	223	230	268	237	215	216	240
Sulfate	190	177	181	246	19	303	193	167	260	182	198	195	199
Chloride	99	97	72	89	18	95	56	67	114	95	85	97	88
Nitrate	4.63	8.27	4.04	6.96	1.13	5.96	3.03	4.17	4.23	3.97	3.39	5.08	4.88
Phosphate	2.02	1.86	-	1.37	0.04	0.85	0.42	0.43	1.63	0.62	0.86	1.63	1.06
DO	4.7	6.7	8.6	7.9	-	8.7	5.7	2.9	4.8	3.4	2	3.8	5.4
BOD	8	8	5	12	16	3	3	18	10	8	23	19	10.6
COD	48	61	46	62	103	29	61	154	35	103	429	84	101
Per/100ml													
Fecal Coliform	2600	6000	920	3400	4000	1400	1800	18000	6800	7200	2000	8200	5300
Total Coliform	76000	38000	50000	48000	130000	70000	30000	50000	60000	130000	20000	20000	54000
Fecal Strep	5800	16000	19000	11000	65000	5000	15000	3600	11000	10000	3900	5500	9600
ph	8.1	8	8.2	7.6	6.9	8.3	8.2	8.2	8.2	8.4	8.1	8	8.1
Temp. F	67	56	45	50	46	58	52	65	61	63	70	66	59.4

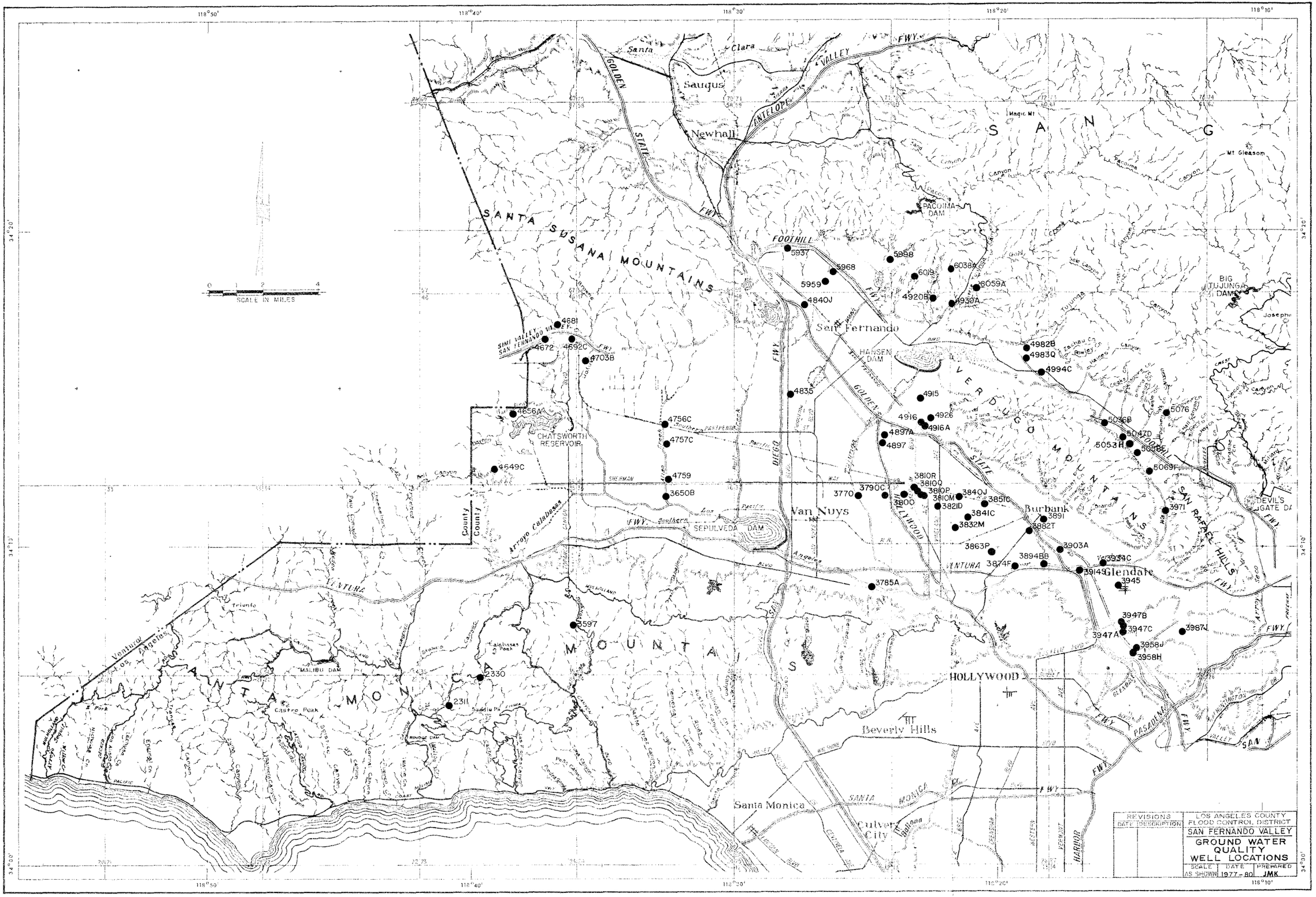
1) Hydroxide and carbonate parameter no longer in use.
2) Influenced by storm, not included in averages.

WATER QUALITY ANALYSIS MONTHLY MONITORING 1979 - 1980

TABLE 6 LOS ANGELES RIVER AT WARDLOW

CONSTITUENT mg/l	Oct. 1979	Nov. 1979	Dec. 1979	Jan. 1980	Feb. 1980	March 1980 [2]	April 1980	May 1980	June 1980	July 1980	Aug. 1980	Sept. 1980	Average
Hardness	312	329	345	200	317	167	332	446	432	424	370	326	348
Calcium	82.4	83.5	85.9	53.2	82.4	41.5	80.1	124.1	128.1	106	105	82.1	92.1
Magnesium	25.8	29.2	31.6	16.3	26.9	15.5	32	33	27.2	38.9	26	29.5	28.8
Sodium	92.5	89.3	109.4	50	82.2	20.8	61.8	98.7	96.8	96	106	96.4	89
Potassium	8.1	7.5	9.2	6.6	7	0.6	0.8	6	6.3	8.8	7.6	8	6.9
Ammonium	0.09	0.16	0.16	0.19	K0.1	0.01	0.17	0.23	0.27	2.1	0.25	0.11	0.35
Hydroxide [1]	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbonate [1]	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicarbonate	187	180	182	113	187	112	201	229	222	226	215	180	193
Sulfate	203	232	225	136	215	59	192	273	255	273	230	219	223
Chloride	100	105	124	57	82	16	80	102	121	115	108	110	100
Nitrate	6	4.7	5.7	3.4	4.8	-	1.78	4	3.77	3.54	5.47	6.56	4.52
Phosphate	1.11	1.24	2.74	0.76	1.08	0.31	0.39	0.6	1.72	1.73	1.76	2.45	1.42
DO	4	10.4	5.7	3.7	5.3	-	15.7	6.6	7.5	6.3	5.2	5.7	6.9
BOD	12	4	8	19	6	4	3.7	7	10	10	9	6	8.6
COD	110	30	51	105	81	36	35	38	51	42	46	42	57.4
Per/100ml													
Fecal Coliform	4600	3200	14000	7200	2000	2400	1800	920	1200	440	2200	1500	3600
Total Coliform	22000	26000	600	36000	23000	130000	15000	36000	56000	16000	30000	28000	31000
Fecal Strep	10000	12000	35000	110000	6000	50000	22000	11000	5200	2400	1900	5500	20000
ph	8.2	8.4	8	7.6	8.2	7.3	8.8	8.7	8.2	7.9	8.1	8.4	8.2
Temp. F	63	54	49	46	56	56	60	60	55	64.5	67	62	57.9

1) Hydroxide and carbonate parameter no longer in use.
2) Influenced by storm, not included in averages.



REVISIONS		LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
DATE	DESCRIPTION	SAN FERNANDO VALLEY GROUND WATER QUALITY WELL LOCATIONS
		SCALE: AS SHOWN; DATE: 1977 - 80; PREPARED: JMK

PLATE F1

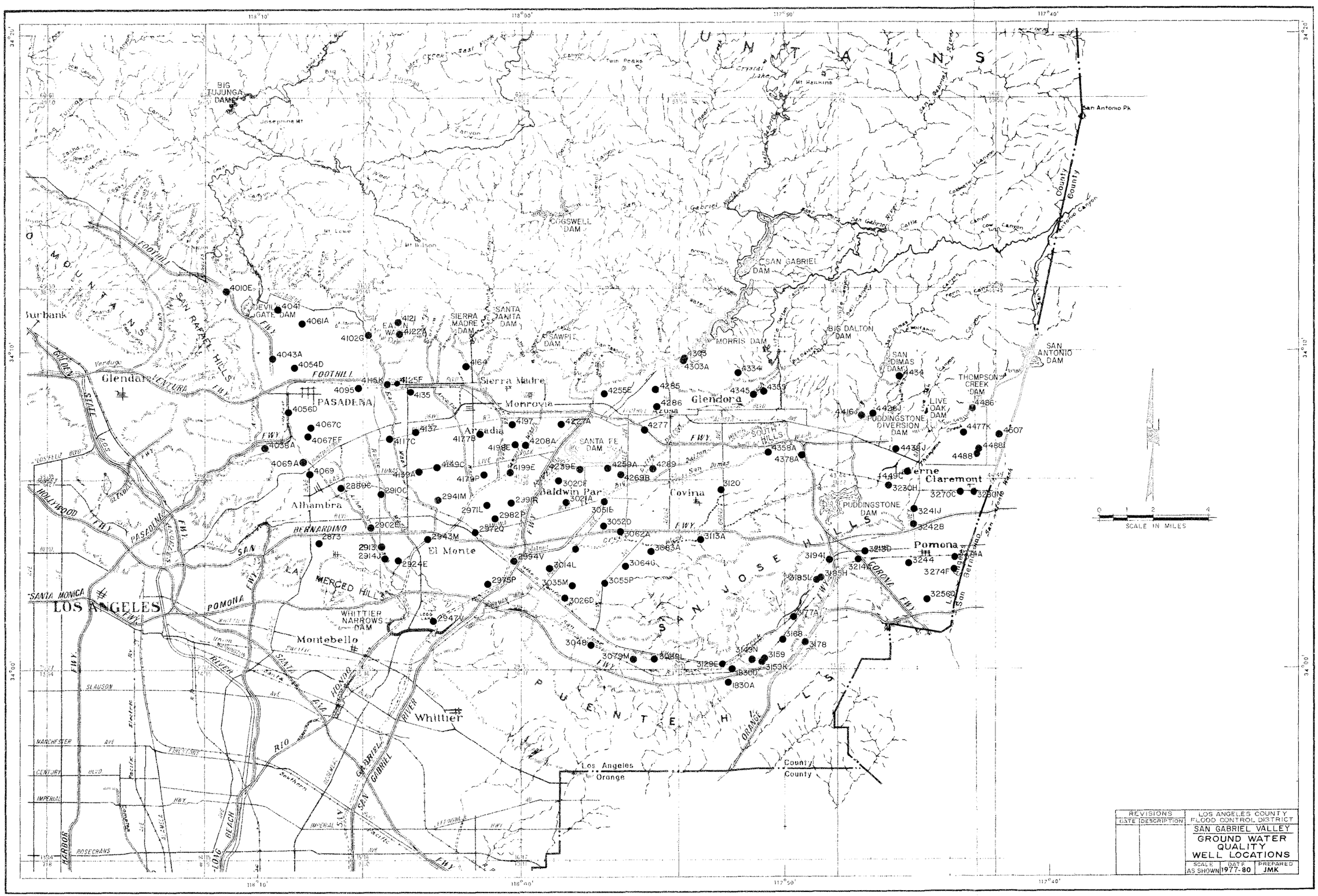
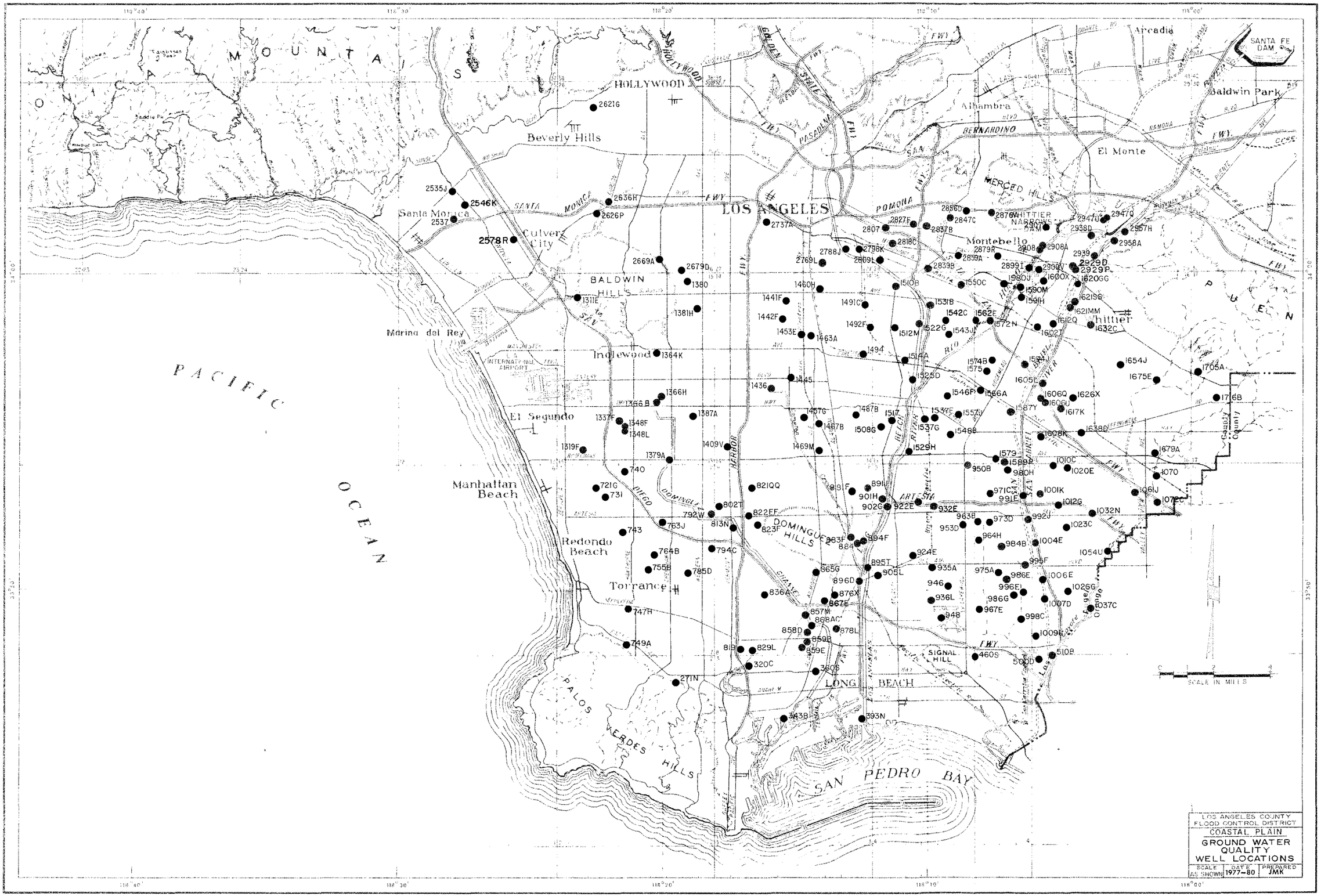

UNTAINS
MOUNTAINS
SAN JOSE HILLS
PUENTE HILLS
BIG TUJUNGA DAM
COGSWELL DAM
SAN GABRIEL DAM
SIERRA MADRE DAM
SANTA ANITA DAM
SAWPIT DAM
MORRIS DAM
BIG DALTON DAM
SAN DIMAS DAM
THOMPSON CREEK DAM
LIVE OAK DAM
PUDDINGSTONE DIVERSION DAM
SAN ANTONIO DAM
SANTA FE DAM
PUDDINGSTONE DAM
WHITTIER NARROWS DAM
DEVIL GATE DAM
EATON WASH DIV. DAM
San Antonio Pk
Josephine Mt
Mt Lowe
Mt Wilson
Mt Baldwin
Mt Hawkins
Twin Peaks
Crystal Lake
Burbank
Glendale
PASADENA
Sierra Madre
Monrovia
Arcadia
Glendora
Alhambra
El Monte
Baldwin Park
Covina
West Covina
Claremont
Pomona
Montebello
Whittier
LOS ANGELES
SANTA MONICA
Los Angeles County
Orange County
FOOTHILL FWY
SAN BERNARDINO FWY
POMONA FWY
SAN GABRIEL RIVER FWY
SOUTH HILLS FWY
CORONA FWY
GOLDEN STATE FWY
VENTURA FWY
HOLLYWOOD FWY
PASADENA FWY
SANTA ANA FWY
RIO HONDO
LONG BEACH FWY
SAN GABRIEL RIVER
RIVER
SCALE IN MILES
0 1 2 4
REVISIONS
DATE DESCRIPTION
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SAN GABRIEL VALLEY
GROUND WATER QUALITY
WELL LOCATIONS
SCALE AS SHOWN
DATE 1977-80
PREPARED JMK

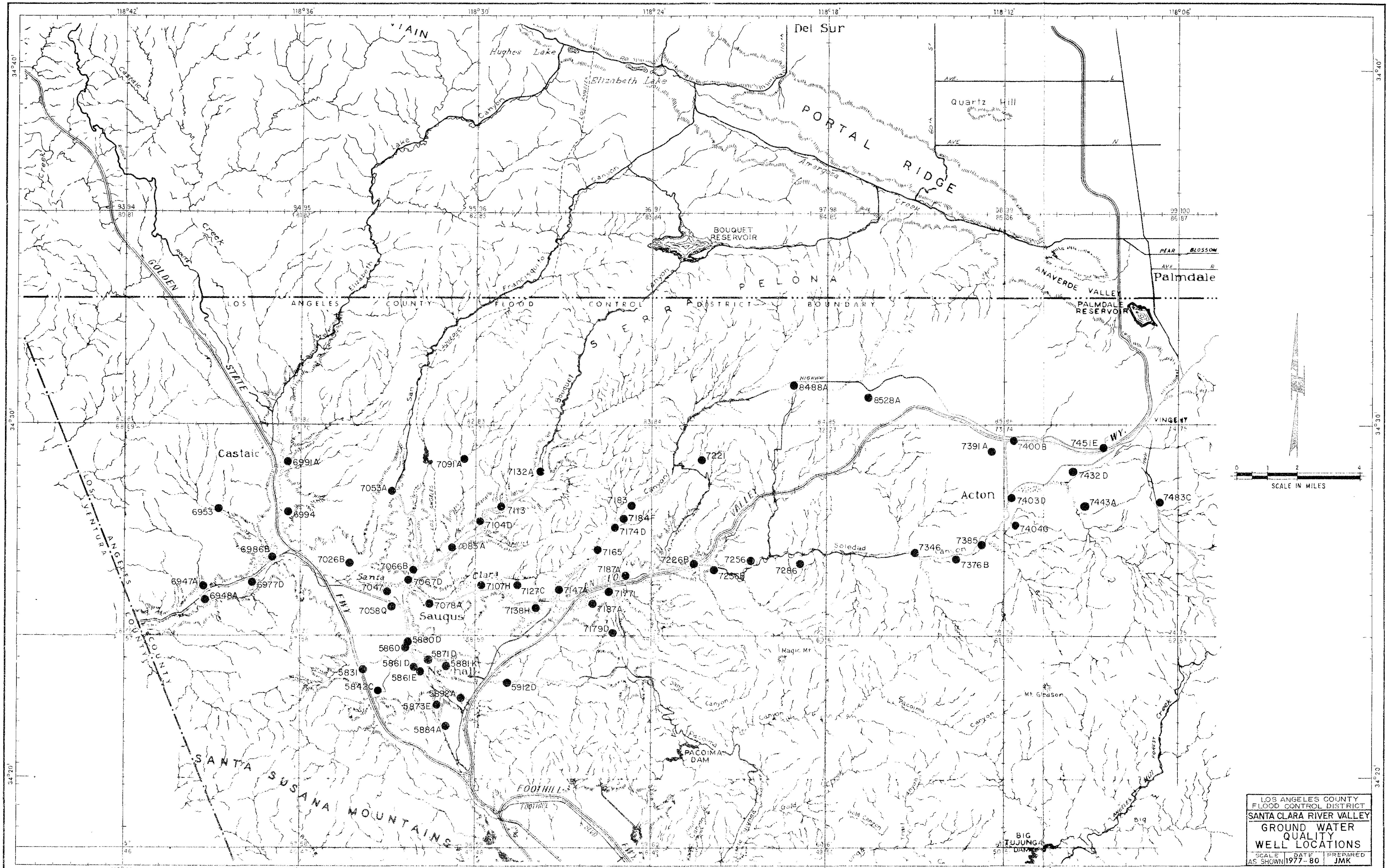
PLATE F2



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
COASTAL PLAIN
GROUND WATER QUALITY
WELL LOCATIONS

SCALE	DATE	PREPARED
AS SHOWN	1977–80	JMK

PLATE F3

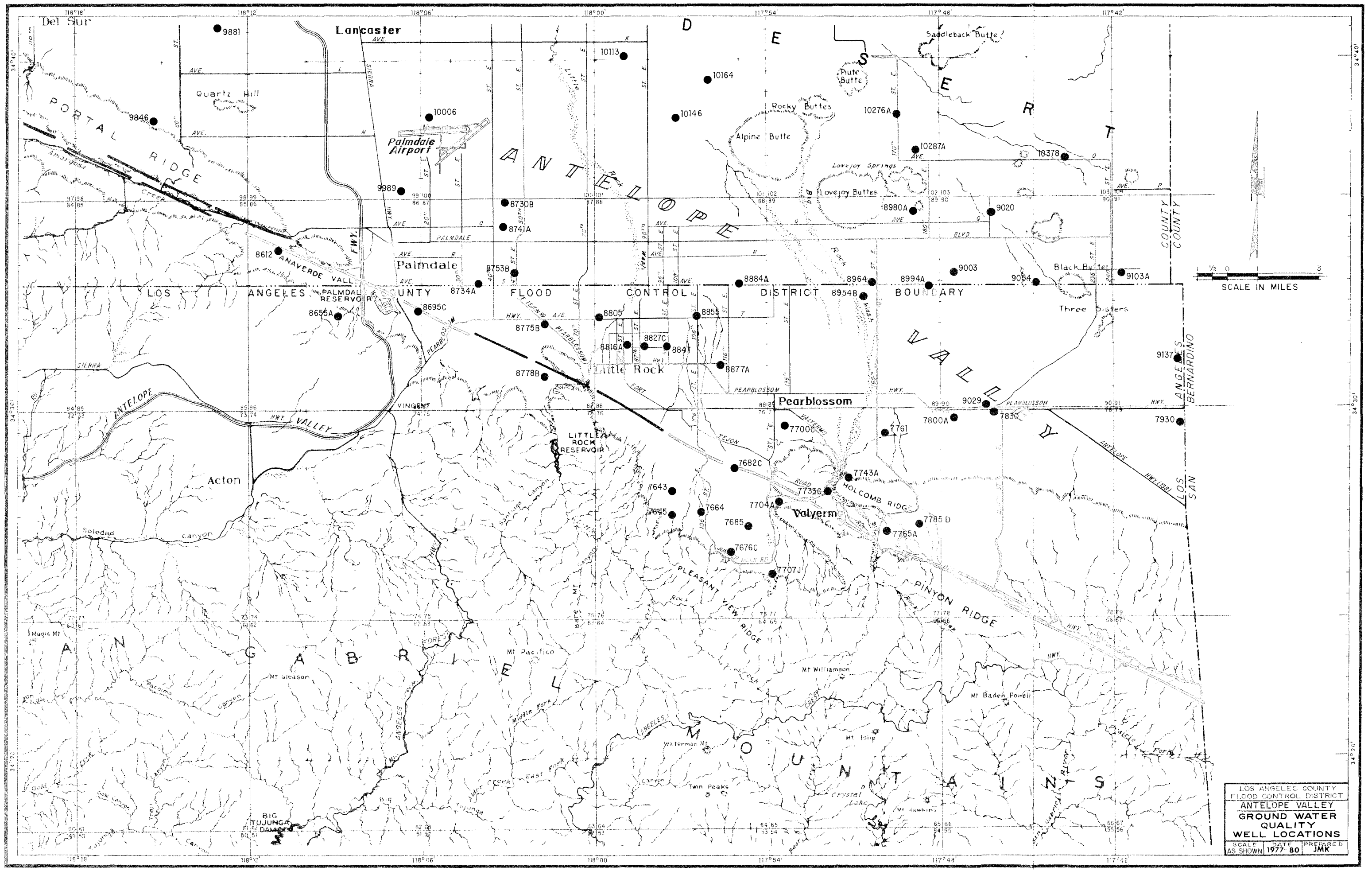


Del Sur
PORTAL RIDGE
Quartz Hill
BOUQUET RESERVOIR
PELONA
SIERRA
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT BOUNDARY
Palmdale
ANAVERDE VALLEY
PALMDALE RESERVOIR
GOLDEN STATE FWY
Castaic
Saugus
Newhall
Acton
PACOIMA DAM
BIG TUJUNGA DAM
SANTA SUSANA MOUNTAINS
LOS ANGELES COUNTY
VENTURA COUNTY
Hughes Lake
Elizabeth Lake
6947A
6948A
6953
6977D
6986B
6991A
6994
7026B
7047
7053A
7058Q
7066B
7067D
7078A
7085A
7091A
7104D
7107H
7113
7127C
7132A
7138H
7147A
7165
7174D
7177L
7179D
7183
7184F
7187A
7221
7226B
7256
7258B
7286
7346
7376B
7385
7391A
7400B
7403D
7404G
7432D
7443A
7451E
7483C
8488A
8528A
5831
5842C
5860
5860D
5861D
5861E
5871D
5873E
5881K
5892A
5884A
5912D
SCALE IN MILES

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SANTA CLARA RIVER VALLEY
GROUND WATER QUALITY WELL LOCATIONS

SCALE	DATE	PREPARED
AS SHOWN	1977-80	JMK

PLATE F4

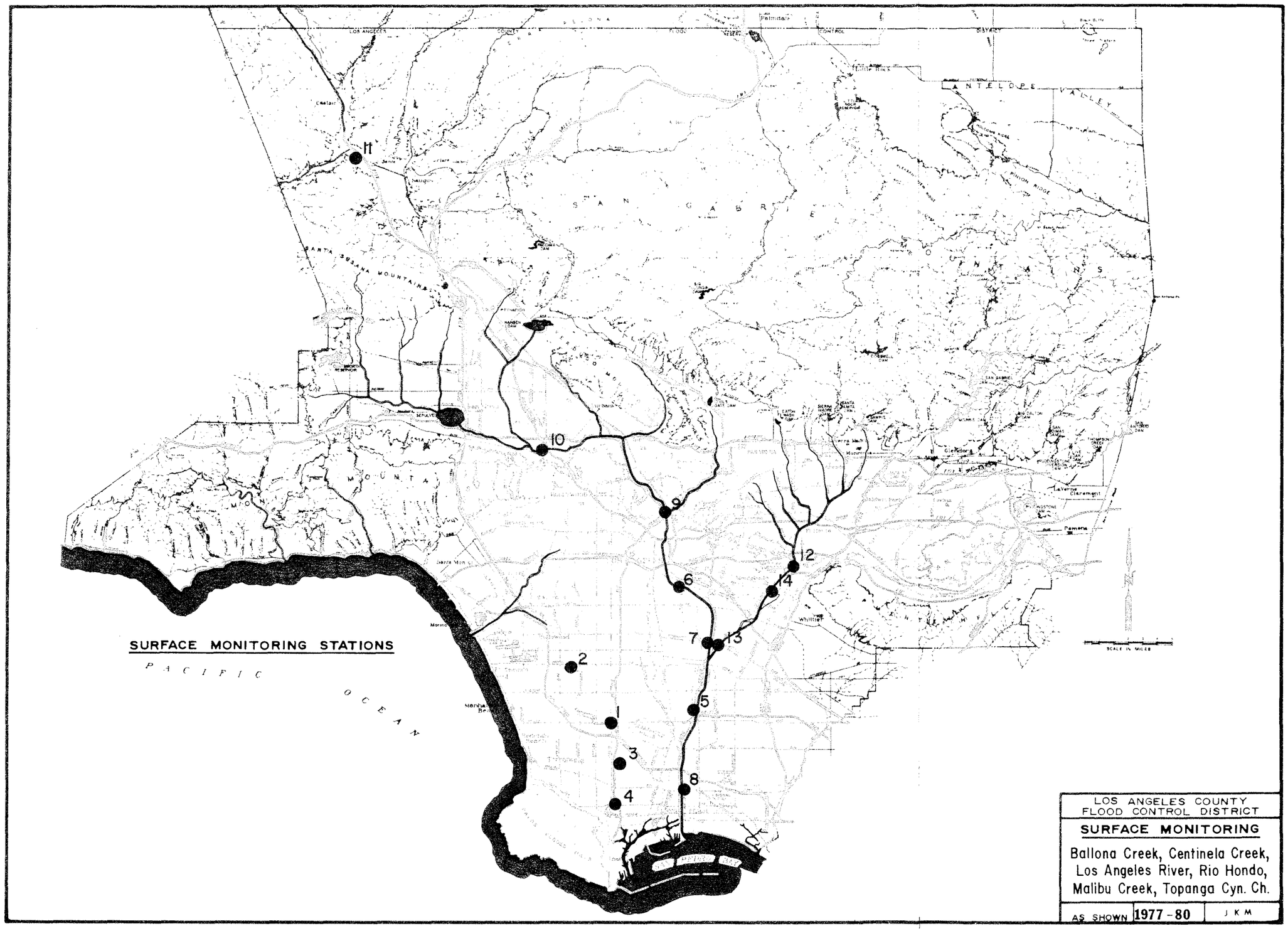


LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

ANTELOPE VALLEY GROUND WATER QUALITY WELL LOCATIONS

SCALE	DATE	PREPARED
AS SHOWN	1977-80	JMK

PLATE F5



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT

SURFACE MONITORING

Ballona Creek, Centinela Creek,
Los Angeles River, Rio Hondo,
Malibu Creek, Topanga Cyn. Ch.

AS SHOWN	1977 - 80	J K M

PLATE F6

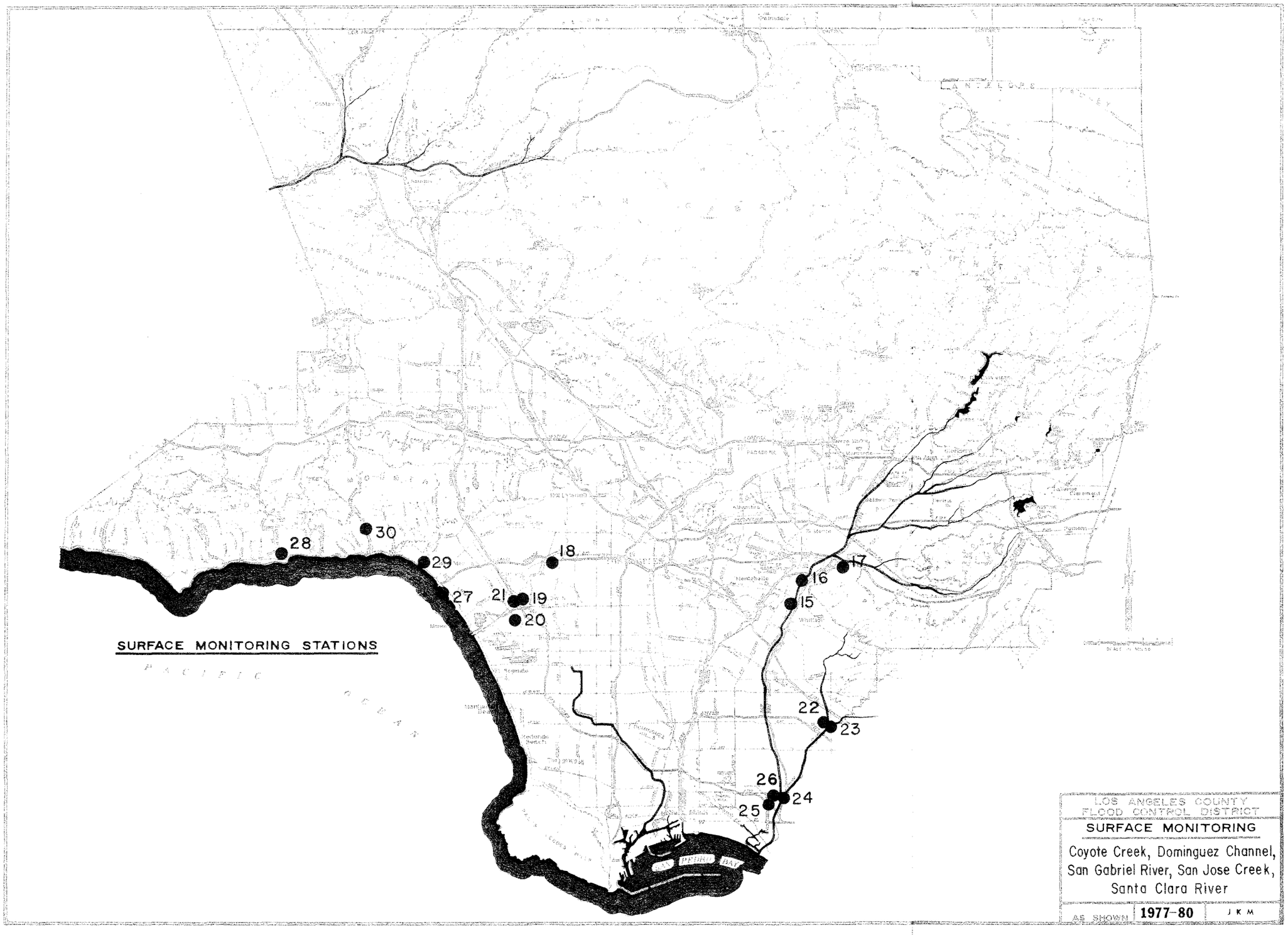

SURFACE MONITORING STATIONS
28
30
29
27
18
21
19
20
17
16
15
22
23
26
24
25
PACIFIC
OCEAN
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
SURFACE MONITORING
Coyote Creek, Dominguez Channel,
San Gabriel River, San Jose Creek,
Santa Clara River
AS SHOWN
1977-80
J K M

PLATE F7

WATER CONSERVATION

WATER CONSERVATION

Information presented in this section includes amounts of local, imported, and reclaimed water conserved in spreading grounds and spreading basins. Also, information on the seawater barrier projects which prevent salt water intrusion in the coastal area and information on the District's water quality monitoring programs of surface and groundwater are included. Pertinent data are presented regarding the locations and descriptions of District conservation facilities, as well as facilities owned by others. Also included are groundwater maps delineating elevations recorded during the report period, hydrographs of selected key wells, and maps indicating the District's water quality monitoring programs.

The various types of water conserved, namely local, imported, and reclaimed, are construed to have the following meanings in this section: Local water is derived from runoff due to rainfall on the mountain and valley watersheds within or tributary to the District. Imported water is water derived outside the District which is transported and delivered within the District. Reclaimed water is the effluent produced by the Whittier Narrows Water Reclamation Plant and the San Jose Creek Water Renovation Plant, both operated by the Los Angeles County Sanitation Districts.

The rainfall amounts during the water years 1977-78, 1978-79 and 1979 - 80 were approximately 225, 129 and 174 percent of normal. The water conserved during these periods were 1,309,500 acre - feet of local water, 261,180 acre - feet of imported water, and 66,261 acre - feet of reclaimed water.

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 water conservation facilities adjacent to river channels and their tributaries permits water to be percolated into ground reservoirs for later pumping by consumers. These water conservation facilities are located in areas where the underlying soils are composed of porous sands and gravel formations resembling rice paddies, while others are deep basins which were once gravel pits.

The importance of this activity is apparent when it is realized that about 35 to 45 percent of the water used in the County is pumped from ground supplies. The growth of the County, combined with periodic droughts, seriously depleted these supplies on numerous occasions down through the years.

Other major conservation efforts by the District include combatting the serious intrusion by salt water of fresh well supplies along the Pacific Ocean and the utilization of reclaimed sewage waters in spreading operations.

SPREADING GROUNDS

The total gross acreage of spreading grounds owned and operated by the District during this report period amounted to 2,369 acres. The District also assisted in the operation and maintenance of 679 acres of spreading grounds owned by others. An additional 246 acres of spread-

ing grounds are controlled, maintained, and operated by other agencies. The total gross acreage of spreading grounds in the County is 3,294 acres, with a combined infiltration capacity of more than 2,400 cfs.

IMPORTED WATER

During this report period, imported Colorado River water and State Project water for spreading was obtained from the Metropolitan Water District. This water was purchased with funds provided by the Central and West Basin Water Replenishment District and the Upper San Gabriel Valley Municipal Water District. Funds were also provided by the Water Conservation Zone I prior to its termination on June 30, 1972. The Zone was established by the Board of Supervisors in January 1952 to finance the acquisition and conservation of untreated Colorado River water in the Coastal Plain. The funds were provided by taxation at a rate of $.05 per $100 assessed value. The Zone had a life of five years with provisions for renewal by the Board of Supervisors. Zone I was renewed three times before its termination in 1972.

Imported water for the Coastal Plain, purchased with funds from 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 groundwater basin, purchased by the Upper San Gabriel Valley Municipal Water District, was spread in Santa Fe Spreading Grounds and in the San Gabriel River between Morris Dam and the spreading grounds.

The San Gabriel Valley Municipal Water District made the first delivery of replacement water through its Devil Canyon-Azusa pipeline to the San Gabriel River on November 18, 1974. They also used the pipeline for the delivery of water for cyclic storage, as per agreement with the Wastemaster.

RECLAIMED WATER

The County Sanitation Districts' Whittier Narrows Water Reclamation Plant, in operation since 1962, produced from 12 to 18 mgd of high quality effluent during the 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 groundwater replensishment.

The County Sanitation Districts' San Jose Creek Water Reclamation Plant, activated in May 1972, made its first delivery of effluent in November 1972. This effluent is also purchased by the Central and West Basin Water Replenishment District and is transported by pipeline to the San Gabriel River system for groundwater replenishment.

Reclaimed water comprised approximately 38 percent of the total purchased water spread in the Montebello Forebay between October 1, 1977 and September 30, 1980.

SEAWATER BARRIER PROJECTS

The District operates three barrier projects to protect the groundwater in the West Coast and Central Basins against seawater intrusion by creating a freshwater pressure ridge at key locations along the coastline. These pressure ridges are created by injecting fresh water into the ground through a series of injection wells. During the 3 - year period, 81,992.4 acre - feet of water were injected at the West Coast Basin Barrier Project, 15,876.3 acre - feet at the Dominguez Gap Barrier Project, and 14,106.3 acre - feet at the Alamitos Barrier Project.

WEST COAST BASIN

The West Coast Basin Barrier Project, just inland of the Santa Monica Bay coastline, prevents the intrusion of ocean water into the freshwater acquifiers by the injection of fresh water to form a pressure barrier.

Operations were routine during the report period, except for a complete shutdown of all project injection wells for a period from May 29 through June 21, 1979. This shutdown was due to the relocation of a portion of the project's supply line which runs through the Hughes Corporation property in El Segundo.

During the 3 - year report period, 81,992.4 acre - feet of fresh water were injected at this project.

DOMINGUEZ GAP

The Dominguez Gap Barrier Project was designed to prevent seawater intrusion from the San Pedro Bay into the West Coast Basin through the Dominguez Gap area.

Injection operation was routine during the report period except for three shutdowns. First, injection was shut off from October 14 through November 1, 1977 for storm drain (Project No. 9830) construction. Injection was shut off again from April 3 through 24, 1978, for storm drain construction by the City of Los Angeles. The third shutdown was from May 9 through 16, 1979 because of a leak in the supply line.

During this report period, 15,876.3 acre - feet of fresh water were injected at this project.

ALAMITOS

The exsisting operational facilities of the Alamitos Barrier Project consist of 20 injection wells and 4 extraction wells. The project facilities are designed to protect the groundwater 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.

Construction of units 9A and 9B, consisting of two injection wells and 12 observation wells was completed in early 1978.

Operations were routine during this report period except for the period November 5 through 26, 1979 when the recharge line was completely shutdown. The complete shutdown was necessary to replace worn valves and make repairs in the pressure reducing station.

During the period, 14,106.3 acre - feet fresh water were injected and 3,634.8 acre - feet of saline water were extracted at this project.

SEASONAL DATA AND MAPS

During this triennial report period, approximately fifty thousand measurements of groundwater levels in observation wells were made and processed on a monthly or semi

-annual basis. The wells were located throughout the groundwater basins in Los Angeles County. Hydrographs of selected key wells are included in this report.

GROUNDWATER BASINS

The natural groundwater reservoirs underlying Los Angeles County consist of groundwater basins which are grouped under five local watersheds. These watersheds are identified as San Fernando Valley, San Gabriel Valley, Coastal Plain, Santa Clarita Valley, and Antelope Valley.

The following paragraphs depict the changes occurring in groundwater levels as taken from wells considered representative of basin conditions. The changes are noted as the difference in groundwater level on September 30, 1980, as compared to the level on October 1, 1977. These changes are shown on the basin maps, plates PG1 to PG17. Some of the hydrographs used for determining the changes are shown on pages G16 to G38.

San Gabriel Valley

The San Gabriel Valley watershed covers 279 square miles and overlies 18 groundwater basins and sub - basins. The District operates 20 spreading facilities in the San Gabriel Valley. Groundwater levels increased throughout most of these groundwater basins during the report period.

San Fernando Valley

The San Fernando Valley watershed covers 312 square miles and overlies four groundwater basins. The District operates four spreading grounds in the San Fernando Valley. The groundwater levels increased throughout the underlying basins during the report period.

The Coastal Plain

The Coastal Plain watershed covers 557 square miles and overlies four groundwater basins. The District operates three spreading grounds in the Coastal Plain. Groundwater levels increased throughout the underlying basins during the report period.

Santa Clarita Valley

The Santa Clarita Valley watershed covers 747 square miles and overlies five groundwater basins. The District has no spreading facilities in the Santa Clarita Valley. Groundwater levels increased throughout the underlying basins during the report period.

Antelope Valley

The Antelope Valley watershed covers 1,100 square miles and overlies five groundwater basins. The District has no spreading facilities in the Antelope Valley. During the report period the groundwater levels continued to drop in the underlying groundwater basins. The groundwater level in the Lancaster Basin, as determined from Well 9974 continued its drop since 1921, recording a new historic low in September 1980.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT - WATER CONSERVATION DIVISION

RESERVOIR AND CHANNEL ABSORPTION EXCLUSIVE OF SPREADING GROUNDS

STREAM	REACH	YEAR	TOTAL RELEASE A.F.	ABSORPTION A.F.	EXCESS A.F.
Pacoima	Dam to Lined Channel	1977-78	39635	NA	NA
		1978-79	12020	NA	NA
		1979-80	25897	NA	NA
Tujunga	Mouth to Lined Channel	1977-78	90576	NA	NA
		1978-79	29976	NA	NA
		1979-80	69181	NA	NA
Arroyo Seco	Devils Gate Reservoir	1977-78	31804	NA	NA
		1978-79	4699	NA	NA
		1979-80	24661	NA	NA
Eaton Wash	Eaton Wash Dam	1977-78	0	NA	NA
		1978-79	0	NA	NA
		1979-80	0	NA	NA
Santa Anita	Dam to Lined Channel	1977-78	21712	1309	20403
		1978-79	6182	1920	4262
		1979-80	18450	1491	16959
Santa Fe Diversion	Santa Fe Dam to Sawpit Wash	1977-78	40699	NA	NA
		1978-79	12113	NA	NA
		1979-80	34730	NA	NA
San Gabriel	Mouth to Foothill Blvd.	1977-78	599990	119600	480390
		1978-79	155993	45156	110837
		1979-80	414158	100959	313199
San Gabriel	Foothill Blvd. to Santa Fe Dam	1977-78	482363	40951	441412
		1978-79	111999	25311	86688
		1979-80	319178	30922	288256
San Dimas	Dam to Lined Channel	1977-78	18364	4059	7688
		1978-79	7350	2553	4823
		1979-80	18715	2856	10424
Walnut	Puddingstone Dam to Lined Channel	1977-78	24890	420	24470
		1978-79	4122	432	3690
		1979-80	20371	401	19970
Thompson	Thompson Creek Reservoir	1977-78	NA	NA	NA
		1978-79	NA	NA	NA
		1979-80	NA	NA	NA

NA Not Available

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT WATER CONSERVATION DIVISION

SUMMARY OF DATA ON SPREADING FACILITIES OWNED AND OPERATED BY THE DISTRICT
UPDATED THROUGH SEPTEMBER 1980

SPREADING FACILITY	TYPE	SEASON FIRST USED	AREA IN ACRES		CAPACITIES				LOCATION	SOURCE OF WATER	REMARKS
			GROSS	WETTED	CHANNEL** CFS	INTAKE CFS	STORAGE A.F.	PERCOLATION* CFS			
ARROYO SECO	SHALLOW BASINS	1948-49	24	13	-	75	30	18	EASTERLY SIDE OF ARROYO SECO, LOWER END 0.5 MILES ABOVE DEVIL'S GATE DAM.	UNCONTROLLED FLOW FROM ARROYO SECO AND THE ALTADENA STORM DRAIN. CONTROLLED FLOW FROM CITY OF PASADENA.	SPREADING GROUNDS ARE HELD UNDER EASEMENT FROM THE CITY OF PASADENA.
BEN LOMOND	SHALLOW BASINS	1958-59	24	17	-	25	25	18	BOTH NORTH AND SOUTH SIDES OF SAN DIMAS WASH CHANNEL AT SOUTHWESTERLY CORNER OF INTERSECTION OF ARROW HIGHWAY AND BARRANCA 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.
BIG DALTON	SHALLOW BASINS	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 BASIN.	
BRANFORD	DEEP BASIN	1956-57	12	8	1,540	1,540	179	1	SOUTHWESTERLY OF ARLETA AVENUE ABOVE CONFLUENCE OF TUJUNGA WASH AND PACOIMA DIVERSION CHANNEL.	UNCONTROLLED FLOWS FROM BRANFORD STREET DRAIN.	OUTLET CAPACITY 1,540 CFS TO PACOIMA DIVERSION CHANNEL.
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 FROM SANTA FE DIVERSION 120 CFS.
CITRUS	SHALLOW BASINS	1960-61	19	15	-	25	20	28	SOUTH SIDE OF BIG DALTON WASH BETWEEN CITRUS AND CERRITOS AVENUES.	NONE.	AZUSA IRRIGATION COMPANY ABANDONED PIPELINE IN 1967; NO SPREADING OPERATIONS AFTER THAT DATE.
DOMINGUEZ GAP	DEEP BASINS	1957-58	54	31	-	20	254	3	SOUTH OF 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 CAPACITY IS 20 CFS FOR LOW FLOW DIVERSION FROM THE LOS ANGELES RIVER. THE WEST SIDE BASIN IS FED BY A 42-INCH CONCRETE PIPE FROM THE EAST SIDE BASIN.
EATON BASIN	DEEP BASIN	1956-57	16	11	9,600	400	280	10	EAST SIDE OF EATON WASH, 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.	
EATON WASH	DEEP & SHALLOW BASINS	1947-48	28	24	6,600	100	525	21	EASTERLY SIDE OF EATON WASH FROM BELOW EATON DAM TO FOOTHILL BOULEVARD.	CONTROLLED FLOW FROM EATON WASH DAM.	THREE DEEP BASINS COMPRISE 15 ACRES. THE SHALLOW STRIP BASINS TOTAL 13 ACRES.
FORBES	SHALLOW BASINS	1964-65	21	10	-	50	45	10	SOUTH SIDE OF SAN DIMAS WASH BETWEEN LONE HILL AVENUE AND VALLEY CENTER AVENUE.	CONTROLLED RELEASES FROM PUDDINGSTONE DIVERSION DAM AND LOCAL STORM RUNOFF FROM SAN DIMAS WASH.	
HANSEN	SHALLOW BASINS	1944-45	156	110	22,000	400	320	250	NORTHWESTERLY SIDE OF TUJUNGA WASH FROM ABOVE GLENOAKS BOULEVARD SOUTHWESTERLY TO SAN FERNANDO ROAD.	CONTROLLED FLOW FROM HANSEN DAM AND BIG TUJUNGA DAM.	
IRWINDALE	DEEP BASIN	1958-59	17	14	20,000	450	441	30	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.	
LITTLE DALTON	SHALLOW BASINS	1931-32	14	5	-	20	5	15	WESTERLY OF GLENDORA MT. ROAD, FROM LITTLE DALTON DEBRIS BASIN SOUTH TO EAST PALM DRIVE.	CONTROLLED FLOW FROM LITTLE DALTON DEBRIS BASIN.	
LIVE OAK	SHALLOW BASINS	1961-62	5	2	-	15	2	13	WESTERLY SIDE OF LIVE OAK WASH. NORTH OF BASE LINE ROAD (PROJECTED).	CONTROLLED FLOW FROM LIVE OAK DAM AND LIVE OAK DEBRIS BASIN.	
LOPEZ	SHALLOW BASINS	1956-57	19	13	-	25	25	15	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.

* 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 1980

SPREADING FACILITY	TYPE	SEASON FIRST USED	AREA IN ACRES		CAPACITIES				LOCATION	SOURCE OF WATER	REMARKS
			GROSS	WETTED	CHANNEL** CFS	INTAKE CFS	STORAGE A.F.	PERCOLATION* CFS			
PACOIMA	SHALLOW BASINS	1932-33	169	111	17,000	400	307	125	BOTH SIDES OF OLD PACOIMA WASH CHANNEL FROM ARLETA AVENUE SOUTHWESTERLY TO WOODMAN AVENUE.	CONTROLLED FLOW FROM PACOIMA DAM. PARTIALLY CONTROLLED FLOW FROM LOPEZ FLOOD CONTROL BASIN, UNCONTROLLED FLOW FROM EAST CANYON AND PACOIMA WASH.	IN JULY 1980 LOS ANGELES CITY BEGAN DELIVERING OWENS VALLEY WATER THROUGH OLDEN STREET OUTLET ON STETSON CANYON CHANNEL.
PECK ROAD	DEEP BASIN	1959-60	157	85	30,100	30,100	3,347	25	CONFLUENCE OF SAWPIT AND SANTA ANITA WASHES.	ALL FLOWS IN SAWPIT AND SANTA ANITA WASHES.	
RIO HONDO COASTAL	SHALLOW BASINS	1937-38	570	455	40,000	900	1,875	450	EASTERLY SIDE OF RIO HONDO SOUTHERLY FROM U.P.R.R. (SOUTH OF WHITTIER BLVD.) 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 2,500 ACRE-FOOT POOL AT WHITTIER NARROWS DAM FOR RETENTION OF STORM WATERS. FLOCCULENT FACILITY ADDED AT WHITTIER NARROWS DAM IN 1967.
SAN DIMAS CANYON	SHALLOW BASINS	1965-66	22	11	-	25	22	12	SOUTHEAST SIDE OF SAN DIMAS WASH BETWEEN PUDDINGSTONE DIVERSTION AND SAN DIMAS CANYON ROAD.	CONTROLLED RELEASES FROM PUDDINGSTONE DIVERSION DAM; UNCONTROLLED FLOW FROM SAN DIMAS WASH.	
SAN GABRIEL CANYON	DEEP & SHALLOW BASINS	1917	165	-	-	50	-	35	EASTERLY SIDE OF SAN GABRIEL RIVER. BELOW MOUTH OF SAN GABRIEL 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. RECEIVES SURPLUS WATER FROM THE COMMITTEE OF NINE. TWO DEEP BASINS ARE CURRENTLY BEING EXCAVATED REPLACING DITCHES AND CHECK LEVEES.
SAN GABRIEL COASTAL	SHALLOW BASINS	1938-39	128	91	-	300	316	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, CONTROLLED RELEASES FROM WHITTIER NARROWS DAM, UNCONTROLLED VALLEY RUNOFF BELOW WHITTIER NARROWS DAM VIA SAN GABRIEL RIVER; ALSO IMPORTED AND RECLAIMED 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.
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.
SANTA ANITA	SHALLOW BASINS	1944-45	20	8	-	20	25	10	WESTERLY SIDE OF SANTA ANITA WASH 1.25 MILES ABOVE FOOTHILL BOULEVARD.	CONTROLLED FLOW FROM SANTA ANITA DAM AND SANTA ANITA DEBRIS BASIN.	THE HEADWORKS LOCATED UPSTREAM OF THE DEBRIS BASIN DIVERTS WATER TO SANTA ANITA SPREADING GROUNDS AND CITY OF SIERRA MADRE SPREADING GROUNDS.
SANTA FE	SHALLOW BASINS	1953-54	338	308	-	500	526	400	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 30 ACRE IN SAN GABRIEL RIVER BED FOR EARTH DIVERSION LEVEE. CONSTRUCTION OF THE 605 FREEWAY REDUCED THE SPREADING AREA IN THE RESERVOIR AND A SUBSTITUTE AREA WAS PROVIDED DOWNSTREAM OF THE SPILLWAY FLOCCULANT FACILITY ADDED IN 1976.
SAWPIT	SHALLOW BASINS	1946-47	12	4	-	30	13	12	WESTERLY SIDE OF SAMPIT WASH BELOW MOUTH OF CANYON AT HEAD OF NORUMBEGA DRIVE, MONROVIA.	CONTROLLED FLOWS FROM SAWPIT DAM AND SAWPIT DEBRIS BASIN.	
WALNUT	DEEP BASIN	1962-63	16	8	8,000	90	166	5	WEST SIDE OF WALNUT WASH, NORTH OF SAN BERNARDINO FREEWAY.	CONTROLLED FLOW FROM PUDDINGSTONE DAM AND UNCONTROLLED FLOW FROM WALNUT WASH CHANNEL; EXCESS WATER FROM COVINA IRRIGATING COMPANY.	
TOTAL:			2,369 AC.	1,702 AC.	-	-	8,967 A.F.	1,889 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 WATER SPREAD AT GROUNDS OWNED AND OPERATED BY THE DISTRICT
UPDATED THROUGH SEPTEMBER 1980

RECORD OF LOCAL WATER SPREAD ACRE - FEET

WATER YEAR	SAN FERNANDO VALLEY				SAN GABRIEL VALLEY - FOOTHILLS								SUBTOTAL	WATER YEAR
	BRANFORD	HANSEN	LOPEZ	PACOIMA	ARROYO SECO	BIG DALTON	EATON S.G.	LITTLE DALTON	LIVE OAK	SAN GABRIEL CANYON *	SANTA ANITA	GANPIT		
1930-31						10							10	1930-31
32						394		160					554	32
33				26		0		0					26	33
34				230		100		0					330	34
35				1,200		131		0					1,331	35
36				2,000		0		0					2,000	36
37				4,680		866		275					5,821	37
38				3,844		397		287					4,528	38
39				363		49		12					424	39
40				907		0		0					907	40
41				9,775		1,528		1,166					12,469	41
42				37		0		0					37	42
43				3,744		1,191		1,084					6,019	43
44				7,223		543		469					8,235	44
45		7,651		1,467		64		290			337		9,809	45
46		2,268		514		47		73			0		2,902	46
47		8,725		3,763		174		89			141	89	12,981	47
48		0		0		0	1	0			0	0	1	48
49		0		0	108	88	0	0			0	8	204	49
50		0		245	283	66	61	28			0	0	683	50
51		0		0	19	0	0	0			0	19	38	51
52		16,780		6,121	986	856	1,196	563			448	517	27,467	52
53		1,271		1,651	216	3	0	9			58	56	3,264	53
54		1,014		1,891	455	370	190	161			265	0	4,346	54
55		0		205	197	0	0	0			145	0	547	55
56		2		566	301	180	181	30			161	180	1,601	56
57	38	0	28	475	397	16	0	11			2	38	1,005	57
58	20	18,407	1,030	10,922	2,088	2,380	861	658			1,576	978	38,920	58
59	+	1,023	0	352	352	145	130	22			185	199	2,408	59
60	6	0	0	379	0	0	0	0			810	38	1,233	60
61	183	0	0	78	0	27	0	0			304	29	621	61
62	402	12,570	673	5,635	1,103	1,212	1,021	394	38		664	547	24,259	62
63	415	0	52	643	249	77	7	43	+		449	126	2,061	63
64	376	0	212	1,206	317	165	24	18	0		327	135	2,780	64
65	563	0	0	1,199	744	193	324	100	0		575	161	3,859	65
66	391	19,806	1,020	11,701	1,036	2,063	2,000	987	89		1,641	1,367	42,101	66
67	623	31,383	1,472	22,800	1,828	3,766	1,450	1,846	330		1,563	2,458	69,519	67
68	339	9,836	1,938	1,819	855	848	305	187	0		638	790	17,555	68
69	461	32,464	893	14,262	609	2,074	3,249	335	903		494	321	55,965	69
70	724	11,927	0	1,577	195	562	483	220	45	19,583	1,415	769	37,500	70
71	507	11,638	727	4,049	645	888	583	226	0	14,037	334	529	34,163	71
72	161	1,932	0	1,113	173	44	0	23	0	6,481	31	216	10,174	72
73	430	11,755	0	6,343	1,214	1,253	1,689	484	87	12,727	738	1,396	38,116	73
74	285	6,286	946	2,391	1,478	1,130	1,581	136	0	14,233	427	1,043	29,936	74
75	681	5,423	915	2,476	665	237	337	46	13	15,225	59	808	26,885	75
76	468	3,128	562	1,307	439	390	295	19	3	9,904	36	581	17,132	76
77	378	2,656	63	1,944	374	0	218	0	9	7,140	0	487	13,269	77
78	314	28,121	445	20,473	3,475	3,601	3,686	1,547	943	9,960	724	2,254	75,543	78
79	301	24,696	1,018	12,037	2,188	2,047	1,103	748	0	9,717	832	1,388	56,075	79
80	397	31,087	1,097	15,271	1,727	2,938	1,694	694	188	9,083	782	2,328	67,286	80
TOTAL:	8,463	301,849	13,091	190,904	24,716	33,113	22,669	13,440	2,548	128,090	16,161	19,855	774,899	

* The District took over operation of this facility in November of 1969.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT WATER CONSERVATION DIVISION

SUMMARY OF WATER SPREAD AT GROUNDS OWNED AND OPERATED BY THE DISTRICT
UPDATED THROUGH SEPTEMBER 1980

RECORD OF LOCAL WATER SPREAD ACRE - FEET

	MAIN SAN GABRIEL VALLEY											COASTAL PLAIN						
WATER YEAR	BEN LOMOND S.G.	BUENA VISTA S.B.	CITRUS S.G.	EATON S.B.	FORBES S.B. SAN DIMAS S.D.(C)	IRWINDALE S.B.(A)	PECK ROAD S.B.	SAN DIMAS CANYON S.G.(B)	SAN GABRIEL SYSTEM UPPER (D)	SANTA FE S.G.	WALNUT S.B.	DOMINGUEZ S.B.	LAGUNA S.B.	SAN GABRIEL RIO HONDO SYSTEM (F)	SAN GABRIEL SYSTEM LOWER (E)	WALTERIA S.B.	TOTAL	WATER YEAR
1930-31																	10	1930-31
32																	554	32
33																	26	33
34																	330	34
35																	1,331	35
36																	2,000	36
37																	5,821	37
38														3,660			8,188	38
39														0	2,603		3,027	39
40														1,702	0		2,609	40
41														9,830	4,684		26,983	41
42														2,170	0		2,207	42
43														0	0		6,019	43
44														0	0		8,235	44
45														0	0		9,809	45
46														9,548	0		12,450	46
47														4,842	384		18,207	47
48														3,760	0		3,761	48
49														0	0		204	49
50														0	0		683	50
51														0	0		38	51
52														400	5,412		33,279	52
53														3,368	4,023		10,655	53
54										3,500				4,621	4,859		17,326	54
55		10								0				0	9,518		10,075	55
56		227								0				1,924	5,869		9,621	56
57		817		260						0				7,486	7,789		17,357	57
58		2,731		1,236						12,752		107		45,406	46,474		147,626	58
59	1,431	1,087		441		242 (A)				181		87		16,824	16,009		38,710	59
60	1,055	1,234		501		934 (A)	986			59		80		15,161	7,669		28,912	60
61	732	700	1,133	165		256	478			30		360		7,223	4,874		16,572	61
62	2,857	869	2,194	902		1,817	8,876	50		11,818	292	2,414	0	25,414	19,932		101,694	62
63	2,428	273	1,292	532		593	1,895	286		121	367	1,406	+	11,369	5,405	289	28,317	63
64	1,008	195	906	869	5	1,126	1,841	62		120	502	544	+	10,027	3,979	135	24,099	64
65	1,435	945	1,287	1,007	331	2,121	2,490	3		6,287	0	1,248	+	13,043	4,481	244	38,781	65
66	3,799	854	4,010	783	0	3,317	13,018	2,413	45,730	23,502	1,412	803	+	33,067	14,437	537	189,783	66
67	6,444	2,192	1,064	1,046	1,199	6,792	17,052	2,099	51,160	73,910	2,147	373	+	38,579	22,392	436	296,404	67
68	5,096	262	0	605	0	4,603	2,616	2,180	1,784	17,501	1,201	274	+	27,789	11,875	468	93,809	68
69	3,447	2,231	0	1,104	0	7,339	7,543	4,836	55,585	42,523	2,016	375	+	69,056	50,340	525	302,885	69
70	5,912	299	0	333	0	490	4,044	2,604	18,368	8,396	1,120	187	+	24,671	28,247	152	132,323	70
71	3,018	387	0	0	0	313	3,954	1,490	9,275	14,016	532	1,521	+	24,368	20,389	272	113,698	71
72	1,414	195	0	359	0	879	1,555	484	3,990	4,443	233	1,109	+	10,962	6,726	165	42,688	72
73	5,109	502	0	1,158	0	2,796	6,460	1,318	22,327	43,923	669	1,074	+	33,066	12,016	435	168,969	73
74	3,936	389	0	1,096	0	1,623	5,895	1,052	7,379	18,737	547	610	+	20,627	9,169	206	101,202	74
75	1,286	184	0	527	652	1,310	985	786	5,781	4,151	613	1,130	+	19,305	10,360	577	74,532	75
76	1,267	864	0	716	16	1,118	2,023	333	9,904	970	310	326	+	14,310	9,298	(G)	58,587	76
77	1,535	436	0	666	249	1,220	3,409	289	135	3,711	410	673	+	14,087	8,121	N/A	48,210	77
78	3,304	777	0	1,130	1,197	7,553	19,204	4,183	51,929	82,233	1,540	615	(G)	61,342	39,586	(G)	**350,136**	78
79	6,211	512	0	532	587	2,236	9,227	4,031	20,430	53,067	1,751	876	(G)	51,609	19,722	(G)	226,866	79
80	4,963	481	0	727	646	5,627	14,113	3,816	33,905	48,129	1,079	588	(G)	67,067	39,753	(G)	288,180	80
TOTAL	67,687	19,653	11,886	16,695	4,882	54,305	127,664	32,315	337,682	474,080	16,741	16,780		707,683	456,395	4,441	**3,123,788**	

(A) Includes Metropolitan Water District water purchased under contract with San Gabriel Valley Labor Association.
(B) San Dimas Canyon water spread prior 1965-66 in temporary development below Puddingstone Diversion.
(C) San Dimas Spreading development inoperative after 1968-69 water year.
(D) San Gabriel River from Sante Fe Dam to rising water. Hook levees developed in river, 1965.
(E) San Gabriel River from Whittier Narrows Dam to Florence Avenue; (Hook levees developed in river, 1954) and the San Gabriel Coastal Spreading Grounds.
(F) Spreading grounds only up through 1967-68 water year, thereafter figures include Whittier Narrows Dam (Rio Hondo side) percolation.
(G) Water spread, no records kept.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT WATER CONSERVATION DIVISION

SUMMARY OF DATA ON SPREADING FACILITIES NOT OWNED BY THE DISTRICT
UPDATED THROUGH SEPTEMBER 1980

GROUNDS	TYPE	SEASON FIRST USED	AREA IN ACRES		CAPACITIES				LOCATION	SOURCE OF WATER	REMARKS
			GROSS	WETTED	CHANNEL**	INTAKE	STORAGE	PERCOLATION			
					CFS	CFS	A.F.	CFS			
GROUNDS IN WHICH DISTRICT DOES CONSTRUCTION MAINTENANCE AND SOME OPERATIONS:											
SIERRA MADRE	SHALLOW BASINS	ABOUT 1933	22	9	-	25	47	18	CITY OF SIERRA MADRE, SOUTH SIDE OF GRANDVIEW AVENUE, ONE HALF MILE WEST OF SANTA ANITA AVENUE.	LITTLE SANTA ANITA CREEK AND STREET RUNOFF ONLY PRIOR TO 1951-52. STARTING IN 1951-52 ALSO CONTROLLED FLOWS FROM SANTA ANITA DAM.	NO RECORDS OF WATER SPREAD PRIOR TO 1951-52. GROUNDS REBUILT IN 1951. ULTIMATE CAPACITY ESTIMATED 25 CFS. THREE BASINS ADDED IN SUMMER OF 1959.
FISH CREEK	SHALLOW BASINS	ABOUT 1917	6	4	-	-	-	7	WESTERLY SIDE OF SAN GABRIEL RIVER BELOW MOUTH OF FISH CANYON AND NORTH OF THE CITY OF AZUSA.	SAN GABRIEL RIVER, CONTROLLED RELEASES FROM COGSWELL DAM, SAN GABRIEL DAM, AND MORRIS DAM, VIA DUARTED DITCH.	DISTRICT DELIVERS WATER, DOES HYDROGRAPHIC WORK AND SOME CONSTRUCTION. SOME WATER ALSO PERCOLATES IN SAN GABRIEL RIVER IN VICINITY OF SPREADING GROUNDS AND IN BRUSH LAND WHERE IRRIGATION WASTE LINES DISCHARGE. NO SEPARATE RECORDS KEPT PRIOR TO 1926-27.
THOMPSON CREEK	DITCHES CHECKS AND DEEP BASIN	ABOUT 1928	53	37	-	70	-	37	SOUTHERLY FROM, AND ADJACENT TO THOMPSON CREEK DAM, EAST SIDE OF CREEK.	COBAL, WILLIAMS, PALMER, AND PADUA CREEKS, ALSO THOMPSON CREEK, WHEN RESERVOIR ABOVE ELEVATION 1,625.	HELD UNDER EASEMENT BY THE DISTRICT, OPERATED BY POMONA VALLEY PROTECTIVE ASSOCIATION. IN ADDITION TO THE 53 ACRES, SOME AREA WITHIN THOMPSON CREEK RESERVOIR IS USED TO SPREAD STORM FLOWS. WATER SPREAD IN AREA SINCE ABOUT 1918.
SAN ANTONIO	DITCHES CHECKS AND SHALLOW BASINS	1921-22	598	300	8,000	900	-	300	BOTH SIDES OF SAN ANTONIO CREEK FROM TWO AND ONE HALF MILES ABOVE BASE LINE SOUTH-WESTERLY TO BASE LINE.	CONTROLLED RELEASES FROM THE SAN ANTONIO FLOOD CONTROL DAM.	HELD UNDER EASTMENT BY THE DISTRICT OPERATED BY POMONA VALLEY PROTECTIVE ASSOCIATION. WEST SIDE OF CHANNEL 500 ACRES. EAST SIDE OF CHANNEL 98 ACRES. IN ADDITION THERE ARE 207 ACRES EAST OF CHANNEL IN SAN BERNARDINO COUNTY; WATER SPREAD IN VICINITY ON AND OFF AS EARLY AS ABOUT 1896.
TOTALS:			679	-	-	-	-	362			
GROUNDS CONTROLLED BY OTHERS. THE DISTRICT COOPERATING:											
HEADWORKS	SHALLOW BASINS	1938-39	48	28	57,000	-	40	40	SAN FERNANDO VALLEY, SOUTH OF LOS ANGELES RIVER, ABOVE MARIPOSA STREET.	LOS ANGELES RIVER. PARTIALLY CONTROLLED BY VARIOUS DAMS. RELEASE OF OWENS VALLEY WATER FROM CHATSWORTH RESERVOIR. GROUNDWATER FROM WELLS IN THE WEST END OF SAN FERNANDO VALLEY.	CRYSTAL SPRINGS INFILTRATION AREA, NOT REGULAR SPREADING GROUNDS. WATER PUMPED OUT FROM COLLECTING GALLERIES UNDER AREA. IN OCTOBER 1958 A 130-FOOT COLLAPSIBLE RUBBER DAM WAS INSTALLED ACROSS LOS ANGELES RIVER.
L.A.CITY DEPT. OF WATER AND POWER TUJUNGA	SHALLOW BASINS	1931-32	188	130	22,000	400	-	390	SAN FERNANDO VALLEY, EAST SIDE OF TUJUNGA WASH AT ROSCOE BOULEVARD.	LOS ANGELES CITY'S OWENS VALLEY ACQUEDUCT AND CONTROLLED RELEASES FROM HANSEN DAM.	PRIOR TO 1938 FLOOD, USED 80 ACRES NET. TUJUNGA CHANNEL ON WESTERLY SIDE OF GROUNDS PAVED IN 1950.
CITY OF POMONA	DITCHES CHECKS AND SHALLOW BASINS	(SEE REMARKS)	10	8	-	-	-	-	NORTH OF CLAREMONT, ONE HALF MILE NORTH OF FOOTHILL BOULEVARD AND ONE-EIGHTH MILE WEST OF MILLS AVENUE.	SAN ANTONIO CREEK WATER DELIVERED THROUGH LOOP RESERVE CANYON WATER COMPANY'S PIPE LINE. ALSO SOME LOCAL RUNOFF.	WATER SPREAD IN VICINITY ON AND OFF SINCE ABOUT 1897. GROUND ACQUIRED BY CITY OF POMONA, OCTOBER 1926. NO RECORD OF WATER SPREAD PRIOR TO 1949-50. DEEP BASIN COMPLETED IN 1957.
TOTALS:			246	166	-	-	-				

* 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 WATER SPREAD IN GROUNDS NOT OWNED BY THE DISTRICT THROUGH SEPTEMBER 1980

RECORD OF WATER SPREAD ACRE - FEET

	GROUNDS IN WHICH DISTRICT DOES CONSTRUCTION, MAINTENANCE, AND SOME OPERATIONS						GROUNDS CONTROLLED BY OTHERS, THE DISTRICT COOPERATING					
	CITY OF SIERRA MADRE		CALIFORNIA AMERICAN	SAN GABRIEL SPREADING CORPORATION			LOS ANGELES CITY DEPT. OF WATER AND POWER					
SEASON	SANTA ANITA WATER	LOCAL WATER	FISH CANYON (G)	CANYON BASIN (F)	MAIN BASIN	THOMPSON CREEK (B)	SAN ANTONIO (B)	CITY OF POMONA	TUJUNGA	HEADWORKS	TOTAL	SEASON
1919-20				7,974							7,974	1919-20
21				10,082							10,082	21
22				6,132			(C)				6,132	22
23				12,408			(C)				12,408	23
24				5,069			(C)				5,069	24
25				2,878			(C)				2,878	25
26				8,443			(C)				8,443	26
27				18,560	2,707		8,090	(C)			29,357	27
28				17,537	3,270	(C)	(C)	(C)			20,807	28
29				15,615	3,501	(C)	(C)	(C)			19,116	29
30				16,607	5,898	(C)	(C)	(C)			22,505	30
31				8,360	5,827	(C)	201	(C)			14,388	31
32				25,328	12,106	(C)	7,801	(C)	20,338		65,573	32
33				13,386	6,620	(C)	111	(C)	26,873		46,990	33
34		(C)		12,401	4,506	(C)	630	(C)	20,795		38,332	34
35		(C)		34,315	17,692	(C)	6,834	(C)	24,775		83,616	35
36		(C)		17,997	6,975	(C)	1,652	(C)	19,310		45,934	36
37		(C)		33,814	20,297	(C)	22,552	(C)	8,736		85,399	37
38		(C)		31,627	13,134	(C)	15,000	(C)	5,732		65,493	38
39		(C)		17,815	6,194	(C)	1,433	(C)	12,258	(D)	37,700	39
40		(C)		19,304	8,344	0	2,670	(C)	3,024	(D)	33,542	40
41		(C)		45,618	13,298	563	28,093	(C)	3,446	(D)	91,018	41
42		(C)		21,392	8,241	0	83	(C)	11,290	(D)	41,006	42
43		(C)		24,502	7,702	505	26,000	(C)	12,134	(D)	70,843	43
44		(C)		31,130	9,820	37	10,270	(C)	3,192	(D)	54,449	44
45		(C)		34,681	14,467	18	4,957	(C)	0	17,518	71,641	45
46		(C)		23,351	12,745	5	3,271	(C)	0	21,141	60,513	46
47		(C)		23,716	8,936	0	5,801	(C)	1,686	18,738	58,877	47
48		(C)		4,796	2,218	0	6	(C)	0	19,016	26,036	48
49		(C)		2,874	1,343	0	0	(C)	0	6,451	10,668	49
50		(C)		9,125	2,590	0	55	450+	762	7,691	20,673	50
51		(C)		1,378	622	0	3	0	2,355	4,917	9,275	51
52	1,547	384		27,847	8,361	163	10,467	952	7,269	1,524	58,514	52
53	257	5		15,765	5,705	0	1,011	357	0	7,424	30,524	53
54	470	113		18,021	4,960	0	3,150	916	0	6,648	34,278	54
55	288	50		20,328	6,096	0	0	838	0	10,867	38,467	55
56	349	80		19,135	8,406	0	927	660	0	6,553	36,110	56
57	295	36		16,225	6,199	0	-0	1,341	0	4,784	28,880	57
58	3,897	313		47,419	7,616	164	12,881	3,026	0	6,278	81,594	58
59	343	14		24,538	6,176(A)	0	0	2,820	0	9,045	42,956	59
60	43	2		6,111	(E)	0	0	963	0	8,040	15,159	60
61	41	2		2,534		0	0	12	0	6,121	8,710	61
62	1,313	219		34,008		27	2,525	234	6,894	10,642	55,862	62
63	874	21		25,345		0	0	73	0	10,279	36,392	63
64	427	54		12,785		0	0	70	0	11,312	24,648	64
65	905	99		17,463		0	+	71	0	12,881	31,419	65
66	4,075	386		22,981		0	13,056	508	4,537	11,783	57,326	66
67	4,236	767		34,415		45	10,727	856	8,331	8,870	68,247	67
68	1,723	107		26,955		21	549	407	0	11,860	41,622	68
69	1,871	2,024		17,733		850	29,960	340	16,728	6,698	76,204	69
70	521	67	7,635	1,697(H)		0	365	242	2,380	11,021	23,928	70
71	1,299	118	10,968			0	26	251	399	6,904	19,865	71
72	857	17	5,303			0	45(J)	127	0	7,389	13,738	72
73	3,017	376	7,619			0	6,725(J)	851	2,274	5,182	26,044	73
74	2,786	114	9,170			0	330(J)	297	0	6,205	18,902	74
75	2,179	115	7,403			21	9	263	9,224	4,070	23,284	75
76	1,150	16	5,990			0	153	338	5,300	3,837	16,984	76
77	919	41	5,297			10	273	197	16	3,137	9,890	77
78	3,544		7,674			253	30,152	541	31,068	3,200	76,432	78
79	3,735		9,737			61	2,686	253	71,945	2,463	81,143	79
80	2,777		8,865			194	23,125	747	19,931	5,448	61,087	80
TOTAL	51,061	5,540	85,663	924,038	252,772	2,937	294,655	19,001	263,202	305,837	2,315,146	

(A) Beginning in 1958-59, this excludes canyon water spread at Ben Lomond.
(B) Operated by Pomona Valley Protective Association.
(C) Water spread, no records kept.
(D) Daily measurements made. Total volume not computed.
(E) East Side Water Committee discontinued keeping records as of 1959-60 season. The San Gabriel Spreading Corporation was dissolved in the Spring of 1965. The Canyon Basin Spreading Grounds were then operated by the Committee of Nine until November 1969, at which time the Flood Control District took over operations.
(F) Water Spread, records not available.
(G) Previously to 1969-70 Fish Canyon Spreading Grounds records were incorporated into San Gabriel Canyon Spreading Grounds.
(H) The District took over operation of this facility in November 1969.
(J) Record supplied by Pomona Valley Protective Association.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT WATER CONSERVATION DIVISION

DISTRIBUTION OF IMPORTED WATER THROUGH SEPTEMBER 1980
(ACRE - FEET)

	WATER FOR UPPER SAN GABRIEL VALLEY				WATER FOR COASTAL PLAIN					
WATER YEAR	SANTA FE SPREADING GROUND (F)	SAN GABRIEL RIVER CANYON (A)	SAN GABRIEL SYSTEM UPPER	SUBTOTAL	MAIN SAN GABRIEL BASIN (B)	SAN GABRIEL SYSTEM LOWER	RIO HONDO SYSTEM (D)	SUBTOTAL	TOTAL IMPORTED	WATER YEAR
1953-54					15,610	7,760	7,230	30,600	30,600	1953-54
55					8,750	4,770	9,730	23,250	23,250	55
56					18,820	16,920	14,990	50,730	50,730	56
57					15,220	18,120	20,400	53,740	53,740	57
58					13,557	26,644	64,911	105,112	105,112	58
59					6,013	24,338	24,069	54,420	54,420	59
60					10,959	32,227	37,450	80,636	80,636	60
61					25,740	51,090	70,166	146,996	146,996	61
62					28,164	77,183	102,781	208,128	208,128	62
63					12,418	38,798	29,411	80,627	80,627	63
64					18,820	40,150	45,917	104,887	104,887	64
65			12,400	12,400	29,700	69,995	66,510	166,205	178,605	65
66			12,600	12,600	21,140	38,625(C)	62,735	122,500	135,100	66
67			29,871	29,871	16,699	20,813	46,322	83,834	113,705	67
68			22,170	22,170	16,481	12,402	66,501	95,384	117,554	68
69			18,567	18,567	326	4,895	12,442	17,663	36,230	69
70			0	0	7,900	35,164	25,800	68,864	68,864	70
71			0	0	9,250	21,211	41,802	72,263	72,263	71
72	2,312	604	0	2,916	4,650	14,077	15,413	34,140	37,056	72
73	5,477	1,611	0	7,088	11,472	32,823	47,712	92,007	99,095	73
74	12,376	5,370	0	17,746	11,952	33,771	46,345	92,068	109,814	74
75	17,885	9,439	0	27,324	3,557	32,974	34,166	70,697	98,021	75
76	16,438	13,461(E)	0	29,899	12,971	19,611	18,202	50,784	80,683	76
77	8,208	11,834	0	20,042	6,422	5,462	18,767	30,651	50,693	77
78	4,414	1,021	0	5,435	5,966	11,249	22,716	39,931	45,366	78
79	2,845	2,443	0	5,288	10,899	15,323	39,259	65,481	70,769	79
80	4,138	7,767	0	11,905	1,502	6,602	13,061	21,165	33,070	80

(A) San Gabriel River from Morris Dam to Santa Fe Spreading Grounds.
(B) Includes unidentifiable minor losses.
(C) 6,500 Acre-feet make-up water purchased by the Upper San Gabriel Valley Municipal Water District and spread in the Lower San Gabriel System.
(D) Rio Hondo Spreading Grounds and Whittier Narrows Reservoir.
(E) Approximately 15,948 Acre-feet State Project Water held in temporary Cyclic Storage in the Upper San Gabriel System.
(F) Water conserved to include area from Foothill Boulevard, Finger Levees and Reservoir.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT WATER CONSERVATION DIVISION

DISTRIBUTION OF RECLAIMED WATER THROUGH SEPTEMBER 1980
(ACRE - FEET)

	WHITTIER NARROWS PLANT			SAN JOSE PLANT		
WATER YEAR	RIO HONDO SYSTEM	SAN GABRIEL SYSTEM LOWER	SUBTOTAL	SAN GABRIEL SYSTEM LOWER	TOTAL RECLAIMED	WATER YEAR
1953-54 55						1953-54 55
56						56
57						57
58						58
59						59
60						60
61						61
62	1,178	0	1,178		1,178	62
63	12,405	0	12,405		12,405	63
64	9,115	4,145	13,260		13,260	64
65	9,662	4,867	14,529		14,529	65
66	11,926	3,129	15,055		15,055	66
67	14,117	2,106	16,223		16,223	67
68	16,300	1,975	18,275		18,275	68
69	6,105	7,772	13,877		13,877	69
70	13,474	3,683	17,157		17,157	70
71	11,128	8,367	19,495		19,495	71
72	12,584	4,959	17,543		17,543	72
73	12,238	1,440	13,678	8,327	22,005	73
74	10,877	2,560	13,437	7,956	21,393	74
75	13,799	877	14,676	7,207	21,883	75
76	11,158	1,236	12,394	9,061	21,455	76
77	7,157	3,002	10,159	12,705	22,864	77
78	9,442	3,940	13,382	5,998	19,380	78
79	8,132	2,628	10,760	11,739	22,499	79
80	9,833	4,734	14,567	9,815	24,382	80
TOTAL	200,630	61,420	262,050	72,808	334,858	

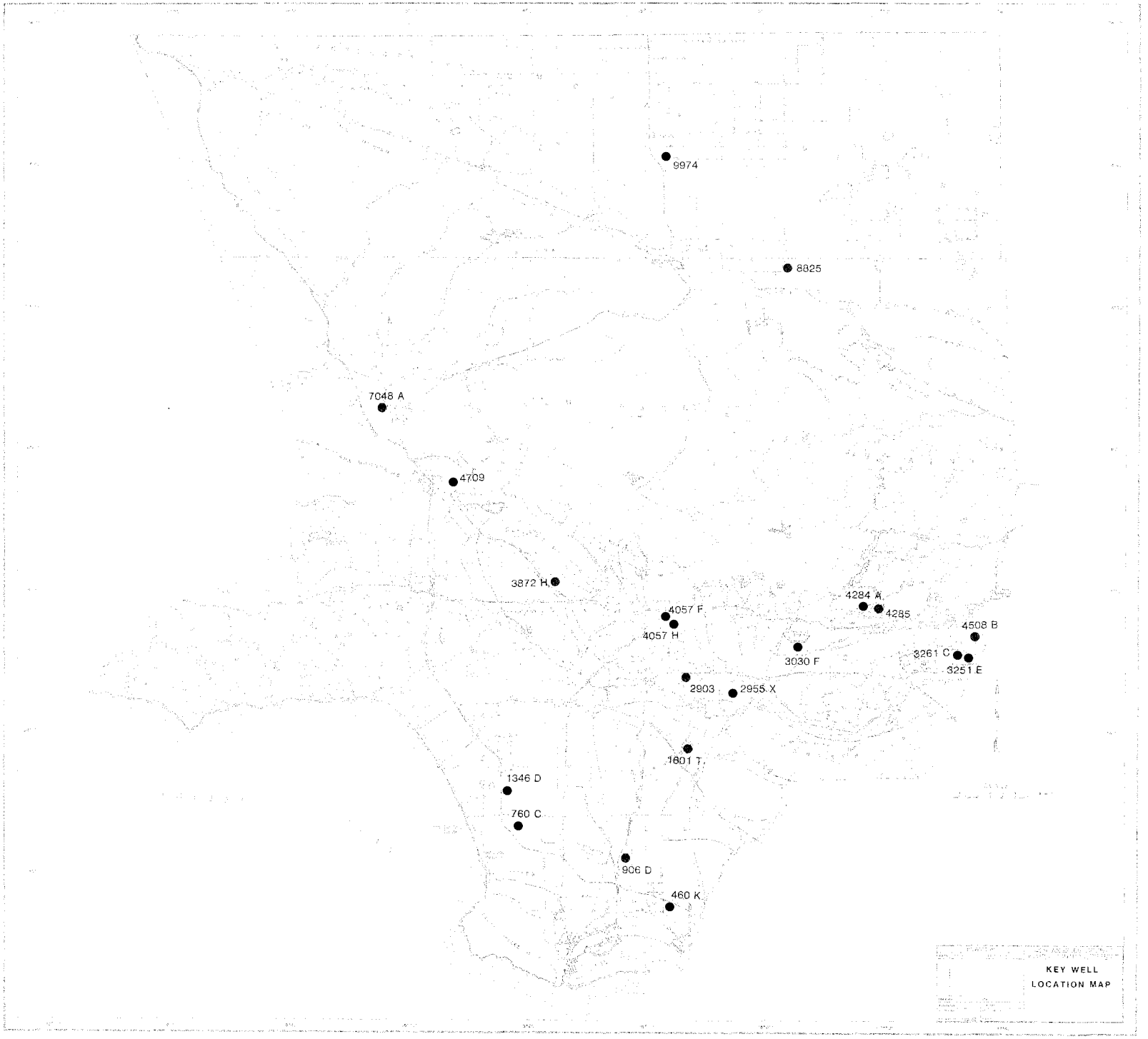
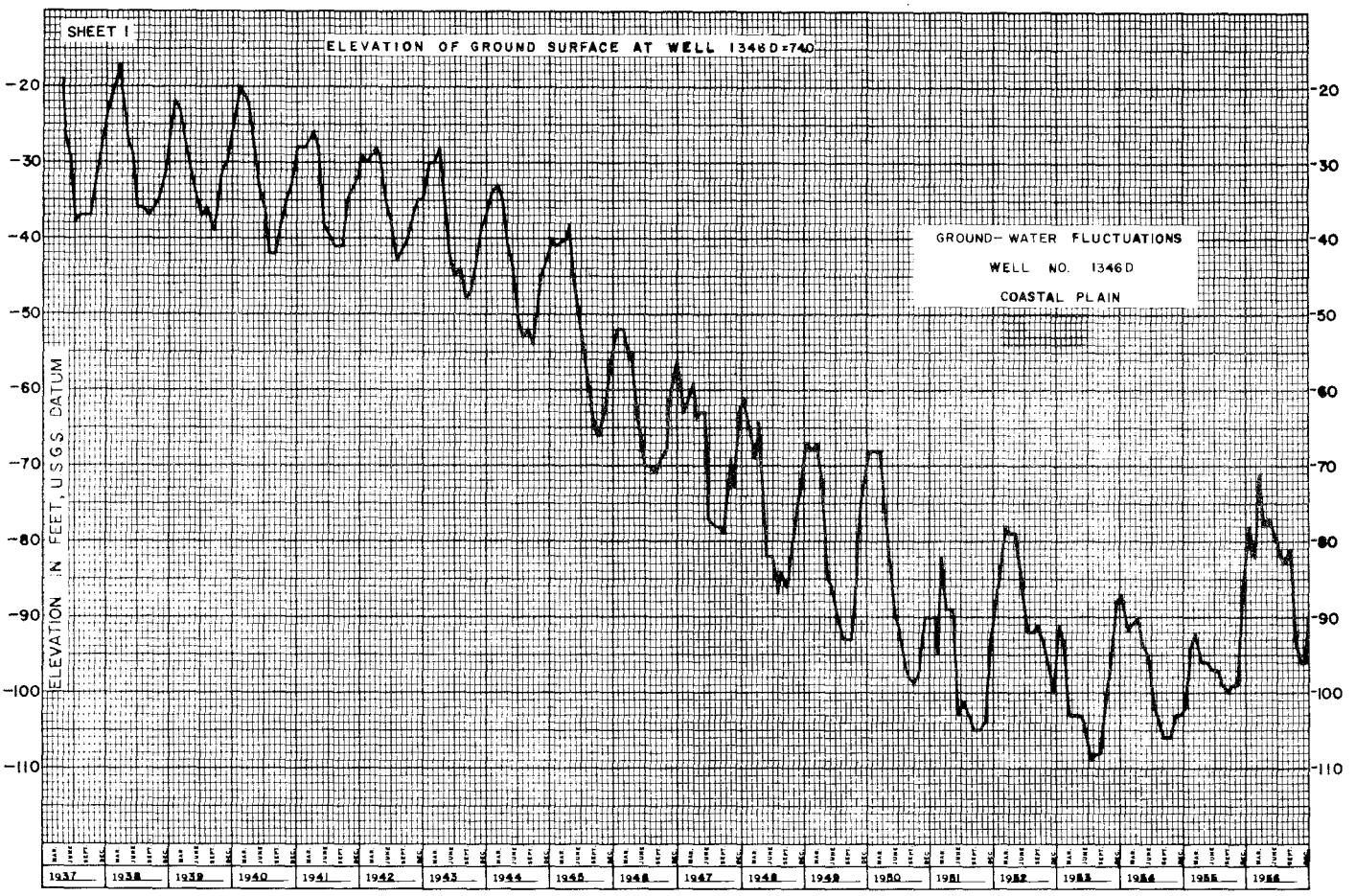
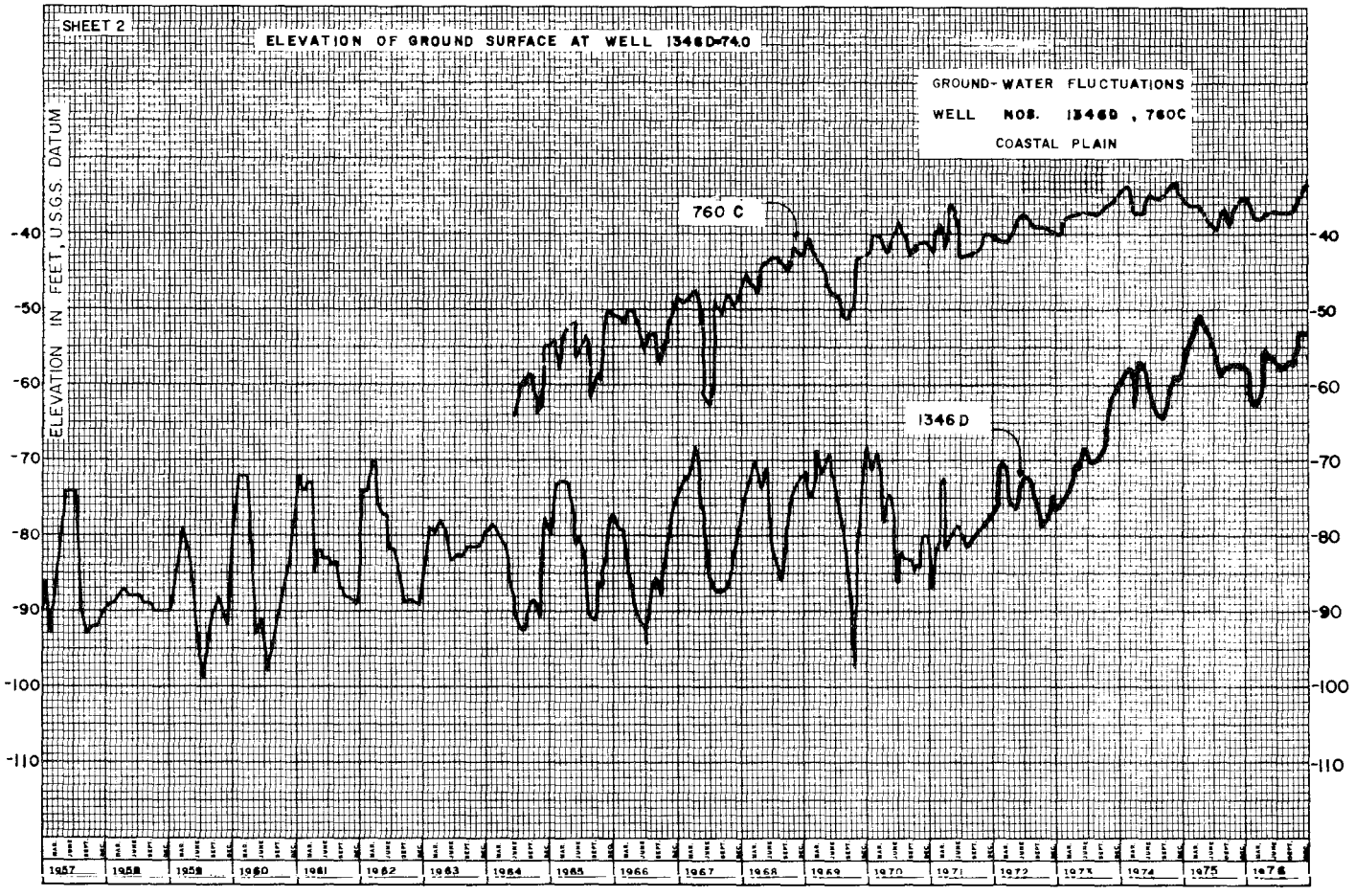

9974
8825
7048 A
4709
3872 H
4057 F
4057 H
4284 A
4285
4508 B
3261 C
3251 E
3030 F
2903
2955 X
1601 T
1346 D
760 C
906 D
460 K
KEY WELL
LOCATION MAP

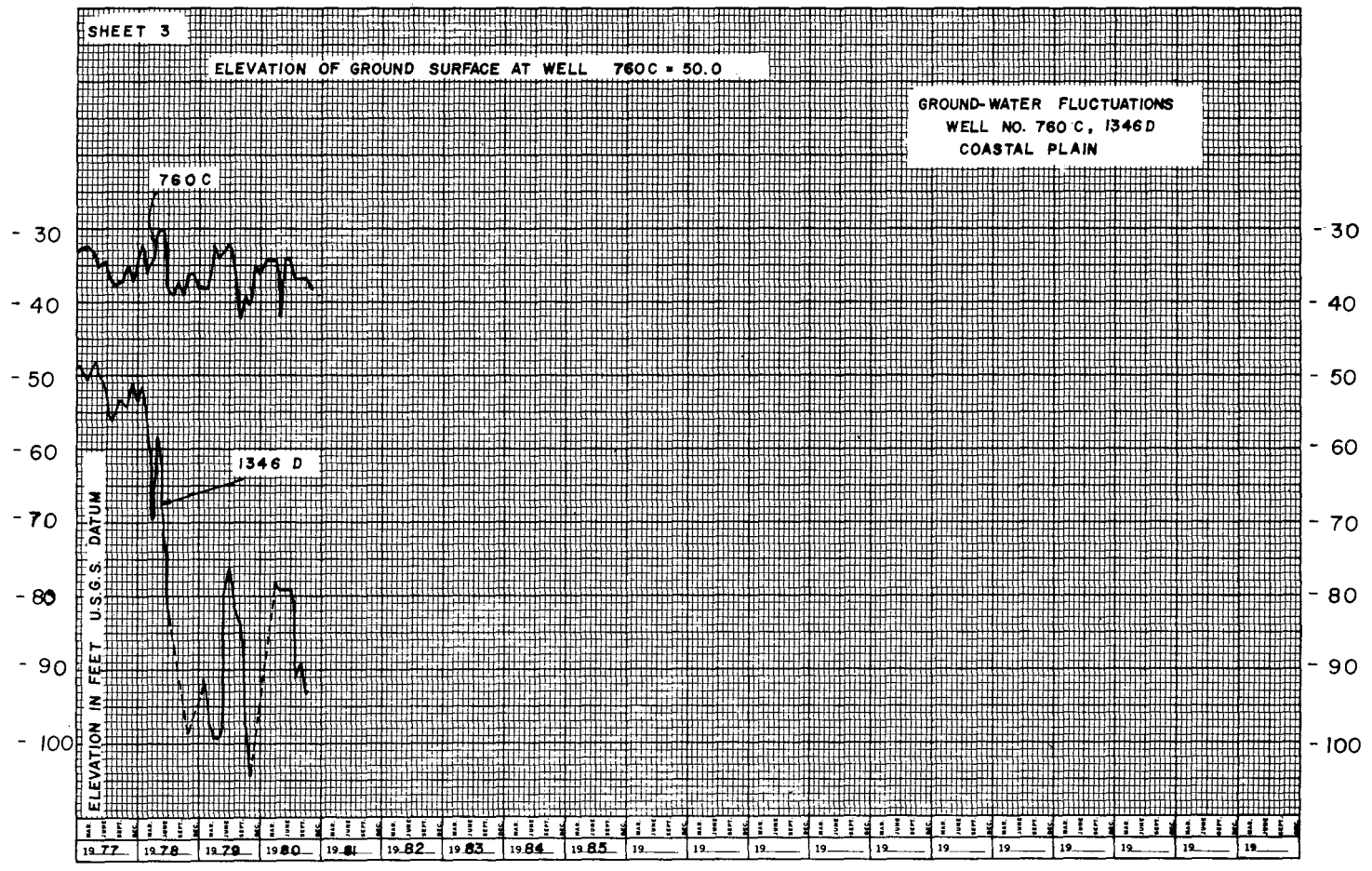
PLATE G1

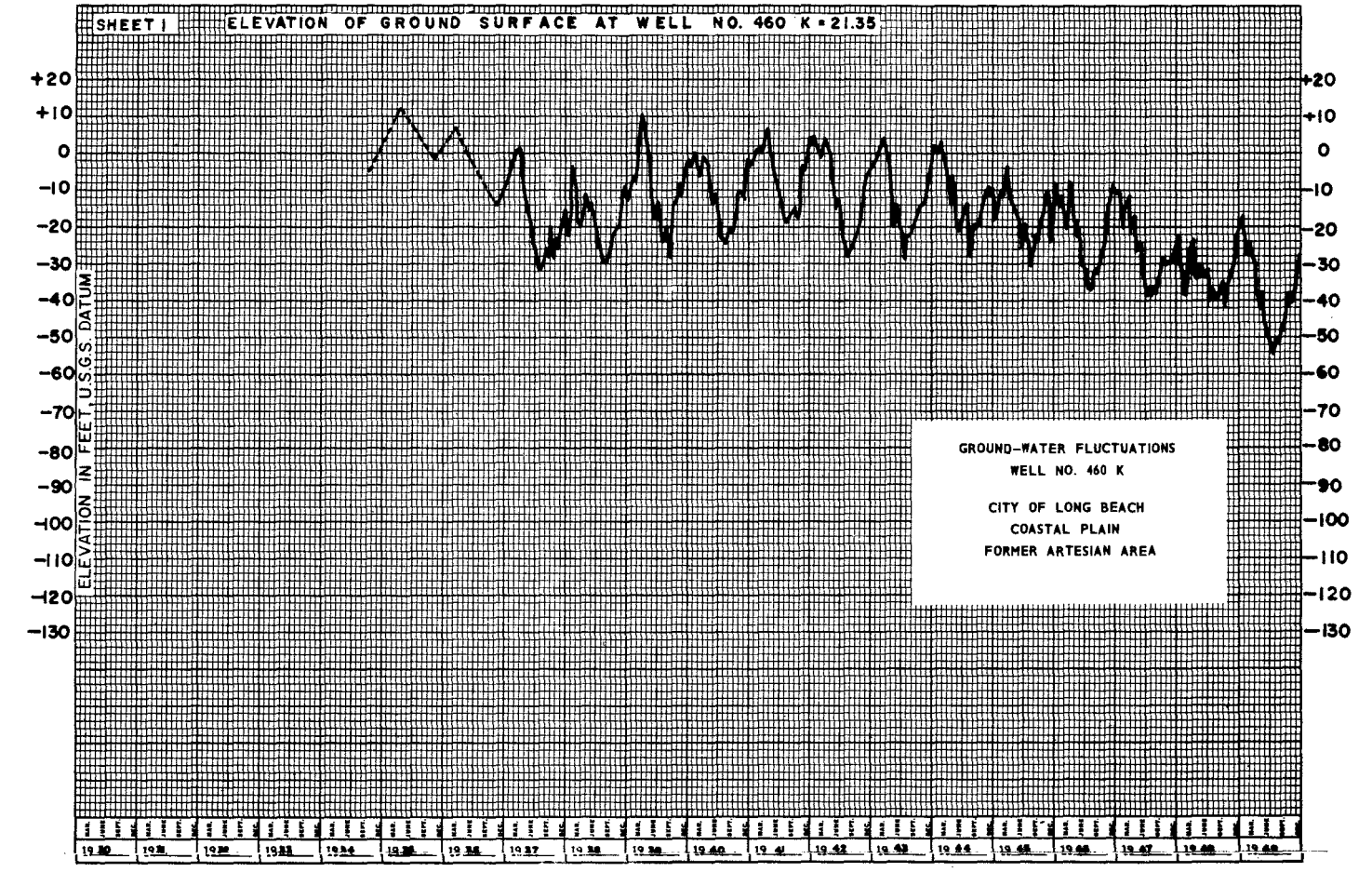
WELL HYDROGRAPHS INCLUDED IN THIS REPORT

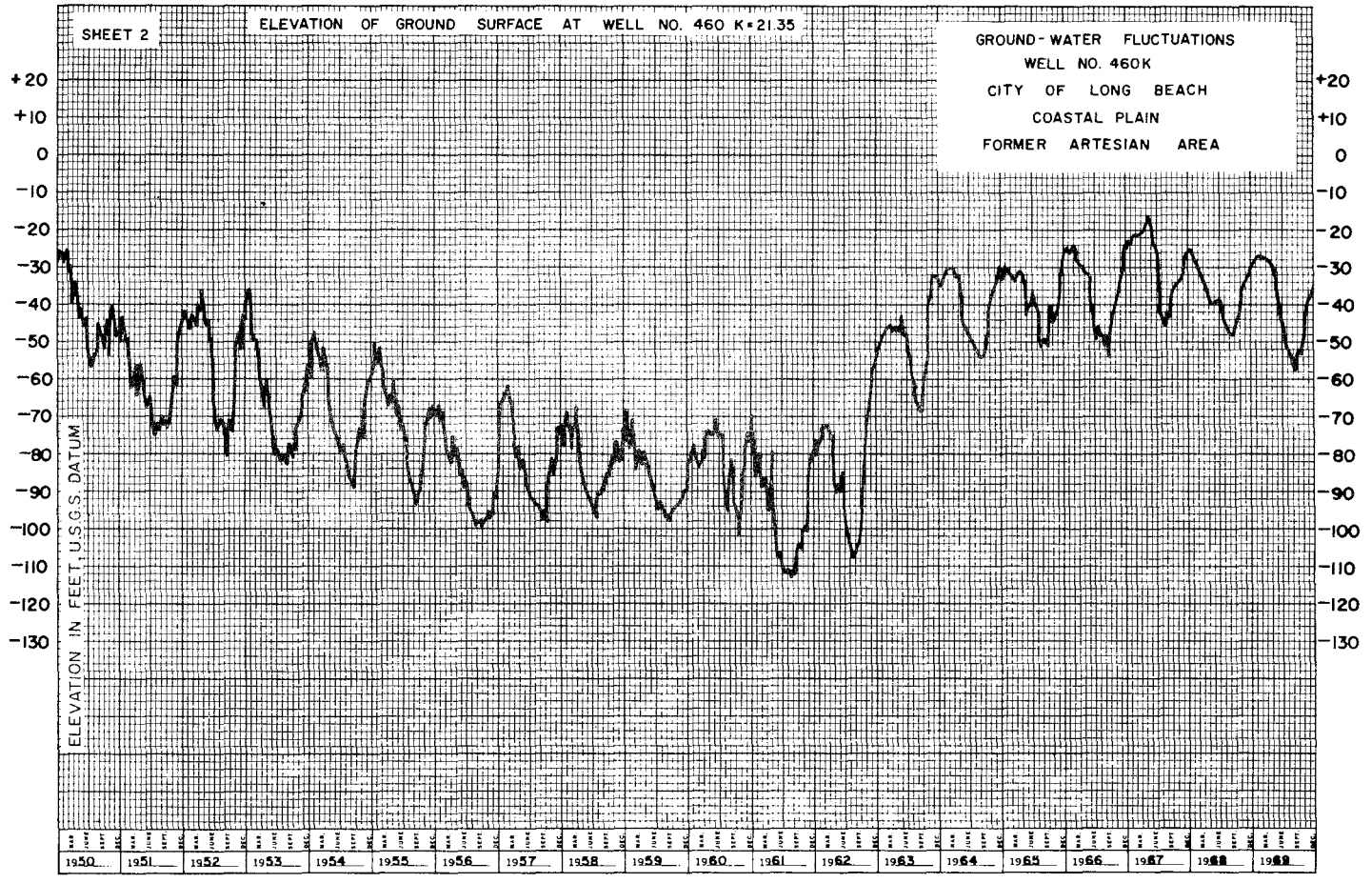
GROUNDWATER BASIN	WELL NO.	APPROXIMATE LOCATION	PAGE NO.
WEST COAST	760C	99 FT. S. W. OF INTERSECTION OF COMPTON BLVD. & DOTY AVE., LAWNDALE	G16
	1346D	11305 TRURO AVE., 250+ N. OF IMPERIAL HWY., COMPTON	
CENTRAL BASIN	460K	2,600 FT. N. E. OF THE INTERSECTION OF LAKEWOOD BLVD & PACIFIC COAST HWY., LONG BEACH	G17
	1601T	1,000 FT. SO. OF THE INTERSECTION OF WASHINGTON BLVD & ROSEMEAD BLVD., MONTEBELLO	
	906D	1,300 FT. N. W. OF THE INTERSECTION OF LONG BEACH & SAN ANTONIO DR., LONG BEACH	
MAIN SAN GABRIEL	3030F	600 FT. N. W. OF THE INTERSECTION OF LOS ANGELES ST. & MAINE AVE., BALDWIN PARK	G21
	2903	100 FT. W. OF SAN GABRIEL BLVD, 1,500 FT. N. OF GARVEY AVE. SO. SAN GABRIEL	
	2955X	TYLER AVE. & CENTRAL AVE., SO. EL MONTE	
SAN GABRIEL CANYON	4284A	5,600 FT. N. W. OF THE INTERSECTION OF SIERRA MADRE AVE. & SAN GABRIEL CYN. RD., AZUSA	G24
	4285	2,700 FT. N. W. OF SAN GABRIEL CANYON RD. & SIERRA MADRE AVE.	
POMONA	3251E	2,200 FT. N. OF THE INTERSECTION OF SAN BERNANDINO FWY. & TOWNE AVE., POMONA	G26
	3216C	600 FT. N. E. OF LAVERNE AVE. & 50 FT. S. E. OF TOWNE AVE., POMONA	
CLAREMONT HEIGHTS	4508B	800 FT. S. E. OF THE INTERSECTION OF BASELINE RD. & PADUA AVE., CLAREMONT	G28
RAYMOND BASIN	4057H	LOS ROBLES & GLENARM STREETS, PASADENA	G29
	4057F	50 FT. S. OF OHIO ST. 170 FT. OF W. EUCLID, PASADENA	
SANTA CLARA VALLEY	7048A	S. E. OF THE INTERSECTION OF NEWHALL AVE. & MAGIC MOUTAIN PKWY, SAUGAS	G31
ANTELOPE VALLEY	9974	8,976 FT. SO. OF AVE K & 200 FT. W. OF SIERRA HWY. LANCASTER	G32
	8825	25 FT. N. OF AVE T & 45 FT. E. OF 90th ST. LITTLE ROCK	
MAIN SAN FERNANDO	3872H	CLARK AVE. & GRIFFITH PARK DRIVE, BURBANK	G35
	4709	SHERMAN WAY & DEERING AVE., CANOGA PARK	

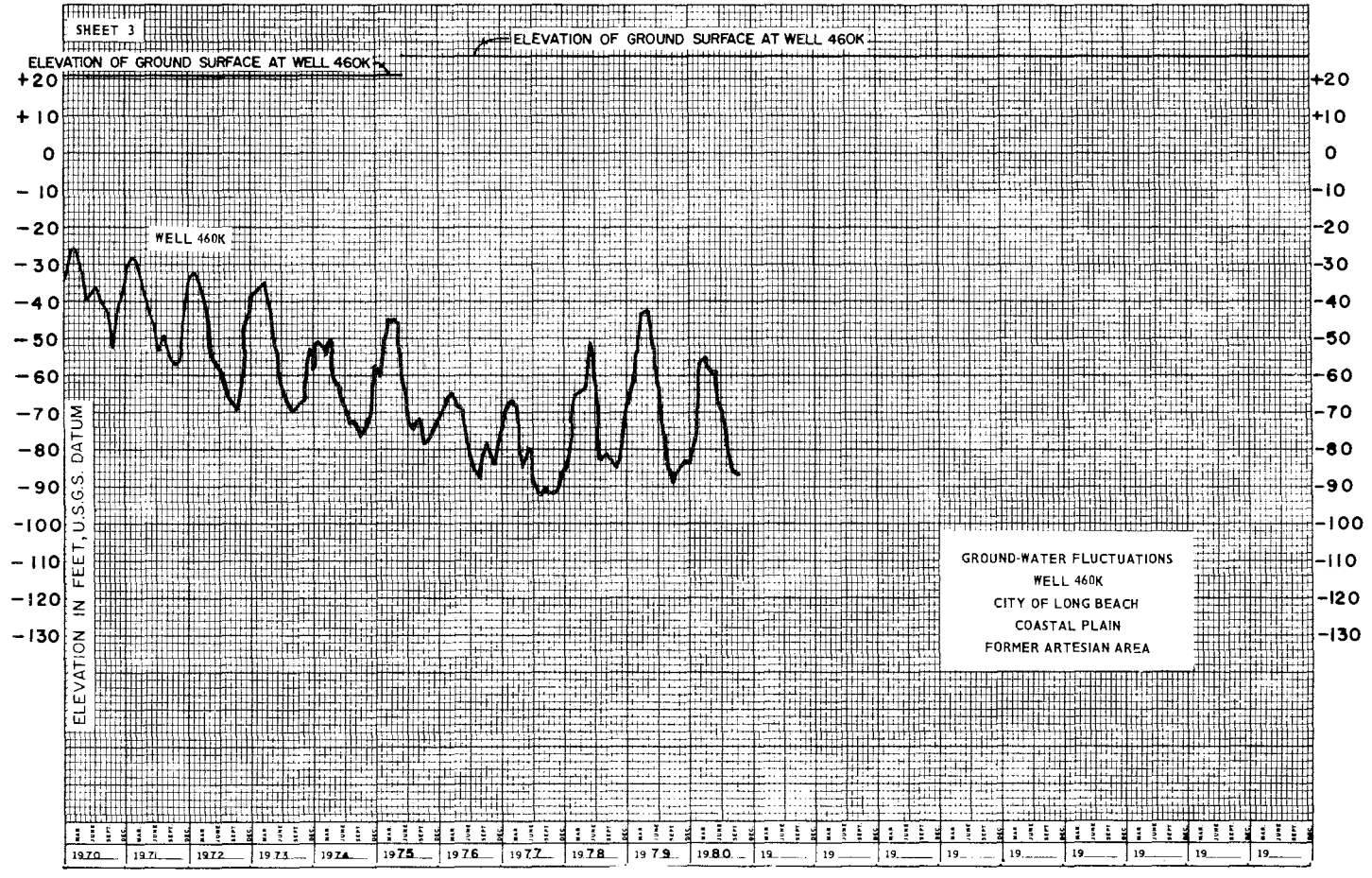

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL 1346D=740
GROUND-WATER FLUCTUATIONS
WELL NO. 1346D
COASTAL PLAIN
ELEVATION IN FEET, U.S.G.S. DATUM
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956

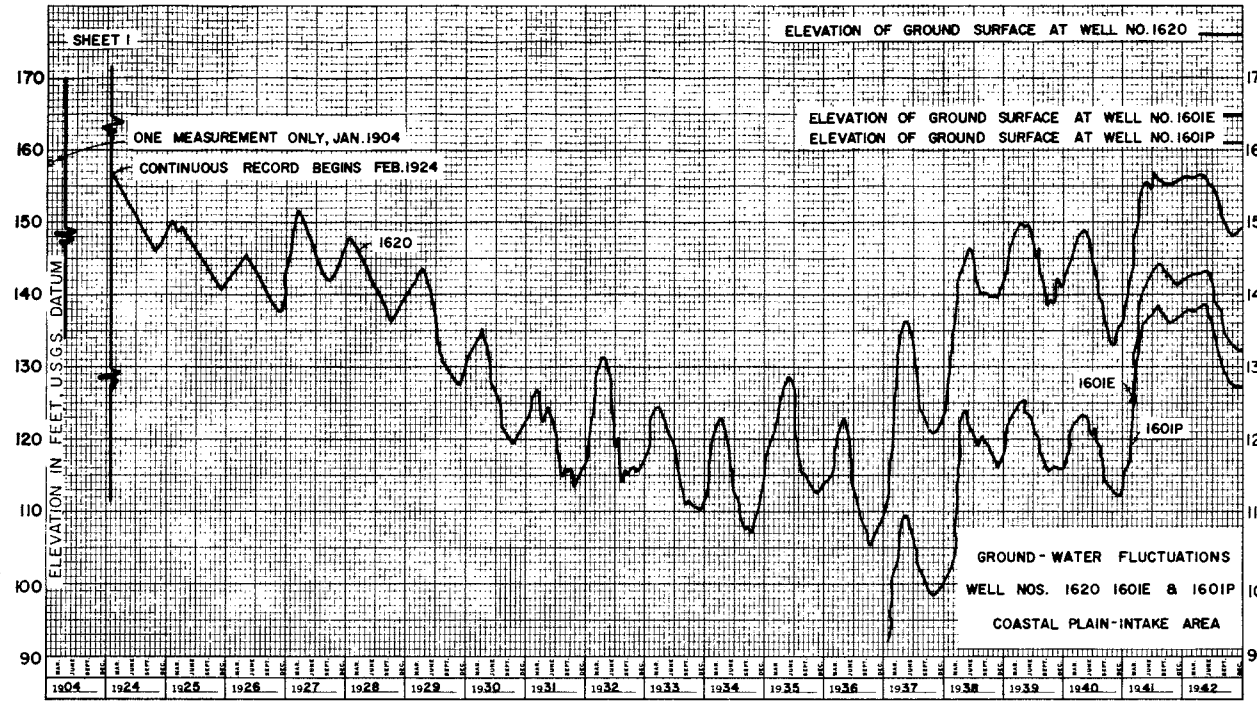

SHEET 2
ELEVATION OF GROUND SURFACE AT WELL 1346D=74.0
GROUND-WATER FLUCTUATIONS
WELL NOS. 1346D , 760C
COASTAL PLAIN
760 C
1346D
ELEVATION IN FEET, U.S.G.S. DATUM
-40
-50
-60
-70
-80
-90
-100
-110
1957
1958
1959
1960
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976

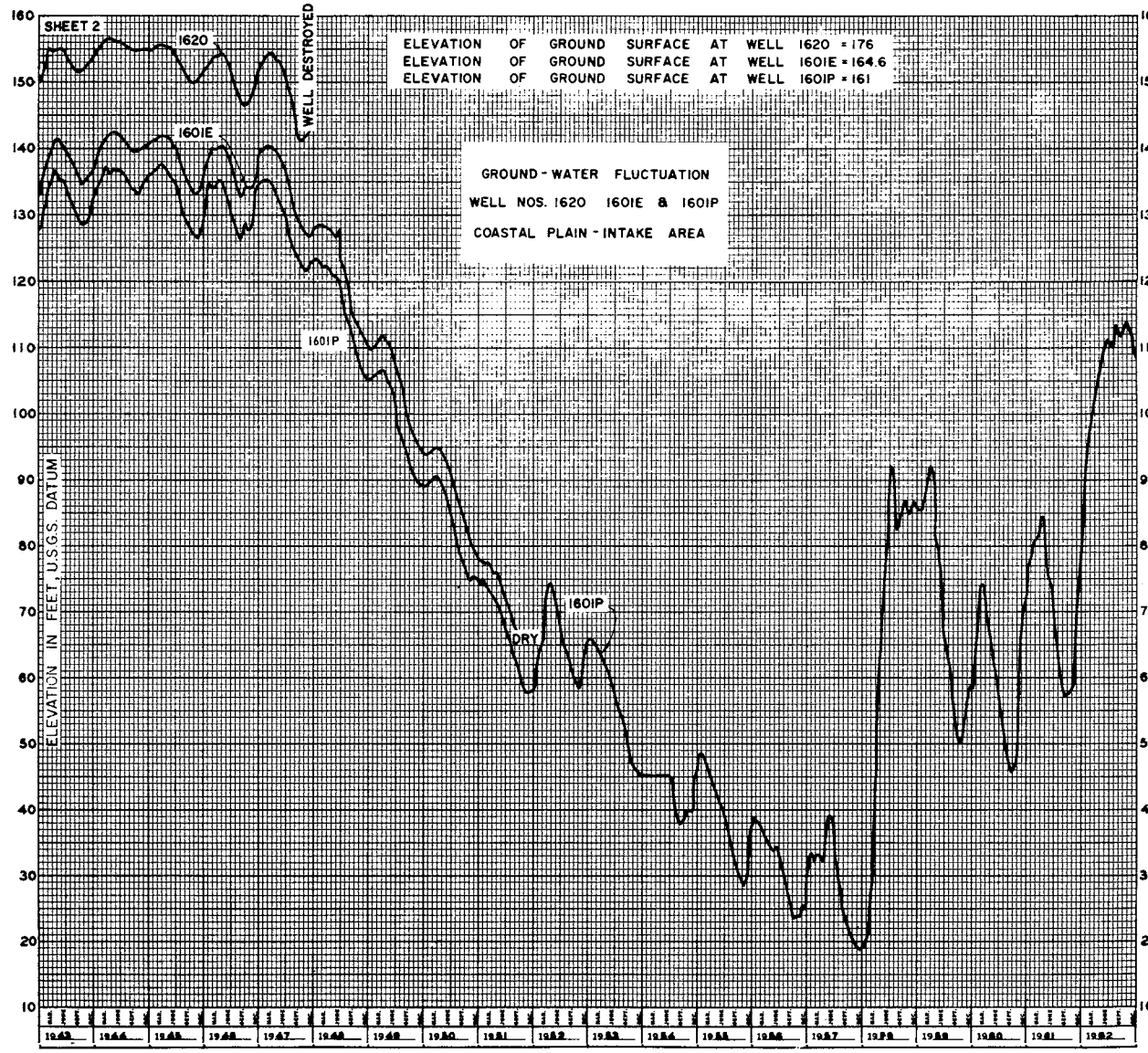

SHEET 3
ELEVATION OF GROUND SURFACE AT WELL 760C = 50.0
GROUND-WATER FLUCTUATIONS
WELL NO. 760 C, 1346 D
COASTAL PLAIN
760C
1346 D
- 30
- 40
- 50
- 60
- 70
- 80
- 90
- 100
ELEVATION IN FEET, U.S.G.S. DATUM
19 77
19 78
19 79
19 80
19 81
19 82
19 83
19 84
19 85

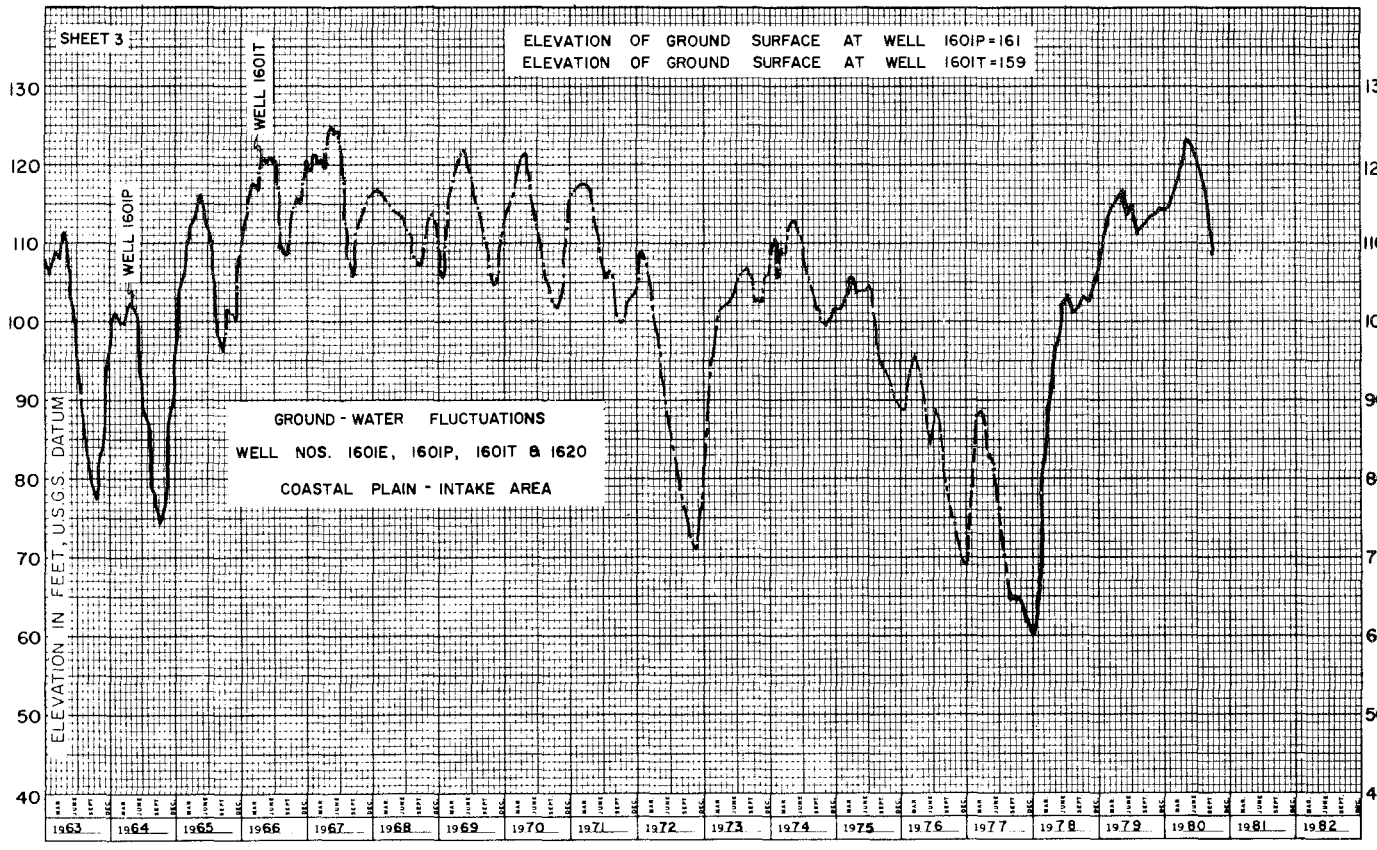

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL NO. 460 K = 21.35
+20
+10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
-130
ELEVATION IN FEET, U.S.G.S. DATUM
GROUND-WATER FLUCTUATIONS
WELL NO. 460 K
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA

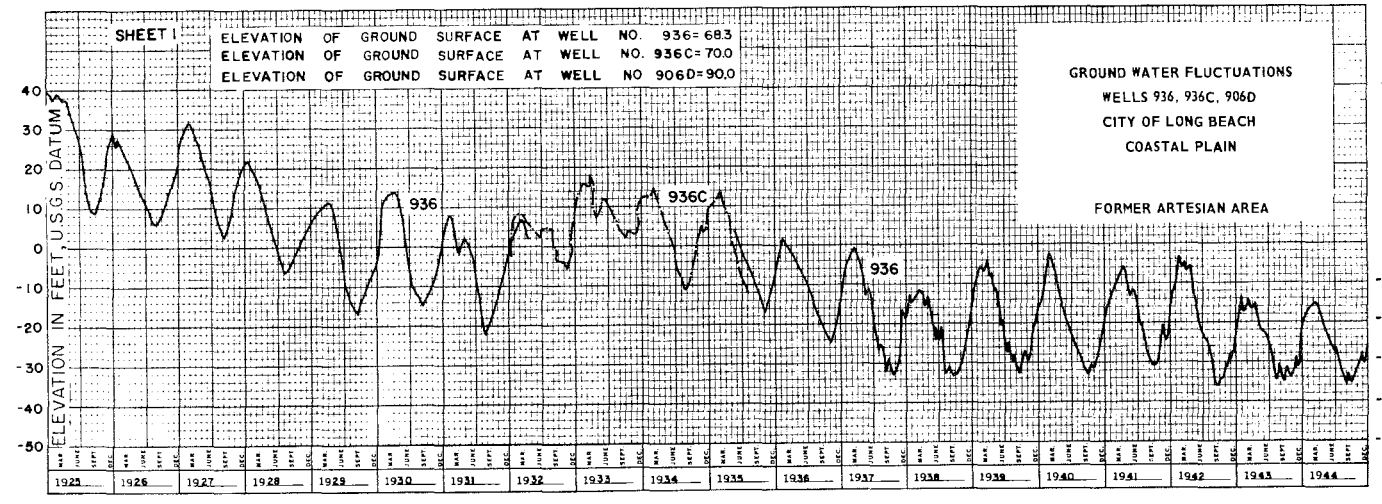

SHEET 2
ELEVATION OF GROUND SURFACE AT WELL NO. 460 K=21.35
GROUND-WATER FLUCTUATIONS
WELL NO. 460K
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA
ELEVATION IN FEET, U.S.G.S. DATUM
+20
+10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
-130
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961
1962
1963
1964
1965
1966
1967

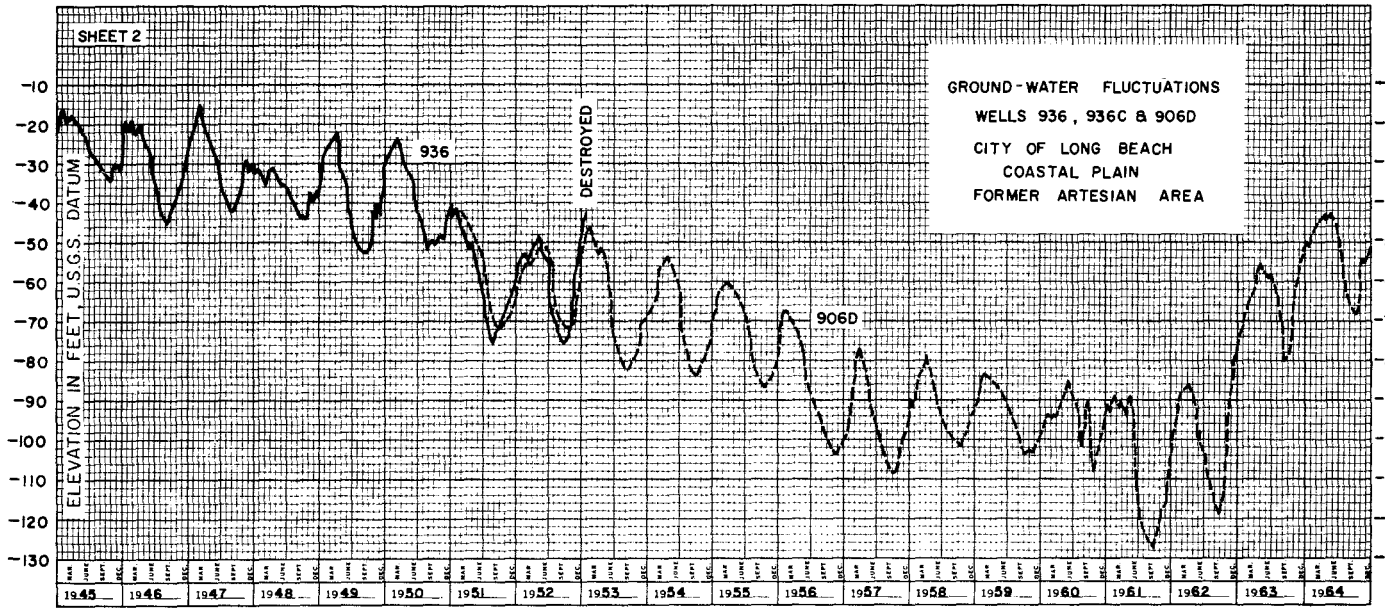

SHEET 3
ELEVATION OF GROUND SURFACE AT WELL 460K
ELEVATION OF GROUND SURFACE AT WELL 460K
WELL 460K
GROUND-WATER FLUCTUATIONS
WELL 460K
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA
ELEVATION IN FEET, U.S.G.S. DATUM
+20
+10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
-130
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980

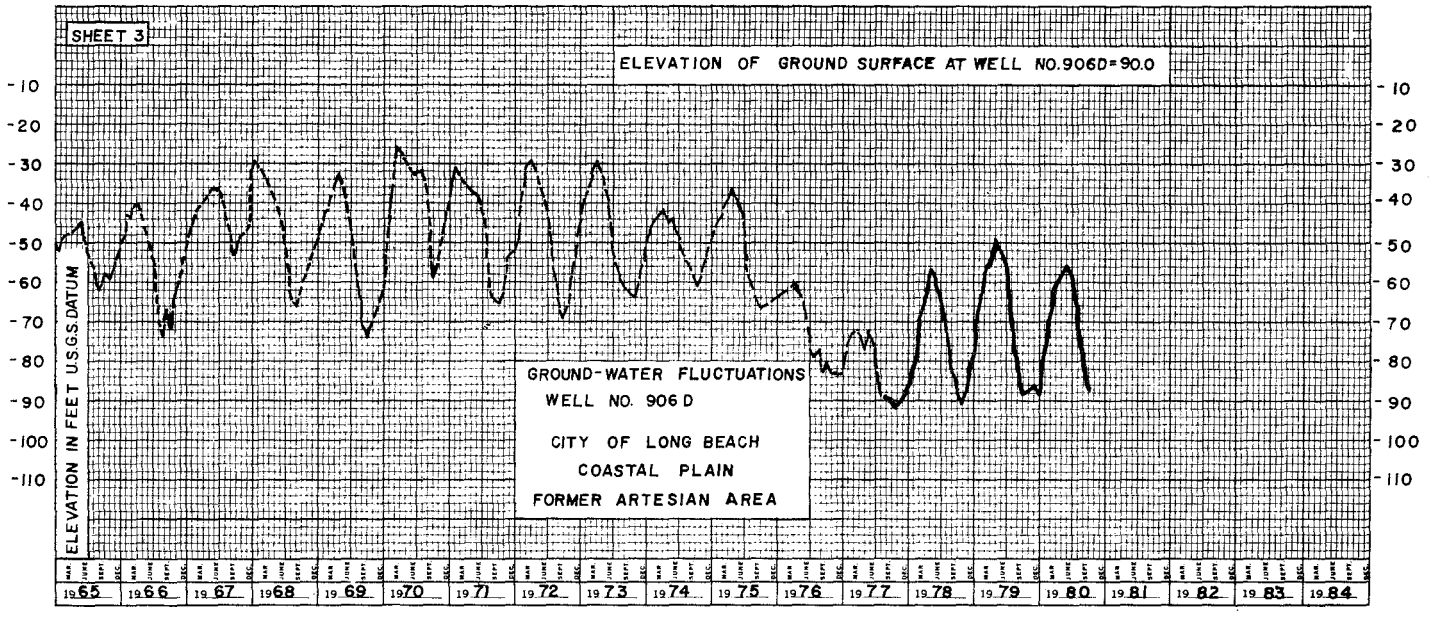

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL NO. 1620
ELEVATION OF GROUND SURFACE AT WELL NO. 1601E
ELEVATION OF GROUND SURFACE AT WELL NO. 1601P
ONE MEASUREMENT ONLY, JAN. 1904
CONTINUOUS RECORD BEGINS FEB. 1924
1620
1601E
1601P
ELEVATION IN FEET, U.S.G.S. DATUM
GROUND-WATER FLUCTUATIONS
WELL NOS. 1620 1601E & 1601P
COASTAL PLAIN-INTAKE AREA
1904 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942

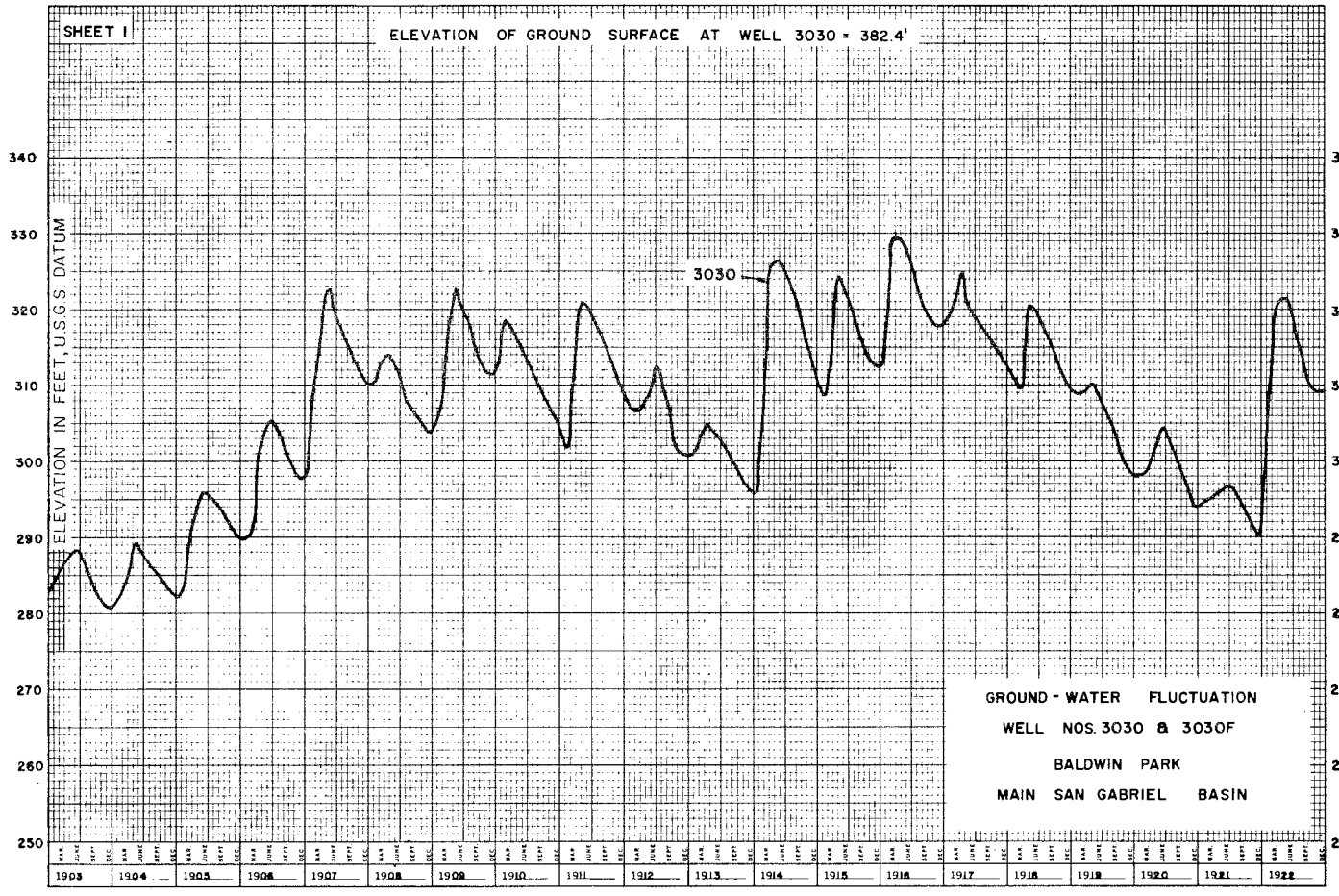

SHEET 2
1620
1601E
WELL DESTROYED
1601P
1601P
DRY
ELEVATION OF GROUND SURFACE AT WELL 1620 = 176
ELEVATION OF GROUND SURFACE AT WELL 1601E = 164.6
ELEVATION OF GROUND SURFACE AT WELL 1601P = 161
GROUND-WATER FLUCTUATION
WELL NOS. 1620 1601E & 1601P
COASTAL PLAIN-INTAKE AREA
ELEVATION IN FEET, U.S.G.S. DATUM
1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962

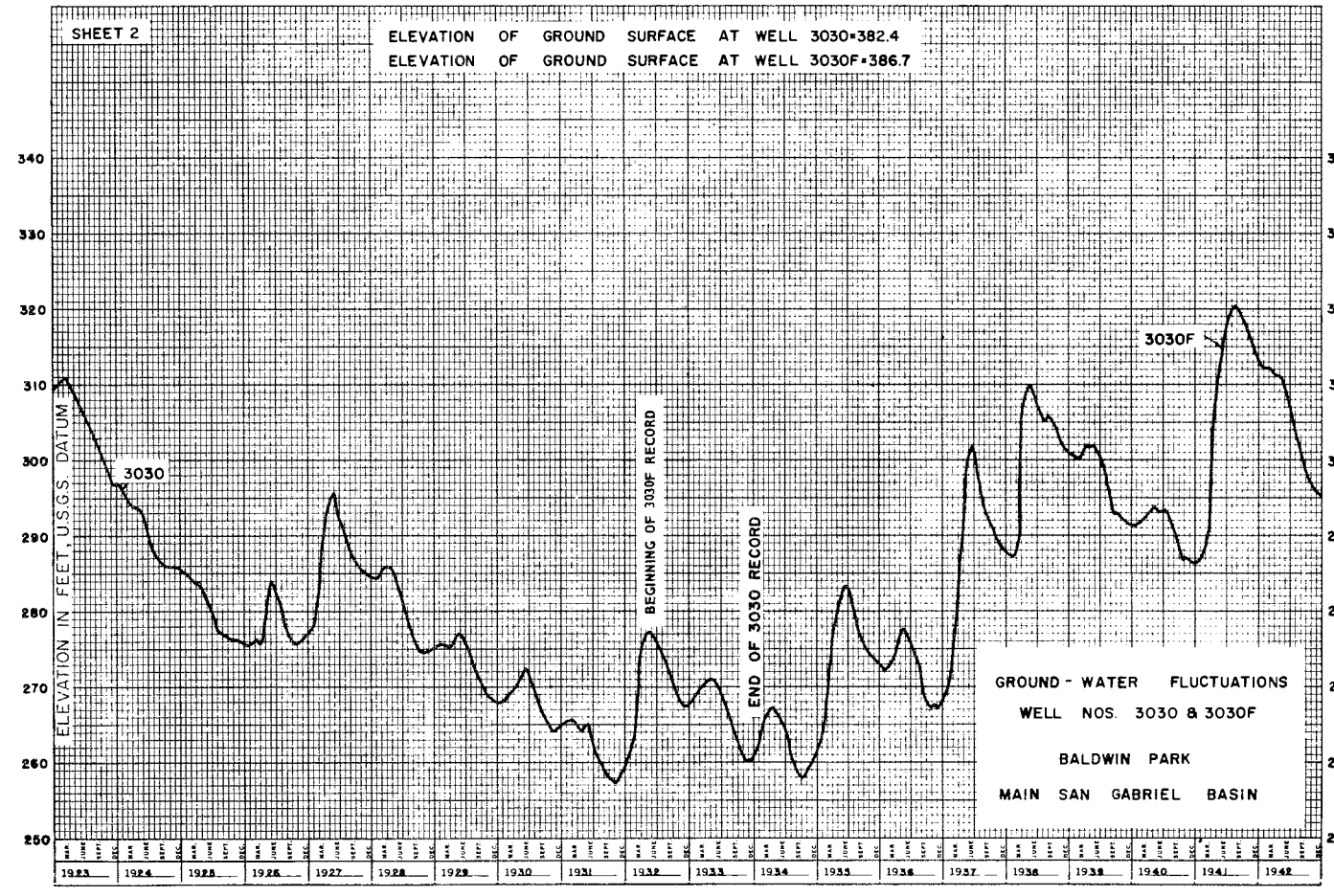

SHEET 3
ELEVATION OF GROUND SURFACE AT WELL 1601P = 161
ELEVATION OF GROUND SURFACE AT WELL 1601T = 159
WELL 1601T
WELL 1601P
GROUND - WATER FLUCTUATIONS
WELL NOS. 1601E, 1601P, 1601T & 1620
COASTAL PLAIN - INTAKE AREA
ELEVATION IN FEET, U.S.G.S. DATUM
130
120
110
100
90
80
70
60
50
40
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982

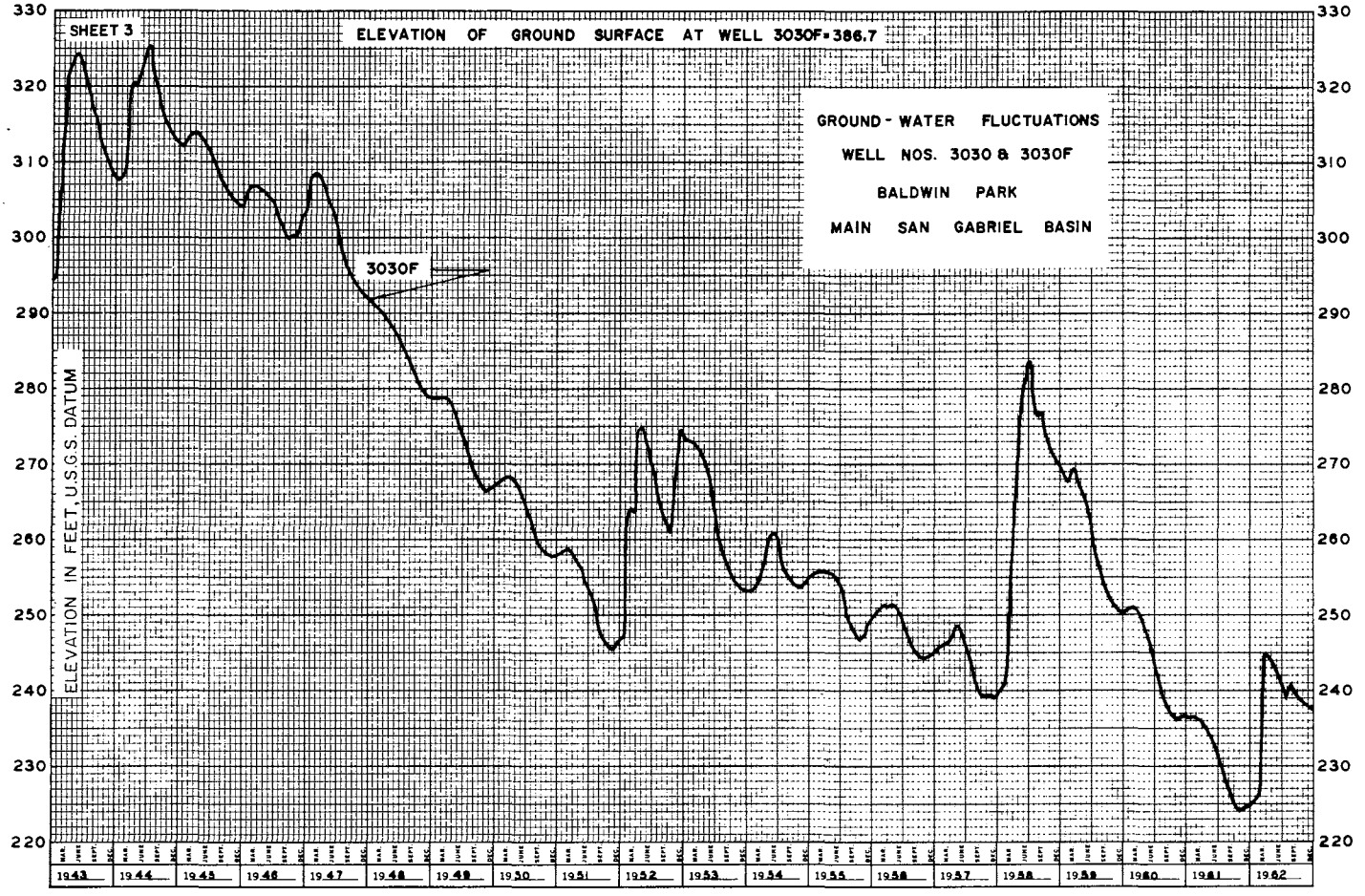

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL NO. 936 = 68.3
ELEVATION OF GROUND SURFACE AT WELL NO. 936C = 70.0
ELEVATION OF GROUND SURFACE AT WELL NO 906D = 90.0
GROUND WATER FLUCTUATIONS
WELLS 936, 936C, 906D
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA
936
936C
936
ELEVATION IN FEET, U.S.G.S. DATUM
40
30
20
10
0
-10
-20
-30
-40
-50
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943
1944

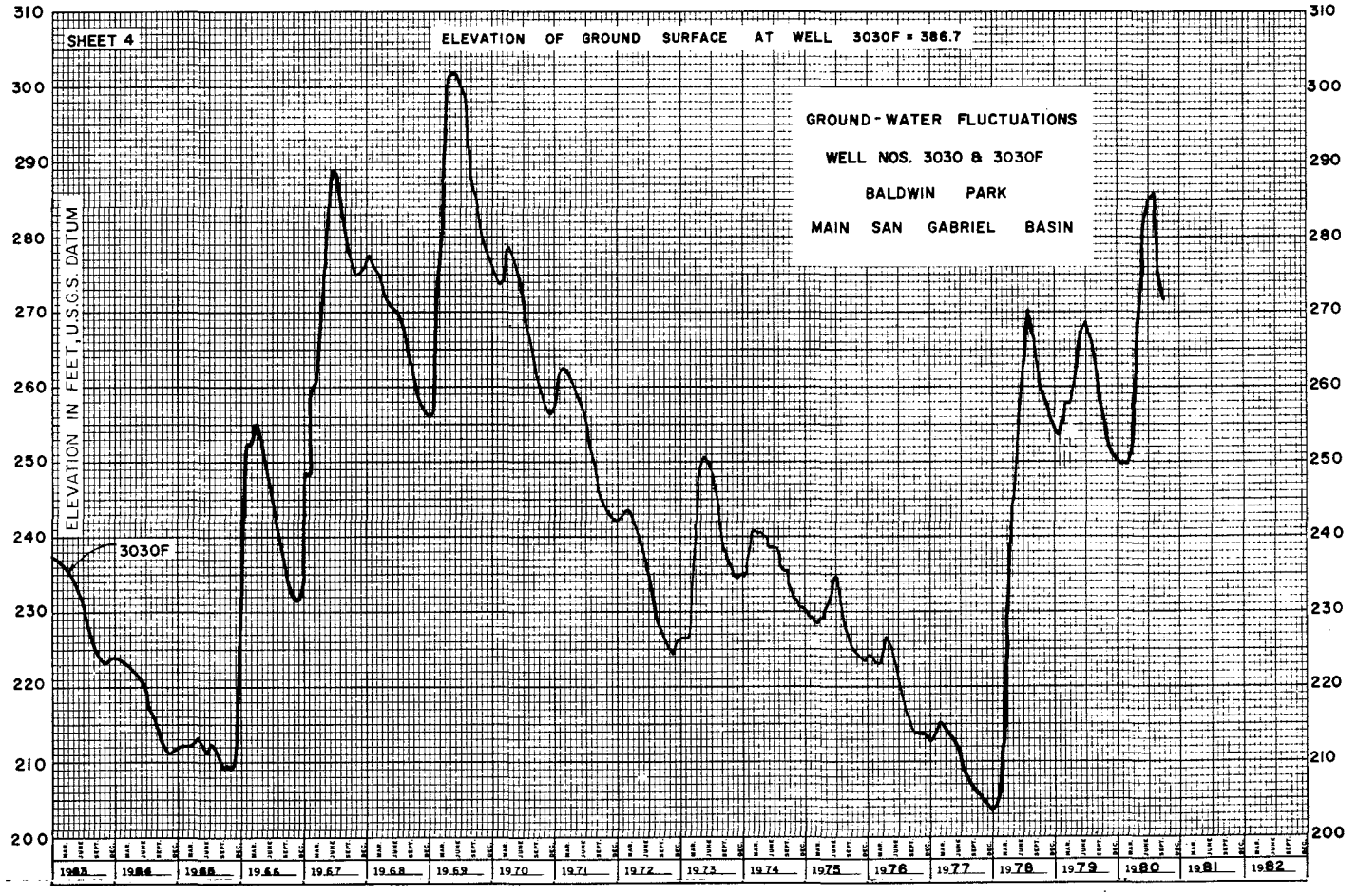

SHEET 2
GROUND-WATER FLUCTUATIONS
WELLS 936, 936C & 906D
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA
936
DESTROYED
906D
ELEVATION IN FEET U.S.G.S. DATUM
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
-130
1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964

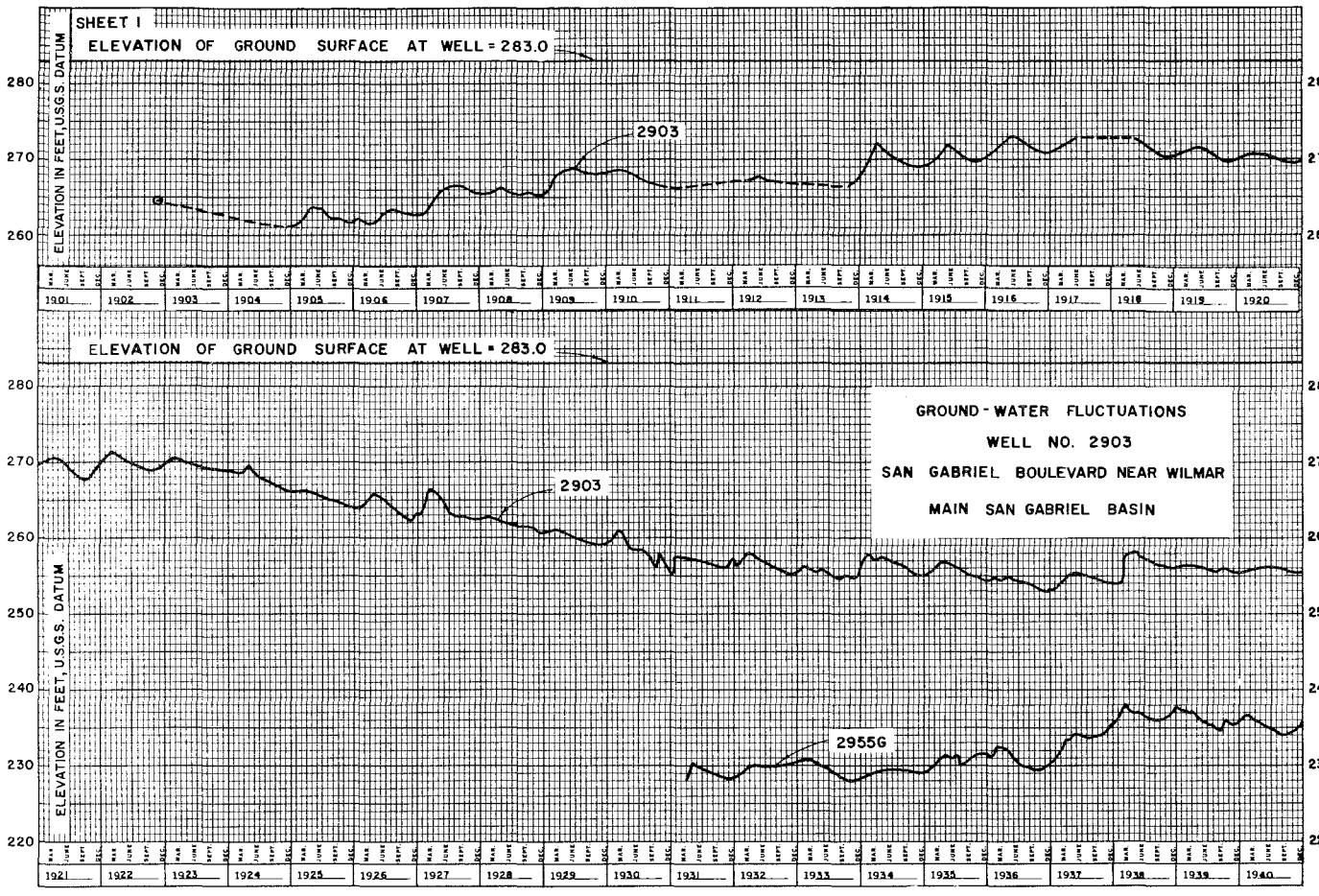

SHEET 3
ELEVATION OF GROUND SURFACE AT WELL NO.906D=90.0
GROUND-WATER FLUCTUATIONS
WELL NO. 906 D
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA
ELEVATION IN FEET U.S.G.S.DATUM
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984

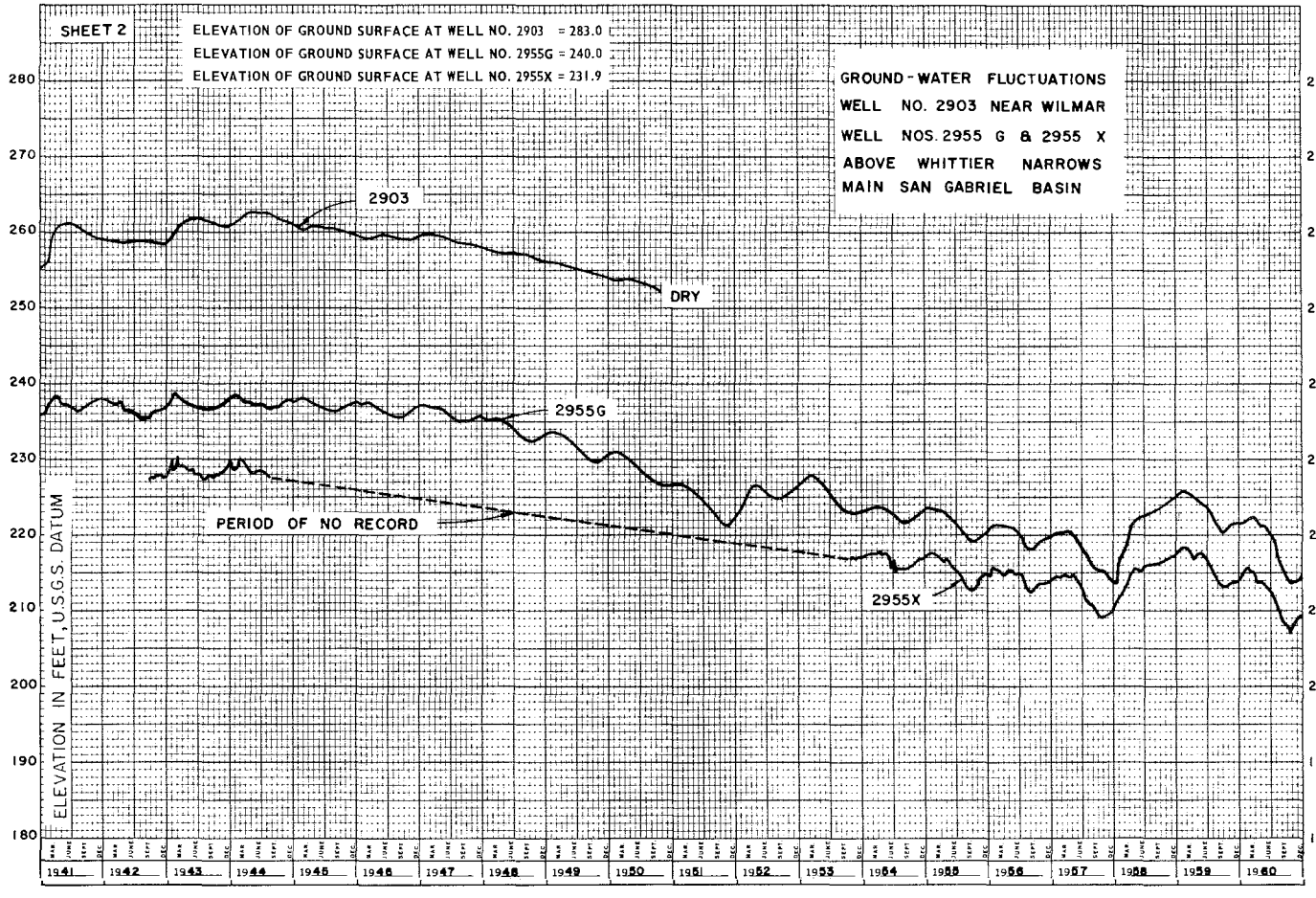

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL 3030 = 382.4'
ELEVATION IN FEET, U.S.G.S. DATUM
3030
GROUND - WATER FLUCTUATION
WELL NOS. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN

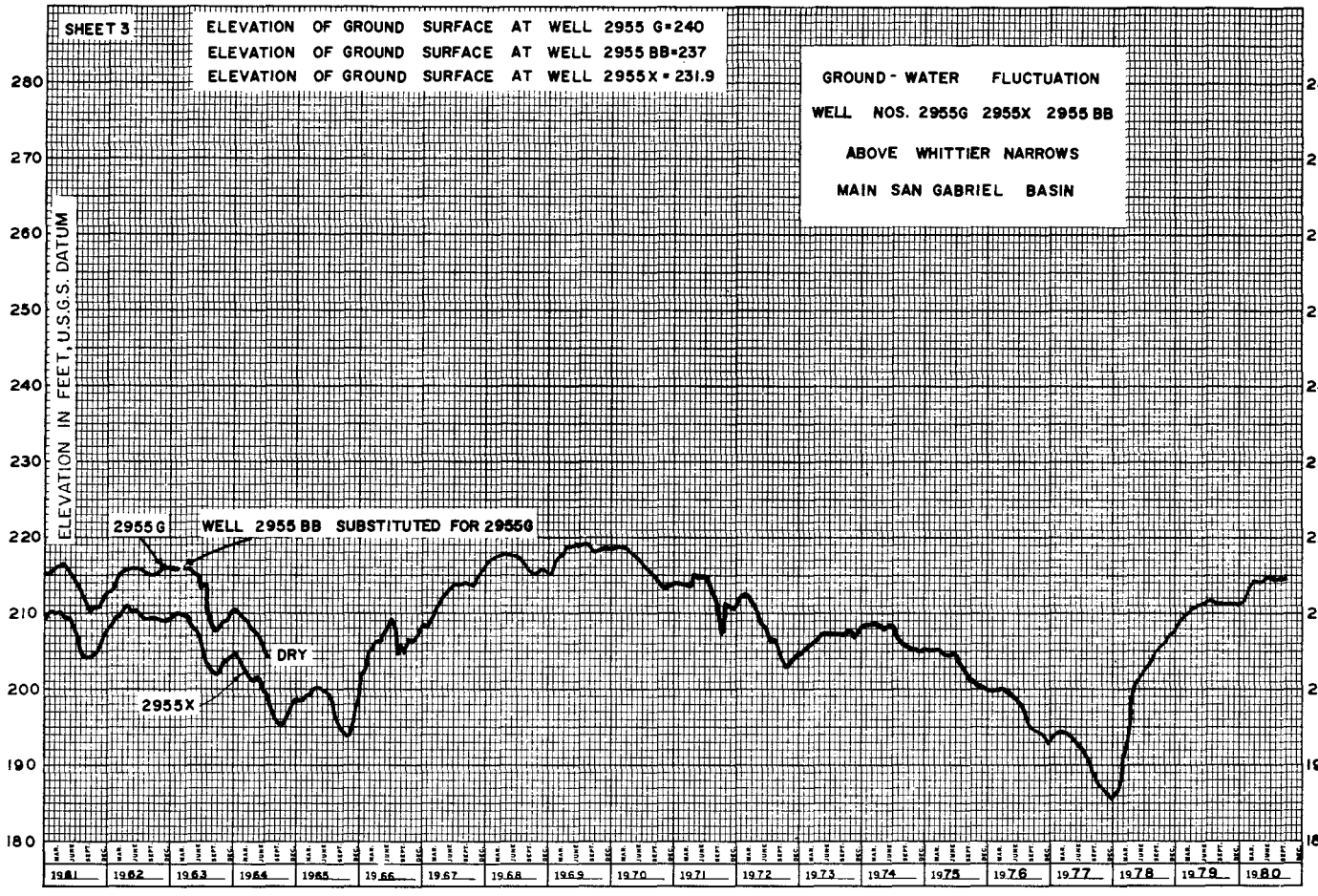

SHEET 2
ELEVATION OF GROUND SURFACE AT WELL 3030=382.4
ELEVATION OF GROUND SURFACE AT WELL 3030F=386.7
ELEVATION IN FEET, U.S.G.S. DATUM
3030
3030F
BEGINNING OF 3030F RECORD
END OF 3030 RECORD
GROUND - WATER FLUCTUATIONS
WELL NOS. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN

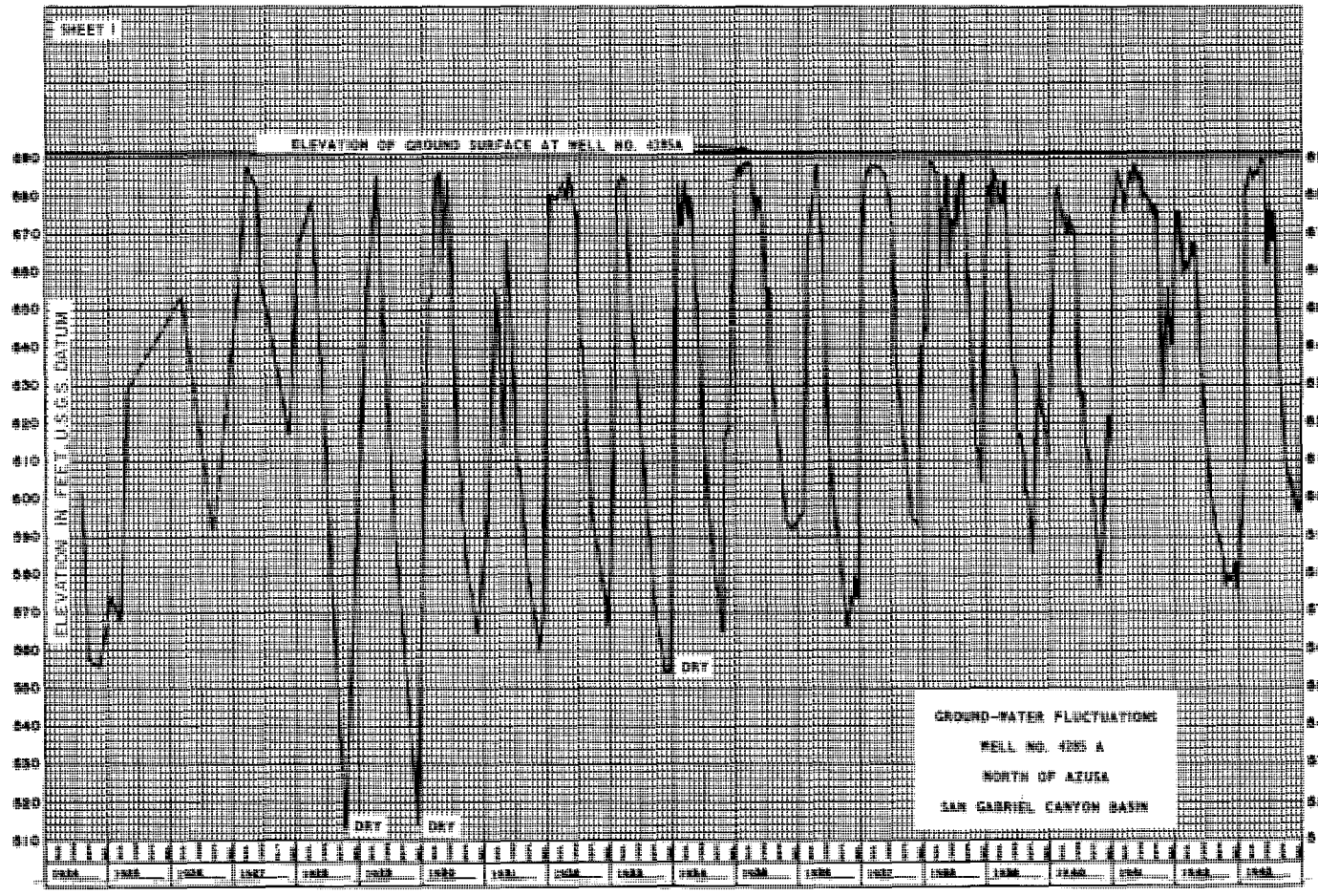

SHEET 3
ELEVATION OF GROUND SURFACE AT WELL 3030F=386.7
GROUND-WATER FLUCTUATIONS
WELL NOS. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
3030F
ELEVATION IN FEET, U.S.G.S. DATUM
330
320
310
300
290
280
270
260
250
240
230
220
1943
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961
1962


SHEET 4
ELEVATION OF GROUND SURFACE AT WELL 3030F = 386.7
GROUND-WATER FLUCTUATIONS
WELL NOS. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
3030F
ELEVATION IN FEET, U.S.G.S. DATUM
310
300
290
280
270
260
250
240
230
220
210
200
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982

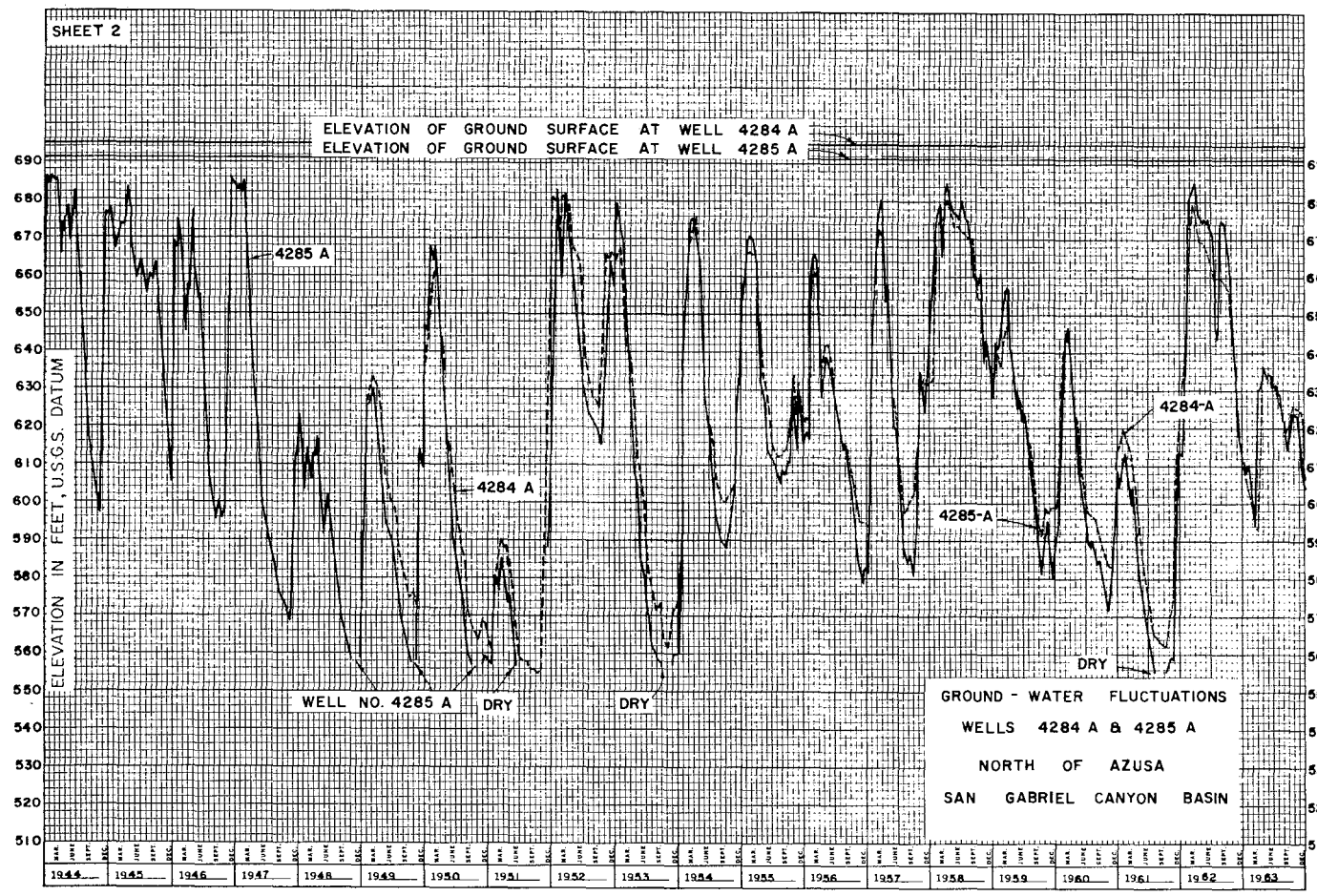

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL = 283.0
2903
ELEVATION IN FEET, U.S.G.S. DATUM
ELEVATION OF GROUND SURFACE AT WELL = 283.0
GROUND-WATER FLUCTUATIONS
WELL NO. 2903
SAN GABRIEL BOULEVARD NEAR WILMAR
MAIN SAN GABRIEL BASIN
2903
2955G
ELEVATION IN FEET, U.S.G.S. DATUM


SHEET 2
ELEVATION OF GROUND SURFACE AT WELL NO. 2903 = 283.0
ELEVATION OF GROUND SURFACE AT WELL NO. 2955G = 240.0
ELEVATION OF GROUND SURFACE AT WELL NO. 2955X = 231.9
GROUND-WATER FLUCTUATIONS
WELL NO. 2903 NEAR WILMAR
WELL NOS. 2955 G & 2955 X
ABOVE WHITTIER NARROWS
MAIN SAN GABRIEL BASIN
2903
DRY
2955G
PERIOD OF NO RECORD
2955X
ELEVATION IN FEET, U.S.G.S. DATUM

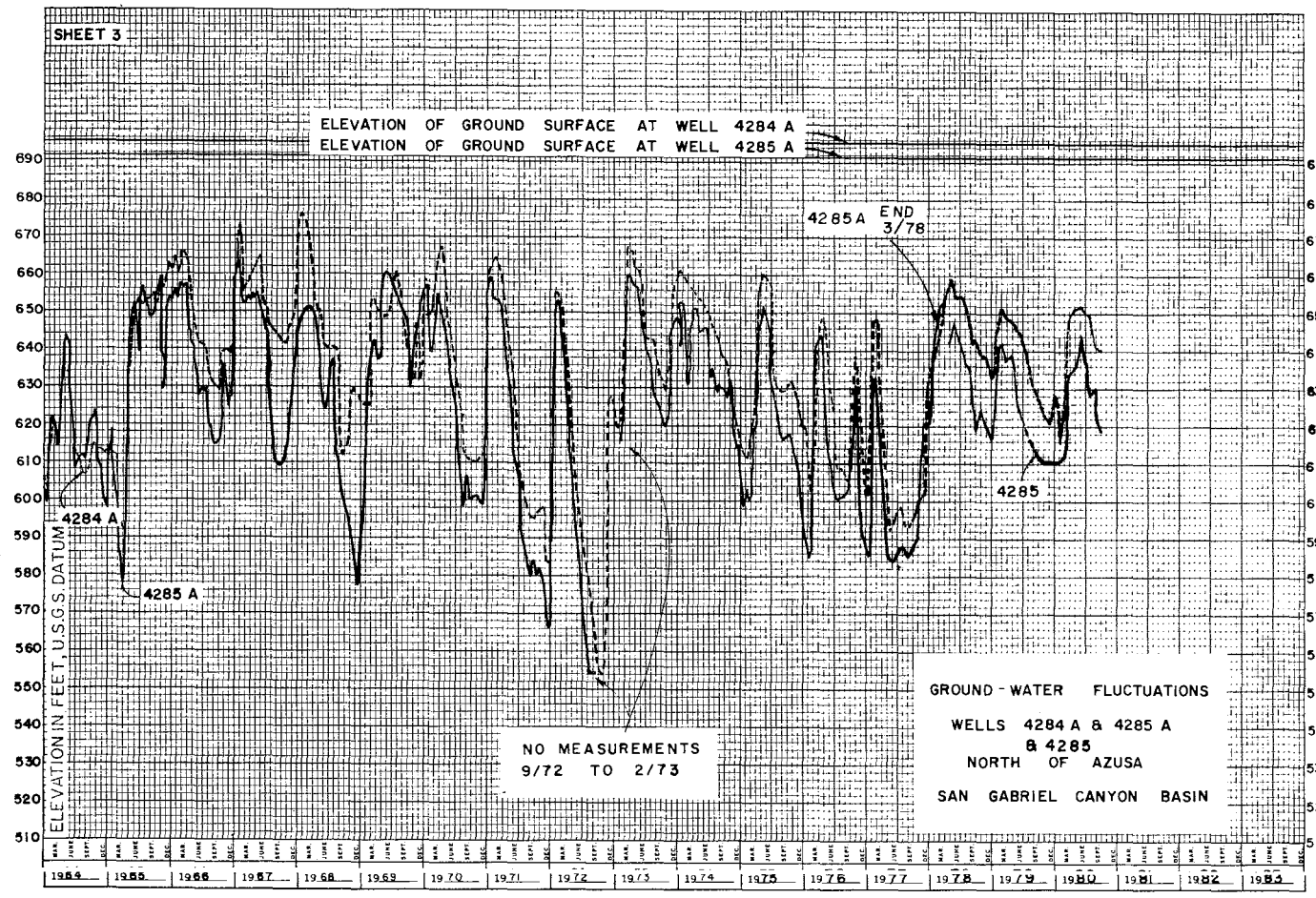

SHEET 3
ELEVATION OF GROUND SURFACE AT WELL 2955 G=240
ELEVATION OF GROUND SURFACE AT WELL 2955 BB=237
ELEVATION OF GROUND SURFACE AT WELL 2955X = 231.9
GROUND - WATER FLUCTUATION
WELL NOS. 2955G 2955X 2955 BB
ABOVE WHITTIER NARROWS
MAIN SAN GABRIEL BASIN
ELEVATION IN FEET, U.S.G.S. DATUM
2955G
WELL 2955 BB SUBSTITUTED FOR 2955G
DRY
2955X
280
270
260
250
240
230
220
210
200
190
180
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980

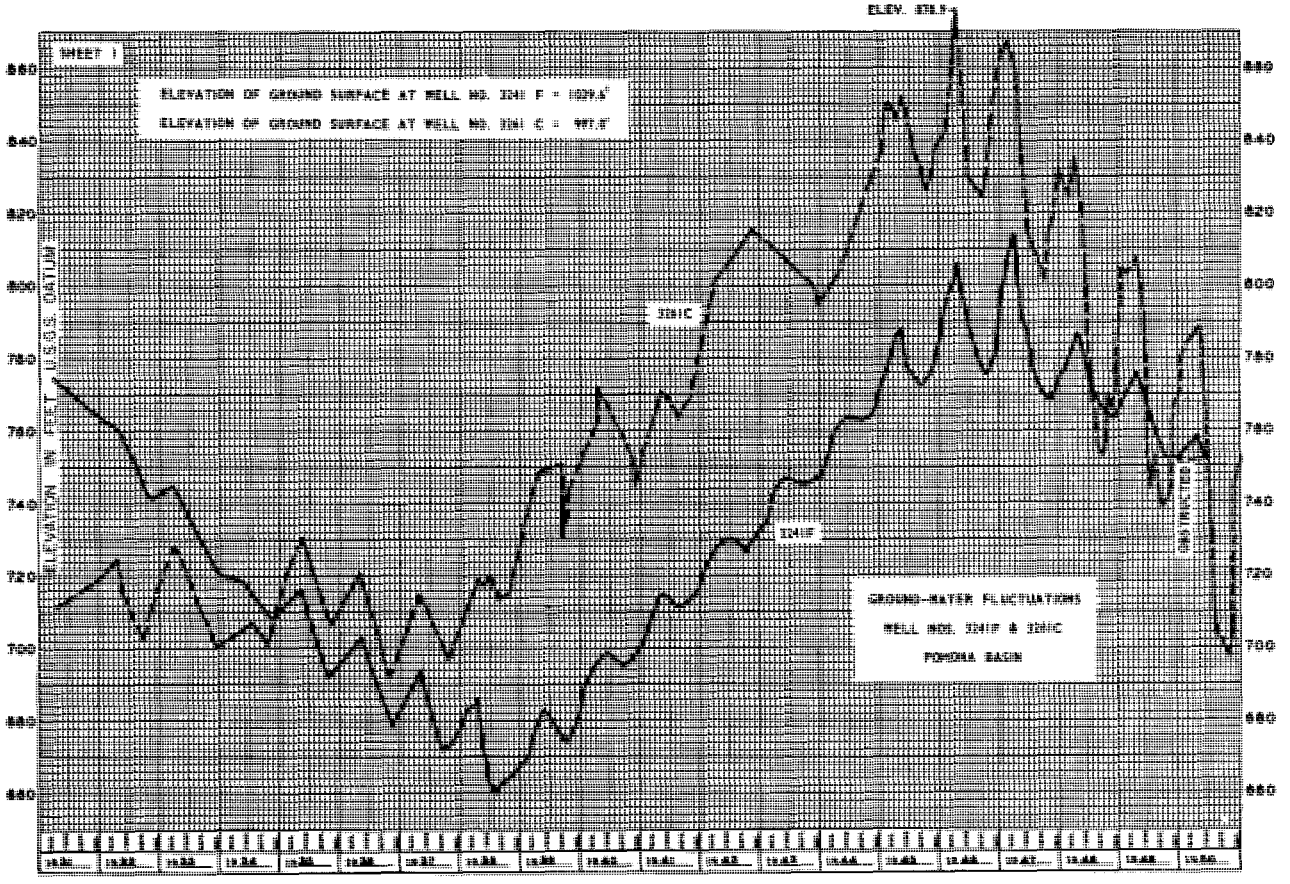

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL NO. 4255A
ELEVATION IN FEET, U.S.G.S. DATUM
DRY
DRY
DRY
GROUND-WATER FLUCTUATIONS
WELL NO. 4255 A
NORTH OF AZUSA
SAN GABRIEL CANYON BASIN

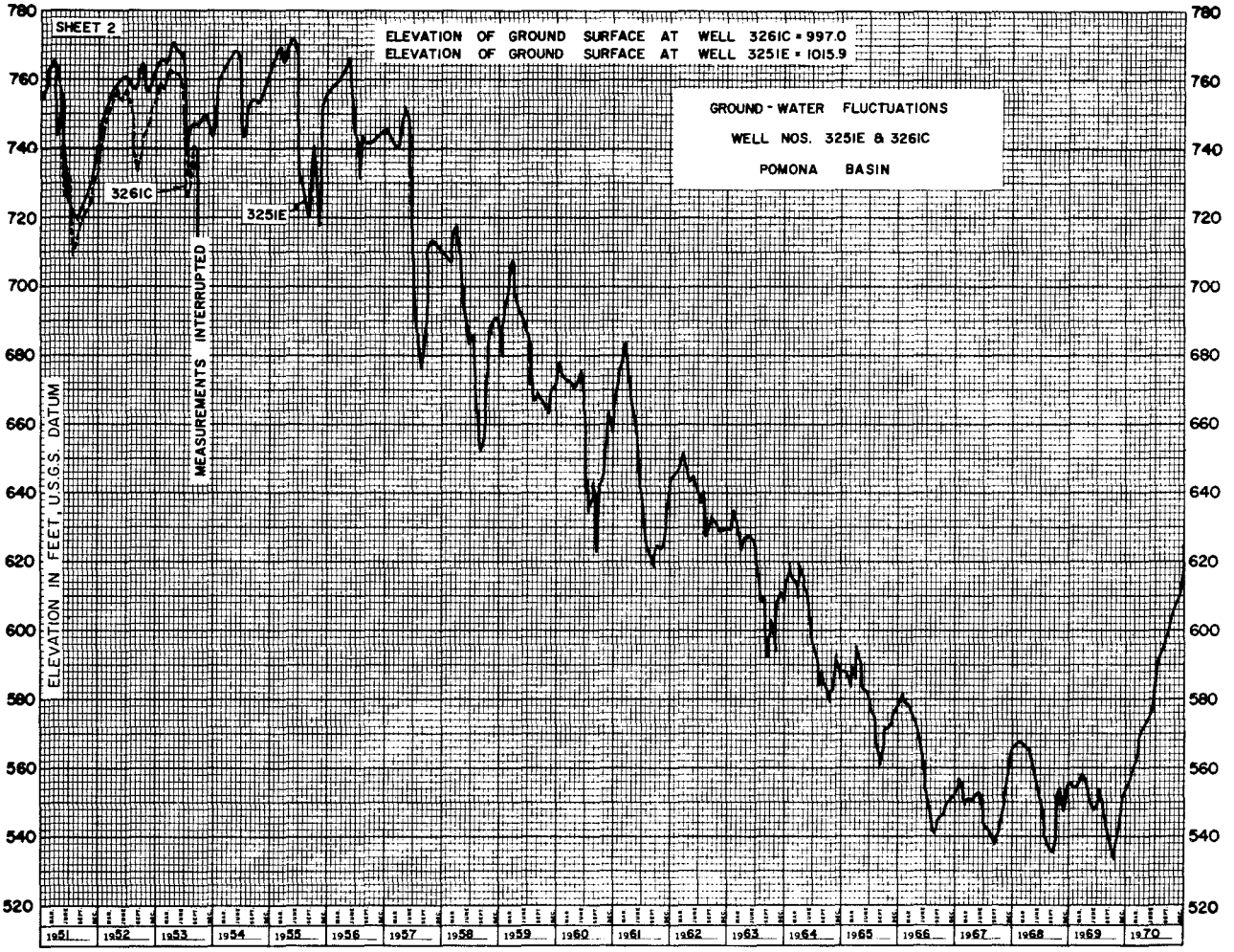
SHEET 2

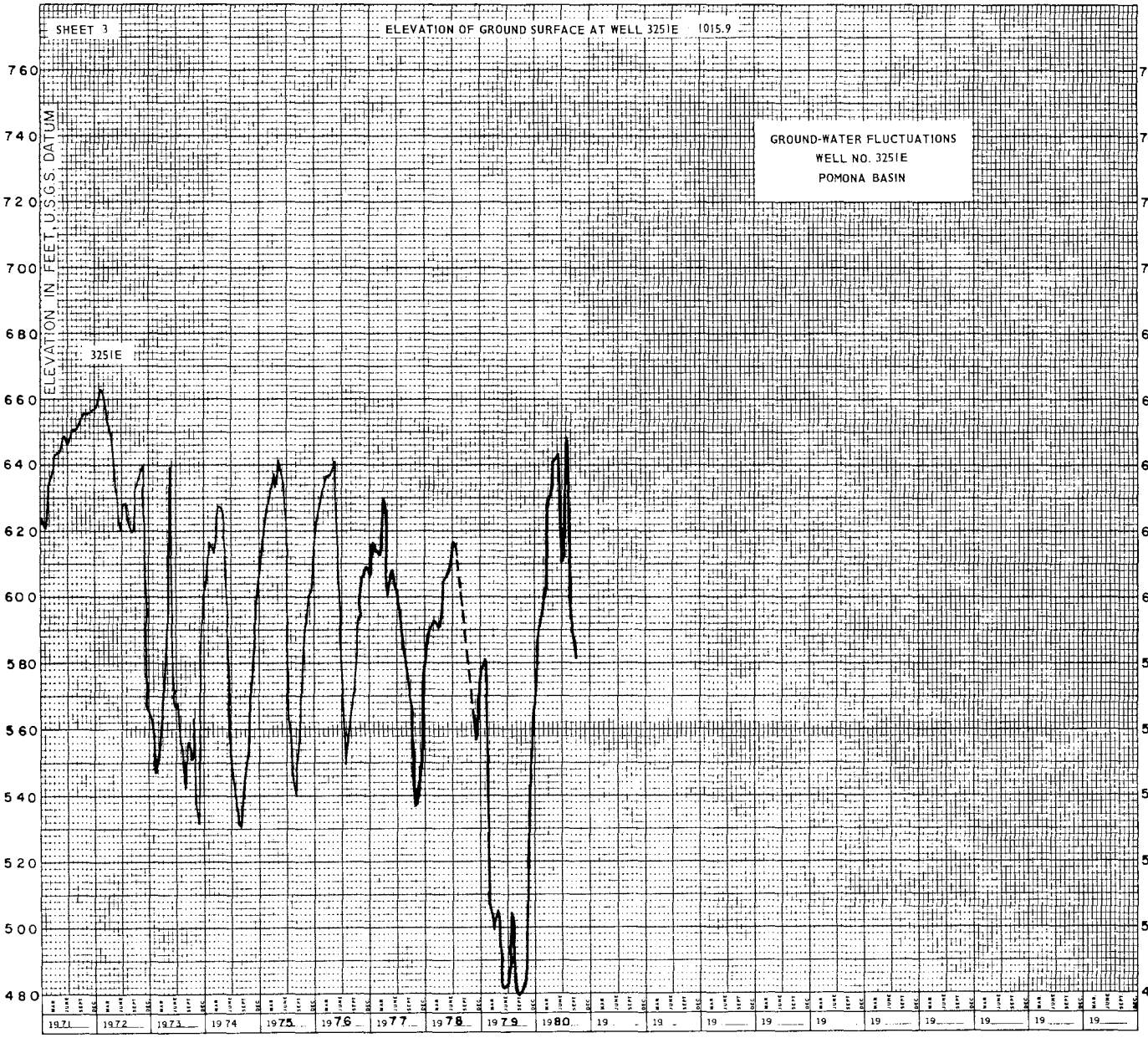


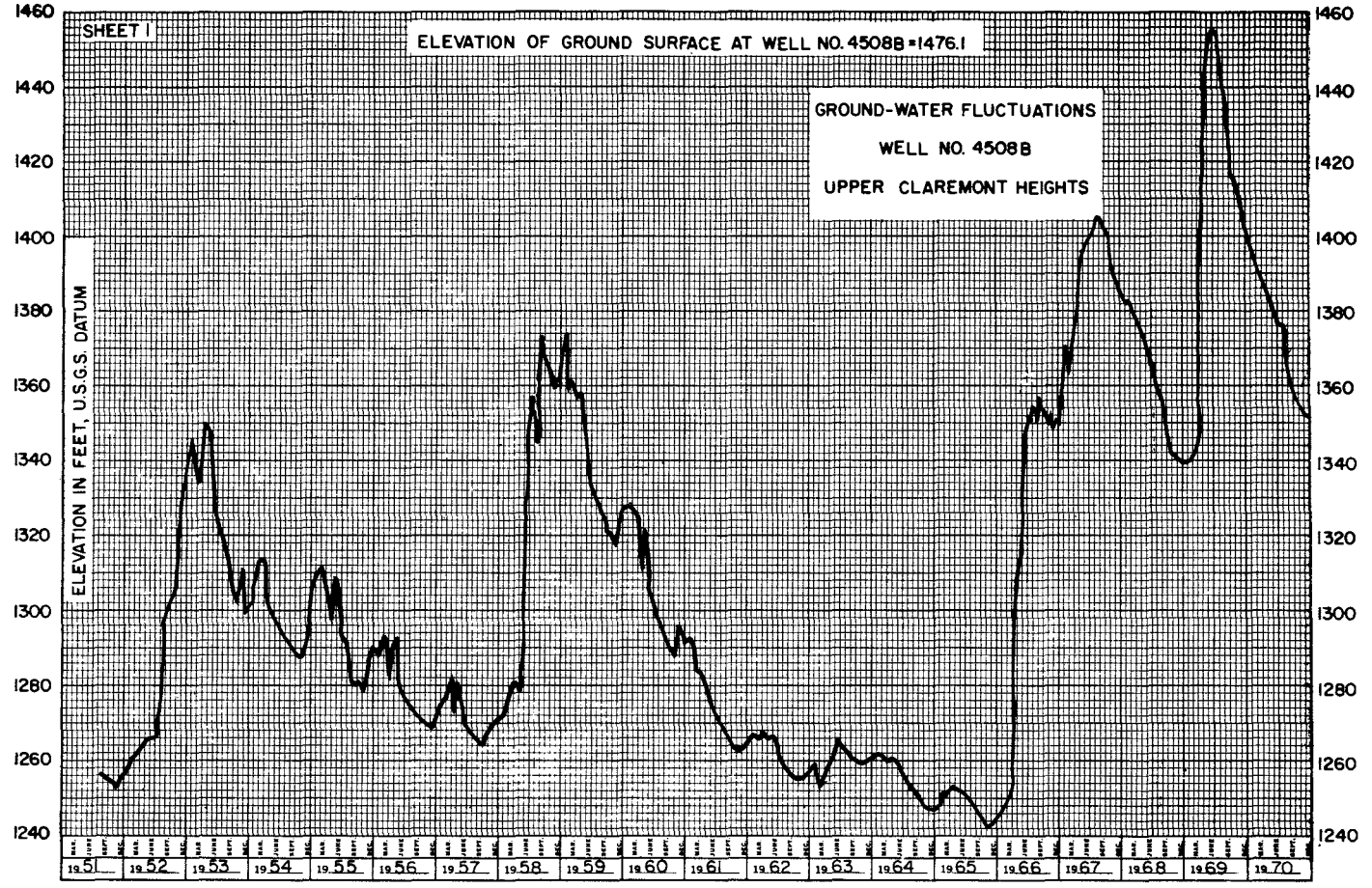
SHEET 3

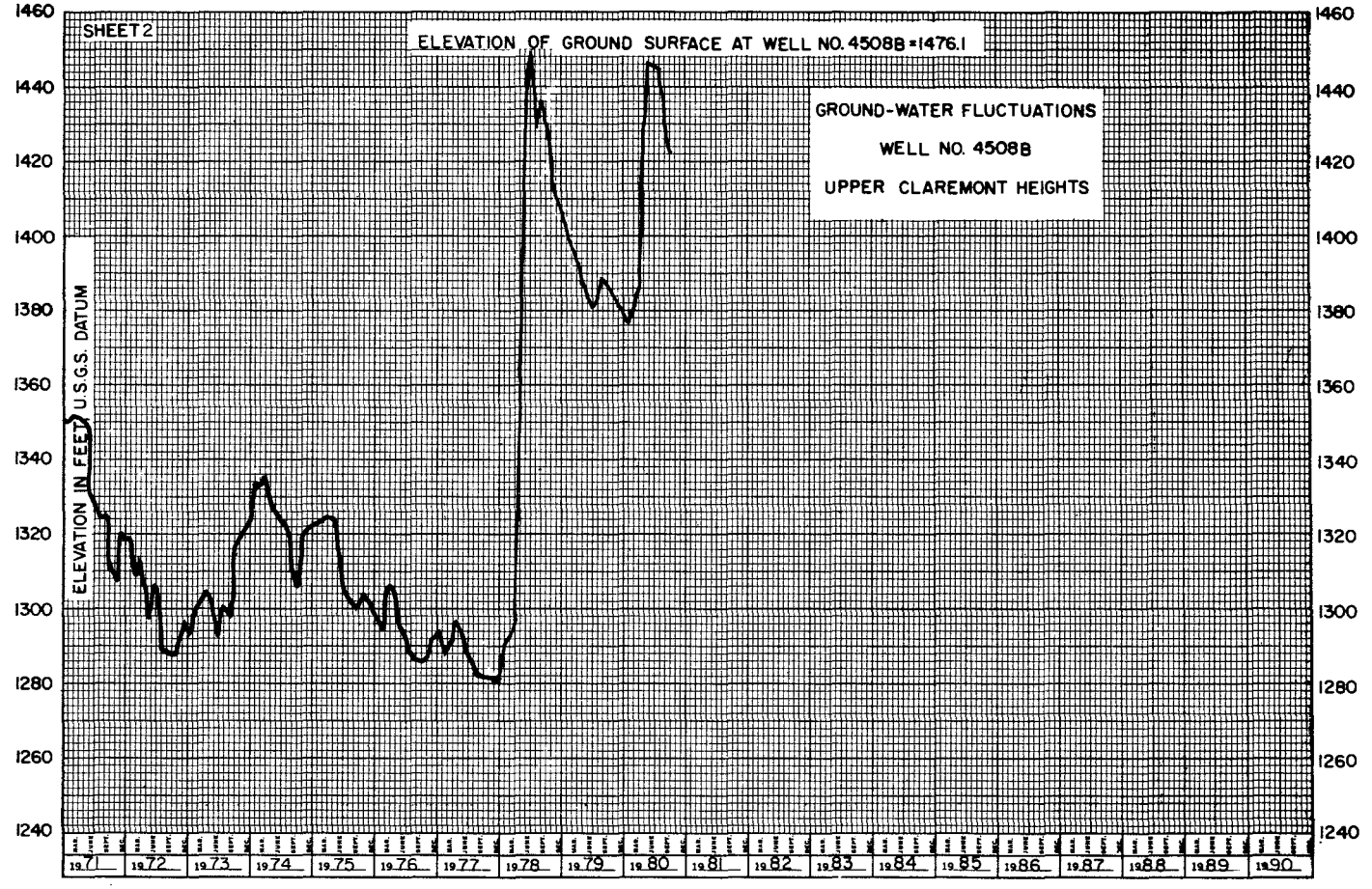


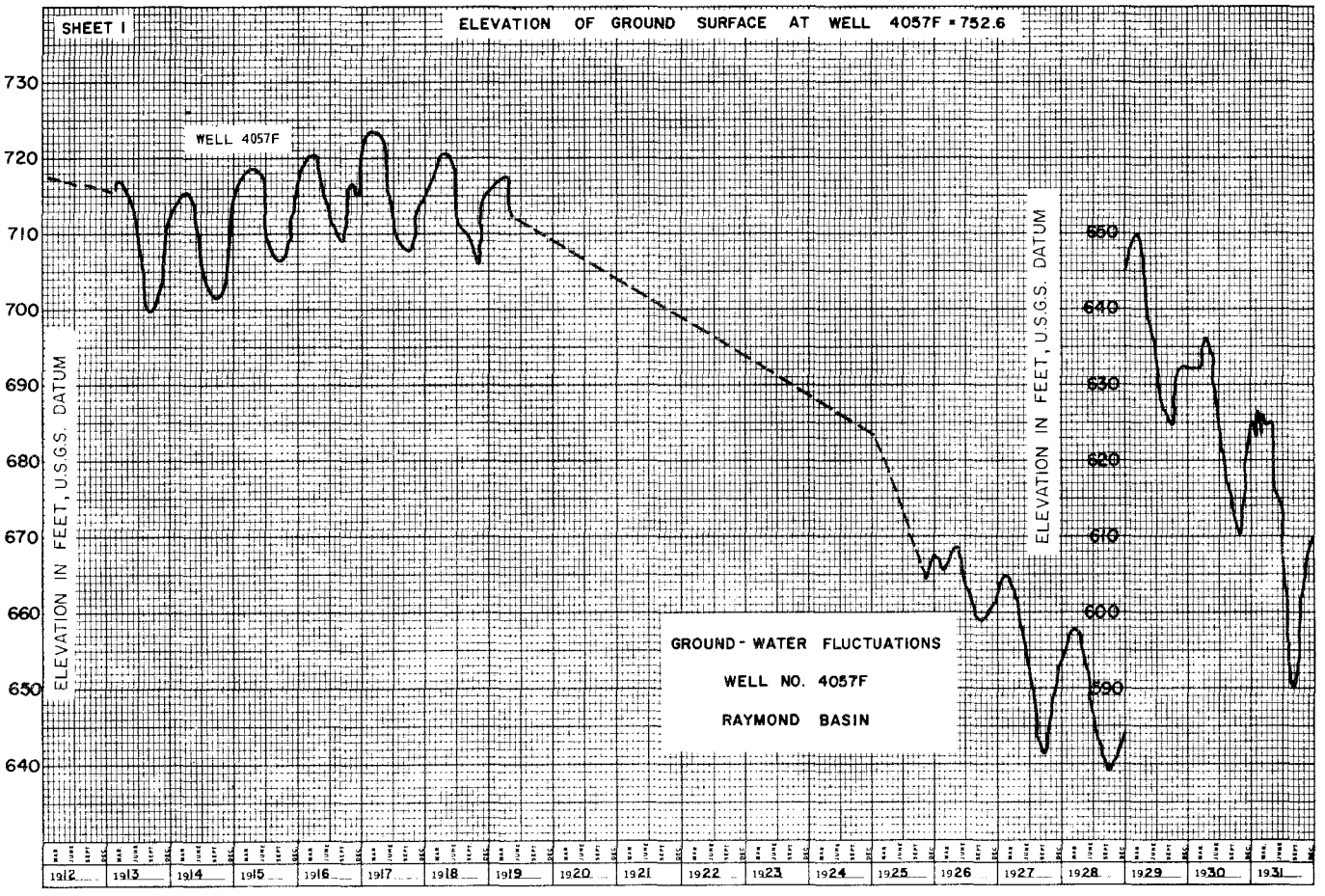

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL NO. 1241 F = 1029.5'
ELEVATION OF GROUND SURFACE AT WELL NO. 1241 C = 997.0'
ELEVATION IN FEET, U.S.G.S. DATUM
1241C
1241F
GROUND-WATER FLUCTUATIONS
WELL NOS. 1241F & 1241C
POMONA BASIN

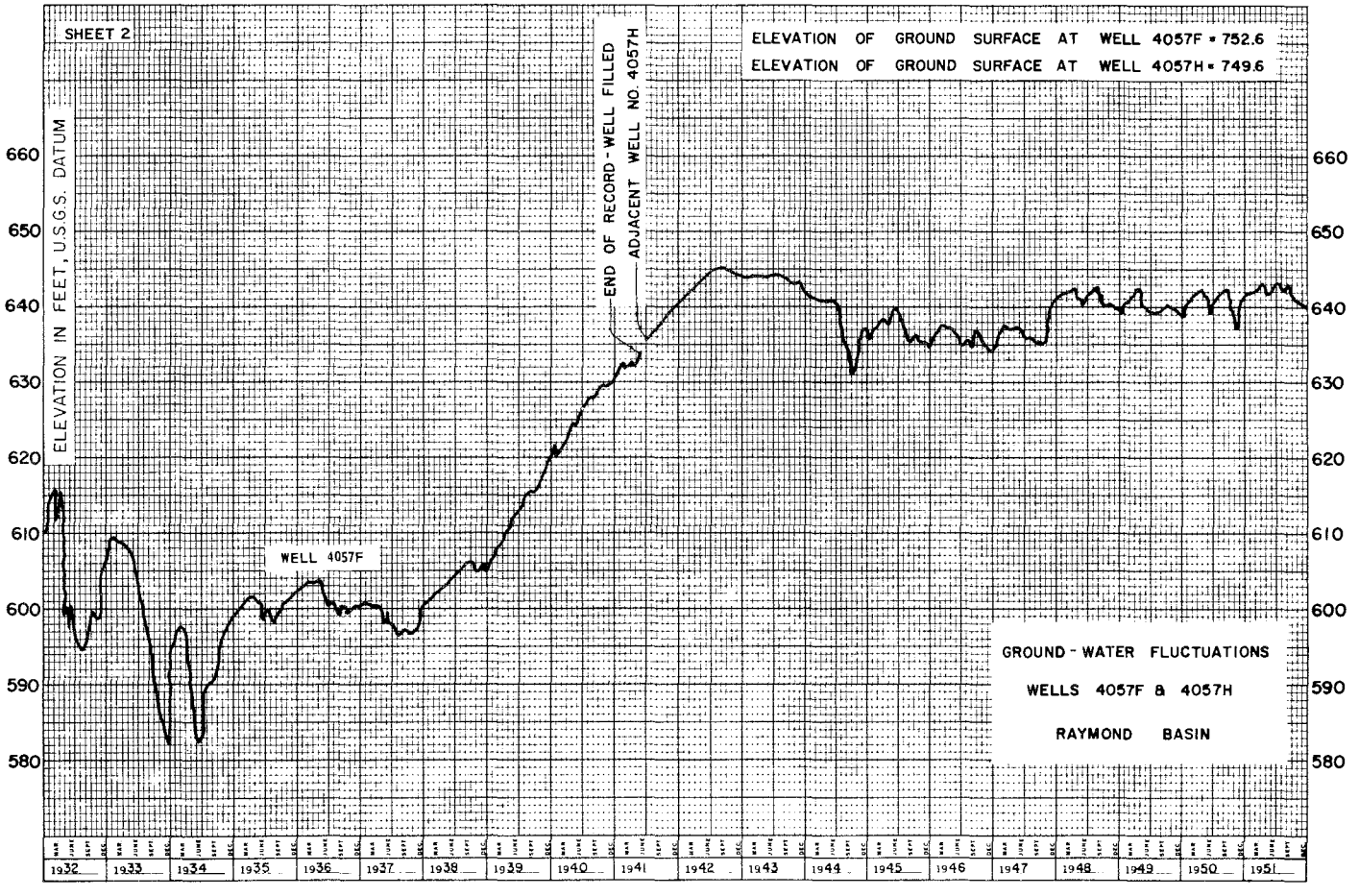

SHEET 2
ELEVATION OF GROUND SURFACE AT WELL 3261C = 997.0
ELEVATION OF GROUND SURFACE AT WELL 3251E = 1015.9
GROUND-WATER FLUCTUATIONS
WELL NOS. 3251E & 3261C
POMONA BASIN
ELEVATION IN FEET, U.S.G.S. DATUM
MEASUREMENTS INTERRUPTED
3261C
3251E

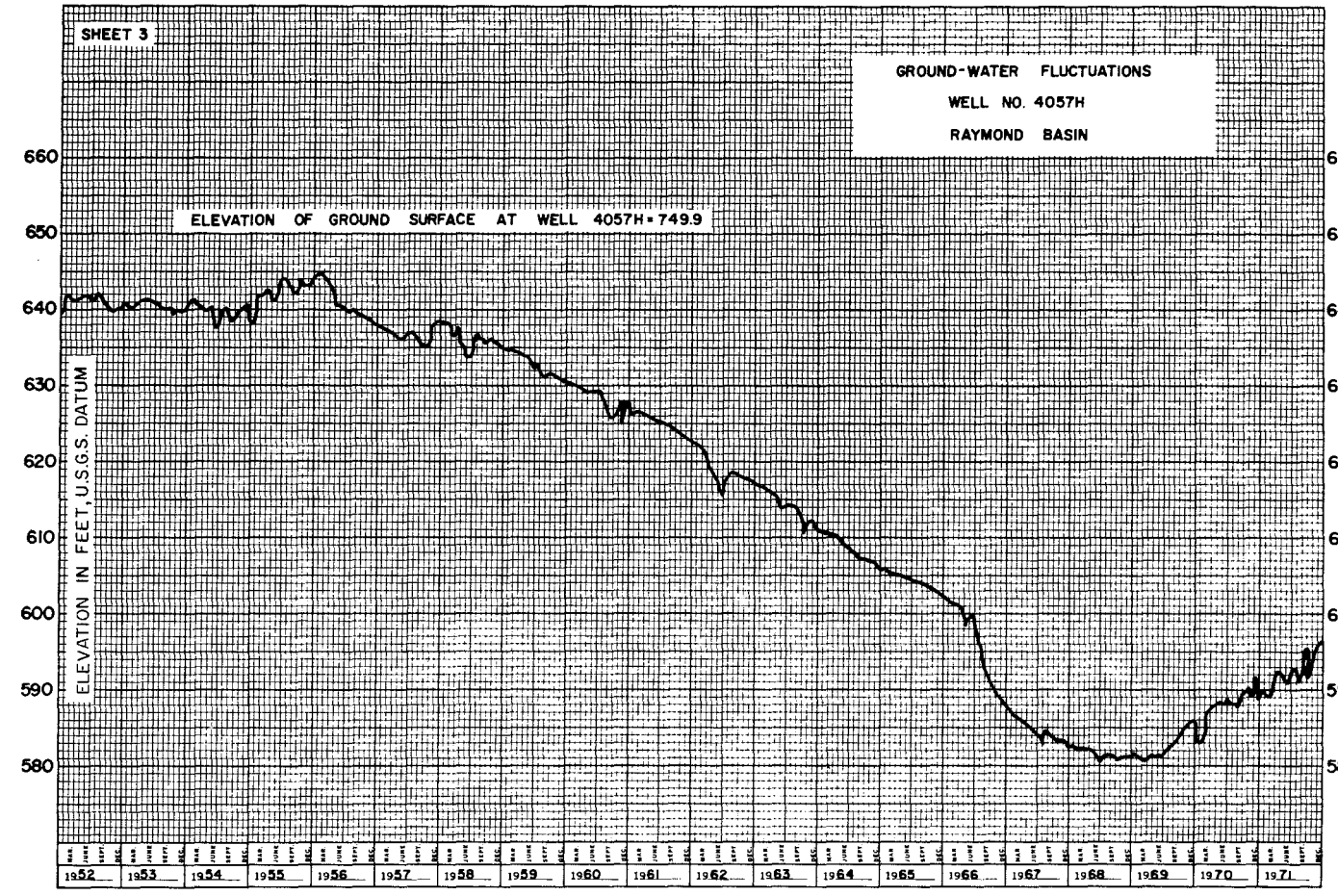

SHEET 3
ELEVATION OF GROUND SURFACE AT WELL 3251E 1015.9
GROUND-WATER FLUCTUATIONS
WELL NO. 3251E
POMONA BASIN
ELEVATION IN FEET, USGS DATUM
3251E
760
740
720
700
680
660
640
620
600
580
560
540
520
500
480
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980

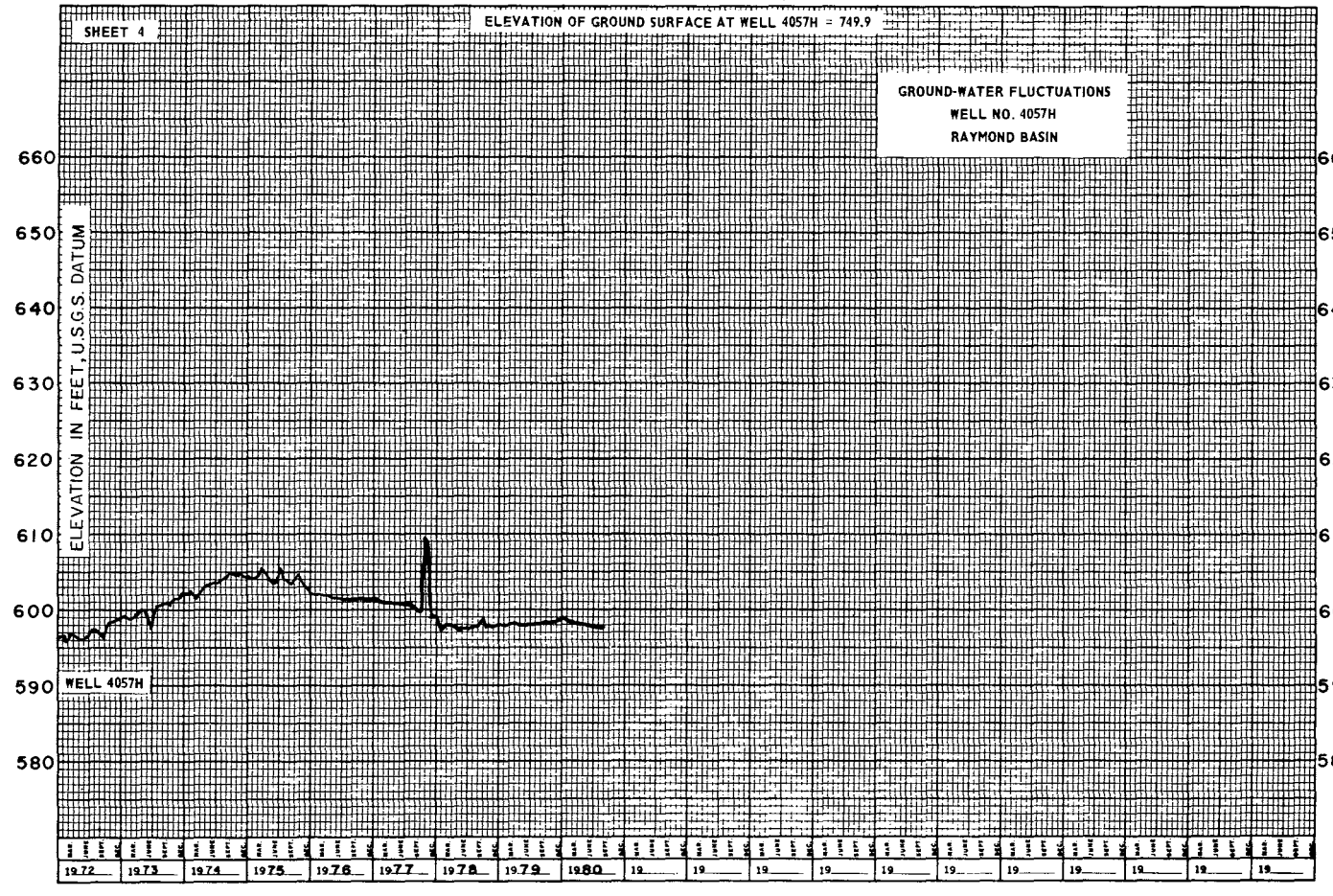

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL NO. 4508B = 1476.1
GROUND-WATER FLUCTUATIONS
WELL NO. 4508B
UPPER CLAREMONT HEIGHTS
ELEVATION IN FEET, U.S.G.S. DATUM
1460
1440
1420
1400
1380
1360
1340
1320
1300
1280
1260
1240
1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970

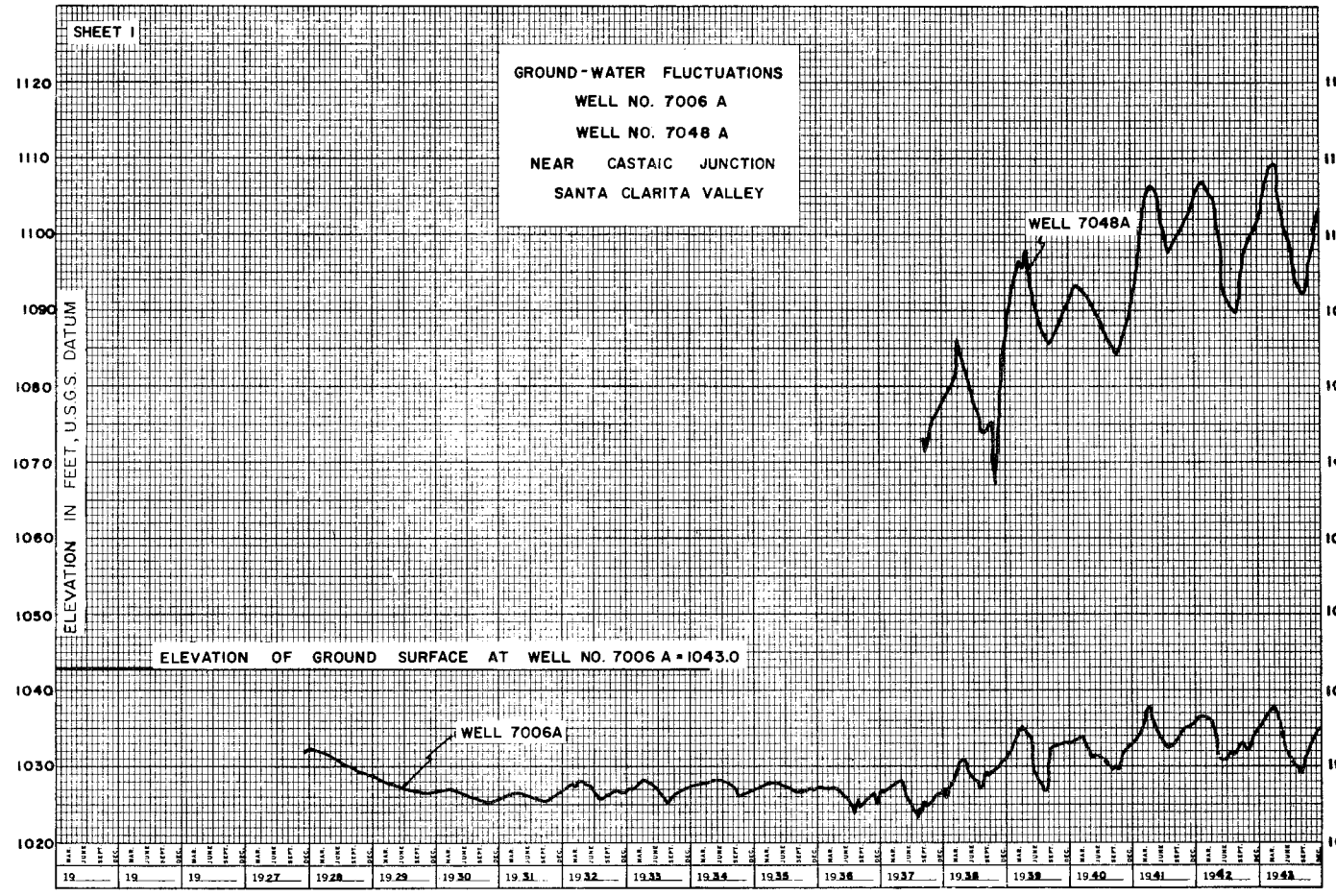

SHEET 2
ELEVATION OF GROUND SURFACE AT WELL NO. 4508B = 1476.1
GROUND-WATER FLUCTUATIONS
WELL NO. 4508B
UPPER CLAREMONT HEIGHTS
ELEVATION IN FEET, U.S.G.S. DATUM
1460
1440
1420
1400
1380
1360
1340
1320
1300
1280
1260
1240
1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990

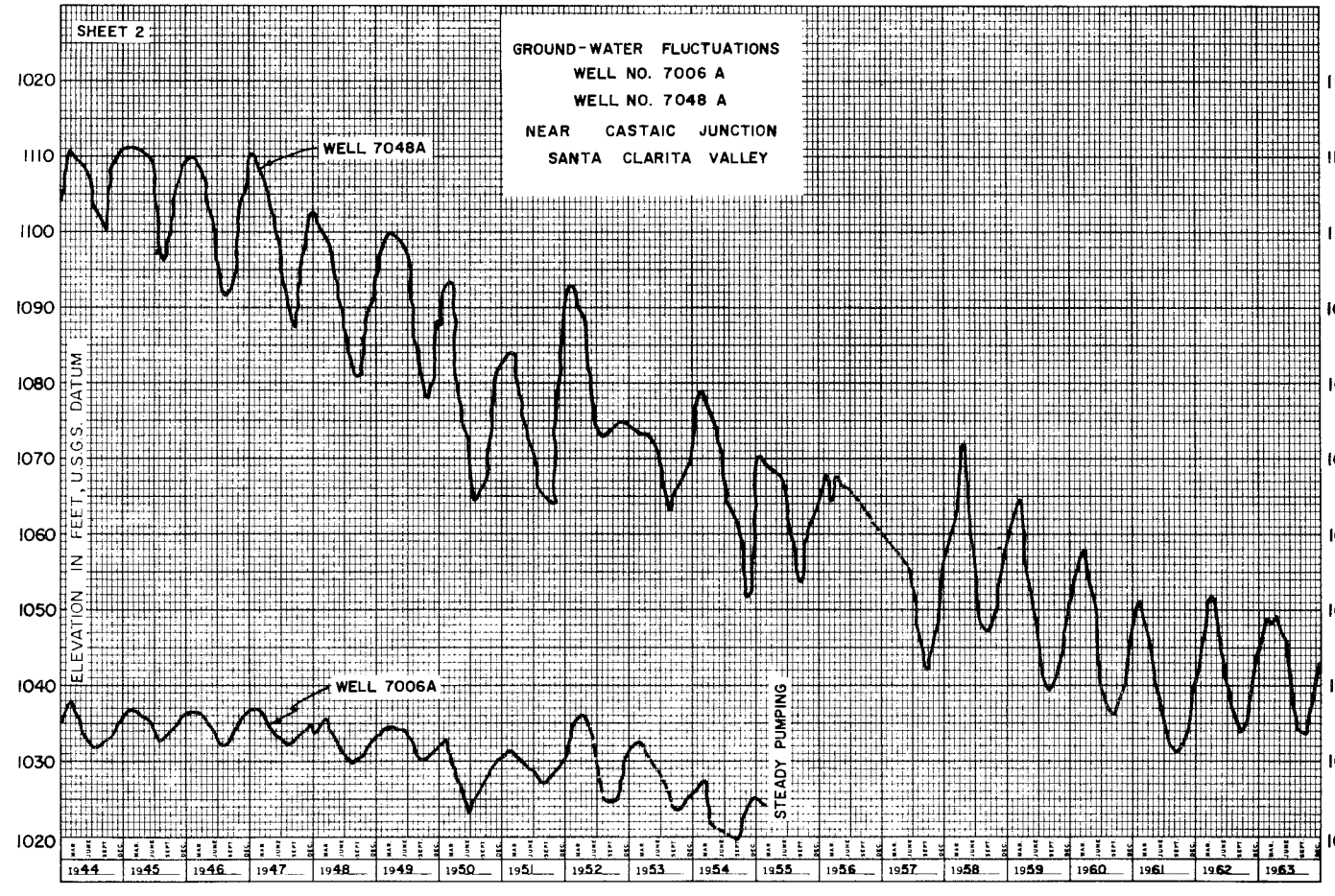

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL 4057F = 752.6
WELL 4057F
ELEVATION IN FEET, U.S.G.S. DATUM
730
720
710
700
690
680
670
660
650
640
650
640
630
620
610
600
590
GROUND-WATER FLUCTUATIONS
WELL NO. 4057F
RAYMOND BASIN
1912
1913
1914
1915
1916
1917
1918
1919
1920
1921
1922
1923
1924
1925
1926
1927
1928
1929
1930
1931

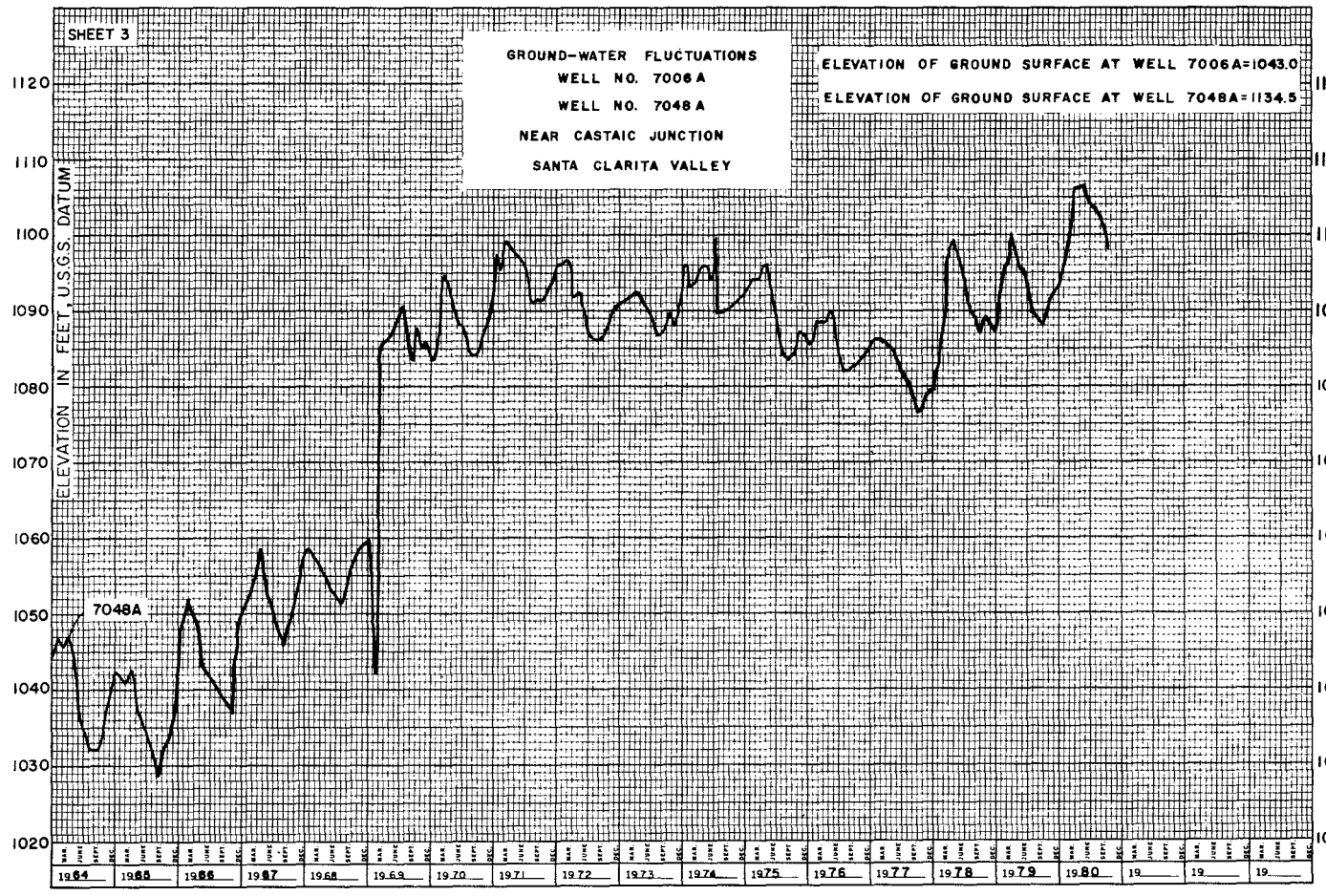

SHEET 2
ELEVATION OF GROUND SURFACE AT WELL 4057F = 752.6
ELEVATION OF GROUND SURFACE AT WELL 4057H = 749.6
END OF RECORD - WELL FILLED
ADJACENT WELL NO. 4057H
WELL 4057F
ELEVATION IN FEET, U.S.G.S. DATUM
660
650
640
630
620
610
600
590
580
GROUND-WATER FLUCTUATIONS
WELLS 4057F & 4057H
RAYMOND BASIN
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950
1951

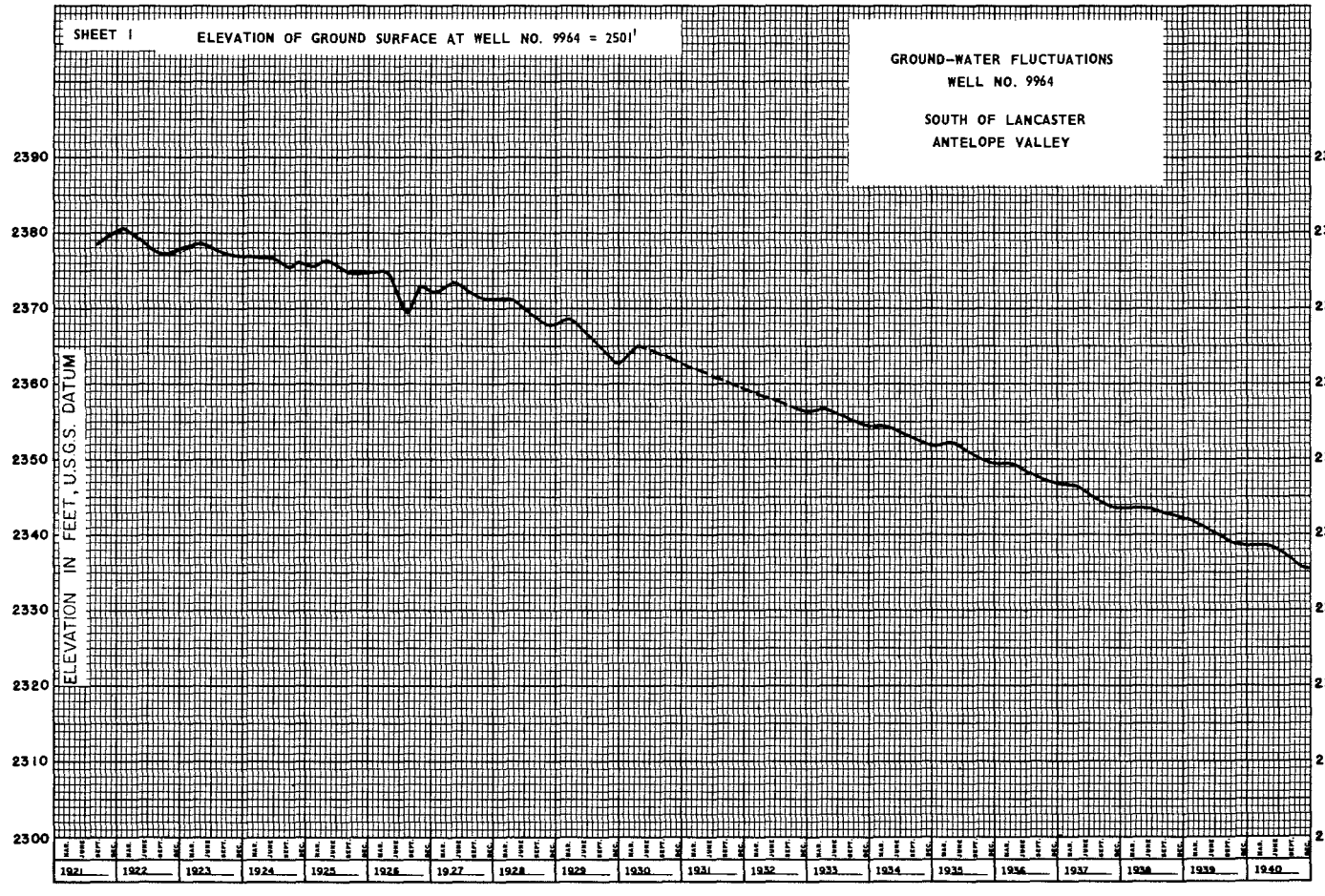

SHEET 3
GROUND-WATER FLUCTUATIONS
WELL NO. 4057H
RAYMOND BASIN
ELEVATION OF GROUND SURFACE AT WELL 4057H = 749.9
ELEVATION IN FEET, U.S.G.S. DATUM
660
650
640
630
620
610
600
590
580
1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971

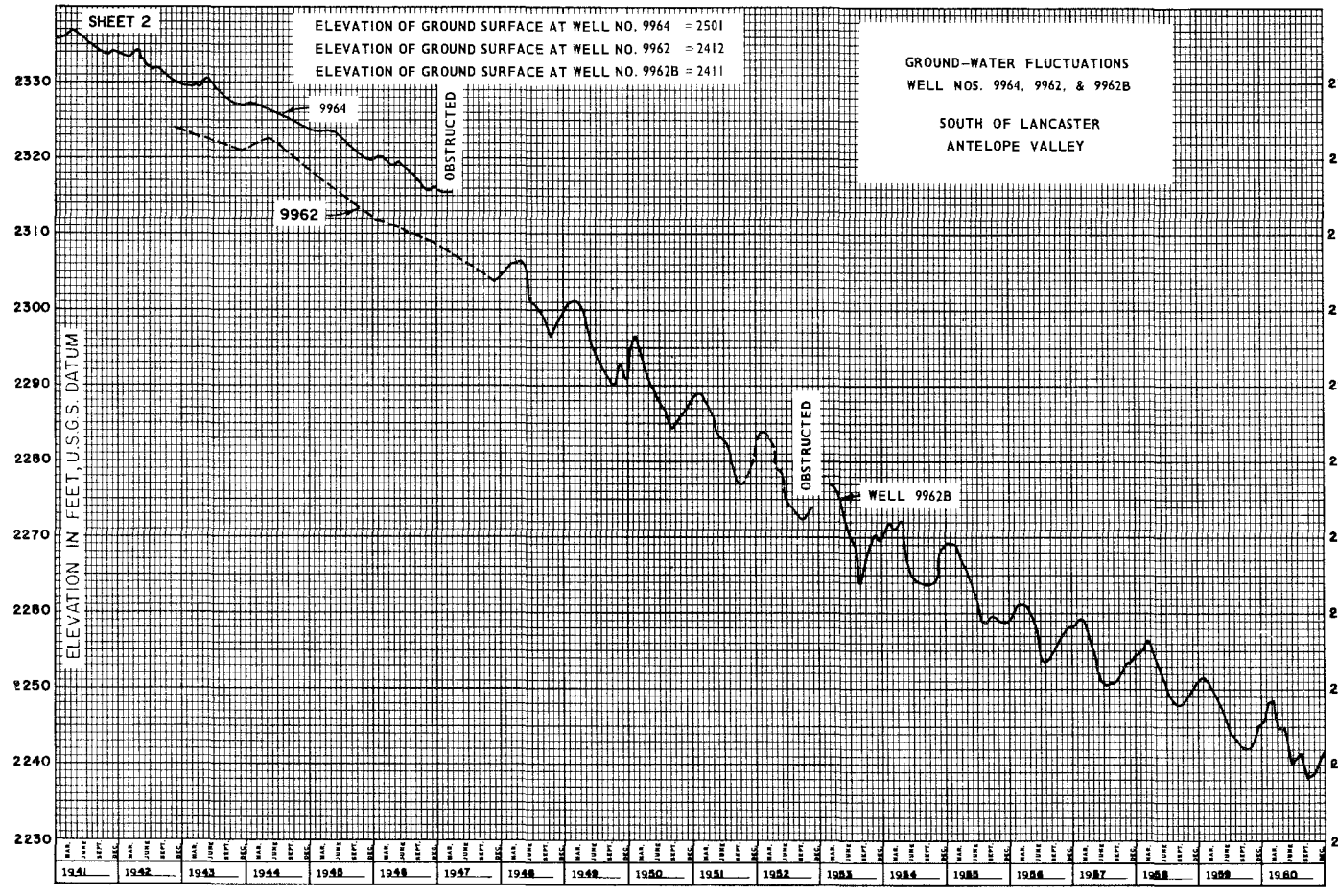

SHEET 4
ELEVATION OF GROUND SURFACE AT WELL 4057H = 749.9
GROUND-WATER FLUCTUATIONS
WELL NO. 4057H
RAYMOND BASIN
ELEVATION IN FEET, U.S.G.S. DATUM
660
650
640
630
620
610
600
590
580
WELL 4057H
1972 1973 1974 1975 1976 1977 1978 1979 1980 19 19 19 19 19 19 19 19 19 19

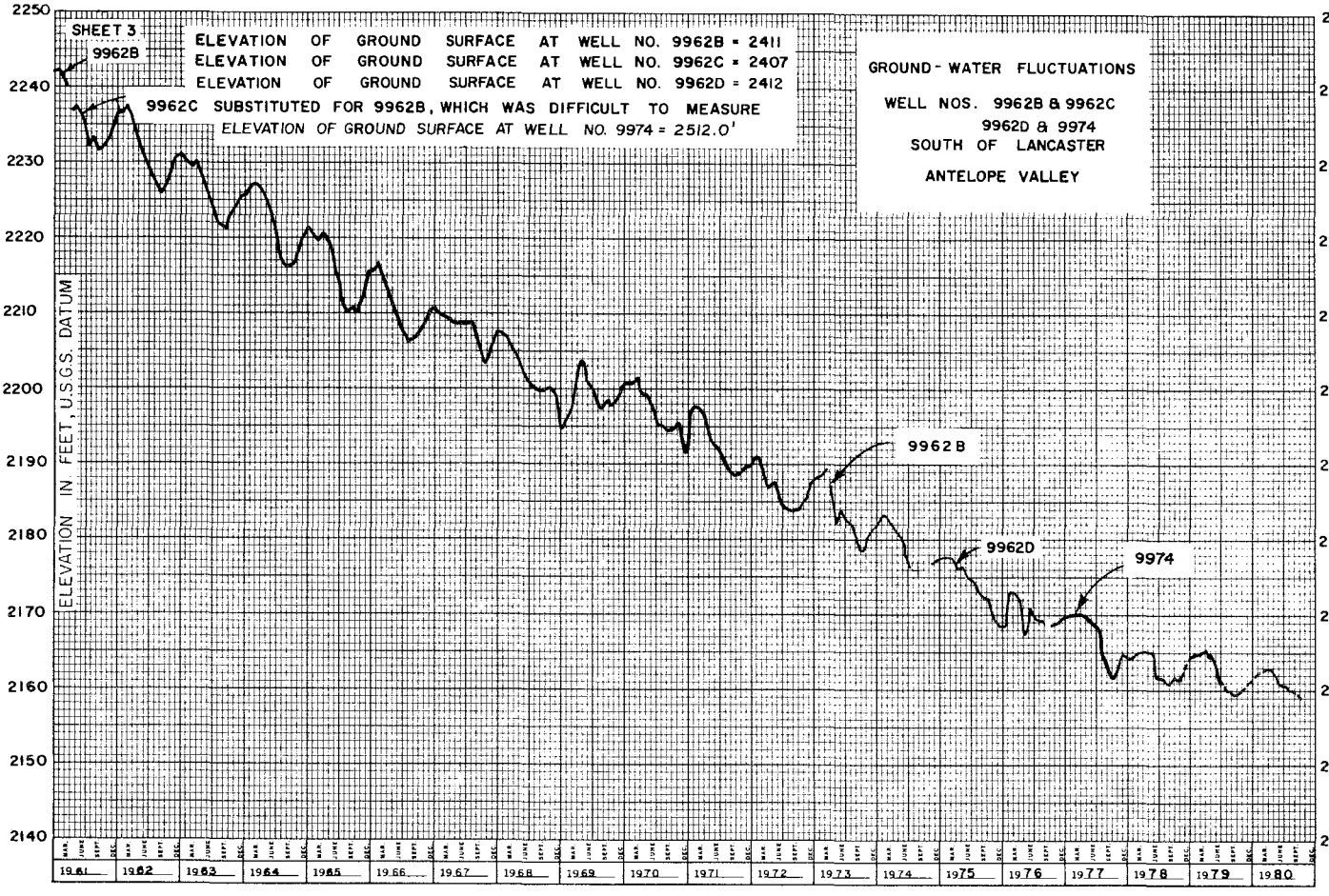

SHEET 1
GROUND-WATER FLUCTUATIONS
WELL NO. 7006 A
WELL NO. 7048 A
NEAR CASTAIC JUNCTION
SANTA CLARITA VALLEY
ELEVATION IN FEET, U.S.G.S. DATUM
WELL 7048A
ELEVATION OF GROUND SURFACE AT WELL NO. 7006 A = 1043.0
WELL 7006A
1120
1110
1100
1090
1080
1070
1060
1050
1040
1030
1020
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943

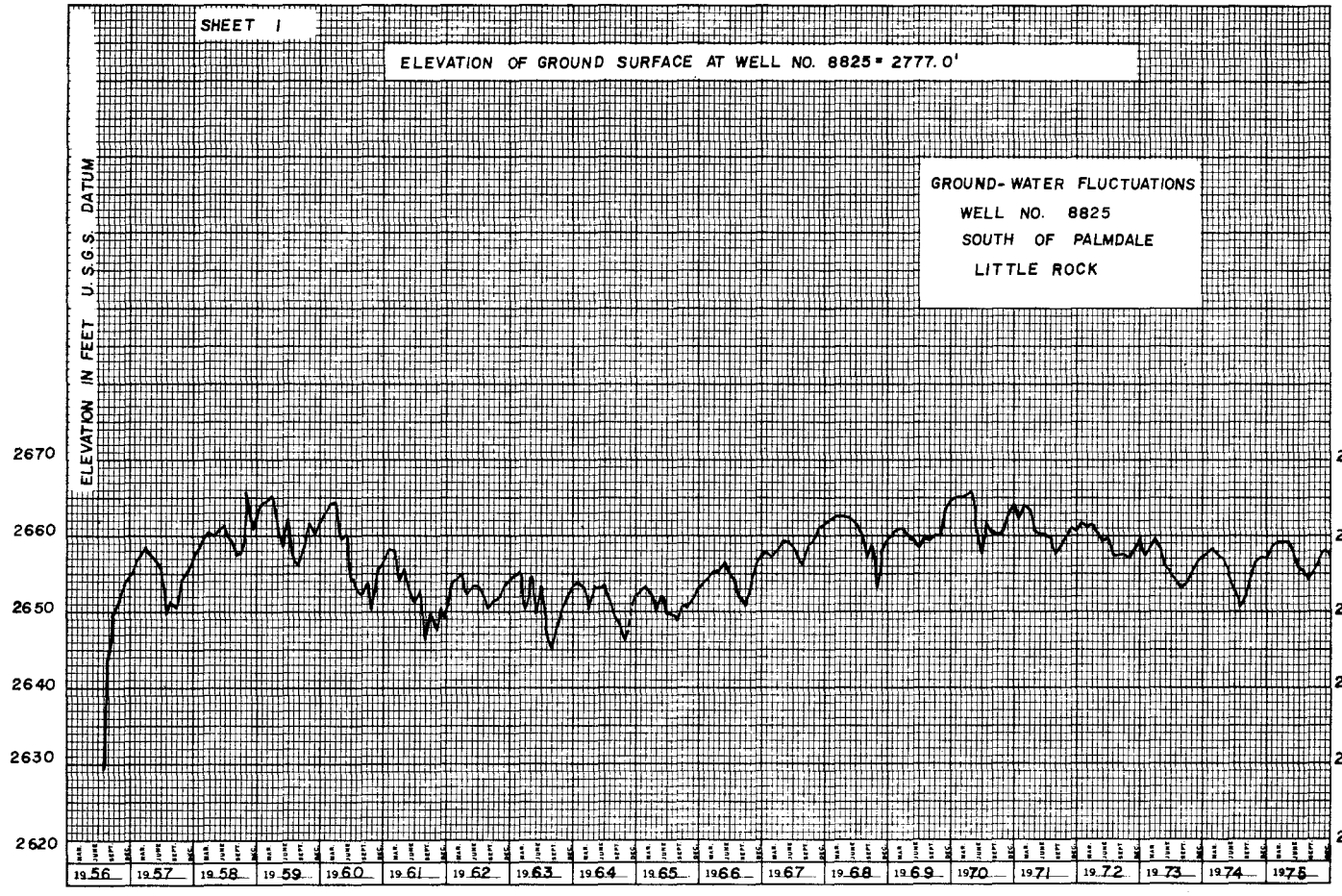

SHEET 2
GROUND-WATER FLUCTUATIONS
WELL NO. 7006 A
WELL NO. 7048 A
NEAR CASTAIC JUNCTION
SANTA CLARITA VALLEY
ELEVATION IN FEET, U.S.G.S. DATUM
WELL 7048A
WELL 7006A
STEADY PUMPING
1120
1110
1100
1090
1080
1070
1060
1050
1040
1030
1020
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961
1962
1963

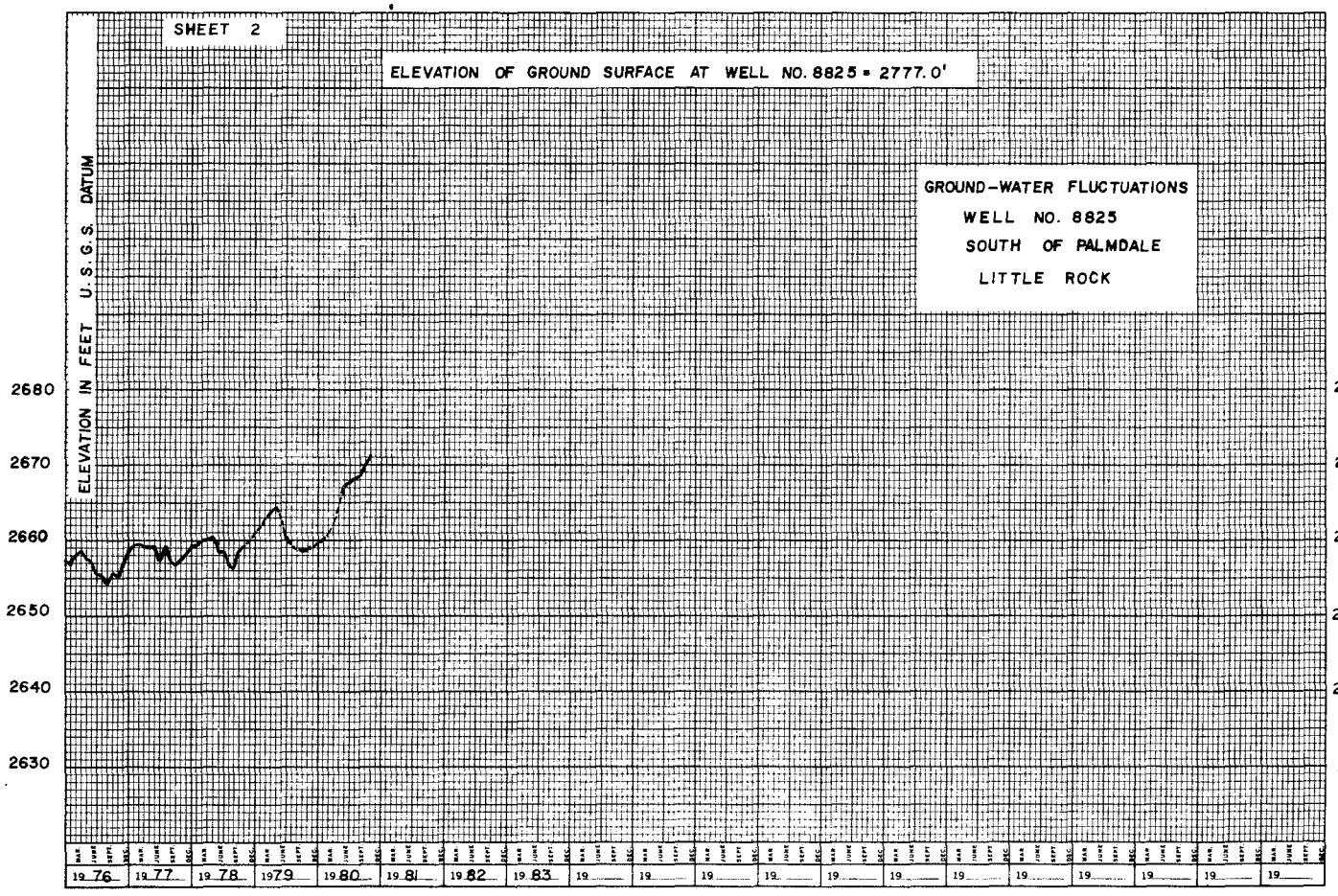

SHEET 3
GROUND-WATER FLUCTUATIONS
WELL NO. 7006A
WELL NO. 7048A
NEAR CASTAIC JUNCTION
SANTA CLARITA VALLEY
ELEVATION OF GROUND SURFACE AT WELL 7006A=1043.0
ELEVATION OF GROUND SURFACE AT WELL 7048A=1134.5
ELEVATION IN FEET, U.S.G.S. DATUM
7048A
1120
1110
1100
1090
1080
1070
1060
1050
1040
1030
1020
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980

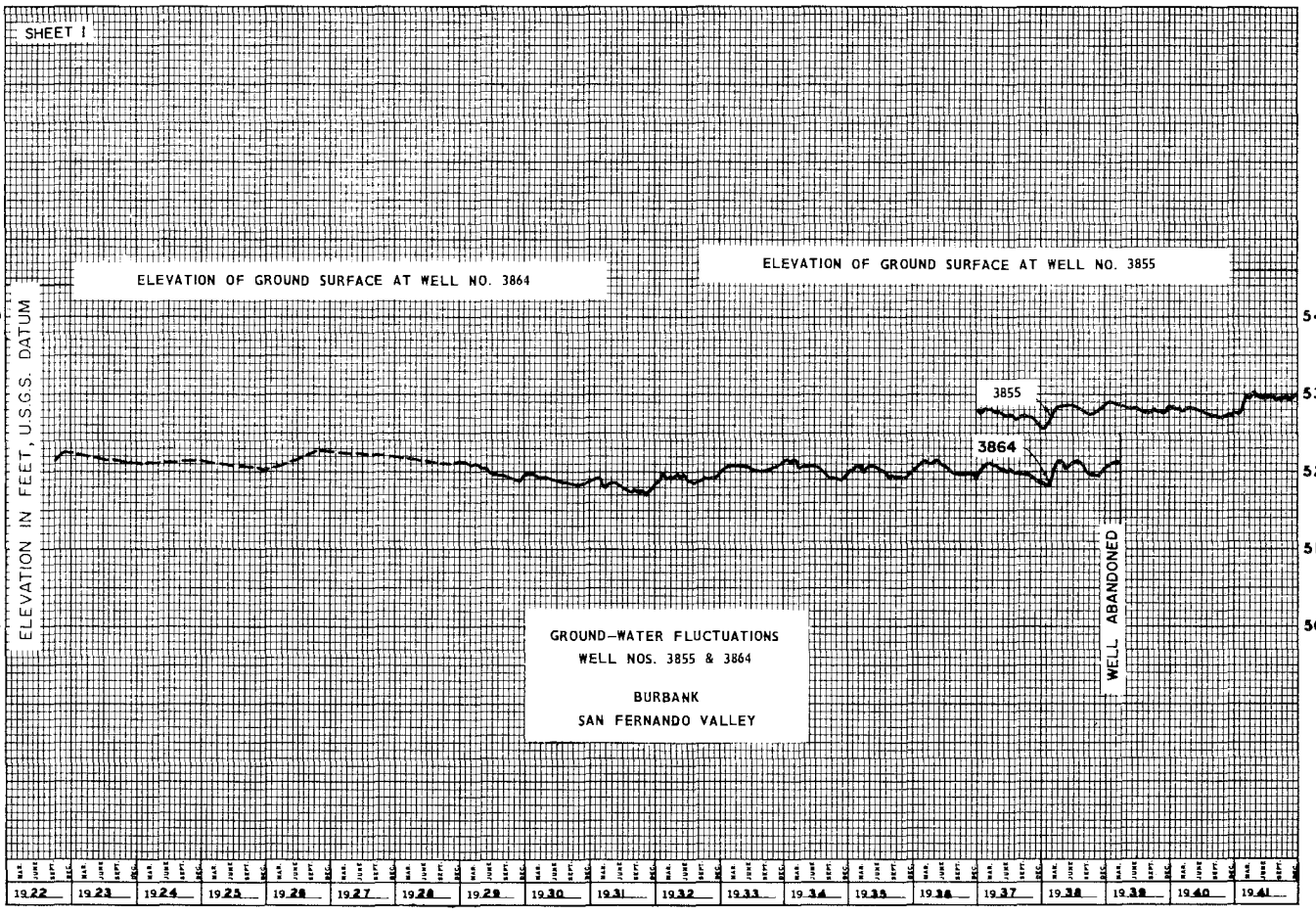

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL NO. 9964 = 2501'
GROUND-WATER FLUCTUATIONS
WELL NO. 9964
SOUTH OF LANCASTER
ANTELOPE VALLEY
ELEVATION IN FEET, U.S.G.S. DATUM
2390
2380
2370
2360
2350
2340
2330
2320
2310
2300
1921
1922
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940

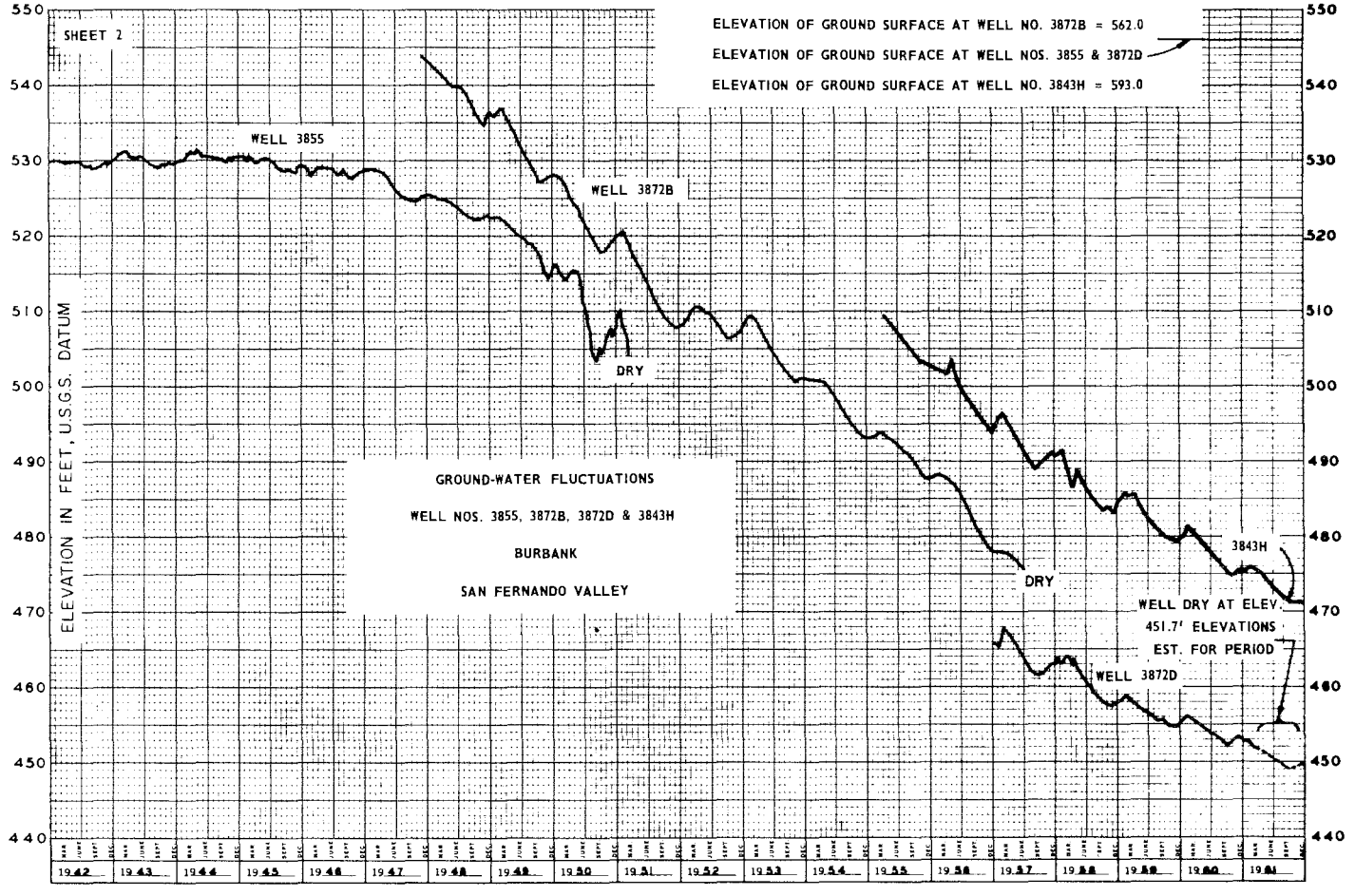

SHEET 2
ELEVATION OF GROUND SURFACE AT WELL NO. 9964 = 2501
ELEVATION OF GROUND SURFACE AT WELL NO. 9962 = 2412
ELEVATION OF GROUND SURFACE AT WELL NO. 9962B = 2411
GROUND-WATER FLUCTUATIONS
WELL NOS. 9964, 9962, & 9962B
SOUTH OF LANCASTER
ANTELOPE VALLEY
9964
9962
OBSTRUCTED
OBSTRUCTED
WELL 9962B
ELEVATION IN FEET, U.S.G.S. DATUM
2330
2320
2310
2300
2290
2280
2270
2260
2250
2240
2230
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960

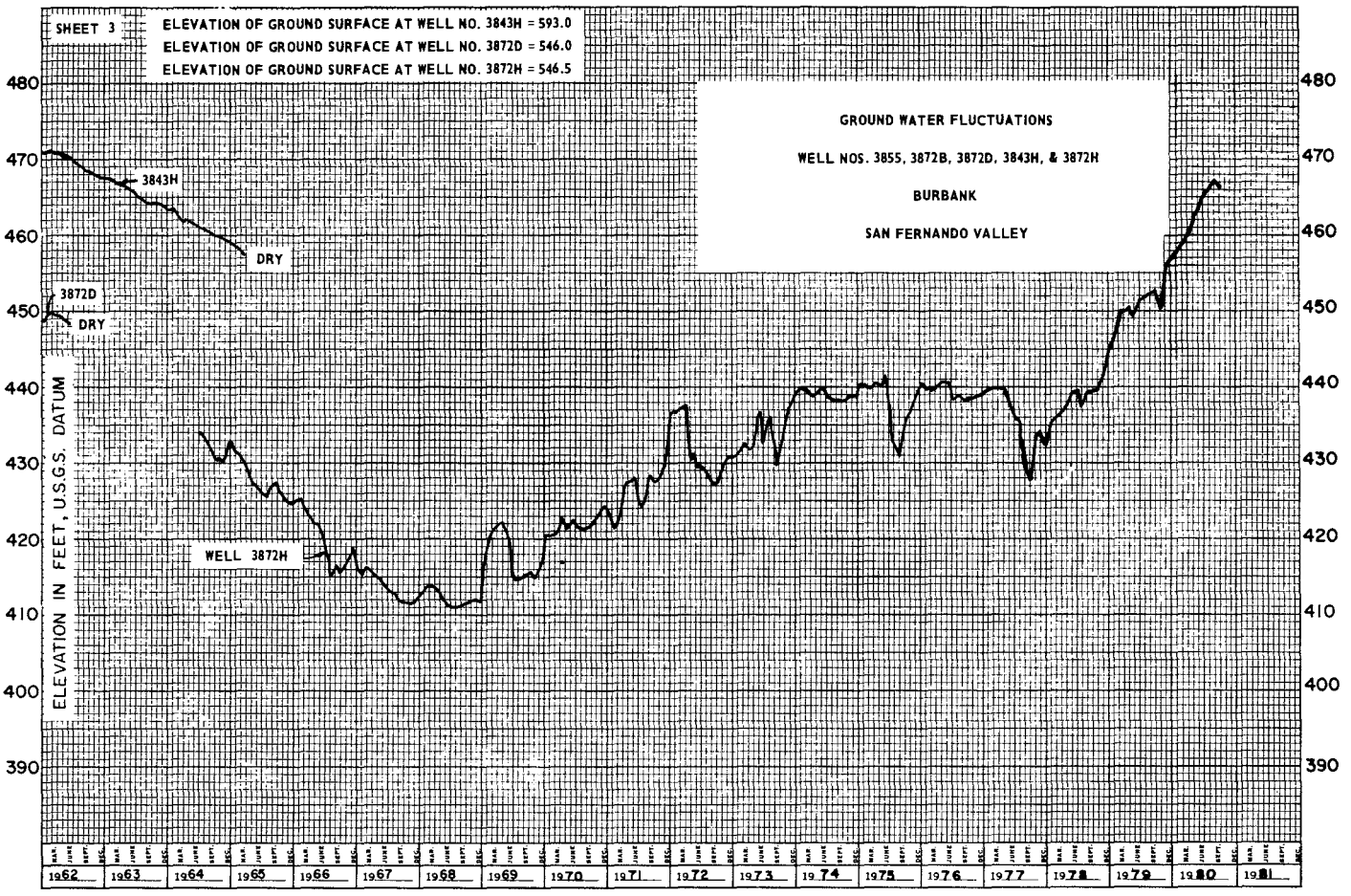

SHEET 3
9962B
ELEVATION OF GROUND SURFACE AT WELL NO. 9962B = 2411
ELEVATION OF GROUND SURFACE AT WELL NO. 9962C = 2407
ELEVATION OF GROUND SURFACE AT WELL NO. 9962D = 2412
9962C SUBSTITUTED FOR 9962B, WHICH WAS DIFFICULT TO MEASURE
ELEVATION OF GROUND SURFACE AT WELL NO. 9974 = 2512.0'
GROUND-WATER FLUCTUATIONS
WELL NOS. 9962B & 9962C
9962D & 9974
SOUTH OF LANCASTER
ANTELOPE VALLEY
9962B
9962D
9974
ELEVATION IN FEET, U.S.G.S. DATUM
2250
2240
2230
2220
2210
2200
2190
2180
2170
2160
2150
2140
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980

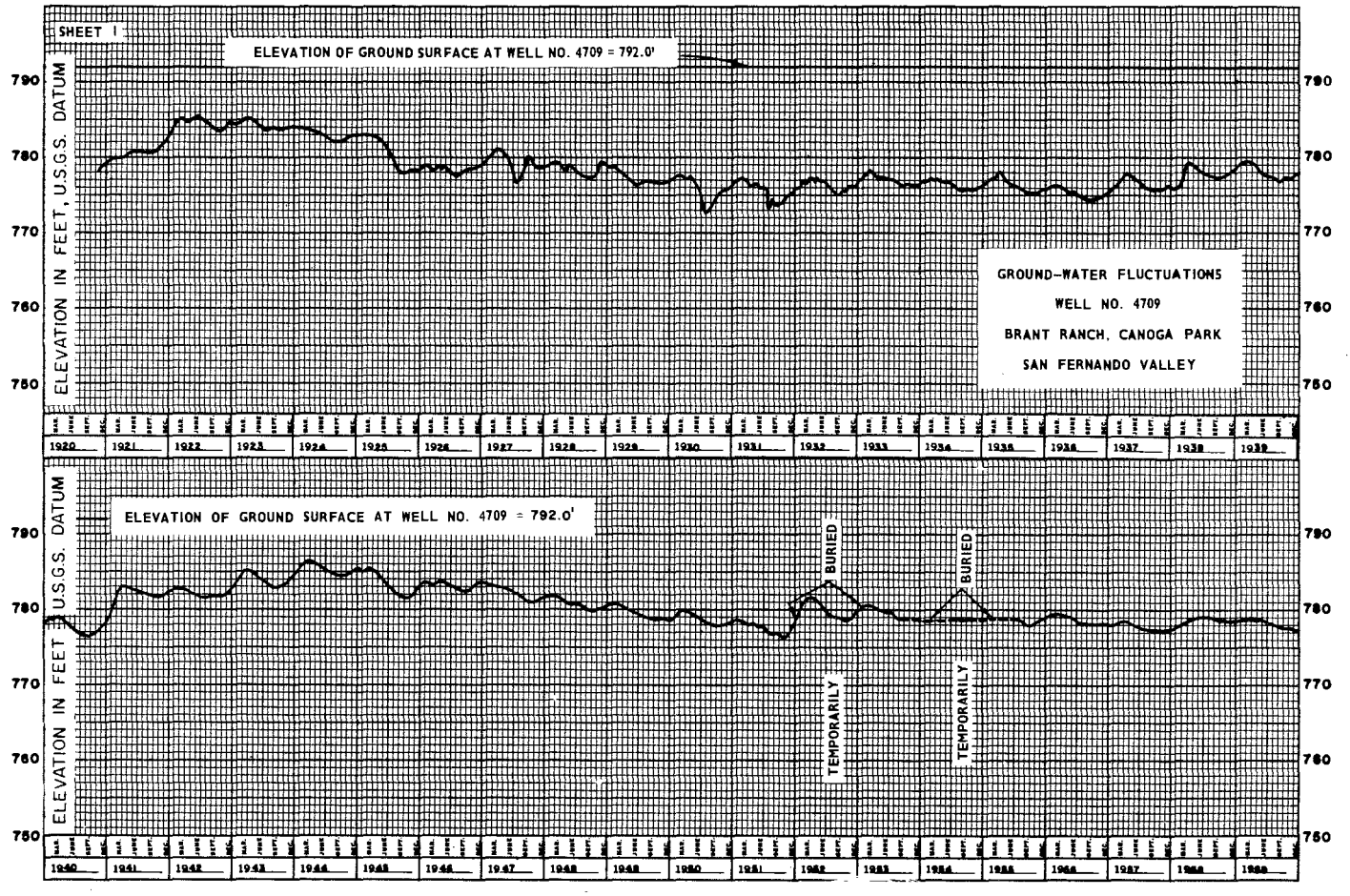

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL NO. 8825 = 2777.0'
GROUND-WATER FLUCTUATIONS
WELL NO. 8825
SOUTH OF PALMDALE
LITTLE ROCK
ELEVATION IN FEET U.S.G.S. DATUM
2670
2660
2650
2640
2630
2620
19 56
19 57
19 58
19 59
19 60
19 61
19 62
19 63
19 64
19 65
19 66
19 67
19 68
19 69
19 70
19 71
19 72
19 73
19 74
19 75


SHEET 2
ELEVATION OF GROUND SURFACE AT WELL NO. 8825 = 2777.0'
GROUND-WATER FLUCTUATIONS
WELL NO. 8825
SOUTH OF PALMDALE
LITTLE ROCK
ELEVATION IN FEET U.S.G.S. DATUM
2680
2670
2660
2650
2640
2630
19 76
19 77
19 78
19 79
19 80
19 81
19 82
19 83
19
19
19
19
19
19
19
19
19
19


SHEET 1
ELEVATION OF GROUND SURFACE AT WELL NO. 3864
ELEVATION OF GROUND SURFACE AT WELL NO. 3855
ELEVATION IN FEET, U.S.G.S. DATUM
540
530
520
510
500
3855
3864
WELL ABANDONED
GROUND-WATER FLUCTUATIONS
WELL NOS. 3855 & 3864
BURBANK
SAN FERNANDO VALLEY
1922
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941

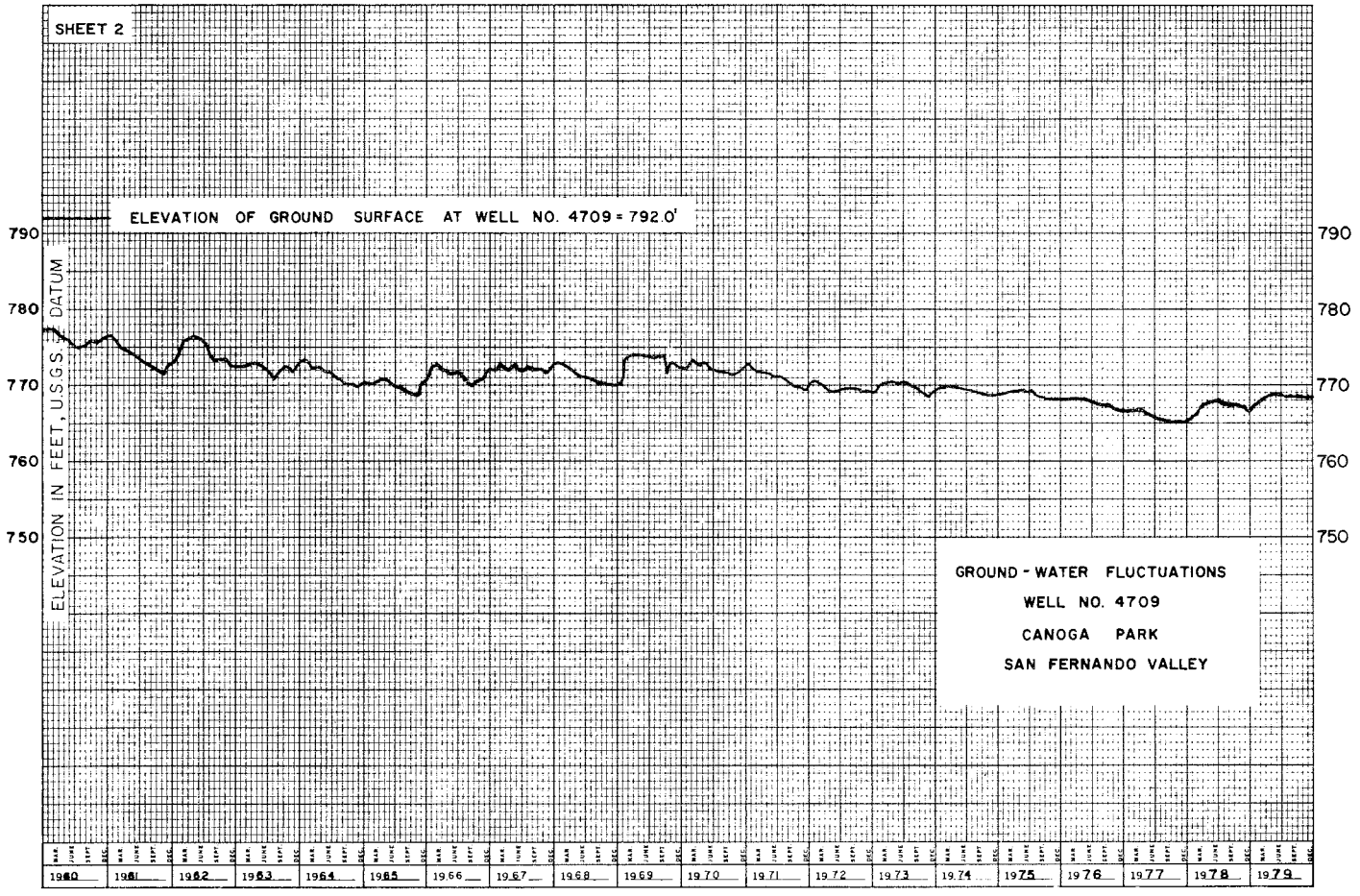

SHEET 2
ELEVATION OF GROUND SURFACE AT WELL NO. 3872B = 562.0
ELEVATION OF GROUND SURFACE AT WELL NOS. 3855 & 3872D
ELEVATION OF GROUND SURFACE AT WELL NO. 3843H = 593.0
ELEVATION IN FEET, U.S.G.S. DATUM
550
540
530
520
510
500
490
480
470
460
450
440
WELL 3855
WELL 3872B
DRY
DRY
3843H
WELL DRY AT ELEV. 451.7' ELEVATIONS EST. FOR PERIOD
WELL 3872D
GROUND-WATER FLUCTUATIONS
WELL NOS. 3855, 3872B, 3872D & 3843H
BURBANK
SAN FERNANDO VALLEY
1942
1943
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961


SHEET 3
ELEVATION OF GROUND SURFACE AT WELL NO. 3843H = 593.0
ELEVATION OF GROUND SURFACE AT WELL NO. 3872D = 546.0
ELEVATION OF GROUND SURFACE AT WELL NO. 3872H = 546.5
GROUND WATER FLUCTUATIONS
WELL NOS. 3855, 3872B, 3872D, 3843H, & 3872H
BURBANK
SAN FERNANDO VALLEY
3843H
DRY
3872D
DRY
WELL 3872H
ELEVATION IN FEET, U.S.G.S. DATUM
480
470
460
450
440
430
420
410
400
390
1962
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981

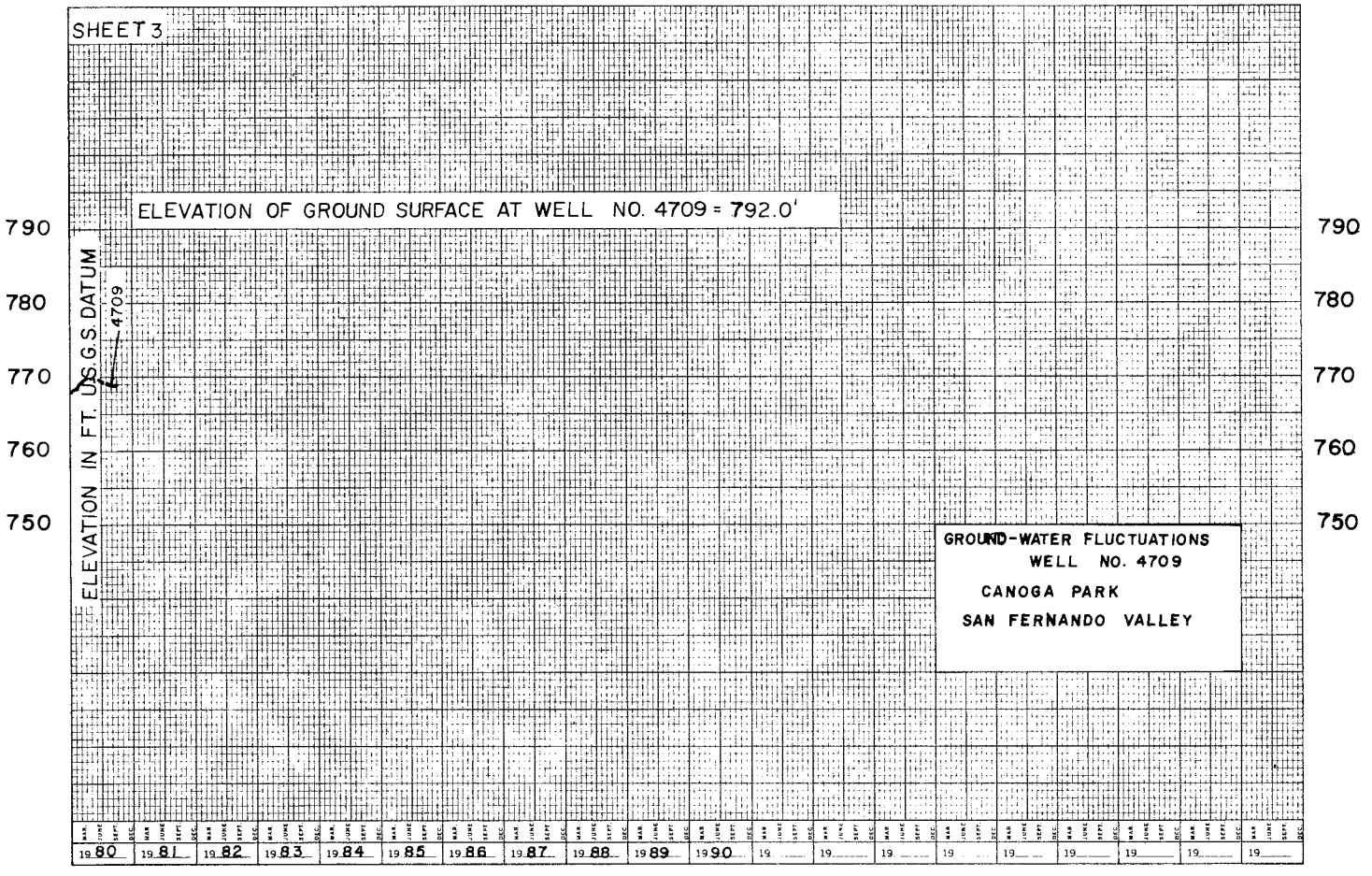

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL NO. 4709 = 792.0'
GROUND-WATER FLUCTUATIONS
WELL NO. 4709
BRANT RANCH, CANOGA PARK
SAN FERNANDO VALLEY
ELEVATION IN FEET, U.S.G.S. DATUM
790
780
770
760
750
1920
1921
1922
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939

ELEVATION OF GROUND SURFACE AT WELL NO. 4709 = 792.0'
TEMPORARILY BURIED
TEMPORARILY BURIED
ELEVATION IN FEET U.S.G.S. DATUM
790
780
770
760
750
1940
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959

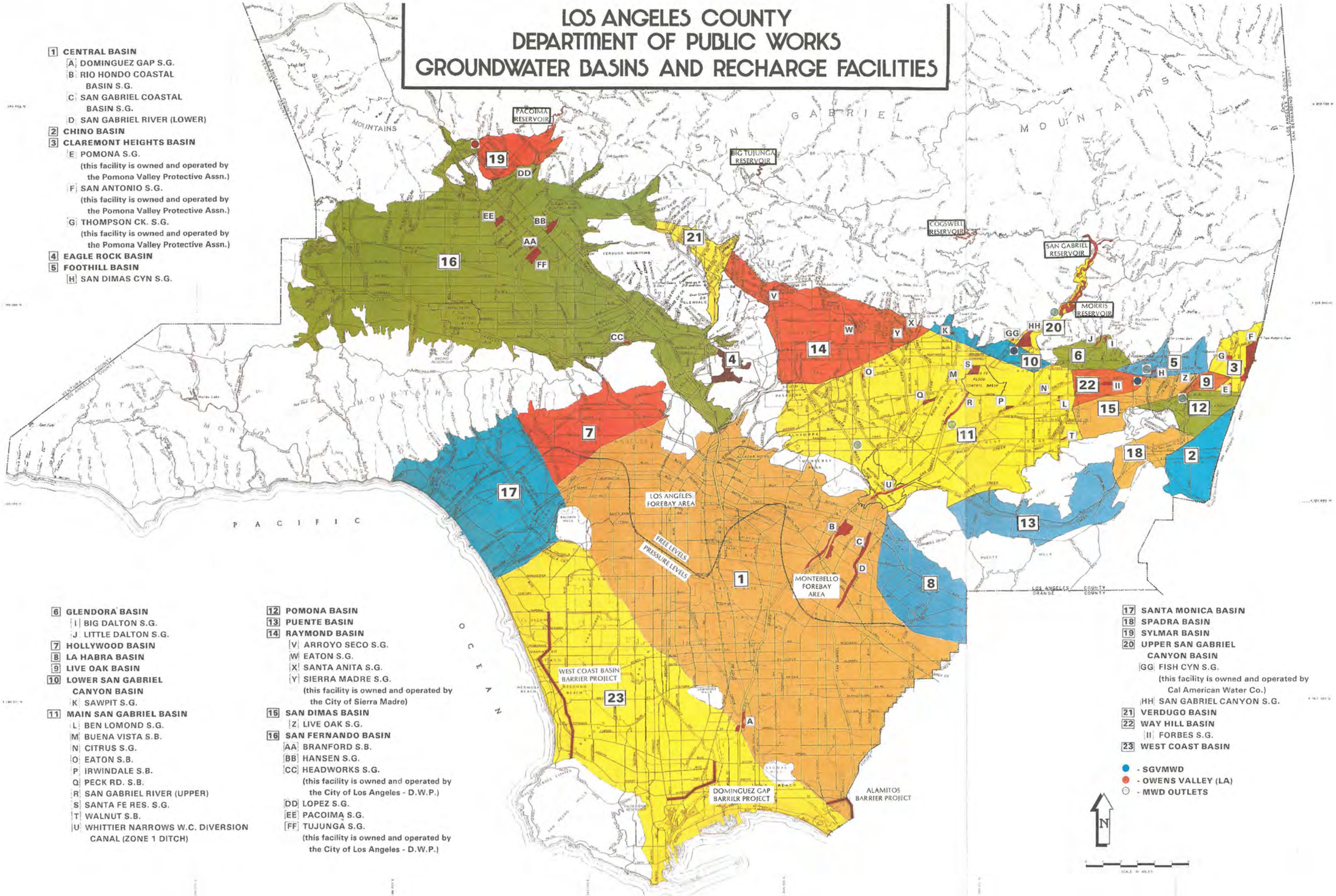
SHEET 2



SHEET 3



LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER BASINS AND RECHARGE FACILITIES



- 1 CENTRAL BASIN
  - A DOMINGUEZ GAP S.G.
  - B RIO HONDO COASTAL BASIN S.G.
  - C SAN GABRIEL COASTAL BASIN S.G.
  - D SAN GABRIEL RIVER (LOWER)
- 2 CHINO BASIN
- 3 CLAREMONT HEIGHTS BASIN
  - E POMONA S.G. (this facility is owned and operated by the Pomona Valley Protective Assn.)
  - F SAN ANTONIO S.G. (this facility is owned and operated by the Pomona Valley Protective Assn.)
  - G THOMPSON CK. S.G. (this facility is owned and operated by the Pomona Valley Protective Assn.)
- 4 EAGLE ROCK BASIN
- 5 FOOTHILL BASIN
  - H SAN DIMAS CYN S.G.

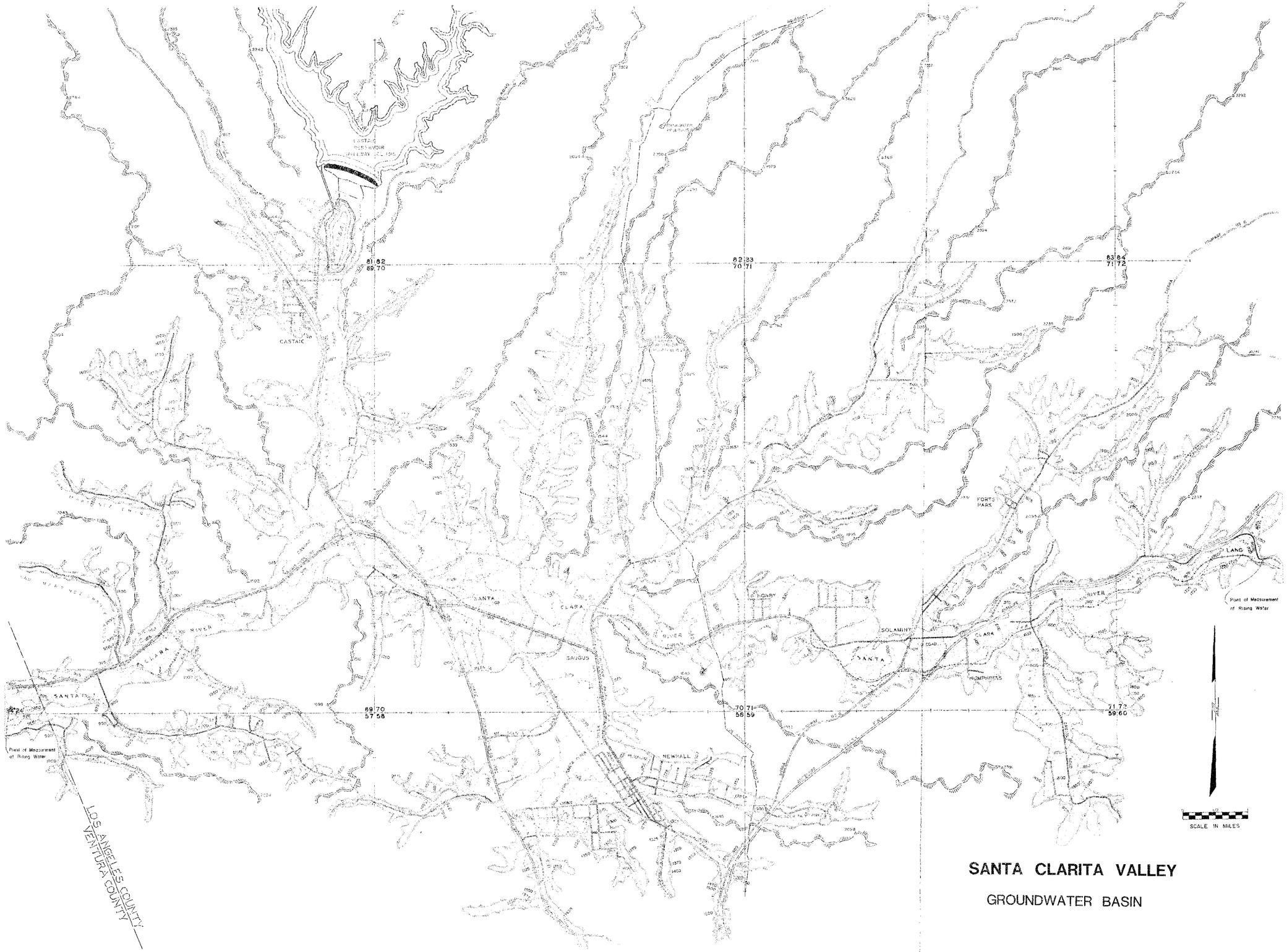
- 6 GLENDORA BASIN
  - I BIG DALTON S.G.
  - J LITTLE DALTON S.G.
- 7 HOLLYWOOD BASIN
- 8 LA HABRA BASIN
- 9 LIVE OAK BASIN
- 10 LOWER SAN GABRIEL CANYON BASIN
  - K SAWPIT S.G.
- 11 MAIN SAN GABRIEL BASIN
  - L BEN LOMOND S.G.
  - M BUENA VISTA S.B.
  - N CITRUS S.G.
  - O EATON S.B.
  - P IRWINDALE S.B.
  - Q PECK RD. S.B.
  - R SAN GABRIEL RIVER (UPPER)
  - S SANTA FE RES. S.G.
  - T WALNUT S.B.
  - U WHITTIER NARROWS W.C. DIVERSION CANAL (ZONE 1 DITCH)

- 12 POMONA BASIN
- 13 PUENTE BASIN
- 14 RAYMOND BASIN
  - V ARROYO SECO S.G.
  - W EATON S.G.
  - X SANTA ANITA S.G.
  - Y SIERRA MADRE S.G. (this facility is owned and operated by the City of Sierra Madre)
- 15 SAN DIMAS BASIN
  - Z LIVE OAK S.G.
- 16 SAN FERNANDO BASIN
  - AA BRANFORD S.B.
  - BB HANSEN S.G.
  - CC HEADWORKS S.G. (this facility is owned and operated by the City of Los Angeles - D.W.P.)
  - DD LOPEZ S.G.
  - EE PACOIMA S.G.
  - FF TUJUNGA S.G. (this facility is owned and operated by the City of Los Angeles - D.W.P.)

- 17 SANTA MONICA BASIN
- 18 SPADRA BASIN
- 19 SYLMAR BASIN
- 20 UPPER SAN GABRIEL CANYON BASIN
  - GG FISH CYN S.G. (this facility is owned and operated by Cal American Water Co.)
  - HH SAN GABRIEL CANYON S.G.
- 21 VERDUGO BASIN
- 22 WAY HILL BASIN
  - II FORBES S.G.
- 23 WEST COAST BASIN

- SGVMWD
- OWENS VALLEY (LA)
- MWD OUTLETS

PLATE G2



SANTA CLARITA VALLEY

GROUNDWATER BASIN

PLATE G3

SAN GABRIEL MOUNTAINS

SANTA SUSANA MOUNTAINS

SIMI HILLS

SANTA MONICA MOUNTAINS

VERDUGO MOUNTAINS

PACOIMA RESERVOIR

PACOIMA DAM

SUPPLY SAN FERNANDO RESER.

BIG TUJUNGA RESERVOIR

HANSEN DAM

CHATSWORTH RESERVOIR

ENCINO RESERVOIR

CITY OF LOS ANGELES BOUNDARY

CITY OF BURBANK BOUNDARY

CITY OF GLENDALE BOUNDARY

CITY OF LOS ANGELES
DEPARTMENT OF WATER AND POWER
AQUEDUCT DIVISION - HYDROLOGY SECTION

UPPER LOS ANGELES RIVER AREA

GROUND WATER CONTOURS

FALL 1977

SCALE

0 4000 8000 12000 16000
FEET

LEGEND

X-X-X-X IMPEDIMENTS TO GROUND WATER FLOW

+ + + + GROUND WATER CASCADES

?-?-?-? QUESTIONABLE IMPEDIMENT OR GROUND WATER CASCADE

PLATE G4

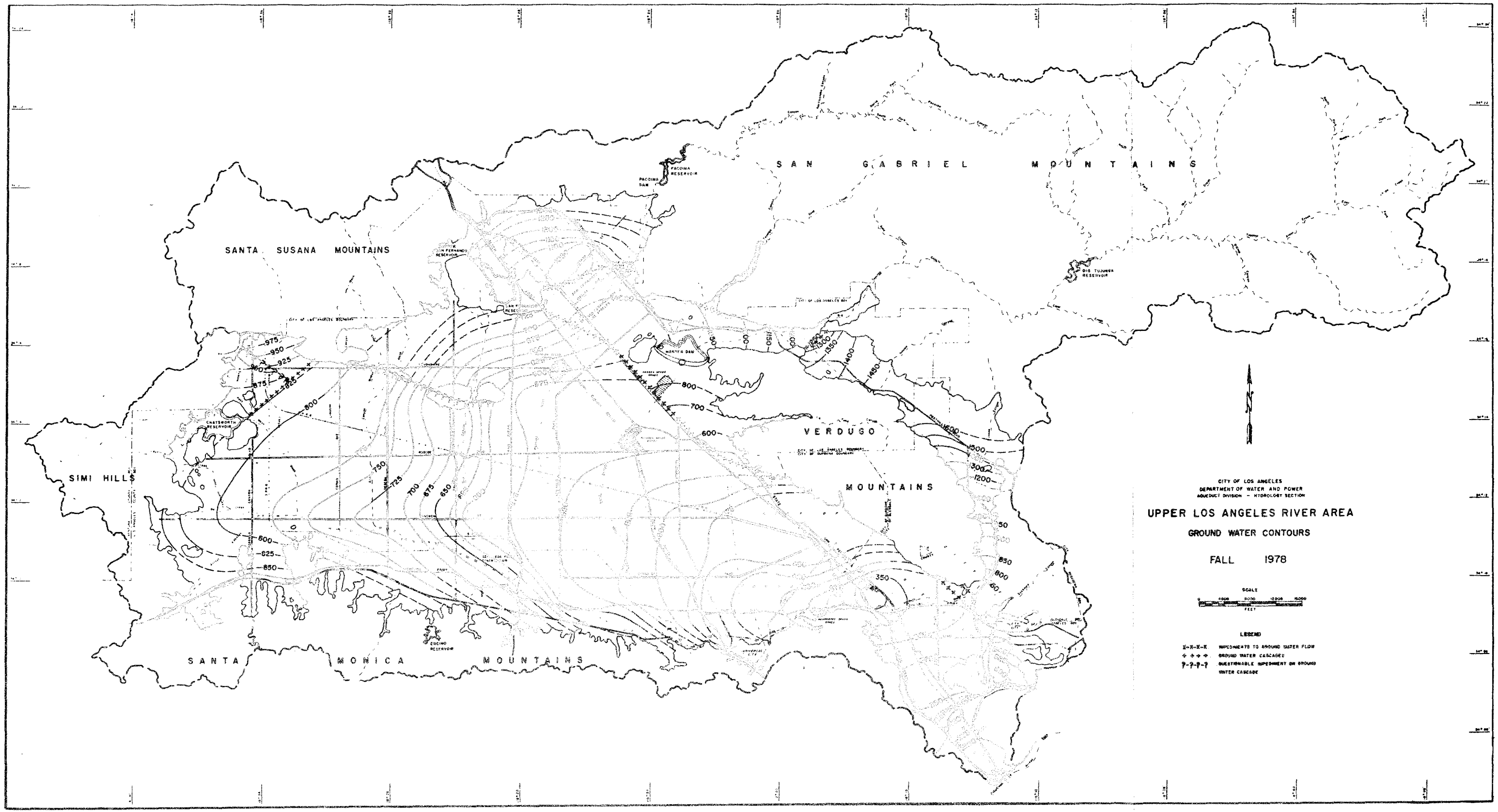

SAN GABRIEL MOUNTAINS
SANTA SUSANA MOUNTAINS
SIMI HILLS
SANTA MONICA MOUNTAINS
VERDUGO MOUNTAINS
PACOIMA RESERVOIR
PACOIMA DAM
SAN FERNANDO RESERVOIR
BIG TUJUNGA RESERVOIR
HANSEN DAM
CHATSWORTH RESERVOIR
ENCINO RESERVOIR
CITY OF LOS ANGELES
DEPARTMENT OF WATER AND POWER
AQUEDUCT DIVISION - HYDROLOGY SECTION
UPPER LOS ANGELES RIVER AREA
GROUND WATER CONTOURS
FALL 1978
SCALE
FEET
LEGEND
IMPEDIMENTS TO GROUND WATER FLOW
GROUND WATER CASCADES
QUESTIONABLE IMPEDIMENT OR GROUND WATER CASCADE

PLATE G5

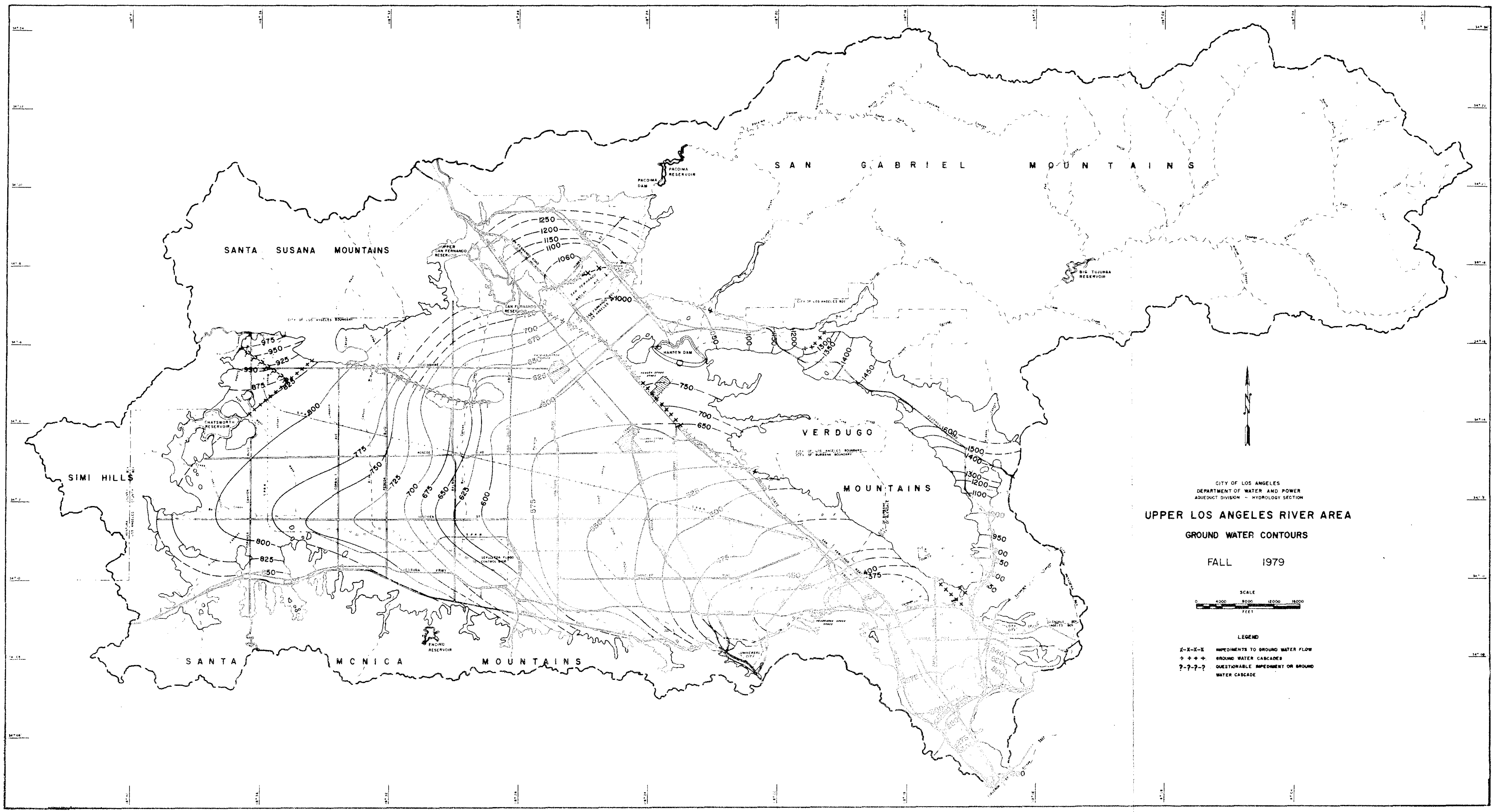

SANTA SUSANA MOUNTAINS
SAN GABRIEL MOUNTAINS
SIMI HILLS
SANTA MONICA MOUNTAINS
VERDUGO MOUNTAINS
CHATSWORTH RESERVOIR
ENCINO RESERVOIR
PACOIMA RESERVOIR
PACOIMA DAM
UPPER SAN FERNANDO RESERVOIR
SAN FERNANDO RESERVOIR
HANSEN DAM
BIG TUJUNGA RESERVOIR
SEPULVEDA FLOOD CONTROL DAM
UNIVERSAL CITY
CITY OF LOS ANGELES BOUNDARY
CITY OF LOS ANGELES BOUNDARY
CITY OF BURBANK BOUNDARY
CITY OF LOS ANGELES
DEPARTMENT OF WATER AND POWER
AQUEDUCT DIVISION - HYDROLOGY SECTION
UPPER LOS ANGELES RIVER AREA
GROUND WATER CONTOURS
FALL 1979
SCALE
0 4000 8000 12000 16000
FEET
LEGEND
X-X-X-X IMPEDIMENTS TO GROUND WATER FLOW
+ + + + GROUND WATER CASCADES
?-?-?-? QUESTIONABLE IMPEDIMENT OR GROUND WATER CASCADE

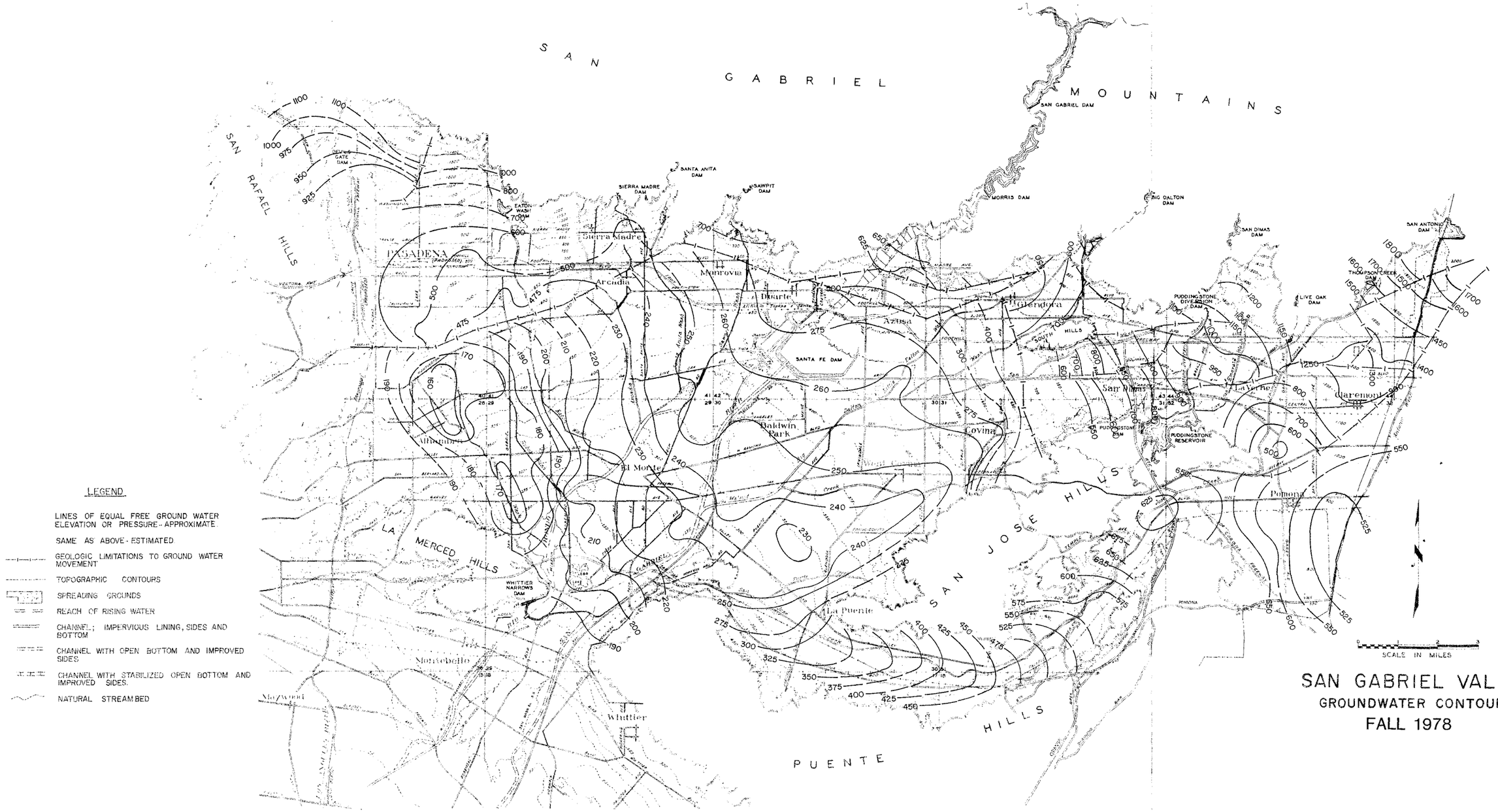
PLATE G6

LEGEND

- LINES OF EQUAL FREE GROUND WATER ELEVATION OR PRESSURE - APPROXIMATE.
- SAME AS ABOVE - ESTIMATED.
- GEOLOGIC LIMITATIONS TO GROUND WATER MOVEMENT
- TOPOGRAPHIC CONTOURS
- SPREADING GROUNDS
- REACH OF RISING WATER
- CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
- CHANNEL WITH OPEN BOTTOM AND IMPROVED SIDES
- CHANNEL WITH STABILIZED OPEN BOTTOM AND IMPROVED SIDES.
- NATURAL STREAMBED

SAN GABRIEL VALLEY
GROUNDWATER CONTOURS
FALL 1977

PLATE G7



LEGEND

LINES OF EQUAL FREE GROUND WATER ELEVATION OR PRESSURE - APPROXIMATE

SAME AS ABOVE - ESTIMATED

GEOLOGIC LIMITATIONS TO GROUND WATER MOVEMENT

TOPOGRAPHIC CONTOURS

SPREADING GROUNDS

REACH OF RISING WATER

CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM

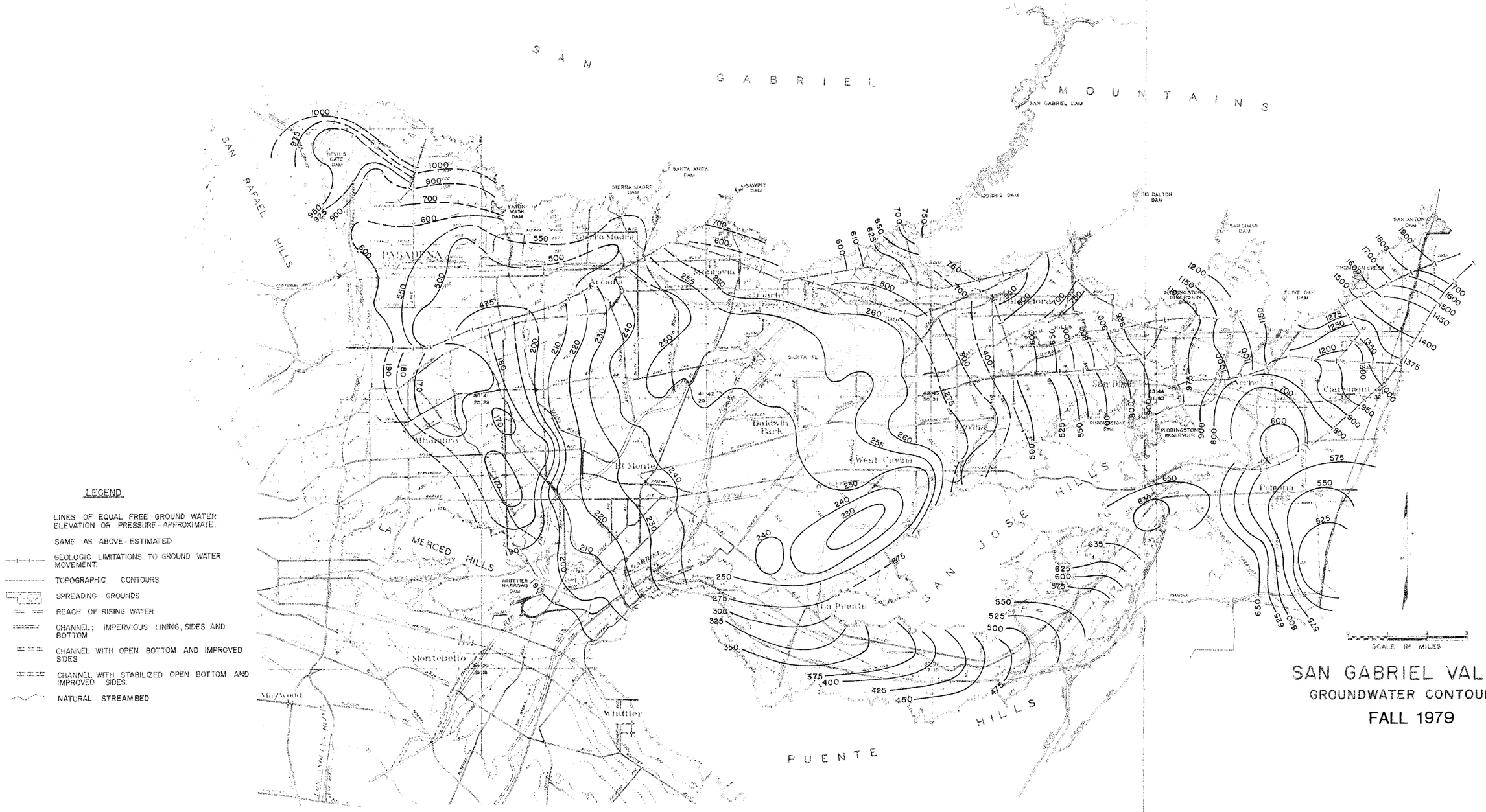
CHANNEL WITH OPEN BOTTOM AND IMPROVED SIDES

CHANNEL WITH STABILIZED OPEN BOTTOM AND IMPROVED SIDES.

NATURAL STREAMBED

SAN GABRIEL VALLEY
GROUNDWATER CONTOURS
FALL 1978

PLATE G8

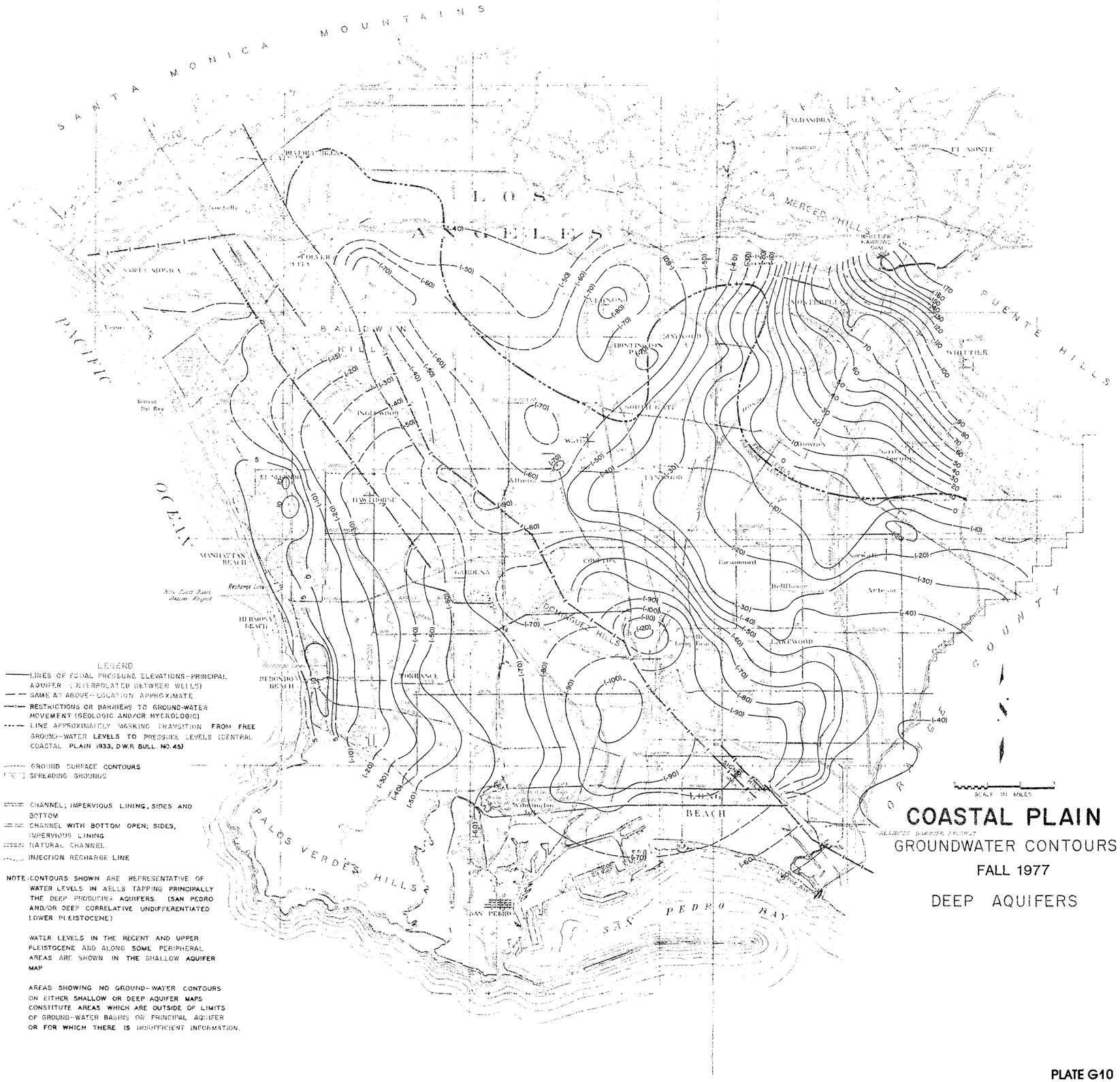


LEGEND

- LINES OF EQUAL FREE GROUND WATER ELEVATION OR PRESSURE - APPROXIMATE.
- SAME AS ABOVE - ESTIMATED
- GEOLOGIC LIMITATIONS TO GROUND WATER MOVEMENT.
- TOPOGRAPHIC CONTOURS
- SPREADING GROUNDS
- REACH OF RISING WATER
- CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
- CHANNEL WITH OPEN BOTTOM AND IMPROVED SIDES
- CHANNEL WITH STABILIZED OPEN BOTTOM AND IMPROVED SIDES.
- NATURAL STREAMBED

SAN GABRIEL VALLEY
GROUNDWATER CONTOURS
FALL 1979

PLATE G9



LEGEND

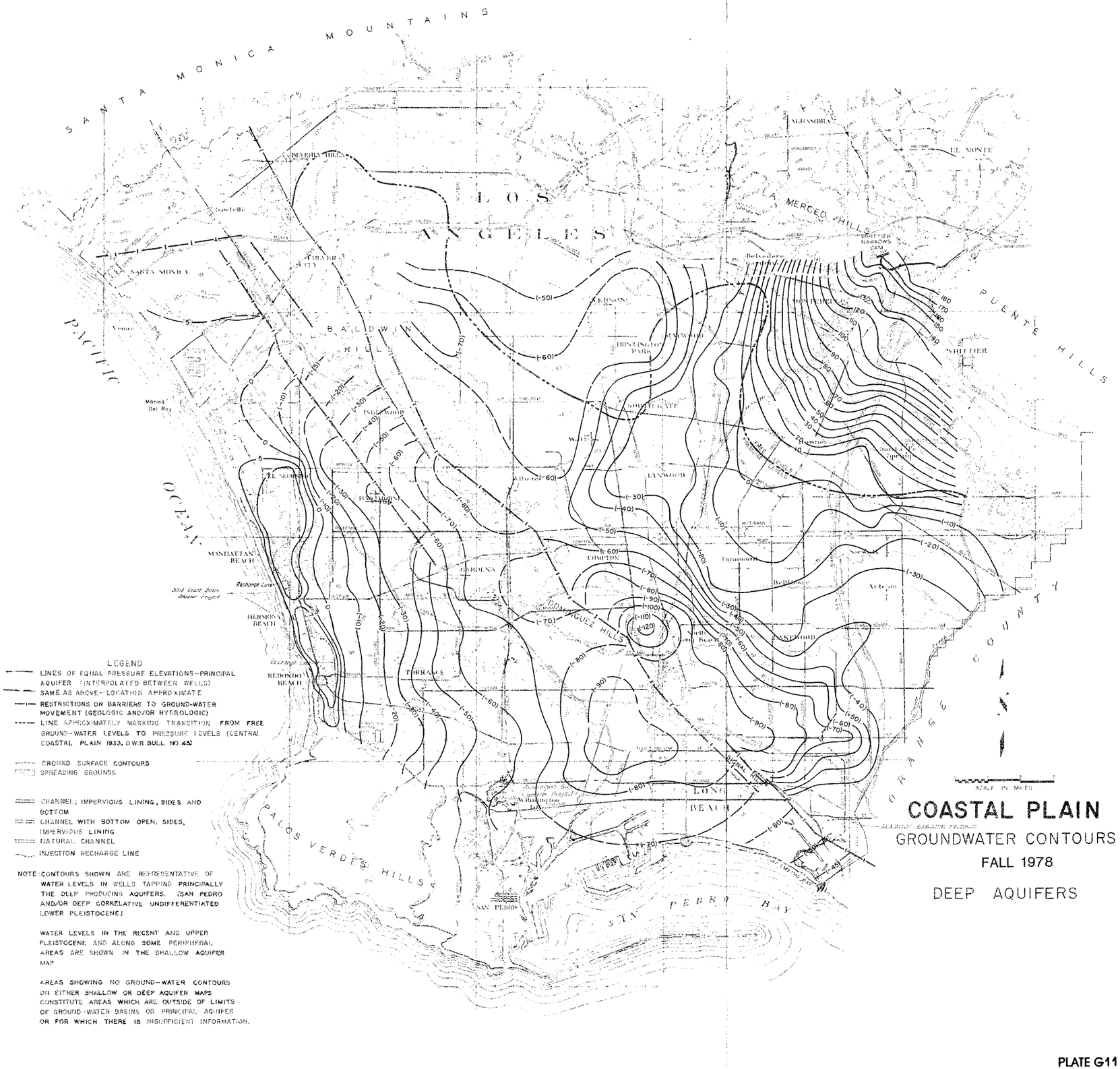
- LINES OF EQUAL PRESSURE ELEVATIONS--PRINCIPAL AQUIFER (INTERPOLATED BETWEEN WELLS)
- SAME AS ABOVE--LOCATION APPROXIMATE
- RESTRICTIONS OR BARRIERS TO GROUND-WATER MOVEMENT (GEOLOGIC AND/OR HYDROLOGIC)
- LINE APPROXIMATELY MARKING TRANSITION FROM FREE GROUND-WATER LEVELS TO PRESSURE LEVELS (CENTRAL COASTAL PLAIN 1933, D.W.R. BULL. NO. 45)
- GROUND SURFACE CONTOURS
- SPREADING GROUNDS
- CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
- CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
- NATURAL CHANNEL
- INJECTION RECHARGE LINE

NOTE: CONTOURS SHOWN ARE REPRESENTATIVE OF WATER LEVELS IN WELLS TAPPING PRINCIPALLY THE DEEP PRODUCING AQUIFERS. (SAN PEDRO AND/OR DEEP CORRELATIVE UNDIFFERENTIATED LOWER PLEISTOCENE)

WATER LEVELS IN THE RECENT AND UPPER PLEISTOCENE AND ALONG SOME PERIPHERAL AREAS ARE SHOWN IN THE SHALLOW AQUIFER MAP

AREAS SHOWING NO GROUND-WATER CONTOURS ON EITHER SHALLOW OR DEEP AQUIFER MAPS CONSTITUTE AREAS WHICH ARE OUTSIDE OF LIMITS OF GROUND-WATER BASINS OR PRINCIPAL AQUIFER OR FOR WHICH THERE IS INSUFFICIENT INFORMATION.

PLATE G10



LEGEND

- LINES OF EQUAL PRESSURE ELEVATIONS—PRINCIPAL AQUIFER (INTERPOLATED BETWEEN WELLS)
- SAME AS ABOVE—LOCATION APPROXIMATE
- RESTRICTIONS OR BARRIERS TO GROUND-WATER MOVEMENT (GEOLOGIC AND/OR HYDROLOGIC)
- LINE APPROXIMATELY MARKING TRANSITION FROM FREE GROUND-WATER LEVELS TO PRESSURE LEVELS (CENTRAL COASTAL PLAIN 1933, D.W.R. BULL. NO. 45)
- GROUND SURFACE CONTOURS
- SPREADING GROUNDS
- CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
- CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
- NATURAL CHANNEL
- INJECTION RECHARGE LINE

NOTE: CONTOURS SHOWN ARE REPRESENTATIVE OF WATER LEVELS IN WELLS TAPPING PRINCIPALLY THE DEEP PRODUCING AQUIFERS. (SAN PEDRO AND/OR DEEP CORRELATIVE UNDIFFERENTIATED LOWER PLEISTOCENE)

WATER LEVELS IN THE RECENT AND UPPER PLEISTOCENE, AND ALONG SOME PERIPHERAL AREAS ARE SHOWN IN THE SHALLOW AQUIFER MAP

AREAS SHOWING NO GROUND-WATER CONTOURS ON EITHER SHALLOW OR DEEP AQUIFER MAPS CONSTITUTE AREAS WHICH ARE OUTSIDE OF LIMITS OF GROUND-WATER BASINS OR PRINCIPAL AQUIFER OR FOR WHICH THERE IS INSUFFICIENT INFORMATION.

COASTAL PLAIN

GROUNDWATER CONTOURS

FALL 1978

DEEP AQUIFERS

PLATE G11

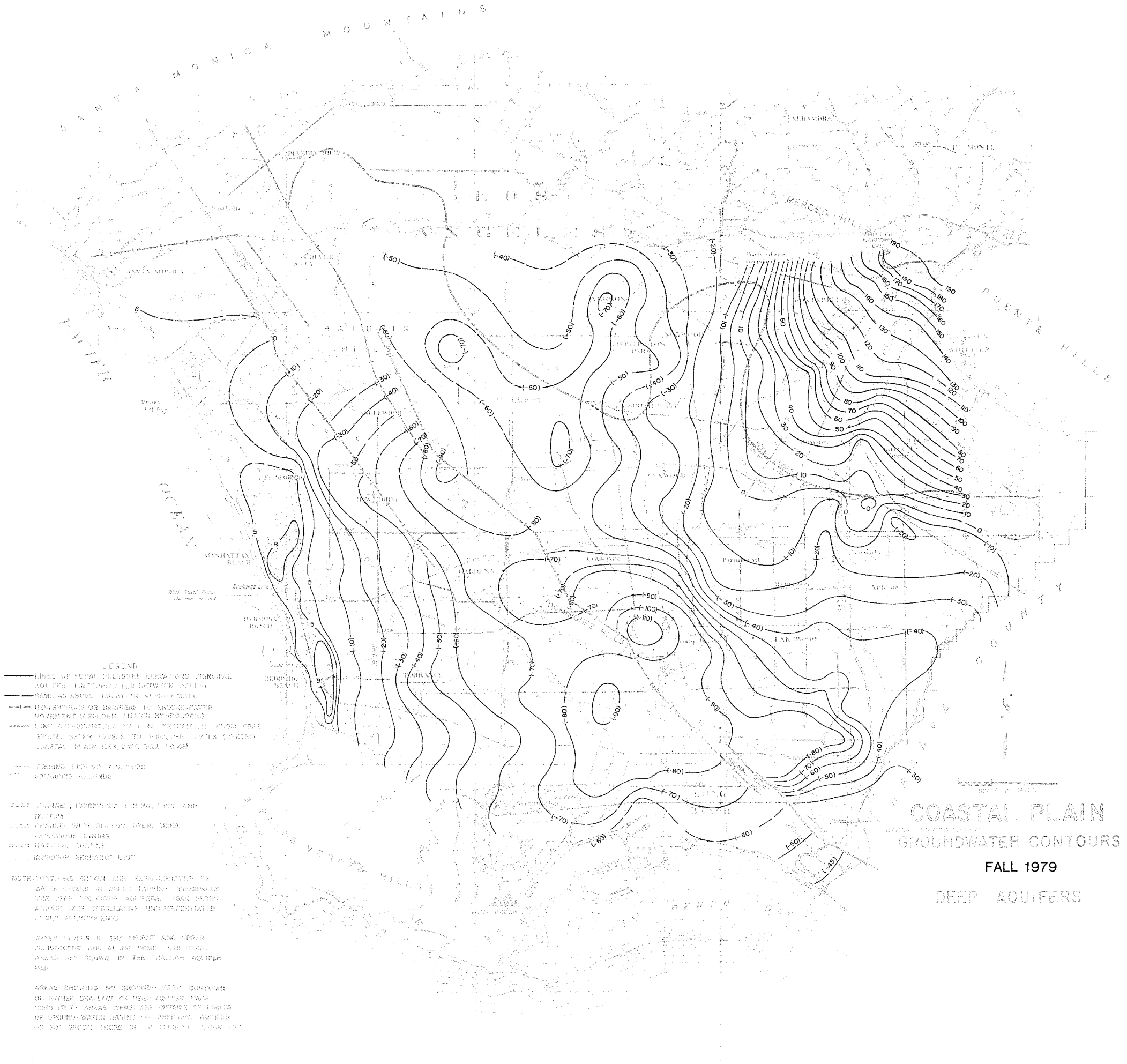

SANTA MONICA MOUNTAINS
PUENTE HILLS
LOS ANGELES
BALDWIN HILLS
LA MIRADA
EL MONTE
SANTA MONICA
BEVERLY HILLS
INGLEWOOD
COMPTON
LAKEWOOD
LEGEND
LINES OF EQUAL PRESSURE ELEVATIONS (CONTOUR) INTERVAL CALCULATED BETWEEN WELLS)
SAME AS ABOVE (LOCATION APPROXIMATE)
RESTRICTION OR BARRIER TO GROUND-WATER MOVEMENT (GEOLOGIC AND/OR HYDROLOGIC)
LINE APPROXIMATELY PARALLEL TO EQUALITY FROM WHICH GROUND WATER LEVELS TO DECLINE UPON SEAWARD MOVEMENT OF COASTAL PLAIN (OFF, OVER HILL NEAR)
GROUND SURFACE CONTOURS
DRAINAGE DIVIDES
CHANNEL, INDICATES LINING, FLOW AND BOTTOM
CHANNEL WITH CONCRETE SIDES, BOTTOM, INDICATES LINING
NATURAL CHANNEL
WATERSHED DISCHARGE LINE
NOTE: CONTOURS SHOWN ARE REPRESENTATIVE OF WATER LEVELS IN WELLS TAPPING PRINCIPALLY THE DEEP WATER-BEARING FORMATIONS. DATA FROM AVAILABLE DEEP OBSERVATION AND PRODUCTION WELLS OVER A SHORT PERIOD
WATER LEVELS IN THE SHALLOW AND UPPER ALLUVIUM AND ALONG SOME STREAMS AREAS ARE SHOWN IN THE SHALLOW AQUIFER MAP
AREAS SHOWING NO GROUND-WATER CONTOURS ON EITHER SHALLOW OR DEEP AQUIFER MAPS CONSTITUTE AREAS WHICH ARE OUTSIDE OF LIMITS OF GROUND WATER HAVING OR POTENTIAL AQUIFER OR FOR WHICH THERE IS INSUFFICIENT INFORMATION
COASTAL PLAIN
GROUNDWATER CONTOURS
FALL 1979
DEEP AQUIFERS

PLATE G12

PLATE G13

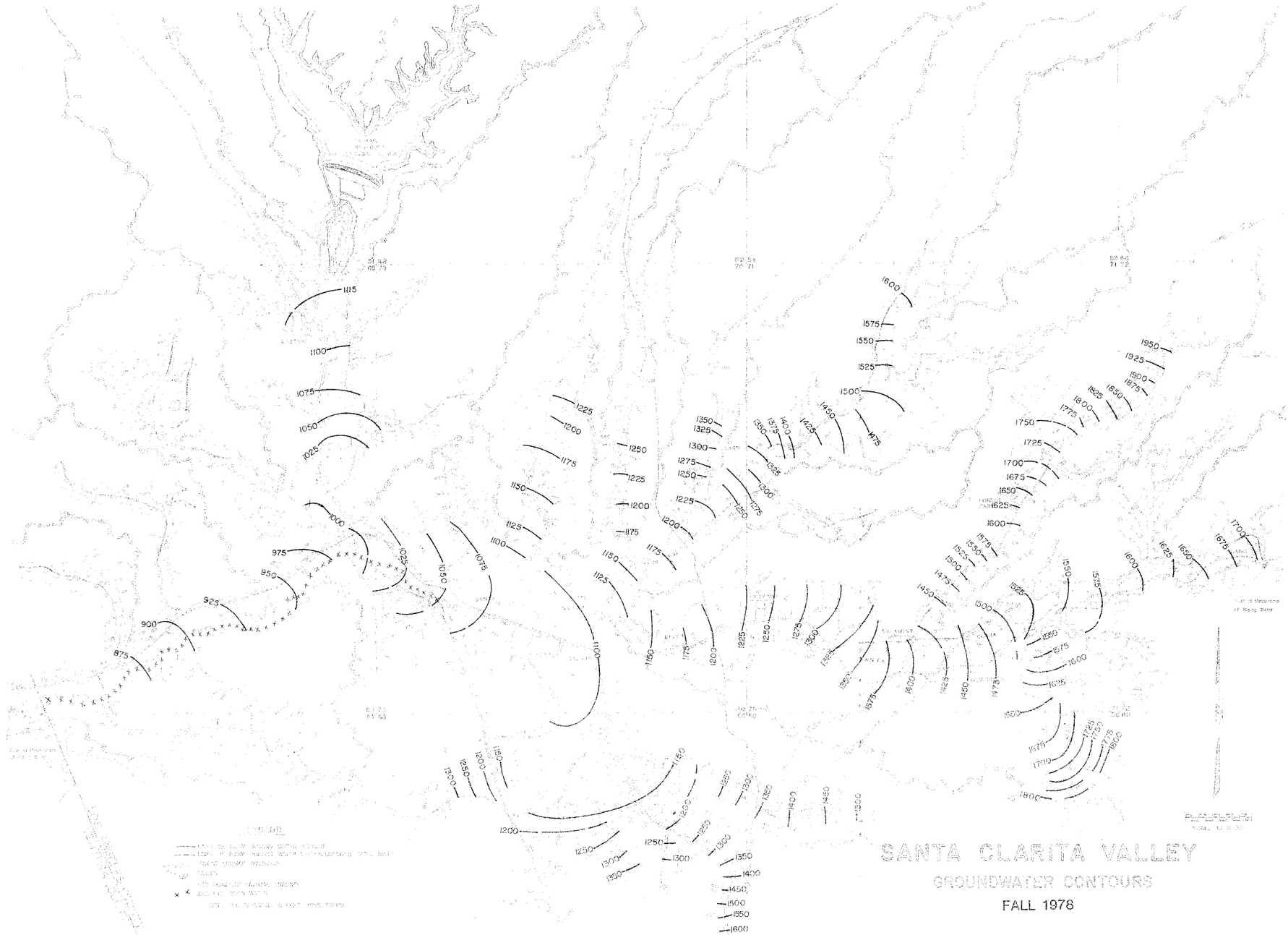
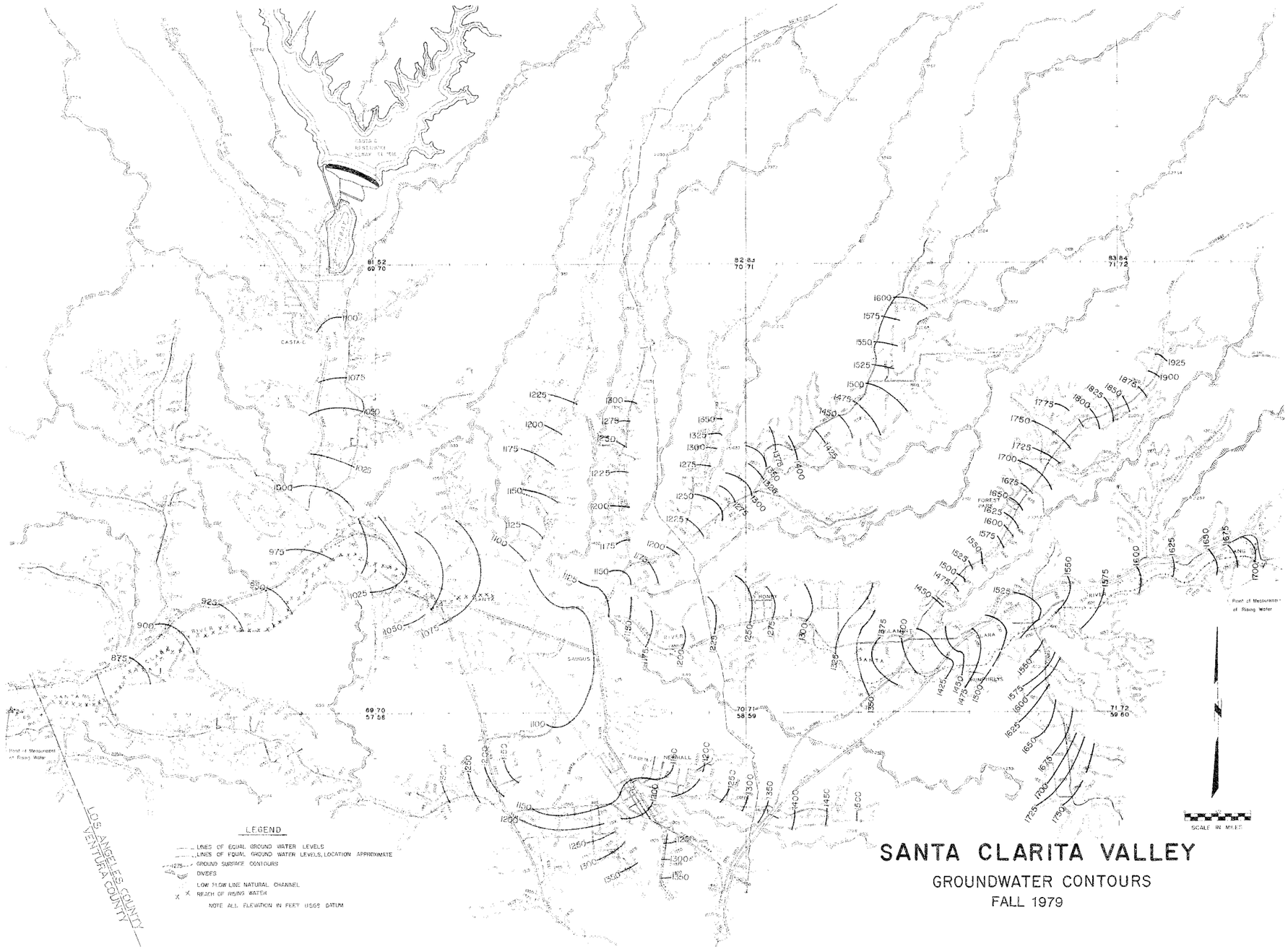


PLATE G14

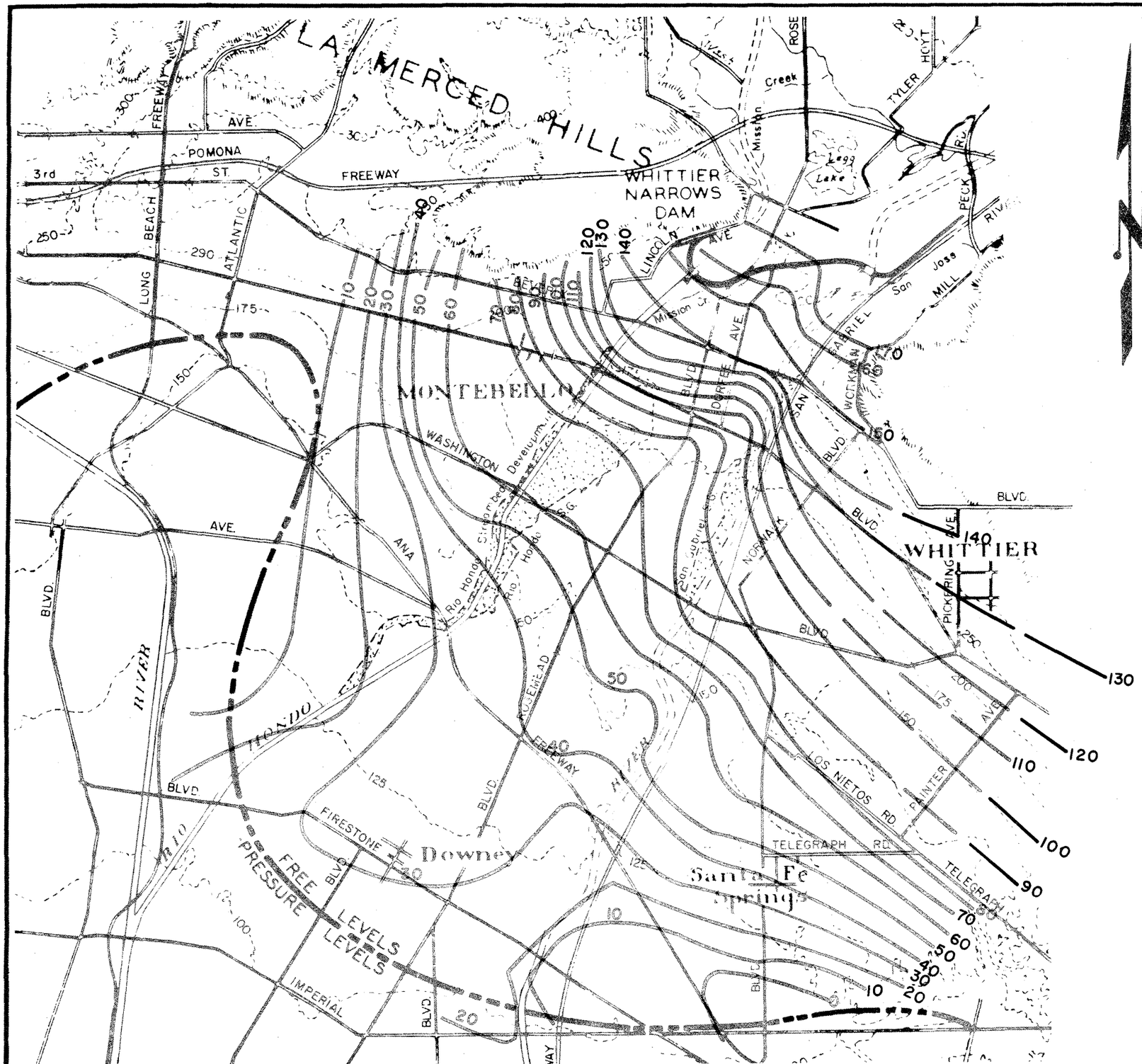


SANTA CLARITA VALLEY

GROUNDWATER CONTOURS

FALL 1979

PLATE G15



LEGEND

- LINES OF FREE GROUND WATER ELEVATION OR PRESSURE (APPROXIMATE).
- SAME AS ABOVE ESTIMATED.
- GEOLOGIC LIMITATION TO GROUND WATER MOVEMENT.
- TRANSITION LINES FROM FREE TO PRESSURE GROUND WATER LEVEL (APPROXIMATE) (D.W.R. BULLETIN NO. 45).
- TOPOGRAPHIC CONTOURS.
- SPREADING GROUNDS.
- REACH OF RISING WATER.
- CHANNEL; IMPERVIOUS LINING SIDES AND BOTTOM.
- CHANNEL WITH OPEN BOTTOM AND IMPROVED SIDES.
- NATURAL STREAMBED.

0 1 2 3

SCALE IN MILES

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

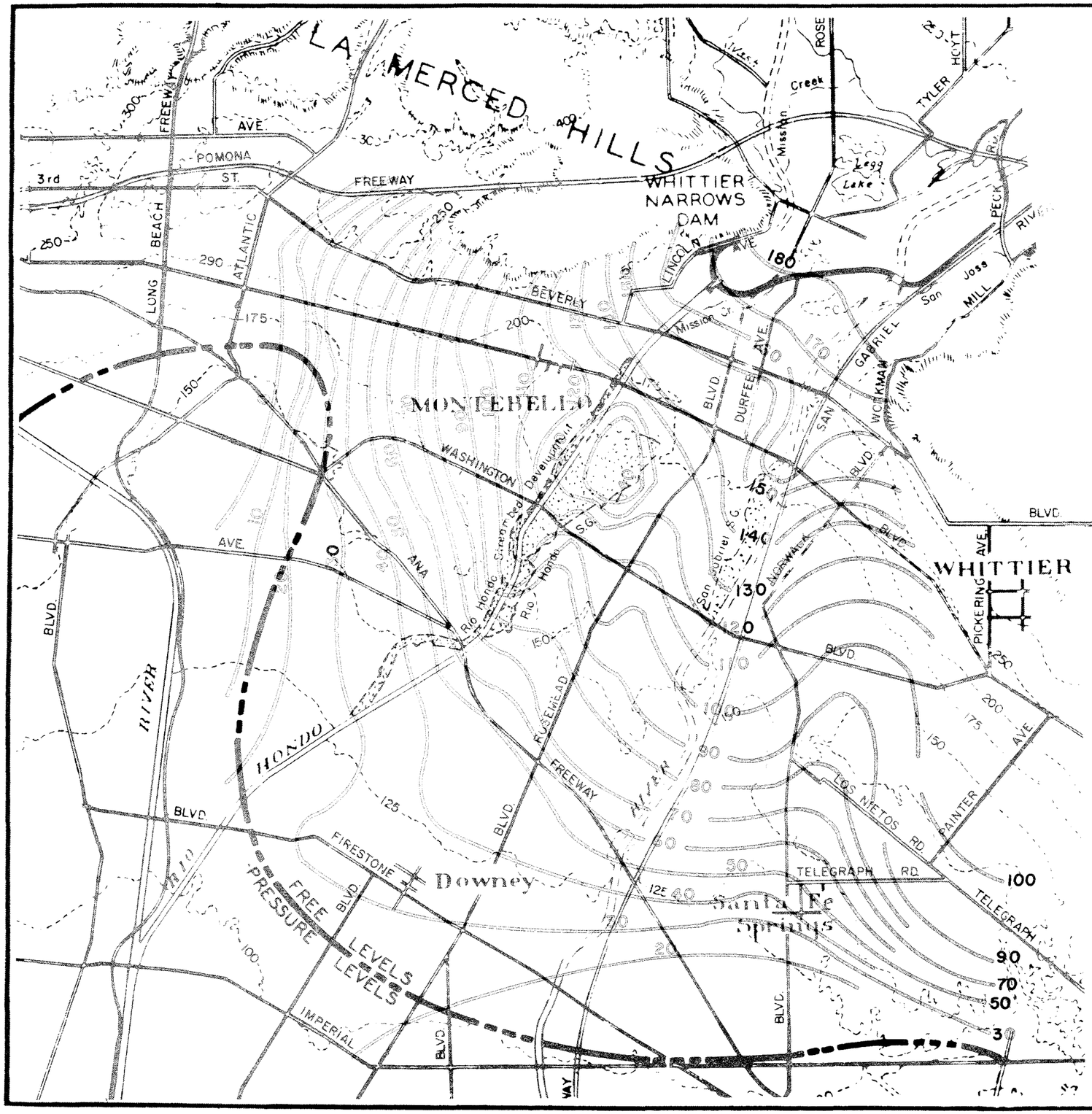
MONTEBELLO FOREBAY

GROUND WATER CONTOURS SHALLOW AQUIFER

FALL 1977

SCALE	PREPARED	DATE
as shown		

PLATE G16



LEGEND

- LINES OF FREE GROUND WATER ELEVATION OR PRESSURE (APPROXIMATE).
- SAME AS ABOVE ESTIMATED.
- GEOLOGIC LIMITATION TO GROUND WATER MOVEMENT.
- TRANSITION LINES FROM FREE TO PRESSURE GROUND WATER LEVEL (APPROXIMATE) (D.W.R. BULLETIN NO. 45).
- TOPOGRAPHIC CONTOURS.
- SPREADING GROUNDS.
- REACH OF RISING WATER.
- CHANNEL; IMPERVIOUS LINING SIDES AND BOTTOM.
- CHANNEL WITH OPEN BOTTOM AND IMPROVED SIDES.
- NATURAL STREAMBED.

0 1 2 3

SCALE IN MILES

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

MONTEBELLO FOREBAY

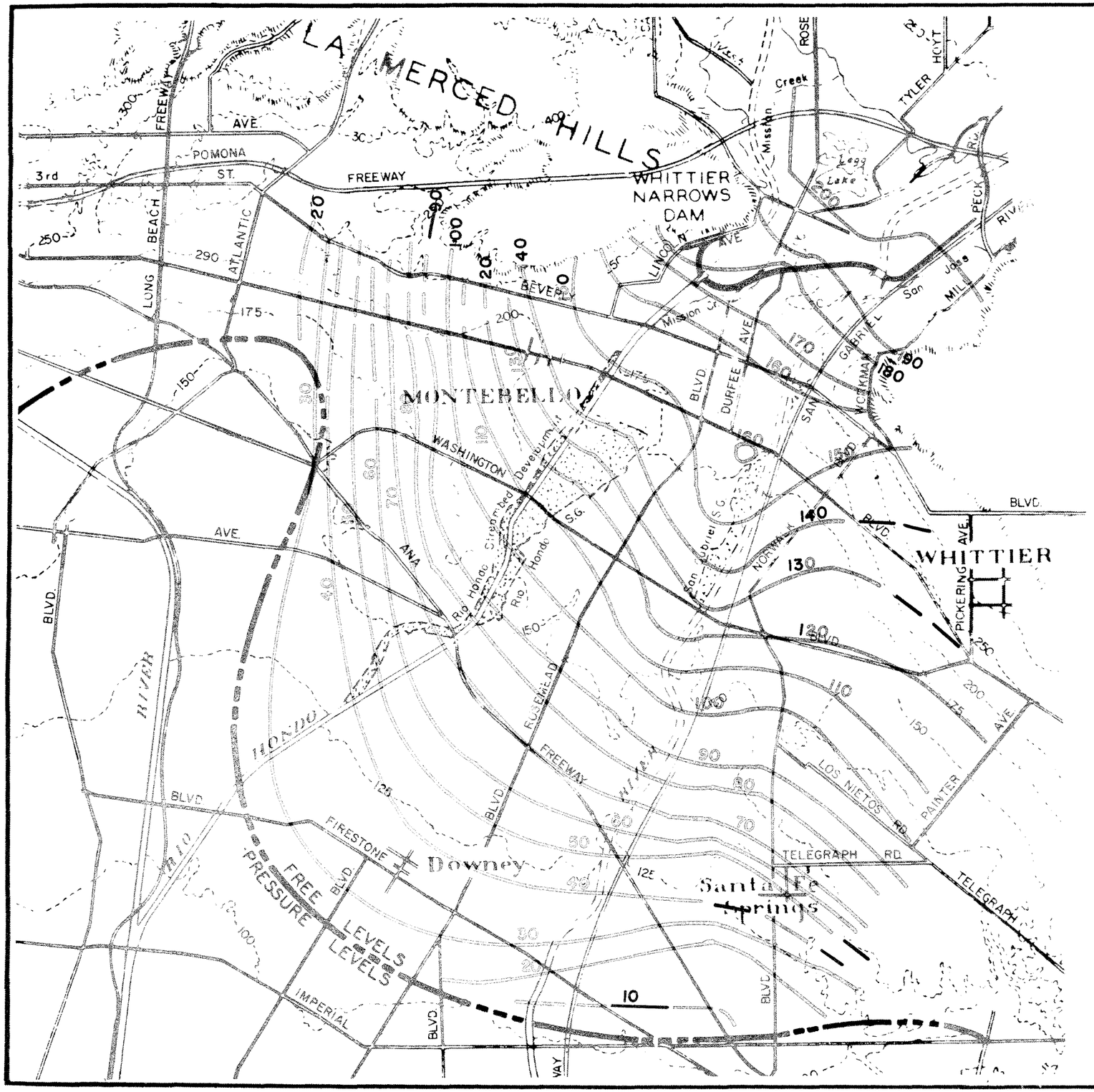
GROUND WATER CONTOURS

SHALLOW AQUIFER

FALL 1978

SCALE	PREPARED	DATE
as shown		

PLATE G17



LEGEND

- LINES OF FREE GROUND WATER ELEVATION OR PRESSURE (APPROXIMATE).
- SAME AS ABOVE ESTIMATED.
- GEOLOGIC LIMITATION TO GROUND WATER MOVEMENT.
- TRANSITION LINES FROM FREE TO PRESSURE GROUND WATER LEVEL (APPROXIMATE) (D.W.R. BULLETIN NO. 45).
- TOPOGRAPHIC CONTOURS.
- SPREADING GROUNDS.
- REACH OF RISING WATER.
- CHANNEL; IMPERVIOUS LINING SIDES AND BOTTOM.
- CHANNEL WITH OPEN BOTTOM AND IMPROVED SIDES.
- NATURAL STREAMBED.

0 1 2 3

SCALE IN MILES

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

MONTEBELLO FOREBAY

GROUND WATER CONTOURS

SHALLOW AQUIFER

FALL 1979

SCALE	PREPARED	DATE
as shown		

PLATE G18