LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT

HYDROLOGIC REPORT

1974 - 75

PREPARED IN THE

HYDRAULIC AND WATER CONSERVATION DIVISIONS

OCTOBER 1,1976

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INTRODUCTION

This report contains hydrologic data within Los Angeles County for the period beginning October 1, 1974, and ending September 30, 1975. Also included are summaries of data at selected locations for all years of record. The data are presented in six sections.

1. Precipitation - summarizes precipitation data for over 450 locations and discusses weather modification activities within Los Angeles County.

2. Evaporation - lists all locations for which evaporation data is on file and provides monthly evaporation amounts at 24 locations for all years of record.

3. Runoff - presents daily and seasonal runoff amounts for 60 streamflow stations and four 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.

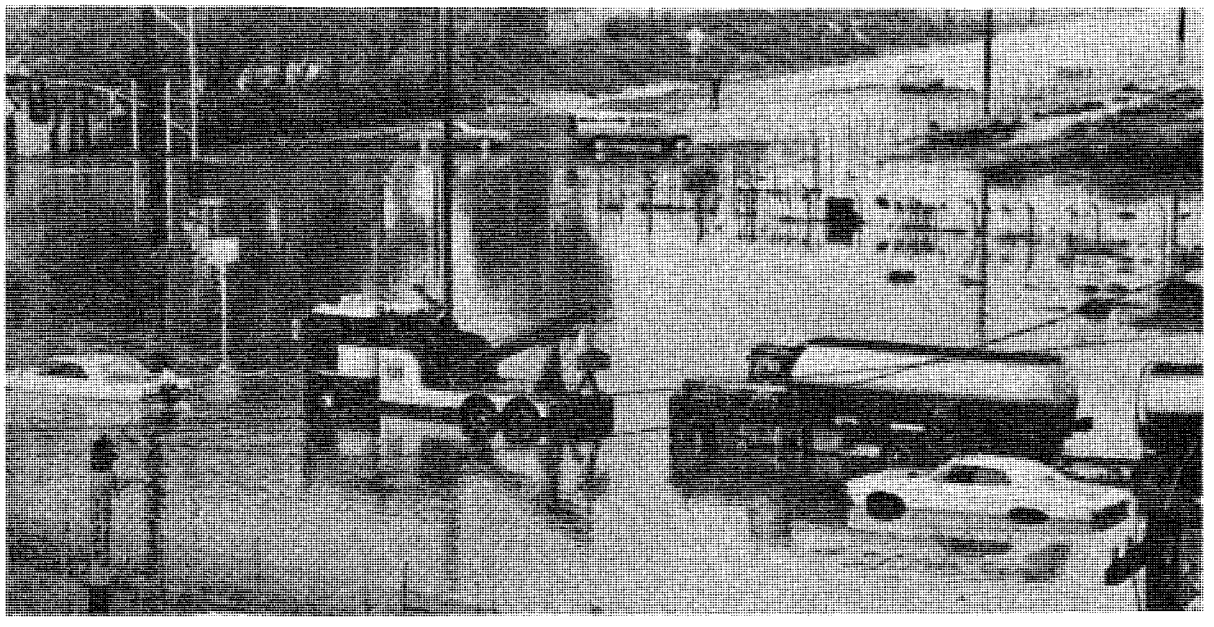
5. Erosion Control - presents debris histories for debris basins and maps of major watershed burns.

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 maps for the five major groundwater basins.

Where practical, all data which would satisfy immediate needs and serve as a 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 Several tables appear listing locations where unpublished data are available.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:

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



Intersection of Sepulveda Boulevard and South Figueroa Street Following Storm of December 3 and 4, 1974 - Los Angeles Times Photo

SUMMARY OF THE 1974-75 SEASON

RAINFALL

Average rainfall over Los Angeles County was 13.24 inches (85 per cent of normal). Rainfall amounts vary considerably throughout the County, ranging from 10 inches on the Coastal Plain, to 38 inches in the mountains and then dropping sharply to 3.5 inches in the desert. For the past season, these amounts were 12.72 inches (92 per cent normal), 23.69 inches (84 per cent normal), and 4.96 inches (63 per cent normal). Very heavy intensity rainfall was experienced in several areas of the south coastal plain of Los Angeles County during the storm of December 3 and 4. Some stations recorded intensities of 50-year recurrence intervals for various durations.

Snowfall was recorded on several occasions during this season with totals of 96 and 51 inches being recorded at Big Pines Recreation Park and Crystal Lake, respectively.

The records indicate 45 per cent of the seasons total occurred during March and April, and April snowfall accounted for 30 per cent of the season total.

Los Angeles Times Photo

RUNOFF

The intense rainfall from the storm of December 3 and 4 resulted in peak flows of record at eight stream gaging stations. Most flooding was limited to the south and central portions of the County, with the more serious problems in the South Carson area. The vicinity of the intersection of Sepulveda Boulevard and Figueroa Street was as much as five feet under water. The average seasonal inflow to the Districts reservoirs was 42 per cent, while runoff for the urban drainage areas was 72 per cent of the prior 12 year average.

EVAPORATION

Evaporation for seven selected locations was 104 per cent of average.

FIRE

The largest fire occurred in the Pacoima Wash area and burned approximately 7,000 acres.

EROSION

The average annual erosion rate into the District's debris basin was 2,000 cubic yards per square mile. The prior historical average was 5,000 cubic yards per square mile.

CONSERVATION

During the 1974-75 season, over 134,000 acre-feet of local water, 98,000 acre-feet of imported water, and 22,000 acre-feet or reclaimed water were used to replenish the ground-water basins from spreading facilities, injection facilities, reservoirs, and unlined channels.

SEAWATER BARRIER PROJECTS

The District operates three barrier projects to protect the ground water in the West Coast and Central Basins against sea-water 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 period, 26,434 acre-feet of water were injected at the West Coast Basin Barrier Project, 5,161 acre-feet at the Dominguez Gap Barrier Project and 5,159 acre-feet at the Alamitos Barrier Project.

ABOUT LOS ANGELES COUNTY

TOPOGRAPHY

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

The terrain within the District can be classified in broad terms as being 39 per cent mountainous, 17 per cent coastal plain; and 44 per cent hills, 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. Steep-walled canyons with side slopes of 70 per cent 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.

Other moutainous 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 deposition 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.

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 popu-

lated 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.

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 46.6 degrees above zero. The average daily maximum temperature for July is 83.3 degrees. At Mount Wilson (elevation 5,850 feet), the 25-year average daily minimum temperature for January is 34.5 degrees above zero and the average daily maximum temperature for July is 80.2 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 deep-rooted 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 lowered infiltration rates. Large amounts and sizes of debris have been transported by flood flows from a denuded watershed. Debris production from a major storm has amounted to as much as 120,000 cubic yards per square mile of watershed. Boulders up to eight feet in diameter have been deposited in a valley area a considerable distance from their source. Debris quantities equal in volume to storm runoff, or in other words 100 per cent bulking of runoff from a major storm, have been recorded. Where debris-laden flow traverses an alluvial fill unconfined by flood control works, flood discharges follow an unpredictable path across the debris cone formed at the canyon mouth.

Hill and Valley Areas

In hill areas, runoff concentrates rapidly from the generally steep slopes; however,

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

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

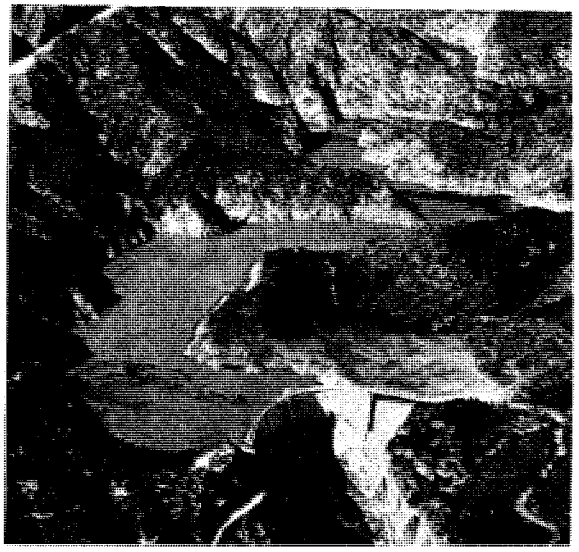
THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

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.



Big Tujunga Dam

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 praticable. With minor modifications, it is still the plan today.

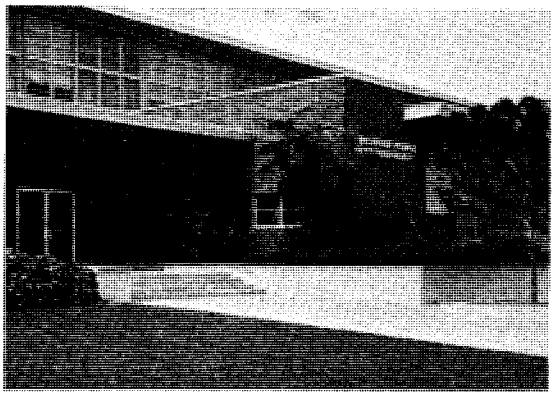
Federal legislation in 1936 brought the United States Army Corps of Engineers into the local flood control picture. Since that time, the two agencies have been jointly prosecuting construction of the Comprehensive Plan which is now nearing completion. The District also cooperates with the United States 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 spreading grounds adjacent to river channels and their tributaries permits water to be percolated into underground reservoirs for later pumping by consumers. These spreading grounds are composed of porous sands and gravels and look somewhat like rice paddies.

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

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



District Headquarters

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

This section contains basic precipitation data collected by the District for the water year begnning October 1, 1974, and ending September 30, 1975. 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 are based on the standard gage readings. 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 Saving Time was observed for the October 1, 1974, to October 27, 1974, and February 23, 1975, to September 30, 1975.

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 ground water supply.

The District uses four ground-based seeding devices situated at various locations within the County. Both intermittent and continuous seeding is accomplished by vaporizing a silver iodide-acetone solution and injecting it into a propane flame. The flame both crystalizes the silver iodide and provides the convection required to lift the crystals into the cloud masses where they act as nuclei. The intermittent seeding is a refinement of this technique. Rather than injecting small amounts of silver iodide into the atmosphere continuously throughout a storm, solid state flare-like devices are burned for brief 8-minute periods, emitting larger amounts of silver iodide into the concentrated rain bands which pass over the target area periodically.

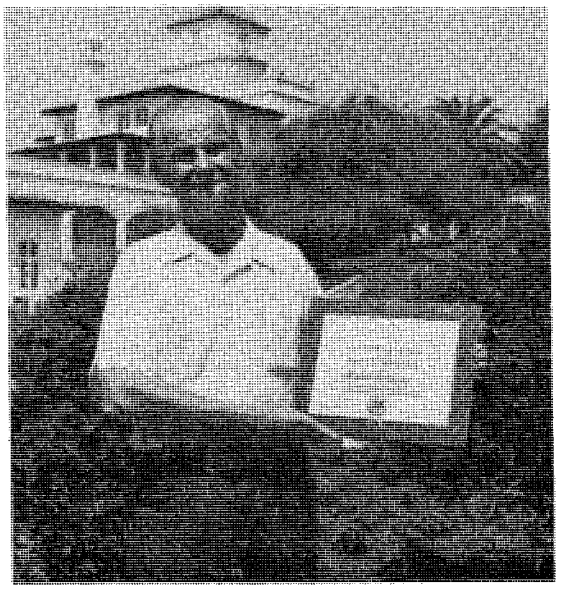
Throughout the program's history it has generally been evident that the artificial nucleation devices have significantly increased rainfall in the target areas and have contributed to the District's water conservation program. Analysis of data shows that the increase in rainfall over the target areas for the history of the program has averaged approximately 10 to 15 per cent.

SNOW SURVEYS

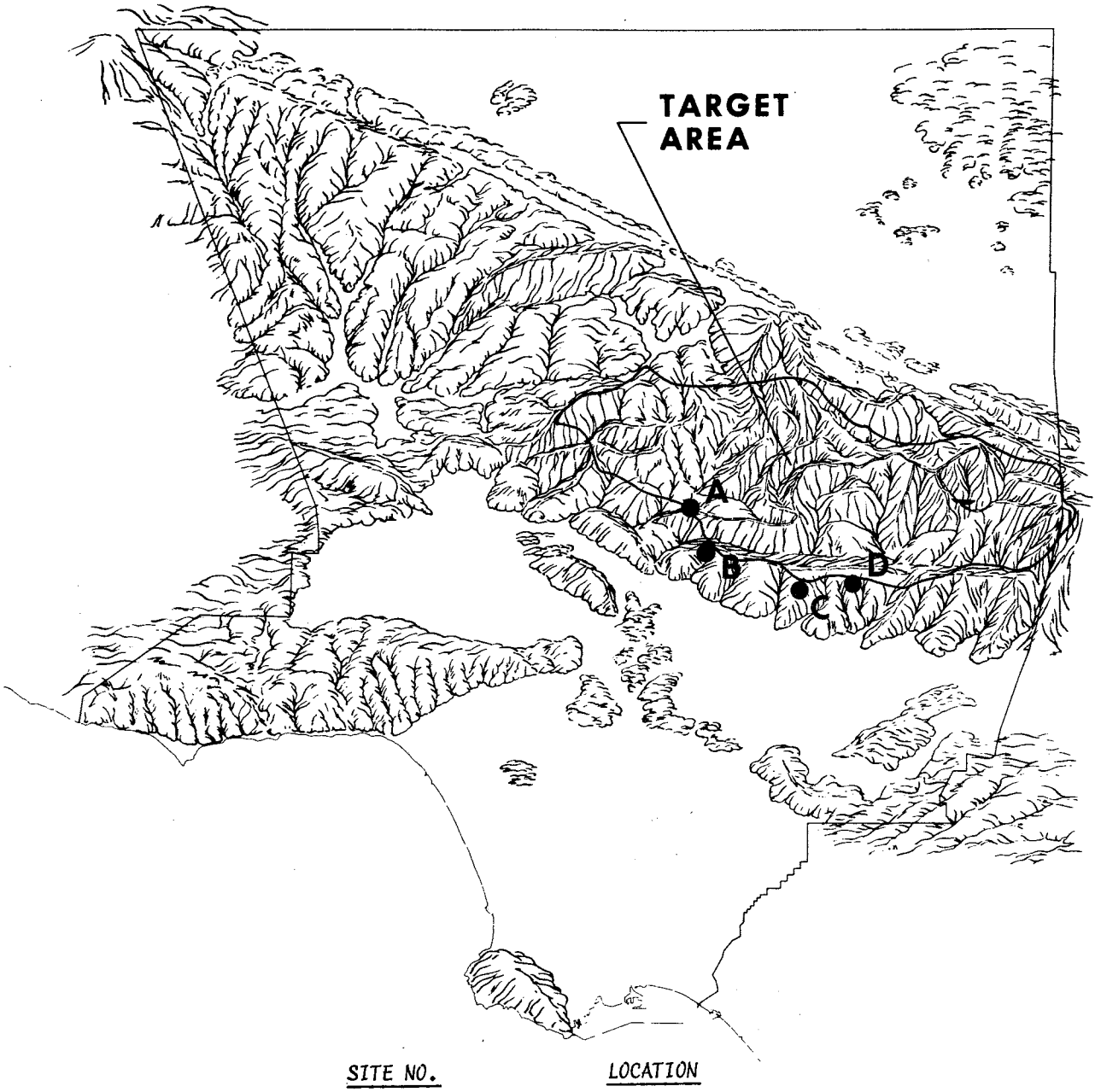
District personnel measure snow depths and densities at 12 locations periodically within the San Gabriel Mountains. The snow pack data presented herein are based on annual snow surveys conducted on or about April 1 of each year. The snow courses range in elevation from 5,800 feet to 8,500 feet and lie within the San Antonio, San Gabriel, Little Rock, and Big Rock drainage areas.

COOPERATION

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



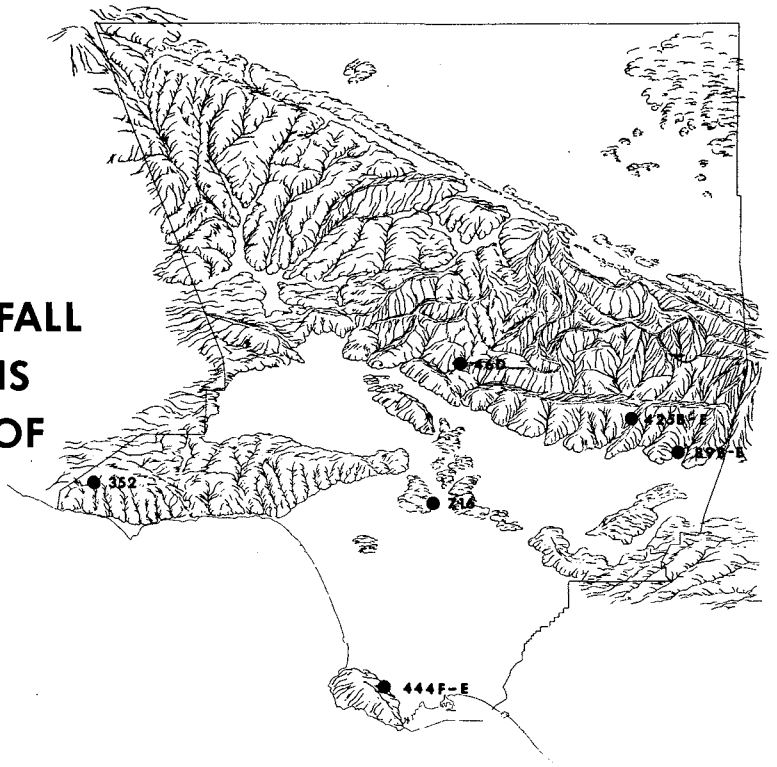
Mr. Martin Bullinger Receiving a District Award for 35 Years of Continuous Volunteer Service as a Rainfall Observer at Station 285C, Mt. Saint Mary's College

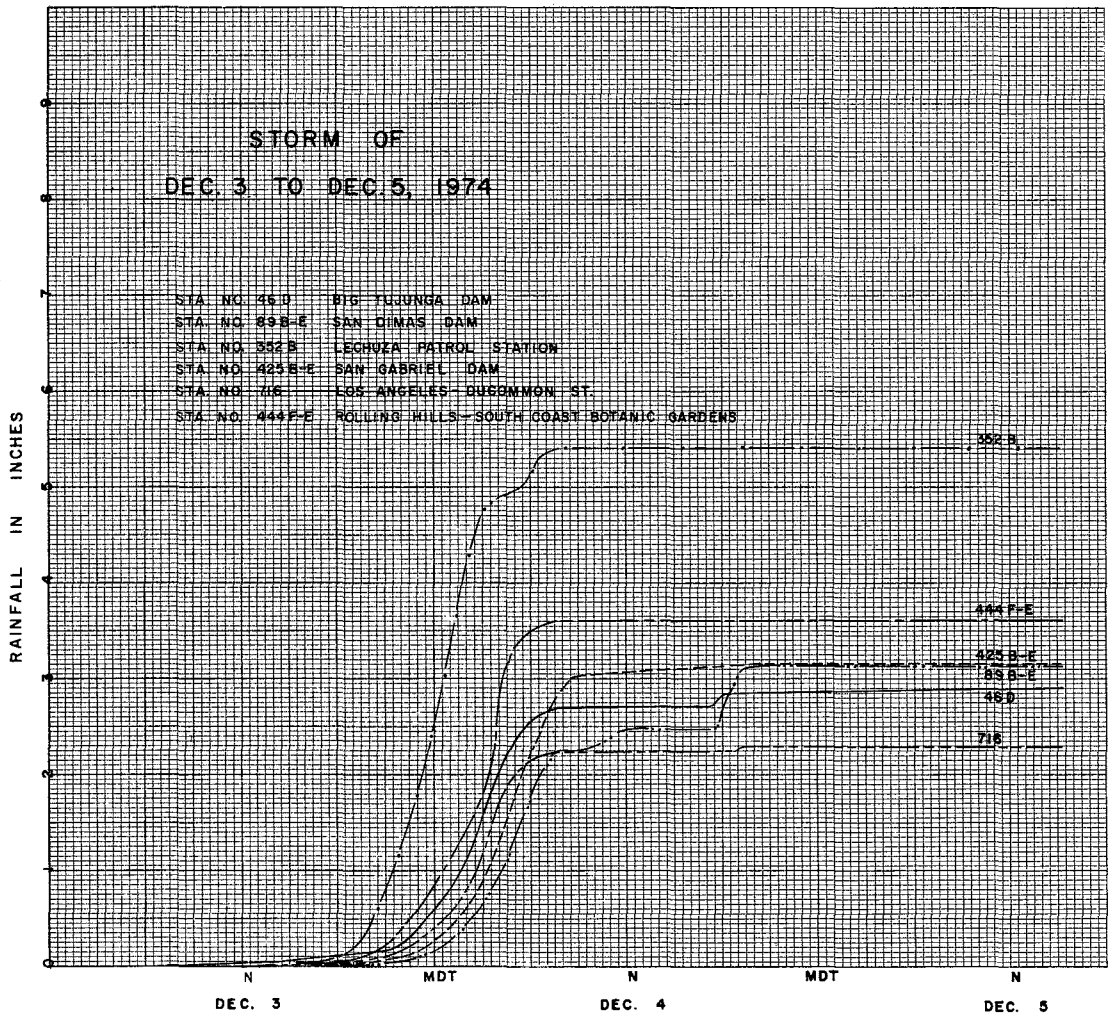


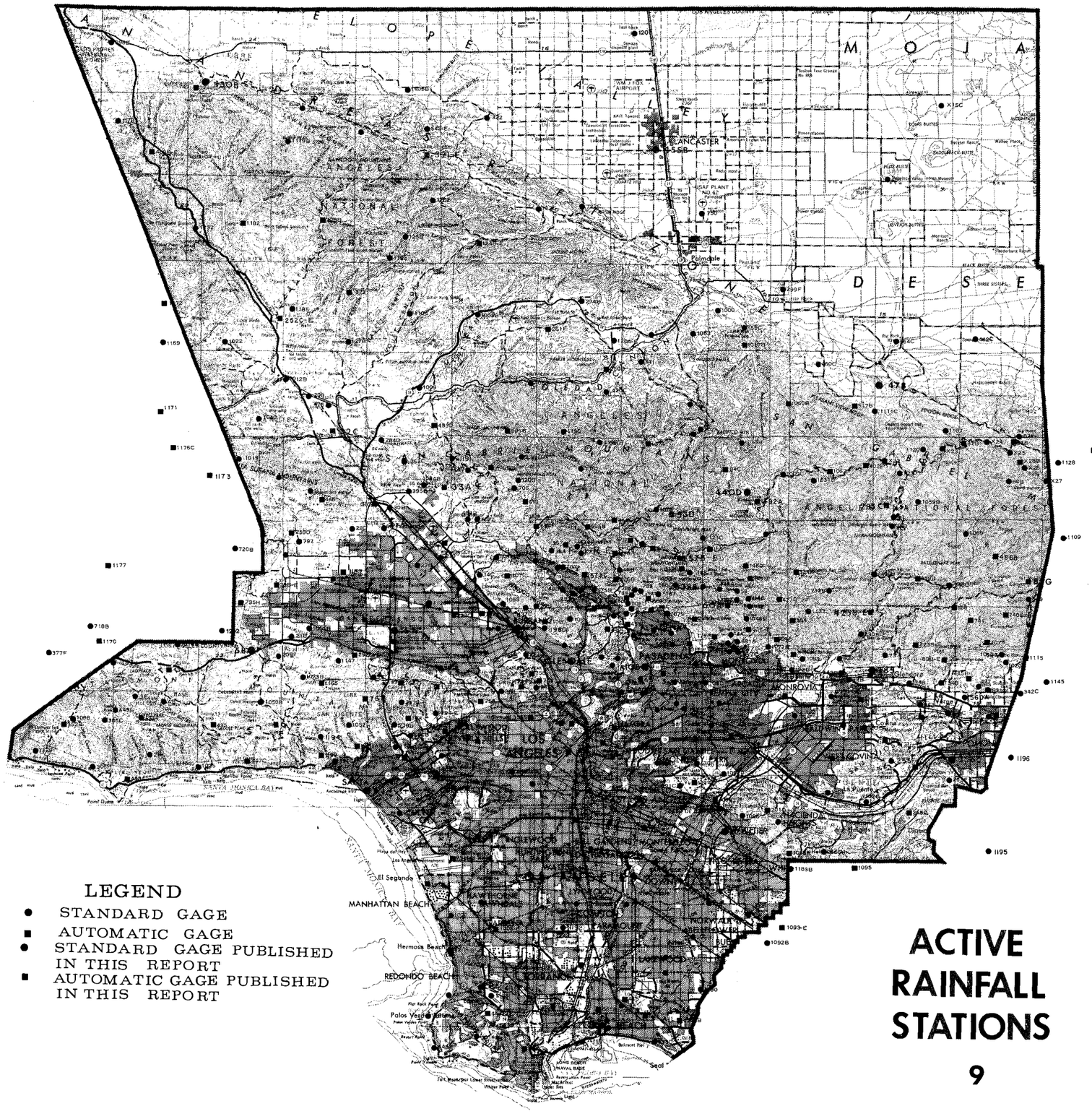
SITE NO.	LOCATION
A	MONTE CRISTO FORESTRY GUARD STATION
B	MT. DISAPPOINTMENT
C	SPRING CAMP
D	PINE MOUNTAIN

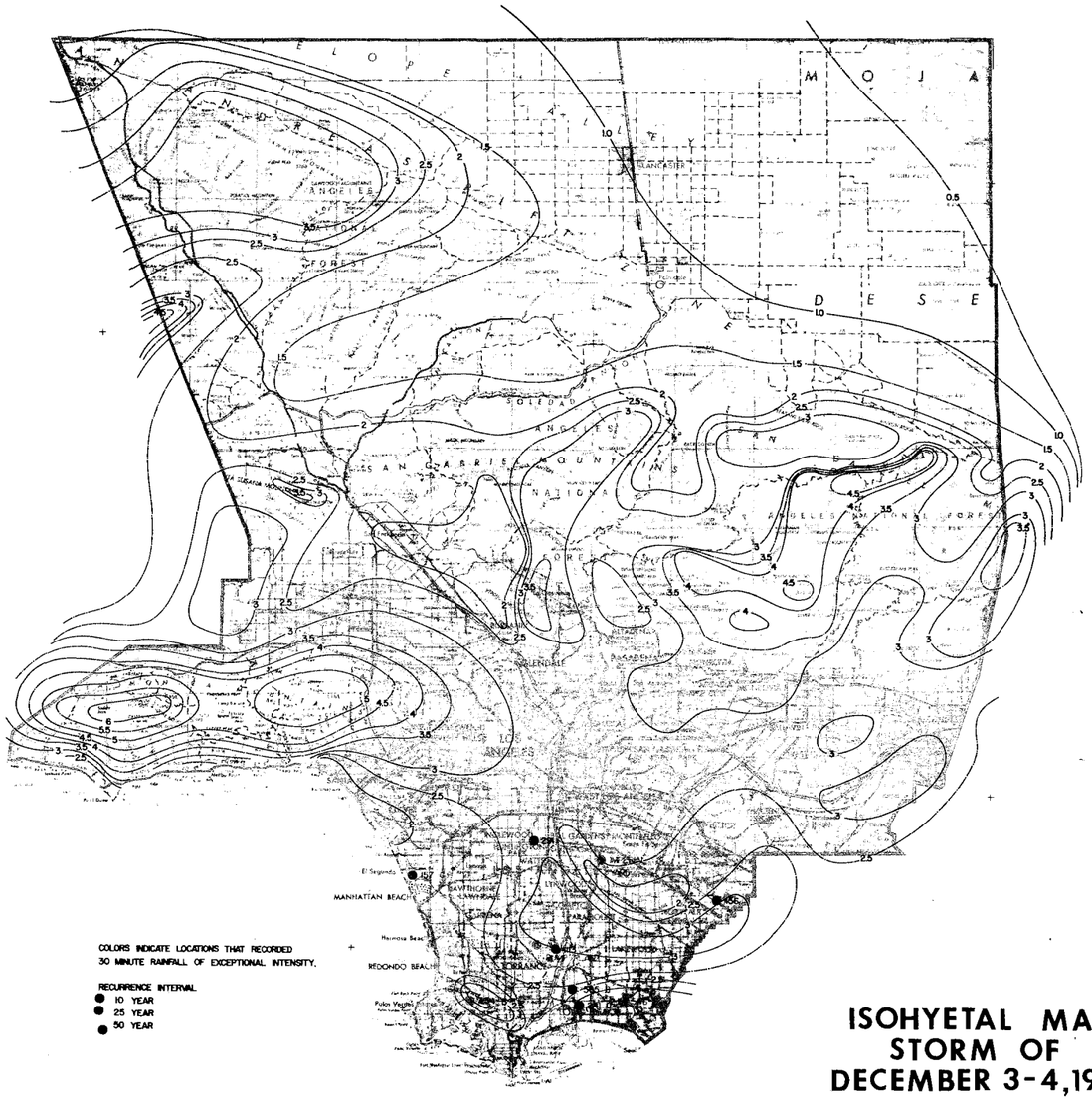
WEATHER MODIFICATION SITES

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

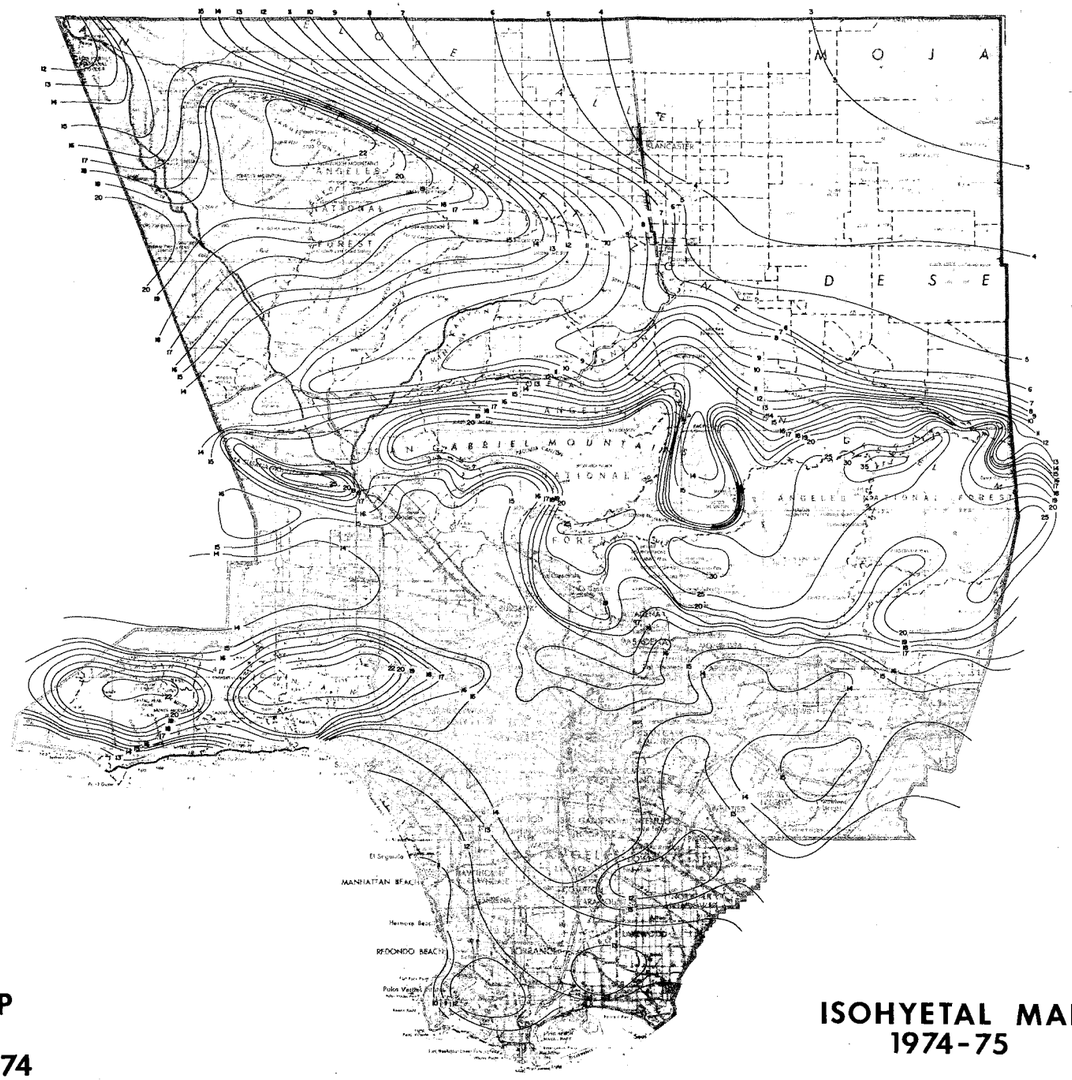





LEGEND
STANDARD GAGE
AUTOMATIC GAGE
STANDARD GAGE PUBLISHED IN THIS REPORT
AUTOMATIC GAGE PUBLISHED IN THIS REPORT
ACTIVE RAINFALL STATIONS
9
LANCASTER
Palmdale
LOS ANGELES
MANHATTAN BEACH
REDONDO BEACH
Hermosa Beach
El Segundo
MONROVIA
ANTELOPE VALLEY
SAN GABRIEL MOUNTAINS
ANGELES NATIONAL FOREST
MOJAVE DESERT



ISOHYETAL MAP
STORM OF
DECEMBER 3-4,1974



ISOHYETAL MAP
1974-75

RAINFALL STATION LOCATION AND SEASONAL AMOUNT

STA. NO.	STATION NAME	TYPE OF GAGE	YEARS OF RECORD	ELEV. OF GAGE	NORTH LAT.	WEST LONG.	OBSERVER	SEASONAL RAINFALL 1974-75
2B	ESCONDIDO CANYON	S	49	1050	34-02-55	118-46-25	STEIN PETERSEN	18.02
3F	SEMINOLE HOT SPRINGS	S	48	925	34-06-25	118-47-30	JOHN & LINDA MCCOY	20.09
4B	MALIBU LAKESIDE	S	62	800	34-06-11	118-45-16	HENRY READ	22.34
5B	CALABASAS	S	48	924	34-09-24	118-38-14	TOM FARMER	14.77
6	TOPANGA CANYON PATROL STATION	A	48	745	34-05-03	118-35-57	TOPANGA CYN PAT STA PERSONNEL	22.81
9B	SEPULVEDA & RAYEN	SP	47	828	34-13-52	118-28-04	GREEN ARROW NURSERY PERS.	14.32
10A	BEL AIR HOTEL	A	47	585	34-05-13	118-26-45	LACFCD PERSONNEL	17.60
11C	UPPER FRANKLIN CANYON RESERVOIR	SPA	48	867	34-07-14	118-24-38	D.W.P. PERSONNEL	16.57
13B	NORTH HOLLYWOOD-BLIX	S	49	593	34-09-23	118-21-56	KATIE BLIX	14.73
14C	ROSCOE-MERRILL	SP	48	1050	34-14-19	118-21-32	E.D. PETERSON	14.07
15A	VAN NUYS	S	70	695	34-10-48	118-27-03	A.A. SIMON	15.12
17	SEPULVEDA CANYON AT MULHOLLAND HIGHWAY	S	46	1425	34-07-51	118-29-26	FIRE STATION PERSONNEL	18.54
20B	GIRARD RESERVOIR	S	54	986	34-09-07	118-36-36	D.W.P. PERSONNEL	16.65
21B	WOODLAND HILLS	S	43	875	34-10-14	118-35-33	LITTON INDUS CORP PERSONNEL	13.92
23B-E	CHATSWORTH RESERVOIR	SP AP	50	900	34-13-44	118-37-18	D.W.P. PERSONNEL	12.99
24F	CHATSWORTH	S	47	948	34-15-20	118-36-36	MRS PAUL NEWTON	14.87
25C	NORTHRIDGE-L.A.DEPT.W&P	SP	55	810	34-13-52	118-32-28	D.W.P. PERSONNEL	13.79
29D	GRANADA HILLS	S	48	1280	34-17-09	118-30-59	HELEN STRATHAUS	16.23
30B	SYLMAR	SP	56	1250	34-18-37	118-28-15	MIKE FUSANO	16.92
31	ORCUTT RANCH	S	27	2850	34-19-28	118-34-14	ESTELLA BLESSING	24.21
32C	NEWHALL-SOLEDAD DIV HDQTRS	S AP	48	1243	34-23-07	118-31-54	FIRE STATION PERSONNEL	15.77
33A-E	PACOIMA DAM	SA	50	1500	34-19-48	118-23-59	THOMAS WERNTZ	16.72
39B	SUNSET DEBRIS BASIN	8.81"	46	1610	34-12-18	118-17-05	LACFCD PERSONNEL	INC
42C	REDONDO BEACH CITY HALL	S	47	70	33-50-43	118-23-20	F.M. ARNOLD	11.15
43D	PALOS VERDES ESTATES	S	50	216	33-47-58	118-23-29	KEN AYERS	10.04
44A	POINT VICENTE LIGHTHOUSE	S	48	125	33-44-30	118-24-38	USCG RADIO STATION PERSONNEL	9.39
46D-E	BIG TUJUNGA DAM	SA	49	2315	34-17-40	118-11-14	JOHN FORRESTER	20.98
47D	CLEAR CREEK-CITY SCHOOL	SA	48	3150	34-16-38	118-10-12	CITY SCHOOLS PERSONNEL	25.29
48B	OAK WILDE	S	48	2175	34-14-37	118-11-07	U.S.F.S. PERSONNEL	16.55
50B	LA CANADA-ARROYO SECO	S	48	1155	34-11-52	118-11-05	FIRE STATION PERSONNEL	18.00
52D	WATERMAN GUARD STATION	S	45	3300	34-15-58	118-08-37	LACFCD PERSONNEL	23.10
53D	COLBY'S	SA	78	3620	34-18-05	118-06-39	DONALD MILLER	20.44
54C	LOOMIS RANCH - ALDER CREEK	A	59	4325	34-20-55	118-02-54	LACFCD PERSONNEL	13.00
57B-E	CAMP HI HILL(OPIDS)	SPA	58	4250	34-15-18	118-05-41	C. E. ROGERS	31.07
58	STURTEVANT CAMP	S	44	3275	34-13-21	118-01-52	LOUIS LUEBKERT	31.87
60A	HOEGEE'S	SA	50	2412	34-12-32	118-02-02	LOUIS LUEBKERT	27.71
63C-E	SANTA ANITA DAM	SA	48	1400	34-11-03	118-01-12	ERNEST R. WINDER	21.11
66	SIERRA MADRE-PEGLER RANCH	S	51	658	34-09-27	118-02-36	RICHARD E. LAWYER	15.09
68C	SAWPIT DAM	SA	49	1375	34-10-30	117-59-07	JAMES T. MCGOWAN JR.	21.05
73	GLENDORA-ENGLEWILD RANCH	SA	49	1165	34-09-22	117-50-57	T.G. KENNARD	18.11
78B	COLDBROOK RANGER STATION	A	25	3280	34-17-26	117-50-26	LACFCD PERSONNEL	23.50
80B	PRAIRIE FORK	ST	27	5640	34-20-20	117-41-30	LACFCD PERSONNEL	17.88
81B	VINCENT GAP	ST	22	6590	34-22-26	117-45-05	LACFCD PERSONNEL	28.23
82F	TABLE MOUNTAIN	S	48	7420	34-22-56	117-40-39	EARL IVIE	6.97
83B	BIG PINES RECREATION PARK	SA	47	6860	34-22-44	117-41-20	U.S.F.S. PERSONNEL	18.91
85G	MT. BALDY GUARD	SA	55	4275	34-14-12	117-39-32	U.S.F.S. PERSONNEL	27.05
89B-E	SAN DIMAS DAM	SA	51	1350	34-09-10	117-46-17	BILLY R. MCCARTY	19.61
91	INDIAN HILL-CLAREMONT	S	46	1483	34-07-22	117-43-11	L. A. KRUSE	15.69
92	CLAREMONT-POMONA COLLEGE	SA	43	1185	34-05-48	117-42-33	JACK C. MILLER	14.76
93B	CLAREMONT-POLICE STATION	8.81"	48	1170	34-05-45	117-43-18	POLICE DEPT. PERSONNEL	14.65
95	SAN DIMAS-FIRE WARDEN	S	48	955	34-06-26	117-48-19	FIRE STATION PERSONNEL	15.91
96C-E	PUDDINGSTONE DAM	SA	48	1030	34-05-31	117-48-24	T. E. ABSPOEL	14.57
102C	WALNUT-PATROL STATION	S	48	488	34-00-12	117-52-14	FIRE STATION PERSONNEL	14.72
106C	WHITTIER CITY HALL	S	48	340	33-58-27	118-01-57	MARTHA RILEY	12.76
107D	DOWNEY-FIRE DEPT.	S	50	130	33-55-48	118-08-40	FIRE STATION PERSONNEL	15.01
108D	EL MONTE FIRE STATION	S	48	275	34-04-30	118-02-30	FIRE STATION PERSONNEL	13.39
108F	EL MONTE AIRPORT	A	1	302	34-05-07	118-01-52	LACFCD	INC
109D	WEST ARCADIA	S	50	547	34-07-42	118-04-22	FIRE STATION PERSONNEL	14.81
110B	ALHAMBRA CITY HALL	S	48	533	34-06-05	118-07-52	WATER DEPT. PERSONNEL	15.86
111	SOUTH PASADENA CITY HALL	S	48	690	34-06-58	118-09-05	FIRE STATION PERSONNEL	15.14*
116F	INGLEWOOD FIRE STATION	SA	53	153	33-57-53	118-21-22	FIRE STATION PERSONNEL	13.27
117F	COMPTON-FIRE STATION	S	51	78	33-53-42	118-13-34	FIRE STATION PERSONNEL	14.93
118C	WILMINGTON	S	47	40	33-47-27	118-15-30	D. E. ERICKSON	12.35
119G	SAWTELLE-SOLDIERS' HOME	S	79	345	34-03-21	118-27-20	VET. ADMIN. PERSONNEL	13.71
120	VINCENT PATROL STATION	S	49	3135	34-29-17	118-08-27	FIRE STATION PERSONNEL	8.18
122G	LEONIS VALLEY-RACKETT RANCH	S	47	3200	34-37-52	118-19-22	RACKETT RANCH	14.96
124B-E	BOUQUET CANYON RESERVOIR	AP	48	3050	34-35-14	118-21-45	D.W.P. PERSONNEL	14.96
125B	SAN FRANCISQUITO CANYON POWER HOUSE NO.1	SP	58	2105	34-35-25	118-27-15	D.W.P. PERSONNEL	15.85
126B	VENICE FIRE STATION	S	47	55	33-59-32	118-27-39	FIRE STATION PERSONNEL	11.65
127B	DRY CANYON RESERVOIR	SP	54	1511	34-28-55	118-31-32	EDWARD FIELDS	12.58
128B	ELIZABETH LAKE CANYON	SA	47	2875	34-36-28	118-33-40	ARTHUR L. STEWART	19.53
130B	SANDBERG-QUAIL LAKE PATROL	S	48	4025	34-44-37	118-42-43	ROBERT PHILLIPS	15.91
134B	SAN DIMAS-STEVENS	S	49	1215	34-07-42	117-48-42	ALBERT L. STEVENS	16.07**
135	NORWALK	S	49	85	33-53-52	118-04-00	CHARLES J. HARGITT	11.73
140C	SAWTELLE	AP	47	250	34-02-43	118-26-55	L.A. CITY PERSONNEL	14.76
143B	AZUSA-CITY PARK	S	47	610	34-08-03	117-54-17	ARTHUR H. BROWN	14.19
144	SIERRA MADRE DAM	S	47	1100	34-10-34	118-02-32	L. CINNAMON	19.09
156	LA MIRADA-STANDARD OIL COMPANY	SA	52	86	33-53-13	118-00-56	STANDARD OIL CO. PERSONNEL	13.10
157C	EL SEGUNDO-STANDARD OIL COMPANY	S AP	47	150	33-54-57	118-25-05	STANDARD OIL CO. PERSONNEL	11.87
158	TANBARK FLATS	SP A	47	2750	34-12-20	117-45-40	U.S.F.S. PERSONNEL	21.06
167C	ARCADIA PUMPING PLANT NO. 1	S	46	611	34-09-31	118-02-02	FIRE STATION PERSONNEL	15.85
169	SIERRA MADRE PUMPING PLANT	SP	50	700	34-09-47	118-02-21	L. CINNAMON AND C. ASKEW	16.37
170F	POTRERO HEIGHTS	S	49	285	34-02-32	118-04-44	S.CALVIN EDINGER	13.02
172B	DUARTE	S	34	548	34-08-26	117-58-02	JACK L. LONGRESS	15.74
174B	GLENDORA-WARREN	S	52	930	34-07-43	117-49-08	FIRE STATION PERSONNEL	16.47
175B	LA CANADA IRRIGATION DISTRICT	S	52	2020	34-13-39	118-12-40	LA CANADA IRRIG.DIST.PERSONNEL	22.10
176	ALTADENA-RUBIO CANYON	SP	54	1125	34-10-55	118-08-15	LAND & WATER ASSOC. PERSONNEL	17.92
178C	AZUSA VALLEY WATER COMPANY	A	75	620	34-06-38	117-52-50	LACFCD PERSONNEL	13.50
179G	BAILEY DEBRIS BASIN	A	30	1180	34-10-25	118-03-38	LACFCD PERSONNEL	18.00
185	GLENDORA-WEST	S	95	822	34-08-23	117-51-33	MERRILL WEST	16.92
191B	LOS ANGELES-ALCAZAR	SA	23	400	34-03-46	118-11-54	LACFCD PERSONNEL	14.81
192C	BELL-FIRE STATION	8.81"	47	145	33-58-45	118-11-16	CHIEF J.H. CARROLL	14.61
193B	COVINA TEMPSE	S	72	580	34-04-57	117-52-29	WILLIAM B. TEMPLE	14.71
196C	LA VERNE-FIRE STATION	S	69	1050	34-06-06	117-46-20	FIRE STATION PERSONNEL	15.29
198C	BRAND DEBRIS BASIN	8.81"	44	925	34-11-04	118-16-32	LACFCD PERSONNEL	11.74
199D	HUNTINGTON PARK	S	48	175	33-59-00	118-13-47	FIRE STATION PERSONNEL	14.28*
200	SAUGUS-SD.CAL.EDISON CO.SUBSTATION	S	47	1096	34-25-21	118-34-26	S.C.E. CO. PERSONNEL	10.97
201D	ALTA MIRA RANCH	A	46	845	33-59-40	117-59-28	LACFCD PERSONNEL	14.12
208B	ARTESIA	S	57	52	33-51-48	118-04-58	FIRE STATION PERSONNEL	13.84
210B	BRAND PARK	A	46	1250	34-11-18	118-16-20	LACFCD PERSONNEL	17.80

RAINFALL STATION LOCATION AND SEASONAL AMOUNT (CONTD.)

STA. NO.	STATION NAME	TYPE OF GAGE	YEARS OF RECORD	ELEV. OF GAGE	NORTH LAT.	WEST LONG.	OBSERVER	SEASONAL RAINFALL 1974-75
213G	LOS ANGELES-HANCOCK PARK	A	46	200	34-03-52	118-21-17	LACFCD PERSONNEL	13.50
216	GLENDALE-JONES	SP	48	615	34-09-54	118-15-01	JAMES E. JONES	14.88
219	PACOIMA WAREHOUSE COUNTY FORESTRY	S	45	955	34-15-21	118-24-24	FIRE STATION PERSONNEL	12.19
222C	LANKERSHIM PUMPING PLANT	SP	46	717	34-11-39	118-23-17	D.W.P. PERSONNEL	14.17
223C-E	BIG DALTON DAM	SA	46	1587	34-10-06	117-48-36	GERALD M. THRASHER	21.29
224C	LONG BEACH ALAMITOS LAND COMPANY	S	80	220	33-46-01	118-11-48	ALAMITOS LAND CO PERSONNEL	13.83
225	MONTANA RANCH	S	55	47	33-50-35	118-07-09	LAKEWOOD WATER DEPT. PERSONNEL	12.97
226B	BURBANK FIRE STATION	S	46	680	34-10-58	118-18-23	FIRE STATION PERSONNEL	13.81
227D	SAN GABRIEL-BRUINGTON	S	44	472	34-06-18	118-06-32	A.E. BRUINGTON	14.65
228B	BEVERLY HILLS-CITY HALL	S AP	50	255	34-04-27	118-23-57	FRED E. POWER	15.28
235C	HENNIGER FLATS	SP A	45	2550	34-11-38	118-05-17	F & FW PERSONNEL	23.26
237C-E	STONE CANYON RESERVOIR	SP	50	865	34-06-21	118-27-13	D.W.P. PERSONNEL	18.65
238	HOLLYWOOD DAM	SP	46	750	34-07-04	118-19-55	D.W.P. PERSONNEL	14.65
241C	LONG BEACH-CITY HALL	S AP	47	116	33-46-12	118-11-32	CITY OF LONG BEACH PERSONNEL	12.31
246C	CULVER CITY	SP	40	100	34-01-17	118-23-41	FIRE STATION PERSONNEL	12.64
250D	ACTON CAMP	A	40	2625	34-27-02	118-11-55	ACTON CAMP PERSONNEL	8.77
251C	LA CRESCENTA	S	54	1440	34-13-20	118-14-40	LA CRES. VAL. WATER DIST. PERS.	20.08
252C-E	CASTAIC DAM HQ	SP	12	1150	34-29-53	118-36-53	D.W.R. PERSONNEL	12.48
255F	MT.SAN ANTONIO COLLEGE-SPADRA	S	45	720	34-02-41	117-50-19	J.G. PAGE	14.82
256C	POMONA FIRE STATION	S	57	844	34-03-16	117-45-10	FIRE STATION PERSONNEL	11.87
257	GRIFFITH PARK NURSERY	S	44	850	34-07-18	118-17-04	WILLIAM S. TOLIN	16.01
259D	CHATSWORTH-TWIN LAKES	SA	45	1275	34-16-43	118-35-41	O.C. CULBREATH	16.60
261F	ACTON-ESCONDIDO CANYON	A	79	2960	34-29-42	118-16-22	LACFCD PERSONNEL	9.18
265D	PUENTE HILLS	S	50	645	33-57-08	117-55-26	P.J. WEISEL JR.	14.44
269C	DIAMOND BAR-HORSE CAMP	SP AP	45	870	33-59-40	117-48-54	U.S.C.E. PERSONNEL	13.59
272D	L.A. HEADWORKS PUMPING PLANT	S	45	470	34-09-21	118-18-02	J.V. FLLERMAN	14.78
274B	ACTON-HUBBARD	SP	76	3490	34-31-31	118-13-58	MRS. GUY S. LEE	10.56
277	SAWMILL MOUNTAIN RANCH	S	44	3700	34-43-15	118-35-00	RANCH PERSONNEL	23.36
278B	LOS ANGELES-CLARK MEMORIAL LIBRARY	S	45	203	34-02-00	118-18-46	FRANK ORDON	14.60
280C	SACRED HEART ACADEMY	A	43	1600	34-10-54	118-11-08	LACFCD PERSONNEL	19.09
283C	CRYSTAL LAKE	SA	44	5370	34-19-02	117-50-28	U.S.F.S. PERSONNEL	26.76
284D	PLACERITA CANYON	S	47	1485	34-22-37	118-28-43	SAM HURT	16.74
287B	GLENDORA	R.81"	46	785	34-08-09	117-51-52	CITY OF GLENDORA PERSONNEL	15.29
289	LAGUNA-BELL-S.C.E.CO.SUBSTATION	SP	45	140	33-58-37	118-08-48	S.C.E.CO. PERSONNEL	14.00
290B	MONTEREY PARK-FIRE STATION	S	25	305	34-02-27	118-07-42	FIRE STATION PERSONNEL	13.87
291	L.A.-96TH AND CENTRAL	A	45	121	33-56-56	118-15-17	LACFCD PERSONNEL	14.40
292D-E	ENCINO RESERVOIR	S A	47	1075	34-08-56	118-30-57	E.E. HARDIN	18.56
293E	VAN NORMAN LAKE - LOWER	SP	47	1150	34-17-18	118-28-54	D.W.P. PERSONNEL	15.44
294B	SIERRA MADRE-MIRA MONTE PUMPING PLANT	SP	45	985	34-10-11	118-02-51	C. ASKEW AND L. CINNAMON	18.36
298B	GORMAN	S	38	3680	34-47-16	118-49-55	DEWEY RALPH	12.92
298C	GORMAN - SHERIFF	S	3	3835	34-47-47	118-51-27	J. SYLVIES	13.72
299F	LITTLE ROCK	S	45	2800	34-32-12	117-58-43	REUBEN J. SCHWAB	4.86
303F	PASADENA-CAL TECH	SA	44	800	34-08-14	118-07-25	DR. N.H. BROOKS	16.74
304	SAWPIT CANYON-DEER PARK	A	45	2690	34-11-38	117-57-52	LACFCD PERSONNEL	29.15
306H	ZUMA BEACH	S	35	15	34-01-15	118-49-42	L.A.CO. LIFEGUARDS	13.79
321-E	PINE CANYON PATROL STATION	SA	44	3286	34-40-24	118-25-45	FIRE STATION PERSONNEL	16.75
322	MUNZ VALLEY RANCH	S	45	2600	34-42-50	118-21-15	ARNOLD MUNZ	7.09
334B-E	COGSWELL DAM	SA	43	2300	34-14-37	117-57-36	R.A. WINDER	25.44
336-E	SILVER LAKE RESERVOIR	SP AP	45	645	34-06-08	118-15-54	D.W.P. PERSONNEL	15.09
338A	MT. WILSON OBSERVATORY	S	43	5675	34-13-32	118-03-21	T. CRAGG	28.24
338B	MT. WILSON AIRWAYS	SP	36	5709	34-13-36	118-03-57	MARCIA E. WINN	34.17
341	ALISO CANYON-PLUM RANCH	S	44	2900	34-27-33	118-09-20	ELIZABETH BILLET	9.28
342C	UPLAND EUCLID PUMPING PLANT	SP AP	43	1610	34-07-33	117-40-52	THOMAS R. CHAPPELL	16.28
347-E	BALDWIN PARK EXPERIMENTAL STATION	S	43	386	34-05-36	117-57-40	LACFCD PERSONNEL	14.31
348D	EAST FORK R.S.	ST	23	2075	34-14-20	117-46-09	LACFCD PERSONNEL	19.07
349D	CAMP RINCON	R.81"	43	1510	34-14-28	117-51-45	LACFCD PERSONNEL	21.17
352B	LECHUZA PATROL STATION	S AP	43	1620	34-04-38	118-52-47	FIRE STATION PERSONNEL	20.72
355B	LOS ANGELES-CITY COLLEGE	S AP	42	310	34-05-14	118-17-28	METEOROLOGICAL DEPARTMENT	15.05
356C	SPADRA-PACIFIC COLONY	SA	31	690	34-02-31	117-48-35	J. E. STILL	13.67
357	VAN NORMAN LAKE-UPPER	SP AP	47	1248	34-18-49	118-29-30	D.W.P. PERSONNEL	16.47
363C	WILSON CANYON	ST	20	3175	34-21-17	118-27-00	LACFCD PERSONNEL	22.47
364B	HAINES CANYON-LOWER	S	57	2530	34-15-56	118-16-07	JAMES P. KINDRED	19.45
365C	MT.LUKENS	SP	29	5040	34-16-05	118-14-06	U.S.F.S. PERSONNEL	15.75
367	HAINES CANYON-UPPER	SP A	42	3440	34-16-18	118-15-07	JAMES P. KINDRED	25.18
372	SAN FRANCISQUITO POWER HOUSE NO.2	SP A	45	1580	34-32-02	118-31-27	D.W.P. PERSONNEL	15.63
373C	BRIGGS TERRACE	SA	41	2200	34-14-17	118-13-27	R.T. SIENS	22.20
377F	LAKE SHERWOOD ESTATES	SP	60	960	34-08-26	118-52-31	FIRE STATION PERSONNEL	16.22
379B	SAN GABRIEL-EAST FORK	A	42	1600	34-14-09	117-48-18	LACFCD PERSONNEL	18.55
386C	ZUMA CANYON-OAKLEY	S	40	1500	34-04-58	118-49-38	BEATRIZ OAKLEY	22.27
387B	COVINA CITY YARD	SP	40	508	34-05-02	117-53-57	CITY OF COVINA PERSONNEL	12.88
388D	PARAMOUNT-CO. FIRE STATION	R.81"	40	80	33-53-50	118-10-02	FIRE STATION PERSONNEL	11.82
390B-E	MORRIS DAM	SP	45	1210	34-10-53	117-52-43	EVERETT PUTNAM	20.91
391C	MONTEBELLO-FIRE DEPARTMENT	R.81"	33	250	34-01-08	118-06-15	FIRE STATION PERSONNEL	12.96
394	HIGHLAND PARK-LINDSAY	S	80	620	34-07-06	118-10-39	MRS. ELIZABETH S. STEVENS	14.20
395B	OLIVE VIEW SANITARIUM	S	41	1425	34-19-29	118-26-55	LACFCD PERSONNEL	16.99
402F	CEDAR SPRINGS	A	37	6780	34-21-21	117-52-34	LACFCD PERSONNEL	20.70
405B	SOLEDAD CANYON	S	39	2150	34-26-23	118-17-33	R. CHAPMAN	12.14
406C	WEST AZUSA	S	39	505	34-06-53	117-54-56	L. BROWN & E. HECK	14.59
409E	RIDGE ROUTE-STATE HWY MAINTENANCE STATION	SP AP	39	2505	34-40-34	118-46-47	D.W.P. PERSONNEL	15.23
415	SIGNAL HILL-CITY HALL	SA	38	140	33-47-49	118-10-03	R. B. WEEKS	13.76
419B	SANTA CLARA RIDGE-MT.GLEASON	ST	35	5420	34-22-34	118-12-23	LACFCD PERSONNEL	20.48
420C	ACTON-COLOMBO RANCH	S	38	3000	34-25-41	118-11-52	CHRISTOPHER C. BREVIDORO	9.76
422G	PACOIMA CANYON	S	40	2075	34-20-51	118-22-12	MRS ENGLISH	21.25
423C	ANGELES FOREST-ALISO CANYON	S	38	3910	34-24-56	118-05-26	LACFCD PERSONNEL	17.36
425B-E	SAN GABRIEL DAM	SA	37	1481	34-12-19	117-51-38	TONY H. GEORGE	21.80
432	SANTA ANITA-FERN LODGE	S	37	2035	34-12-32	118-01-03	LOUIS LUEBKERT	26.31
433C	FAIR OAKS DEBRIS BASIN	A	37	1585	34-12-15	118-08-18	LACFCD PERSONNEL	18.78
434	AGOURA	SA	37	800	34-08-08	118-45-08	FIRE STATION PERSONNEL	14.53
435	MONTE NIDO	SA	37	600	34-04-41	118-41-35	FIRE STATION PERSONNEL	17.65
436C	HANSEN DAM	AP	37	1110	34-16-08	118-23-59	U.S.C.E. PERSONNEL	13.40
440D	CHILAO-USFS CAMP	S	36	5220	34-20-00	118-01-23	U.S.F.S. PERSONNEL	17.15
442C	MESCAL CREEK	S	36	3670	34-29-05	117-44-10	M. J. PAUL	4.71
443B	LATIGO CANYON-REACH RANCH	S	36	1700	34-05-35	118-48-52	MRS. A. G. REACH	23.82
444E-E	ROLLING HILLS-SOUTH COAST BOT. GARDENS	SA	44	400	33-47-00	118-20-35	BOTANICAL GARDENS PERSONNEL	15.47
445B	LIVE OAK DAM	R.81"A	36	1510	34-08-02	117-44-38	LACFCD PERSONNEL	14.74
446	ALISO CANYON-OAT CANYON	SA	36	2367	34-18-53	118-33-25	RICHARD F. POPE	20.54
447C	CARBON CANYON	S	36	50	34-02-18	118-38-56	FIRE STATION PERSONNEL	15.95
449B	EATON WASH DAM	SA	38	880	34-10-06	118-05-33	JOHN C. BARR	16.32
453C	DEVILS GATE DAM	S A	36	1090	34-11-08	118-10-19	RICHARD E. GARRISON	18.47
455B	LANCASTER-STATE HWY MAINTENANCE STATION	S	35	2395	34-40-57	118-08-07	HIGHWAY MAINTENANCE PERSONNEL	3.77

RAINFALL STATION LOCATION AND SEASONAL AMOUNT (CONTD.)

STA. NO.	STATION NAME	TYPE OF GAGE	YEARS OF RECORD	ELEV. OF GAGE	NORTH LAT.	WEST LONG.	OBSERVER	SEASONAL RAINFALL 1974-75
456	PIUTE BUTTE	S	35	2680	34-39-02	117-50-57	WILLIAM SCHOENBERGER	3.65
458	ZUMA CANYON PATROL STATION	SA	35	115	34-01-10	118-47-42	FIRE STATION PERSONNEL	13.13
460C	PLEASANT VIEW MESA	S	35	3960	34-27-40	117-55-51	JAMES W. STEELE	8.42
462B	HILLCREST COUNTRY CLUB-LOS ANGELES	S	35	185	34-02-54	118-24-06	DAVID MASTROLEO	14.95
465C	SUPULVEDA DAM	AP	30	683	34-10-06	118-28-11	U.S.C.E. PERSONNEL	15.15
466B	PACOIMA CANYON-DUTCH LOUIE CANYON	A	34	3220	34-21-07	118-20-38	LACFCD PERSONNEL	20.50
468	PICKENS DEBRIS BASIN	R,R1"	32	1600	34-13-18	118-13-45	LACFCD PERSONNEL	19.48
470	TUJUNGA-MILL CREEK	SA	34	4600	34-23-09	118-05-25	LACFCD PERSONNEL	14.25
471	LITTLE TUJUNGA-GOLD CREEK	AP	34	2750	34-18-57	118-18-02	U.S.C.E. PERSONNEL	15.32
474B	SOUTH GATE FIRE STATION	S	34	130	33-57-16	118-12-43	FIRE STATION PERSONNEL	14.02
475	SAUGUS-NEWHALL LAND AND FARMING COMPANY	S	34	1150	34-24-56	118-32-51	NEWHALL FARMING CO. PERSONNEL	NR
477D	SANTA ANITA-SPRING CAMP	SA	34	4715	34-12-52	117-58-56	R.A. WINDER	24.85
478	VALYERMO-USFS HEADQUARTERS	SP	33	3710	34-26-44	117-51-10	U.S.F.S. PERSONNEL	6.02
480B	TEMPLE CITY FIRE STATION	S	30	404	34-06-31	118-03-25	FIRE STATION PERSONNEL	13.17
482	LOS ANGELES-USC	S	33	208	34-01-14	118-17-15	STANLEY S. BUTLER	12.58
484B	COLDWATER CYN-WIDMAN RANCH	ST A	32	3960	34-15-49	117-42-41	LACFCD PERSONNEL	21.60
488B	KAGEL CANYON PATROL STATION	S	32	1450	34-17-45	118-22-30	FIRE STATION PERSONNEL	15.64
491D	PACIFIC PALISADES	S	31	293	34-02-22	118-31-43	LINZ GENOVESE	12.55
492A	CHILAO-STATE HIGHWAY MAINTENANCE STATION	A	31	5280	34-19-02	118-00-30	LACFCD PERSONNEL	23.40
493D	SAND CANYON-MCMILLAN	SA	31	1805	34-23-17	118-24-50	FIRE STATION PERSONNEL	19.07
497	CLAREMONT-SLAUGHTER	R,R1"P	27	1350	34-07-35	117-43-55	FRANK E. SLAUGHTER	15.37
498	ANGELES CREST HWY DARK CANYON TRAIL	A	31	2800	34-15-21	118-11-45	LACFD PERSONNEL	24.10
517B	LEWIS RANCH	SA	57	4615	34-25-12	117-53-11	PHIL LEWIS	12.49
542-E	FAIRMONT	SP	66	3650	34-42-15	118-25-40	A.E. MAJORS	13.63
560A	LA VERNE HEIGHTS	S	32	1210	34-06-48	117-45-02	MAURICE L. HAGEY	15.73
564C	LLANO	S	45	3390	34-29-13	117-50-02	R. BLALOCK	5.72
565B	LONG BEACH-CITY AUTOMATIC	AP	28	11	33-47-16	118-12-08	CITY OF LONG BEACH PERSONNEL	13.61
566	LONG BEACH NO.1	SP AP	50	15	33-46-46	118-08-36	CITY OF LONG BEACH PERSONNEL	12.10
575C	LONG BEACH WEATHER BUREAU	AP	55	43	33-46-28	118-11-28	CITY OF LONG BEACH PERSONNEL	15.45
588D	MOUNT LOWE	ST	47	4435	34-13-37	118-06-33	LACFCD PERSONNEL	NR
591B	SANTA ANITA RESERVOIR	S	0	1205	34-11-08	118-06-16	PASADENA CITY EMPLOYEES	INC
610B	PASADENA-CITY HALL	SP	40	864	34-08-54	118-08-36	CITY OF PASADENA PERSONNEL	15.49
611C	ALTADENA GOLF COURSE	R,R1"	76	1186	34-10-48	118-07-01	LACFCD PERSONNEL	15.62
612	PASADENA-CHLORINE PLANT	SP	59	1160	34-12-04	118-09-49	CITY OF PASADENA PERSONNEL	17.21
613C	PASADENA BENNETT	S	36	807	34-07-56	118-09-30	HENRY G. BENNETT	16.33
619	SAN ANTONIO CANYON SIERRA POWER HOUSE	S	70	3110	34-12-29	117-40-26	LACFCD PERSONNEL	22.90
627	SAN GABRIEL CANYON-POWER HOUSE	SP A	76	744	34-09-20	117-54-28	OTTO KIRMSEE	18.09
634C	SANTA MONICA	SP	48	94	34-00-43	118-29-27	SANTA MONICA CITY PERSONNEL	12.33
647J	TUJUNGA	SP	58	1685	34-15-45	118-17-34	JAMES D. PARRA	16.77
672	EAGLE ROCK SD.CAL.EDISON CO. SUBSTATION	SP	41	950	34-09-02	118-10-57	S.C.E.CO. PERSONNEL	17.45
673D	ALAMITOS BAY	R,R1"	47	15	33-45-13	118-07-51	LACFCD PERSONNEL	11.51
678	PASADENA-SHELDON RESERVOIR	SP	37	1047	34-10-39	118-09-56	CITY OF PASADENA PERSONNEL	INC
680B	WESTWOOD-UCLA	SP	43	430	34-04-10	118-26-30	MIREK BOROWSKI	15.53
681A	SIERRA MADRE RANGER STATION	S	37	935	34-10-15	118-01-54	USFS PERSONNEL	18.34
683	SUNSET RIDGE GUARD STATION	SP AP	34	2110	34-12-53	118-08-47	T. ARNOT	17.56
694F	BIG TUJUNGA CANYON	A	19	1525	34-17-22	118-17-17	LACFCD PERSONNEL	15.74
695B	TUJUNGA CANYON-VOGEL FLAT	S	40	1850	34-17-12	118-13-32	U.S.F.S. PERSONNEL	23.07
703	GLENDALE-MCINTYRE	SP	16	603	34-09-00	118-14-27	P.T. MCINTYRE	15.81
714	LOS ANGELES-DUCOMMUN STREET	SP A	103	306	34-03-09	118-14-13	D.W.P. PERSONNEL	14.34
718C	THOUSAND OAKS	S	32	800	34-13-06	118-51-56	VENTURA CO. FLOOD CONTROL	13.49
720B	SIMI VALLEY-SUSANA KNOLLS	SP	33	1085	34-15-40	118-40-10	SUSANA KNOLLS FIRE DEPT. PERSONNEL	16.66
722C	BELLEVIEW	S	28	2880	34-37-23	118-13-55	PHOEBE S. CORBELL	10.69
725B	BIRMINGHAM HOSPITAL	AP	30	728	34-11-13	118-30-17	U.S.C.E. PERSONNEL	13.32
726C	ANGELES CREST GUARD STA.	S	25	2300	34-14-01	118-11-04	USFS PERSONNEL	20.79
727B	NEWCOMB PASS	S	30	4125	34-14-17	118-01-04	LACFCD PERSONNEL	26.70
728	PACOIMA CANYON-CITY ROAD GAUGE	SP	30	3175	34-21-42	118-18-25	T. ARNOT	23.46
731	OAK GROVE HDQTRS USFS FLOOD CONTROL	STP	30	1080	34-11-47	118-10-29	T. ARNOT	18.30
732B	ROBERTS CN.-SAN GABRIEL WEST FORK DIVIDE	ST	29	4100	34-13-30	117-55-15	LACFCD PERSONNEL	27.87
734C	L.A. INTERNATIONAL AIRPORT	SP AP	34	105	33-56-25	118-23-44	U.S.W.B. PERSONNEL	11.28
735H	BELL CANYON	A	23	895	34-11-40	118-39-23	LACFCD PERSONNEL	13.29
740B	SAN DIMAS CANYON-FERN NO.2	SP AP	34	5200	34-11-48	117-41-45	U.S.F.S. PERSONNEL	25.42
741	SAN DIMAS CANYON-UPPER EAST FORK	AP	41	2765	34-11-41	117-44-26	U.S.F.S. PERSONNEL	21.62
742C	SAN GABRIEL FIRE DEPT.	SP	36	445	34-06-11	118-05-56	FIRE STATION PERSONNEL	15.20
747	SANDBURG-AIRWAYS STATION	SP AP	43	4517	34-44-47	118-43-29	U.S.W.B. PERSONNEL	16.99
749B	BURBANK	SP AP	44	655	34-11-11	118-20-54	PUMP STATION OPERATORS	14.03
750	PALMDALE-F.A.A.AIRPORT	SP	17	2528	34-37-20	118-05-00	F.A.A. AIRPORT PERSONNEL	5.55
755	GRIFFITH PARK-LITTLE CANYON	AP	28	900	34-07-32	118-16-58	CITY OF L.A. PERSONNEL	15.22
757	GRIFFITH PARK-FERN DELL	AP	28	750	34-07-12	118-18-20	CITY OF L.A. PERSONNEL	13.41
758	GRIFFITH PARK-LOWER SPRING CANYON	AP	28	600	34-08-02	118-17-27	CITY OF L.A. PERSONNEL	15.86
759	NICHOLS DEBRIS BASIN	AP	28	440	34-06-22	118-21-31	CITY OF L.A. & LACFCD PERSONNEL	16.37
760B	STUDIO CITY-BEEMAN AVE	AP	28	627	34-08-58	118-24-24	CITY OF L.A. PERSONNEL	14.73
762	UPPER STONE CANYON	AP	28	943	34-07-27	118-27-15	CITY OF L.A. PERSONNEL	20.89
767	MANOEVILLE CANYON ROAD	AP	29	1160	34-06-24	118-30-10	CITY OF L.A. PERSONNEL	22.91
772	L.A.-ECHO PARK AND LUCRETIA	AP	28	475	34-05-02	118-15-11	CITY OF L.A. PERSONNEL	13.61
783	COON CANYON	SP AP	27	1350	34-12-47	118-10-12	T. ARNOT	18.45
786	COON CANYON	SP	27	2250	34-13-18	118-09-47	T. ARNOT	17.49
788	COON CANYON	SP	27	1710	34-12-56	118-10-00	T. ARNOT	18.05
789	EL PRIETO CANYON	SP	27	2325	34-13-32	118-09-19	T. ARNOT	17.99
794E	LOWER FRANKLIN RESERVOIR	SP	27	585	34-05-43	118-24-40	D. G. HOOVER	16.10
795	PASADENA-JOURDAN	SP	26	705	34-08-52	118-05-14	CITY OF PASADENA PERSONNEL	15.88
796	ELYSIAN PARK-FIRE DEPT.	AP	27	757	34-04-55	118-14-22	CITY OF L.A. PERSONNEL	14.04
797	DE SOTO RESERVOIR	SP	27	1127	34-16-17	118-35-12	R. D. MCCLELLAN	14.87
801B	MAGIC MOUNTAIN	AP	28	4720	34-23-18	118-19-27	U.S.C.E. PERSONNEL	18.77
802C-E	EAGLE ROCK RESERVOIR	SP	26	970	34-08-47	118-11-20	E. LAZAR	15.21
807	ASCOT RESERVOIR	SP A	28	620	34-04-46	118-11-14	ALBERT ARROYO	15.11
1000	HUNT CANYON-BONES RANCH	S	29	3263	34-30-48	118-03-37	MRS. L. A. BONES	7.94
1005B	MINT CANYON FIRE STATION	S	29	2300	34-30-35	118-21-40	FIRE STATION PERSONNEL	11.00
1006	SAN PEDRO-CITY RESERVOIR	SA	31	150	33-44-37	118-17-47	CITY EMPLOYEES	11.85
1007C	CAMP VALCREST	S	29	5920	34-20-40	117-58-41	R.C. HADLOCK	19.04
1008-E	LA FRESA-S.C.E.CO.	SA	68	65	33-52-07	118-19-55	S.C.E. CO. PERSONNEL	12.44
1009	MINT CANYON-WARMUTH	S	29	1625	34-26-04	118-26-06	JOE J. WARMUTH	10.48
1010C	PALMER CANYON-FORKS	S	28	2160	34-09-32	117-42-06	LACFCD PERSONNEL	19.55
1011B	PALOS VERDES FIRE STATION	S	28	1275	34-45-25	118-21-11	FIRE STATION PERSONNEL	14.31
1012B	CASTAIC JUNCTION	A	28	1005	34-26-18	118-36-43	FIRE STATION PERSONNEL	11.18
1014F-E	RIO HONDO SPREADING	SA	48	170	33-59-57	118-06-04	LACFD PERSONNEL	12.38
1017B	LITTLE ROCK CREEK ABOVE DAM	A	27	3280	34-28-41	118-01-24	LACFCD PERSONNEL	8.19
1018C	OAT MOUNTAIN-LOOKOUT	S	19	3740	34-19-45	118-36-00	WM. BEDDOW	16.65**
1019	SANTA SUSANA MTS. SALT CANYON	ST	27	2850	34-21-24	118-39-42	LACFCD PERSONNEL	18.37
1020B	PAOUA HILLS PATROL STATION	S	27	1400	34-08-52	117-41-55	FIRE STATION PERSONNEL	18.14
1022	HASLEY CANYON-WESTERN GULF OIL CO.	S	27	1725	34-28-44	118-41-04	GULF OIL CO. PERSONNEL	14.62
1023B	SANTA MARIA CREEK-SPEER	S	23	1415	34-07-44	118-34-42	WILLIAM SPEER	19.61
1025	MALIBU BEACH-DUNNE	S	26	160	34-02-00	118-42-42	PHILIP DUNNE	11.97
1029B	TUJUNGA-MILL CREEK SUMMIT	S	26	4970	34-23-25	118-04-50	ROAD DEPT PERSONNEL	13.97
1030	MT. ISLIP-LITTLE JIMMY SPRINGS	ST	26	7520	34-20-50	117-49-57	LACFCD PERSONNEL	37.85
1031B	MT. WATERMAN	ST	23	7960	34-20-23	117-56-21	LACFCD PERSONNEL	22.33

RAINFALL STATION LOCATION AND SEASONAL AMOUNT (CONTD.)

STA. NO.	STATION NAME	TYPE OF GAGE	YEARS OF RECORD	ELEV. OF GAGE	NORTH LAT.	WEST LONG.	OBSERVER	SEASONAL RAINFALL 1974-75
1035	WHITTIER-WOOD	SA	25	280	33-59-52	118-03-10	WALTER J. WOOD	13.20
1037	ARCADIA-ARBORETUM	SA	25	565	34-08-48	118-02-59	DAN MARTEL	15.04
10388	MT. PACIFICO	ST	25	6880	34-22-40	118-01-44	LACFCD PERSONNEL	20.22
1040	POTRERO CANYON-SUNRAY DX OIL CO.	S	24	1150	34-23-50	118-38-18	SUNRAY DX OIL CO. PERSONNEL	12.71
10418	SANTA FE DAM	AP	26	427	34-07-04	117-58-24	U.S.C.E. PERSONNEL	13.76
10468	SANTA ANITA CANYON-CHANTRY FLAT	S	23	2175	34-11-46	118-01-20	LILA ADAMS	25.44
10488	LA CRESCENTA-CO. ROAD DEPT.	S	24	1410	34-13-27	118-15-23	G. S. TURRILL	20.83
10508	OLD TOPANGA CANYON	S	20	1000	34-06-28	118-37-40	MAUDE E. CARTER	21.99
10518	CANOGA PARK-PIERCE COLLEGE	SP	26	800	34-10-51	118-34-23	JAMES VERNON	14.83
1052	CAMP JOSEPHO	SP	23	660	34-04-51	118-31-10	DONALD MATHEWS	21.76
10588-E	PALMDALE	SP AP	21	2595	34-35-17	118-05-31	IRRIGATION DISTRICT PERSONNEL	4.92
10598	SOUTH MT. HAWKINS	ST	22	7700	34-18-46	117-48-32	LACFCD PERSONNEL	27.15
10608	LITTLE ROCK-SYCAMORE CAMP	A	22	4000	34-25-02	117-58-13	LACFCD PERSONNEL	11.00
1062	BUCKHORN FLAT	A	22	6760	34-20-44	117-55-08	LACFCD PERSONNEL	25.90
1063	SOLEDAD PASS	S	22	3520	34-29-35	118-05-28	J.G. JOHNSTON	10.10
1068	RATTLESNAKE CANYON-CAMP NO.3	S	22	1290	34-05-00	118-51-55	L.A. CO. SHERIFF PERSONNEL	21.11
1070	MANHATTAN BEACH	S	22	182	33-53-00	118-23-19	JOSEPH PALMER	10.50
10718-E	DESCANSO GARDENS	S	22	1325	34-12-07	118-12-46	GARNER J. ENGEL	19.17
1072	LITTLE TUJUNGA RANGER STATION	SP A	22	1275	34-17-37	118-21-38	LACFCD PERSONNEL	14.49
1074	LITTLE GLEASON	SA	20	5600	34-22-43	118-08-57	LACFCD PERSONNEL	24.30
1075	UPPER WOLFSKILL CANYON	AP	33	3625	34-10-13	117-43-16	USFS PERSONNEL	23.12
10768	MONTE CRISTO RANGER STATION	SP	21	3360	34-19-42	118-07-20	U.S.F.S. PERSONNEL	15.57
10778	MONROVIA-FIVE POINTS	S	21	962	34-09-58	117-59-37	CITY PERSONNEL	18.82
1078	COVINA-GRIFFITH	SA	21	975	34-04-10	117-50-47	ELBERT B. GRIFFITH	14.74
1079	RUBIO DEBRIS BASIN	R.R1"	21	1653	34-11-57	118-07-22	LACFCD PERSONNEL	17.35
10808	BRADBURY DEBRIS BASIN	A	20	935	34-09-23	117-57-58	LACFCD PERSONNEL	18.41
1081	DEER DEBRIS BASIN	R.R1"	20	1200	34-11-33	118-14-28	LACFCD PERSONNEL	16.93
1082	DUNSMUIR DEBRIS BASIN	R.R1"	21	2275	34-14-52	118-15-06	LACFCD PERSONNEL	21.25
1083	HADDOCK DEBRIS BASIN	R.R1	20	905	34-09-17	117-57-05	LACFCD PERSONNEL	16.67
10848	MAY DEBRIS BASIN	S	14	1680	34-19-50	118-25-45	LACFCD PERSONNEL	17.50
1086	TURNBULL DEBRIS BASIN	R.R1"	21	495	33-59-18	118-01-30	LACFCD PERSONNEL	9.30
1087-E	GREEN VERDUGO PUMP PLANT	S	20	1340	34-15-25	118-20-11	D.W.P. PERSONNEL	13.94
10888	LA HABRA HEIGHTS MUTUAL WATER CO.	SA	20	445	33-56-55	117-57-51	WATER CO. PERSONNEL	13.81
1090	LOS ALAMITOS	SP	43	25	33-48-35	118-04-35	L. HEDRICK	12.11
10928	BUENA PARK	3"P	48	80	33-51-28	117-59-29	PUBLIC WORKS OFFICE PERSONNEL	13.93
1093E	FULLERTON AIRPORT	SP AP	21	100	33-52-23	117-58-24	ORANGE COUNTY PERSONNEL	12.21
1095	ORANGE COUNTY RESERVOIR	SP AP	34	660	33-56-07	117-52-58	U.S.C.E. PERSONNEL	12.84
1099	WHITTIER-CATE	S	20	280	34-00-20	118-03-30	IRA D. CATE	12.91
1102C	BOBCAT CANYON-SAN GABRIEL WEST FORK	ST	20	5160	34-17-02	117-59-40	LACFCD PERSONNEL	21.79
1104	BOUQUET CANYON AT TEXAS CANYON	S	20	1760	34-30-35	118-27-00	U.S.F.S. PERSONNEL	11.43
1105B	FAIRMONT	SP	20	2855	34-44-23	118-27-15	D.S. PATTERSON	9.05
1107D	LA TUNA CANYON	A	20	1160	34-14-13	118-19-37	LACFCD PERSONNEL	14.50
1109	MT.BALDY	ST	20	8650	34-16-53	117-37-00	LACFCD PERSONNEL	29.36
1111C	DEVIL'S PUNCHBOWL	S	15	4760	34-24-48	117-51-25	JOHN SMITH	14.10
1113	DOMINGUEZ WATER CO.	SP AP	39	30	33-49-54	118-13-30	T.J. CLEMMER	12.18
1114B	WHITTIER NARROWS DAM	AP	19	239	34-01-29	118-05-02	U.S.C.E. PERSONNEL	11.89
1115	SAN ANTONIO DAM	R.R1"AP	19	2120	34-09-24	117-40-20	U.S.C.E. PERSONNEL	17.55
1116	LONG BEACH-SAN ANSELINE	S AP	20	15	33-47-38	118-07-15	BAYARD MILNOR	12.36
1117	PINE CANYON GUARD STATION	S	19	3810	34-41-55	118-30-35	JERRY O. RICE	22.18
1119B	ATMORE MEADOW	ST	14	4325	34-41-18	118-36-16	LACFCD PERSONNEL	23.14
1120	DAWSON SADDLE	ST	19	7900	34-22-08	117-48-10	LACFCD PERSONNEL	19.12
1121C	BARLEY FLAT	S	19	5525	34-16-40	118-04-40	L.A. CO. SHERIFF PERSONNEL	16.27*
1122	COOKS DEBRIS BASIN	R.R1"	19	2100	34-14-49	118-15-40	LACFCD PERSONNEL	21.27
1124B	RED BOX GAP	S	18	4625	34-15-30	118-06-18	U.S.F.S. PERSONNEL	27.59
1125	LA PUENTE	S	18	460	34-01-00	117-55-15	H.J. GRUETER	16.16
1126	LAWO-EAST VALLEY	R.R1"	18	780	34-12-30	118-24-35	J. SHAFFER	14.06
1127	WEST BURBANK	S	17	615	34-10-47	118-20-07	FIRE STATION PERSONNEL	16.83
1128	WRIGHTWOOD FIRE STATION	S	18	5960	34-21-34	117-37-57	FIRE STATION PERSONNEL	13.63
1129	NICHOLAS CANYON	S	17	340	34-02-52	118-54-57	M.E. GORDON	12.15
1132	OAK FLAT GUARD STATION	S	17	2800	34-35-56	118-43-15	U.S.F.S. PERSONNEL	19.51
1133	FISH CANYON	ST	17	2600	34-12-23	117-56-43	LACFCD PERSONNEL	28.58
1135B	LUNADA BAY	SP	17	250	33-46-37	118-25-01	RONALD HARRIS	9.53
1137C	STOUGH PARK	S	17	1160	34-12-17	118-18-15	LYLE GIESE	14.90
1138	MT.DISAPPOINTMENT	A	16	5725	34-14-42	118-06-07	L.A.C.F.C.D.	25.77
1140	ROSEMEAD	R.R1"	15	305	34-04-53	118-03-55	FIRE STATION PERSONNEL	15.00
1145	UPLAND	SP	16	1605	34-07-57	117-38-38	LIBERTY GROVES PERSONNEL	16.81
1146	SANTA ANITA CANYON-HELIPORT	S	14	2575	34-12-52	118-01-05	LOUIS LUEBKERT	26.42
1147	EL CABALLERO COUNTRY CLUB	S	15	1000	34-08-52	118-31-53	E.G. BORDER	19.09
1148B	SAN JOSE HILLS	S	15	440	34-03-00	117-54-53	HAROLD E. GAULDIN	13.59
1152	CLEAR CREEK RANGER STATION	S	15	3625	34-16-15	118-09-11	U.S.F.S. PERSONNEL	21.12
1155	LAWNDALE	S	13	60	33-53-53	118-20-35	FIRE STATION PERSONNEL	INC
1157	CAL STATE UNIVERSITY AT NORTHRIDGE	A	13	890	34-14-17	118-31-48	DR. A. COURT	13.83
1158	TORRANCE MUNICIPAL AIRPORT	S	16	102	33-47-59	118-20-08	AIRPORT PERSONNEL	12.83
1159	SHORTCUT CANYON-WEST FORK	A	9	4425	34-15-55	118-04-08	LACFCD PERSONNEL	26.0
1160	SAN GABRIEL CANYON WEST FORK HELIPORT	A	11	3200	34-15-02	118-01-30	LACFCD PERSONNEL	29.00
1162	IRON MOUNTAIN	ST	12	5320	34-21-06	118-13-42	LACFCD PERSONNEL	22.99
1164	WALTERIA LAKE PUMPING STATION	R.R1"	11	90	33-48-35	118-21-05	ROBERT BARBOSA	10.53
1167	FENNER CANYON	S	10	5380	34-23-25	117-46-27	PROBATION DEPT. PERSONNEL	18.25
1169B	LAKE PIRU	SP	21	1145	34-28-22	118-45-21	FRANK C. BECKWITH	19.07
1170B	THOUSAND OAKS WEATHER STATION	A	19	805	34-10-44	118-51-01	VENTURA COUNTY FLOOD CONTROL	14.27
1171B	CAMULOS RANCH	SA	19	725	34-24-20	118-45-21	JACK WARRING	13.69
1172	PIRU CANYON ABOVE PIRU LAKE	AP	19	1150	34-30-48	118-45-24	FRANK C. BECKWITH	17.92
1173A	TAPO CANYON	AP	14	1525	34-12-54	118-42-41	SOIL CON. PERSONNEL.	14.32
1174	CASTRO PEAK	SA	19	2824	34-05-09	118-47-04	RAY SMITH	20.36
1177B	LAKE BARO	A	9	1010	34-14-32	118-49-41	A.L. ALGAR	10.96
1183B	LA HABRA FIRE STATION	SP	46	315	33-55-53	117-57-17	FIRE STATION PERSONNEL	14.58
1184	SAN FRANCISQUITO CANYON CAMP 4	S	7	1840	34-33-55	118-28-28	WILLIAM SMITH	15.20
1187	MILLARD-CAMP SIERRA	STP	4	2760	34-13-04	118-07-58	U.S.F.S. PERSONNEL	17.85
1188	EATON-MARKHAM SADDLE	SP	4	5400	34-14-31	118-05-38	U.S.F.S. PERSONNEL	16.67
1198	PACOIMA CANYON NORTH FORK RANGER STATION	SA	6	4180	34-23-17	118-15-06	USFS PERSONNEL	INC
1191	BEAR-DIVIDE USFS STATION	S	5	2700	34-21-35	118-23-37	USFS PERSONNEL	21.61
1192	CARSON FIRE STATION	R.R1"	2	92	33-52-04	118-15-45	FIRE STATION PERSONNEL	12.02
1193	WESTLAKE VILLAGE	S	2	885	34-08-19	118-49-05	FIRE STATION PERSONNEL	14.63
1194	SANTA YNEZ RESERVOIR	S	8	735	34-04-23	118-33-59	D.W.P. PERSONNEL	19.83
1195	CHINO FIRE STATION #2	SP	31	655	33-59-00	117-43-20	S.B.C.F.C.D.	12.41
1196	MONTCLAIR FIRE DEPARTMENT	S	18	965	34-03-41	117-41-16	S.B.C.F.C.D.	14.66
1197	CAJON WEST SUMMIT	AP	32	4838	34-23-00	117-35-00	S.B.C.F.C.D.	8.60
1198	PHELAN FIRE CONTROL	SP	18	4160	34-25-30	117-34-00	S.B.C.F.C.D.	4.94
1199	CLOUDCROFT DEBRIS BASIN	A	2	350	34-02-58	118-34-12	LACFCD PERSONNEL	19.62
X150	HI VISTA	S	24	3087	34-44-31	117-46-43	MARY SCHAEFFER	2.44

RAINFALL STATION LOCATION AND SEASONAL AMOUNT (CONTD)

STA. NO.	STATION NAME	TYPE OF GAGE	YEARS OF RECORD	ELEV. OF GAGE	NORTH LAT.	WEST LONG.	OBSERVER	SEASONAL RAINFALL 1974-75
X19	COOKS CANYON	SP	19	3400	34-15-52	118-15-11	T. ARNDT	18.02
X21B	DUNSMORE CANYON-UPPER	SP	19	3290	34-15-38	118-13-47	T. ARNDT	19.29
X22	ISLIP SADDLE	ST	18	6680	34-21-27	117-51-05	LACFCD PERSONNEL	26.61
X23	DORR CANYON	ST	18	7280	34-22-16	117-46-51	LACFCD PERSONNEL	20.58
X24	GRASSY HOLLOW	ST	18	7360	34-22-30	117-43-05	LACFCD PERSONNEL	14.88
X25	BEAR GULCH	ST	18	7880	34-21-58	117-41-27	LACFCD PERSONNEL	18.96
X26	BLUE RIDGE	ST	18	8450	34-20-57	117-40-23	LACFCD PERSONNEL	9.79
X27	GUFFY'S CAMP	ST	18	8080	34-20-20	117-38-55	LACFCD PERSONNEL	16.29
X28B	HOLIDAY HILL	A	18	8130	34-21-29	117-40-54	LACFCD PERSONNEL	13.60
X29	PINE MOUNTAIN	A	17	4100	34-13-35	117-54-28	LACFCD	24.87
X33	EAGLE DEBRIS BASIN	8.81"	16	1890	34-14-07	118-14-12	LACFCD PERSONNEL	18.98
X42B	HOOK DEBRIS BASIN	S	7	1250	34-09-15	117-52-35	LACFCD PERSONNEL	15.25
X43	HARROW DEBRIS BASIN	8.81"AP	7	1275	34-09-25	117-51-40	LACFCD PERSONNEL	14.97
X44	ENGLEWILD DEBRIS BASIN	8.81"	7	1310	34-09-25	117-50-48	LACFCD PERSONNEL	15.14

LEGEND REGARDING GAGE TYPE, OWNERSHIP, AND RAINFALL AMOUNTS

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

STATION NO. 5B
CALABASAS

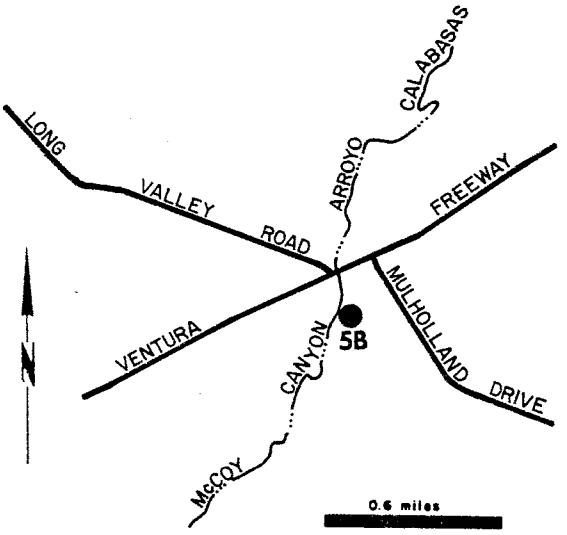
LOCATION
Residence:
4803 El Canon Avenue
South of Ventura Boulevard
Calabasas

LATITUDE
34° 09' 24"

LONGITUDE
118° 38' 14"

ELEVATION
924'

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



STATION NO. 5B
CALABASAS

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	23.68
1938-39	22.72 B
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	9.91
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

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

78S845-57- Cdb 12-71

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

SEASONAL RAINFALL AT Calabasas SEASON 1974-75

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2												
3					2.01							
4			3.00		.36							
5						.49	.71					
6						1.42	.18					
7	.05					.29	.09					
8	.03					1.27	.10					
9					.57		.45					
10					.20	.42						
11						.67						
12												
13												
14						.16						
15							.03					
16						.08						.05
17												
18												
19												
20												
21												
22		.01				.19						
23												
24												
25												
26												
27												
28	.28		1.14									
29			.40									
30				.02								
31			.05	.03		.02						
TOTAL	.36	.01	4.59	.05	3.14	5.01	1.56	0	0	0	0	.05

SEASON TOTAL 14.77

STATION NO. 6
TOPANGA

LOCATION
L.A. County
F. & F.W. Fire Station
401 S. Topanga Canyon Blvd.
Topanga, Malibu Mountains

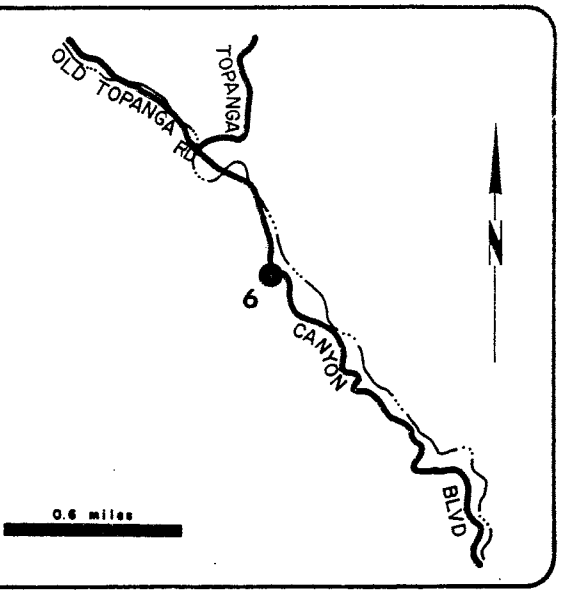
LATITUDE
35° 05° 03"

LONGITUDE
118° 35' 57"

ELEVATION
745'

LENGTH OF RECORD
non-recording rain gage
10/25/27 to date

recording rain gage
8/1/30 to date



STATION NO. 6
TOPANGA

SEASON	RAINFALL
1927-28	14.50
1928-29	20.46
1929-30	18.39
1930-31	24.89
1931-32	28.07
1932-33	18.39
1933-34	26.74
1934-35	25.21
1935-36	22.52
1936-37	33.96
1937-38	38.74
1938-39	24.61
1939-40	23.28
1940-41	54.64
1941-42	18.19
1942-43	32.96
1943-44	28.35
1944-45	20.04
1945-46	19.89
1946-47	19.44
1947-48	10.92
1948-49	12.65
1949-50	18.36
1950-51	12.62
1951-52	45.24
1952-53	14.92
1953-54	21.36
1954-55	20.25
1955-56	24.38
1956-57	17.65
1957-58	40.26
1958-59	11.67
1959-60	15.86
1960-61	8.96
1961-62	39.55
1962-63	16.35
1963-64	12.99
1964-65	19.65
1965-66	31.29
1966-67	38.63
1967-68	20.94
1968-69	48.99
1969-70	12.68
1970-71	24.00
1971-72	11.85
1972-73	32.96
1973-74	25.30
1974-75	22.81

768345-57- Cdb 12-71

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

SEASONAL RAINFALL AT Topanga Canyon SEASON 1974-75

Record Furnished by ..... Copied by ..... Date Copied .....

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2					.3							
3					2.1							
4			5.57		1.2							
5						.5	1.1					
6						3.0	.2					
7						.2	.1					
8						2.5	.2					
9					1.1		.4					
10					.4	.3						
11												
12												
13												
14						.4						
15							.1					
16						.1						
17												
18												
19												
20								.1				
21												
22						.6						
23												
24												
25												
26												
27	.08											
28	.34		1.28									
29			.44									
30				.1								
31						.1						
TOTAL	.42	0	7.29	.1	5.1	7.7	2.1	.1	0	0	0	0

SEASON TOTAL 22.81

STATION NO. 15A
VAN NUYS

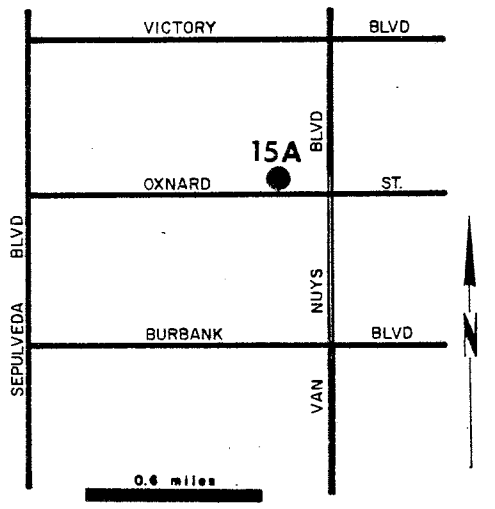
LOCATION
Los Angeles DWP Service Yard
Aetna and Vesper Streets
Van Nuys

LATITUDE
34° 10' 48"

LONGITUDE
118° 27' 03"

ELEVATION
695'

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



STATION NO. 15A
VAN NUYS

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	6.26 B
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	14.97 A
1971-72	7.15
1972-73	19.35
1973-74	15.27
1974-75	15.12

76S345-57- Cdb 12-71

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

SEASONAL RAINFALL AT Van Nuys **SEASON** 1974-75

Record Furnished by ..... **Copied by** ..... **Date Copied** .....

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2	T				T							
3					1.80							
4	T		2.68		.38							
5			.11			.24	.56					
6						2.22	.17					
7	.11					.28	.30					
8	.10						.11					
9					.67		.43					
10					T	1.56	T					
11						.12						
12							.10					
13						T						
14					T	.15						
15							.35					
16							T					.10
17												
18												
19												
20								.03				
21												
22		.04				.74						
23												
24												
25						T						
26												
27				T								
28	.34		.57									
29	T		.80									
30				.06								
31			T			T						
TOTAL	.55	.04	4.16	.06	2.85	5.31	2.02	.03	0	0	0	.10

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

SEASON TOTAL 15.12

STATION NO. 32C-E
NEWHALL

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

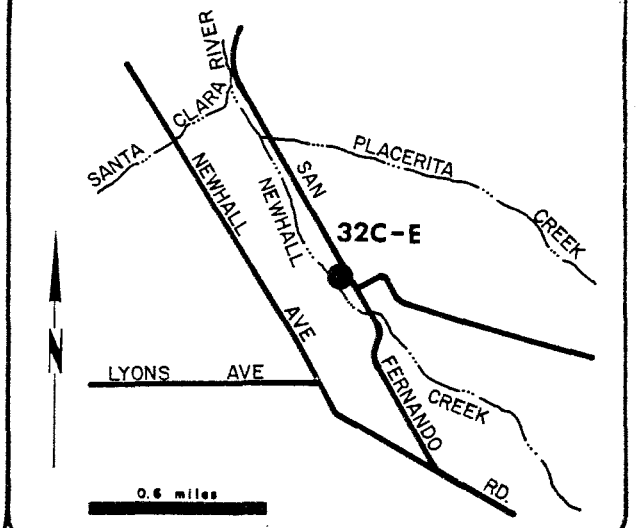
LATITUDE
34° 23' 07"

LONGITUDE
118° 31' 54"

ELEVATION
1243'

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

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



STATION NO. 32C-E
NEWHALL

SEASON RAINFALL

1927-28	10.45
1928-29	14.08
1929-30	10.60
1930-31	18.44**
1931-32	22.27
1932-33	16.83
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	12.43 B
1945-46	15.92 C
1946-47	16.46
1947-48	7.57
1948-49	9.50
1949-50	9.32
1950-51	6.97
1951-52	32.56
1952-53	11.06
1953-54	14.55
1954-55	14.34
1955-56	16.88
1956-57	13.42
1957-58	31.48
1958-59	9.73
1959-60	8.78
1960-61	7.05
1961-62	27.44
1962-63	10.47
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	21.12
1973-74	15.34
1974-75	15.77

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

768345-37- Cdb 12-71

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

SEASONAL RAINFALL AT Newhall-Soledad Division Headquarters **SEASON** 1974-75

Record Furnished by..... **Copied by**..... **Date Copied**.....

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1		.11										
2	.03											
3					1.95							
4			2.44		.20							
5						.32	.87					
6						2.60	.20					
7	.60					.15	.09					
8	.13					1.49	.01					
9					.34	.02	.78					
10					.08	.14	.24					
11						.04						
12							.13					
13						.01						
14						.12						
15							.20					
16						.02	T					
17									T			
18												
19												
20												
21		.01										
22						.23						
23												
24												
25						.01						
26												
27												
28	.24		1.27	.12								
29			.46									
30				.12								
31												
TOTAL	1.00	.12	4.17	.24	2.57	5.15	2.52	0	T	0	0	0

SEASON TOTAL 15.77

STATION NO. 33A-E
PACOIMA DAM

LOCATION
Mouth of Pacoima Canyon
below Pacoima Dam

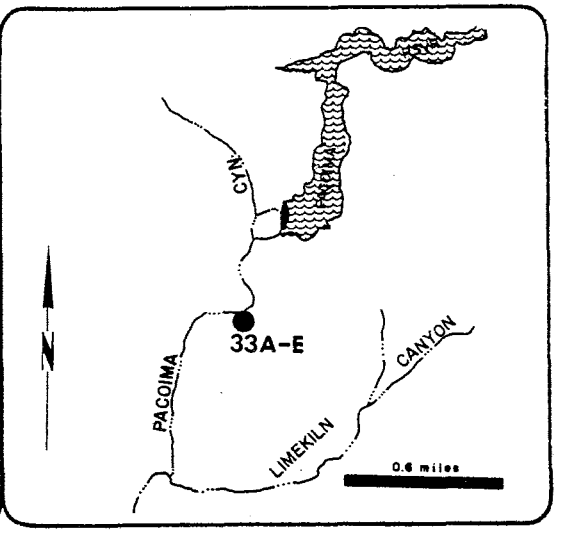
LATITUDE
34° 19' 48"

LONGITUDE
118° 23' 59"

ELEVATION
1500'

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

ADDITIONAL
INSTRUMENTATION
Max-Min Thermometer
Hygrothermograph
Evaporation pan



STATION NO. 33A-E
PACOIMA DAM

SEASON	RAINFALL	
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	12.99	C
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	32.65	A
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	12.81	
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	
1960-61	8.74	
1961-62	24.96	
1962-63	13.11	
1963-64	12.63	
1964-65	18.22	
1965-66	24.81	
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	27.84	
1973-74	16.91	
1974-75	16.72	

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

T6S345-5T- (6b 12-71

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

SEASONAL RAINFALL AT Pacoima Dam SEASON 1974-75

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1					.01		.09					
2		.07										
3					1.25							
4			1.82		.29							
5			.39		.38	.19	.16					
6						1.98	.77					
7						.28	.03					
8	.38			T		.79	.03					
9	.02			.02	.59	.26	.71					
10					.45	.19						
11					.01	.20	.13					
12						.01	.79					
13						T						
14					.10	.35						
15							.51					
16						.04	.09					
17						T						.10
18							T		.04			
19												
20								.12				
21								T				
22		.06				.75						
23												
24												
25						.04	.04					
26												
27												
28	.23		.60	.07								
29	.42		.65									
30	T											
31			.02	.20								
TOTAL	1.05	.13	3.48	.29	3.08	5.08	3.35	.12	.04	0	0	.10

SEASON TOTAL 16.72

STATION NO. 53D
COLBY'S

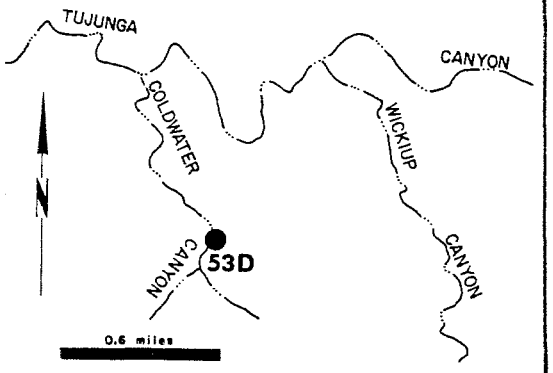
LOCATION
Residence: Coldwater Canyon one mile S. of Big Tujunga Cn. San Gabriel Mountains

LATITUDE
34° 18' 05"

LONGITUDE
118° 06' 39"

ELEVATION
3620'

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



STATION NO. 53D
COLBY'S

SEASON RAINFALL

1897-98	9.50**	1951-52	46.17
1898-99	8.13**	1952-53	12.94 D
1899-00	14.14**	1953-54	22.88
1900-01	32.85**	1954-55	18.65
1901-02	20.79**	1955-56	18.72
1902-03	40.80**	1956-57	19.30
1903-04	19.08**	1957-58	46.96
1904-05	41.09**	1958-59	14.89
1905-06	43.12**	1959-60	11.68
1906-07	48.69**	1960-61	11.24
1907-08	32.09**	1961-62	32.86
1908-09	31.59**	1962-63	16.79
1909-10	29.51**	1963-64	15.11
1910-11	49.29**	1964-65	20.32
1911-12	28.43**	1965-66	38.97
1912-13	27.81**	1966-67	43.86
1913-14	57.60**	1967-68	21.70
1914-15	34.10**	1968-69	66.56
1915-16	43.36**	1969-70	16.89
1916-17	27.24**	1970-71	22.58
1917-18	37.64**	1971-72	13.30
1918-19	20.90**	1972-73	32.74
1919-20	36.95**	1973-74	21.29
1920-21	37.10**	1974-75	20.44
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	44.31 A		
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		
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		

76S345-57- (5b 12 71

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

SEASONAL RAINFALL AT Colby's SEASON 1974-75

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1		.02					.07					
2		.07										
3					2.14							
4			2.78		.23							
5			.04		.07	.58	.49					
6						4.24	.71					
7	.52					.30	.27					
8	.01					1.23	.05					
9					.98	.04	.65					
10					.20	.48	.02					
11						.04	.13					
12												
13						.10						
14						.65	.09					
15							.19					
16						.08	T					
17							T					
18												
19												
20												
21												
22		.08				.55						
23												
24												
25						.03	.02					
26												
27												
28	.85		.89	.30								
29	.03		.14									
30				.08								
31												
TOTAL	1.41	.17	3.85	.38	3.62	8.32	2.69	0	0	0	0	0

SEASON TOTAL 20.44

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

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

LOCATION
Long Beach City Schools camp
Upper end of
San Gabriel Canyon—West Fork
on the north slope of Mt. Wilson

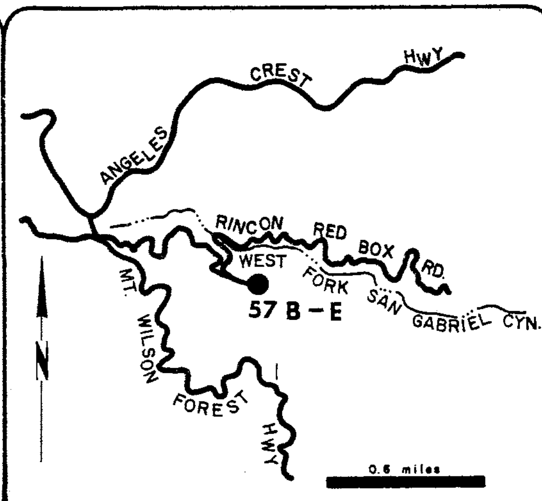
LATITUDE
34° 15' 18"

LONGITUDE
118° 05' 41"

ELEVATION
4248.4' (B.M.)

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
Hygrothermograph
snow depth pad



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

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	47.85
1932-33	30.18
1933-34	34.88
1934-35	53.07 B
1935-36	32.54
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
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

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

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

76S345—57— 4-8h (2-71)

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

SEASONAL RAINFALL AT Camp Hi Hill (Opid's) SEASON 1974-75

Record Furnished by .... Copied by .... Date Copied ....

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1		.01			.16		.12					
2		.21			.03							
3					2.77							
4			2.98		.65							
5			.11		.18	.56	1.56					
6						5.58	.66					
7	.47					.55	.26					
8	.11					2.35	.05			T		
9					1.69	.30	.85					
10					.43	.67	.32					
11						.26	.18					
12						.04						
13						.28						
14						.86	.06					
15						.03	.63					
16					T	.17	.03					.08
17						.02	.03					
18												
19									T			
20					T			.11				
21												
22		.17				.80						
23												
24												
25						.10	.11					
26												
27				.42								
28	.97		1.06	.20								
29	.03		.44									
30				.20								
31				.11		.05						
TOTAL	1.58	.39	4.59	.93	5.91	12.62	4.86	.11	T	T	0	.08

SEASON TOTAL 31.07

STATION NO. 60A
HOEGEE'S

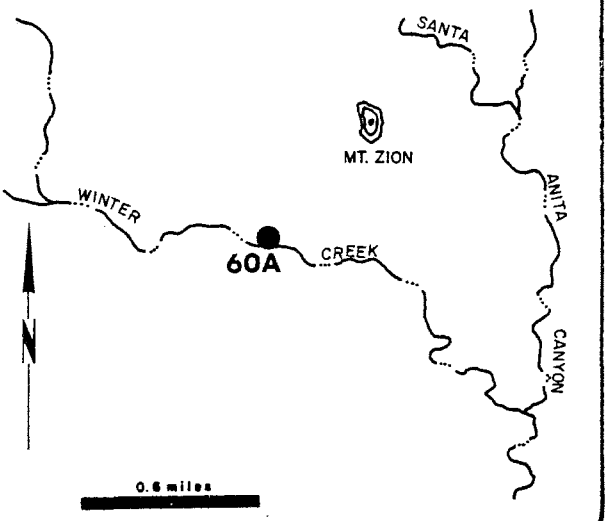
LOCATION
campground, Winter Creek
1.25 miles upstream from
Santa Anita Canyon

LATITUDE
34° 12' 32"

LONGITUDE
118° 02' 02"

ELEVATION
2412'

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



STATION NO. 60A
HOEGEE'S

SEASON RAINFALL

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	38.15 B
1936-37	59.29
1937-38	67.16 A
1938-39	38.67
1939-40	29.65**C
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	34.91
1974-75	27.71

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

76S345-57- C'db 12-71

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 60A
Foreign Station No. E5
Quad-Index No.

SEASONAL RAINFALL AT Hoegee's **SEASON** 1974-75
Record Furnished by **Copied by** **Date Copied**

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1		.09					.14					
2		.09										
3					2.02							
4			3.4		.48			.1				
5			.2		.10	.40	1.32					
6						3.43	.61					
7	.44					.71	.20					
8				.05		1.52	.10					
9					1.25	.20	.41					
10					.52	.81	.30					
11						.10	.91					
12												
13						.42						
14						.94	.11					
15							.56					
16						.18	.11					
17									.1			
18												
19									.1			
20								.4				
21												
22		.18				1.14						
23												
24												
25						.30	.11					
26												
27				.32								
28	1.07		.93	.10								
29	.09		.41									
30				.14								
31			.10									
TOTAL	1.60	.36	5.04	.61	4.37	10.15	4.88	.5	.2	0	0	0

SEASON TOTAL 27.71

STATION NO. 85G
Mt. BALDY

LOCATION
USFS Ranger Station
Mt. Baldy
San Gabriel Mountains

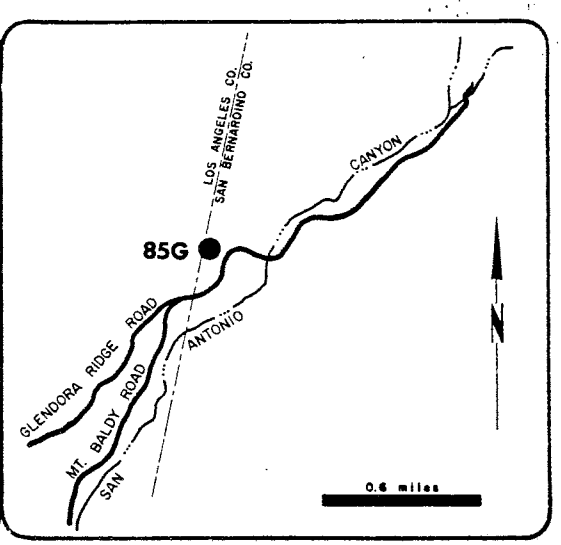
LATITUDE
34° 14' 12"

LONGITUDE
117° 39' 32"

ELEVATION
4275'

LENGTH OF RECORD
non-recording rain gage
11/5/20 to date
recording rain gage
11/11/27 to date

ADDITIONAL INSTRUMENTATION
max-min thermometer
cloud seeding generator



STATION NO. 85G
MT. BALDY GUARD STATION

SEASON	RAINFALL
1920-21	34.01
1921-22	66.57
1922-23	30.85
1923-24	19.82
1924-25	21.99
1925-26	38.29**
1926-27	39.42**
1927-28	21.41**B
1928-29	25.89
1929-30	27.63
1930-31	25.44**
1931-32	40.68
1932-33	20.41**
1933-34	23.35
1934-35	43.27
1935-36	27.99 C
1936-37	52.67 D
1937-38	57.35
1938-39	34.47
1939-40	24.20
1940-41	57.32
1941-42	23.05
1942-43	57.22
1943-44	43.26
1944-45	36.67**
1945-46	34.75**
1946-47	35.69**
1947-48	19.30
1948-49	28.38
1949-50	22.34
1950-51	11.73
1951-52	50.26
1952-53	18.01
1953-54	30.93
1954-55	21.06 F
1955-56	20.32
1956-57	20.99
1957-58	57.31 G
1958-59	20.04
1959-60	17.40
1960-61	12.89
1961-62	37.28
1962-63	21.88
1963-64	23.25
1964-65	25.29
1965-66	53.10
1966-67	56.06
1967-68	24.74
1968-69	88.80
1969-70	22.83
1970-71	24.73
1971-72	19.97
1972-73	41.60
1973-74	26.90
1974-75	27.05

B = STATION MOVED TO B LOCATION DECEMBER 1, 1927
C = STATION MOVED TO C LOCATION FEBRUARY 28, 1936
D = STATION MOVED TO D LOCATION JANUARY 26, 1937
F = STATION MOVED TO F LOCATION NOVEMBER 19, 1954
G = STATION MOVED TO G LOCATION AUGUST 7, 1958
** = ESTIMATED LESS THAN 10% OF THE TOTAL

768345-57- C6b 12-71

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 85G
Foreign Station No. E2
Quad-Index No.

SEASONAL RAINFALL AT Mount Baldy Guard Station **SEASON** 1974-75
Record Furnished by ..... **Copied by** ..... **Date Copied** .....

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1		T			T		.64					
2		.18										
3					1.59							
4			2.70		.49							
5			.86		.40	.02	.07					
6						4.81	1.47					
7	.02					.42	.42					.06
8	.08					1.28	.15					.05
9					.42	.54	1.09					.04
10					.85	.74						
11					.08	.53	.48					
12						.15	.28					
13						.91						
14						.16						
15					.01							
16						.08	.17					
17						.11	.09					
18							.06					
19												
20								.14				
21								.28				
22		.05				.42						
23						.15						
24												
25						T						
26						.22						
27	.05											
28	.48		.42	.13		T						
29	1.50		.32									
30	.17											
31				.22								
TOTAL	2.30	.23	4.30	.35	3.84	10.54	4.92	.42	0	0	0	.15

SEASON TOTAL 27.05

STATION NO. 106C
WHITTIER

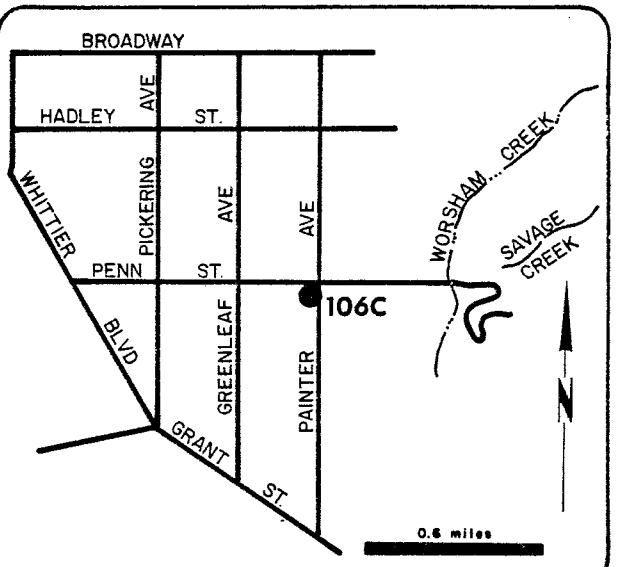
LOCATION
City Hall
13230 East Penn Street
west of Painter Street
Whittier

LATITUDE
33° 58' 27"

LONGITUDE
118° 01' 57"

ELEVATION
340'

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



STATION NO. 106C
WHITTIER

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	13.01 B
1954-55	11.47 C
1955-56	14.17
1956-57	9.93
1957-58	22.17
1958-59	6.54
1959-60	9.20 D
1960-61	5.03
1961-62	22.11
1962-63	11.54
1963-64	7.54
1964-65	13.49 DC
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

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

768345-57- C&b 12-71

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 106C
Foreign Station No. A1
Quad-Index No.

SEASONAL RAINFALL AT Whittier City Hall **SEASON** 1974-75
Record Furnished by **Copied by** **Date Copied**

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2												
3					1.60							
4			2.21		.24							
5			.13		.07	.21	.19					
6						.64	.18					
7	.04					.06	.12					
8						.83	.09					
9					1.22	.02	.43					T
10					.20	.23						
11						.04						
12												
13												
14					.04	.26						
15							.07					
16						.05	.02					
17									.05			
18												
19												
20								.11				
21												
22		.02				.76						
23						.02						
24												
25							.05					
26												
27												
28	.87		.57									
29	.03		.43									
30				.09								
31			.03	.03		.01						
TOTAL	.94	.02	3.37	.12	3.37	3.13	1.15	.11	.05	0	0	T

SEASON TOTAL 12.26

STATION NO. 130B
SANDBERG'S

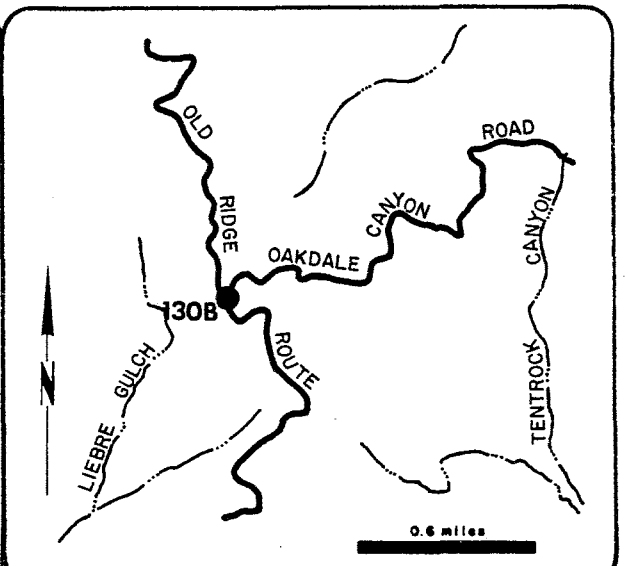
LOCATION
L.A. Co. F & FW Patrol Station
47376 Old Ridge Route
Lake Hughes

LATITUDE
34° 44' 37"

LONGITUDE
118° 42' 43"

ELEVATION
4025'

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



STATION NO. 130B
SANDBERG - QUAIL LAKE PATROL STATION

SEASON	RAINFALL
1927-28	11.02**
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	20.96 B
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

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

78S345-57- Cdb 12-71

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

SEASONAL RAINFALL AT Sandberg - Quail Lake Patrol Station SEASON 1974-75
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1		.02					T					
2	.07	.03			.10							
3		T			.95							
4			2.00		.15			T				
5			.23		.09	.25						
6						1.60	.82					
7	.10			.06		1.13	.41					
8	.45			.05		1.16				T		T
9				.02		.33	.58					
10				T	.36	.05	.16					
11				.02		.22	.22					
12						.09						
13												
14					.15	.29						
15					.03		.03					
16												
17						.35	.24					.05
18							.09					
19												
20					T			.01				
21			T					T				
22		.12				.11						
23		T				.12						
24												
25							T					
26						.11	.20					
27							.01					
28	.35		1.11									
29	.19		.38									
30			.25									
31												
TOTAL	1.16	.17	3.97	.15	1.83	5.81	2.76	.01	0	T	0	.05

SEASON TOTAL 15.91

STATION NO. 185
GLENDORA

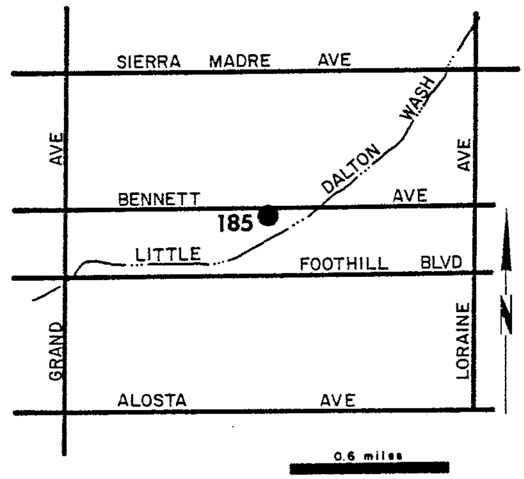
LOCATION
Residence:
460 East Bennett Avenue
Glendora

LATITUDE
34° 08' 23"

LONGITUDE
117° 51' 33"

ELEVATION
822'

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



STATION NO. 185
GLENDORA

SEASON	RAINFALL	SEASON	RAINFALL
1880-81	16.96	1936-37	34.23
1881-82	16.87	1937-38	31.69
1882-83	18.52	1938-39	20.81
1883-84	62.76	1939-40	17.03
1884-85	14.79	1940-41	40.54
1885-86	28.95	1941-42	13.51
1886-87	19.26	1942-43	29.95
1887-88	35.10	1943-44	24.44
1888-89	32.85	1944-45	21.22**
1889-90	49.89	1945-46	20.14
1890-91	26.69	1946-47	18.28
1891-92	20.71	1947-48	12.30**
1892-93	39.20	1948-49	14.14
1893-94	11.26	1949-50	16.19
1894-95	32.92	1950-51	10.95
1895-96	13.03	1951-52	33.42
1896-97	22.57	1952-53	13.21
1897-98	16.60	1953-54	19.46
1898-99	7.28	1954-55	15.28
1899-00	12.19	1955-56	20.04
1900-01	23.73	1956-57	16.23
1901-02	14.06	1957-58	34.99
1902-03	27.27	1958-59	10.23
1903-04	12.59	1959-60	11.49
1904-05	25.97	1960-61	7.68**
1905-06	27.03	1961-62	23.10
1906-07	33.07	1962-63	14.09
1907-08	20.24	1963-64	12.16
1908-09	27.20	1964-65	17.69
1909-10	20.21	1965-66	20.97
1910-11	29.12	1966-67	33.55
1911-12	15.61	1967-68	15.87
1912-13	13.89**	1968-69	39.26
1913-14	36.78	1969-70	14.93
1914-15	28.76	1970-71	14.59
1915-16	33.59	1971-72	9.85
1916-17	21.61	1972-73	24.30
1917-18	19.88	1973-74	18.25
1918-19	14.50**	1974-75	16.92
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**		
1930-31	15.71**		
1931-32	24.05**		
1932-33	12.50**		
1933-34	26.80		
1934-35	27.97**		
1935-36	18.52		

** = ESTIMATED LESS THAN 10% OF THE TOTAL

76S345-57- ... 12-71

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

SEASONAL RAINFALL AT Glendora - West SEASON 1974-75
Record Furnished by .... Copied by .... Date Copied ....

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1		T					.08					
2		.02										
3					1.68							
4			2.55		.22			.08				
5			.30		.19	.27	.23					
6						.99	.42					T
7	.10					.34	.28					
8	.10			.03		1.19	.11					
9				.01	.86	.04	.41					T
10					.51	.59	.10					.02
11						T	.01					
12												
13						.07						
14					.02	.52	.04					
15							.14					
16						.08	.01					T
17							.01		.19			
18								.02	.03			
19								T	T			
20								.50				
21												
22		.07				.62						
23												
24												
25						.28	.22					
26						.03						
27				T								
28	1.24		.56	T								
29	.03		.35									
30	.02			.12								
31	T		.02	T		T						
TOTAL	1.49	.09	3.78	.16	3.48	5.02	2.06	.60	.22	0	0	.02

SEASON TOTAL 16.92

STATION NO. 241-C
LONG BEACH

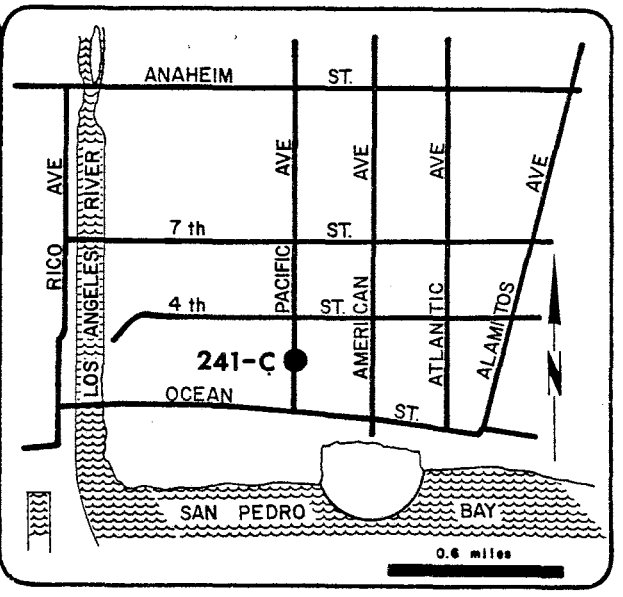
LOCATION
City Hall
205 East Broadway
Long Beach

LATITUDE
33° 46' 12"

LONGITUDE
118° 11' 32"

ELEVATION
116'

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



STATION NO. 241C
LONG BEACH

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	8.94
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	11.86 B
1947-48	5.87
1948-49	7.44
1949-50	8.93
1950-51	7.40
1951-52	17.57
1952-53	9.17
1953-54	12.09
1954-55	9.99
1955-56	11.19
1956-57	6.53
1957-58	20.52
1958-59	5.16
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	11.68
1967-68	10.93**
1968-69	17.79
1969-70	6.43
1970-71	8.84
1971-72	5.81
1972-73	12.68
1973-74	11.26
1974-75	12.31

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

76S845-57— C'db 12-71

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

SEASONAL RAINFALL AT Long Beach - City Hall **SEASON** 1974-75
Record Furnished by ..... **Copied by** ..... **Date Copied** .....

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1		.06										
2												
3					1.50							
4			2.67		.76							
5						.13						
6						.53	.52					
7	.04					.03						
8						.86	.10					
9					1.24		.43					
10						.16						
11						.13						
12						.21						
13						.10						
14												
15							.20					
16						.03	.10					
17							.19					
18												
19												
20												
21						.45						
22		T										
23												
24												
25						T						
26												
27												
28	.22		.96									
29	.04		.55									
30				.10								
31												
TOTAL	.30	.06	4.18	.10	3.50	2.63	1.54	0	0	0	0	0

SEASON TOTAL 12.31

STATION NO. 256C
POMONA

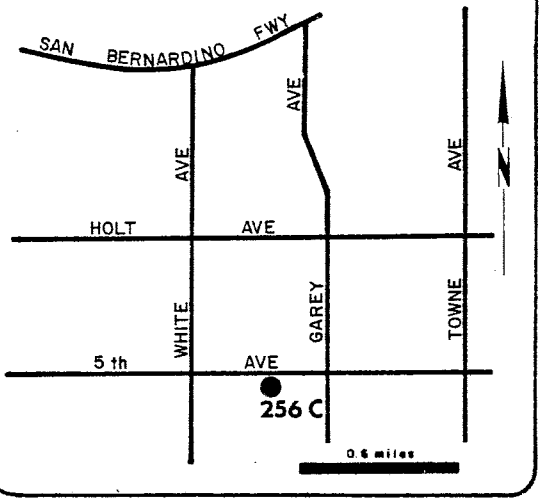
LOCATION
City of Pomona Fire Station
590 South Park Avenue
Pomona

LATITUDE
34° 03' 16"

LONGITUDE
117° 45' 10"

ELEVATION
844'

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



STATION NO. 256C
POMONA

SEASON RAINFALL

1882-83	INC.	1967-68	15.38
1883-84	39.46	1968-69	28.30
1884-85	10.55	1969-70	11.37
1885-86	23.84	1970-71	9.99
1886-87	12.01	1971-72	7.49
1887-88	21.09	1972-73	17.51
1888-89	22.69	1973-74	12.72
1889-90	30.07*	1974-75	11.87
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	33.97 B		
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		
1960-61	5.45		
1961-62	15.41**		
1962-63	12.65		
1963-64	9.49 C		
1964-65	13.92		
1965-66	15.94		
1966-67	22.34		

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

T6S345-57- (Rb 12-71

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

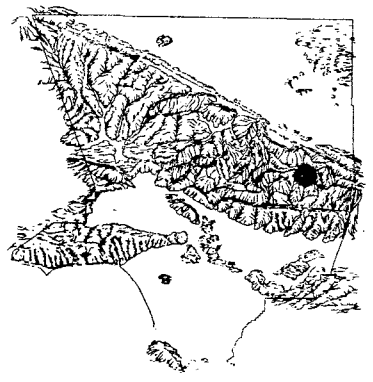
SEASONAL RAINFALL AT Pomona - Fire Station SEASON 1974-75

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1		.01					.03					
2												
3					1.10							
4			2.30		.44							
5			.80		.18	.03						
6						1.39	.32					
7						.19	.12					
8						.84	.02					
9				.01	.26							
10					.47	.02						
11					.12	.26						
12						.02						
13					.03							
14						.21						
15												
16							.08					
17							.18					
18							.01					
19												
20								.03				
21												
22		.03				.48						
23						.09						
24												
25												
26						.27						
27						.05						
28	.35		.40	.02								
29	.01		.60									
30												
31				.10								
TOTAL	.36	.04	4.10	.13	2.60	3.85	.76	.03	0	0	0	0

SEASON TOTAL 11.87

STATION NO. 283C
CRYSTAL LAKE



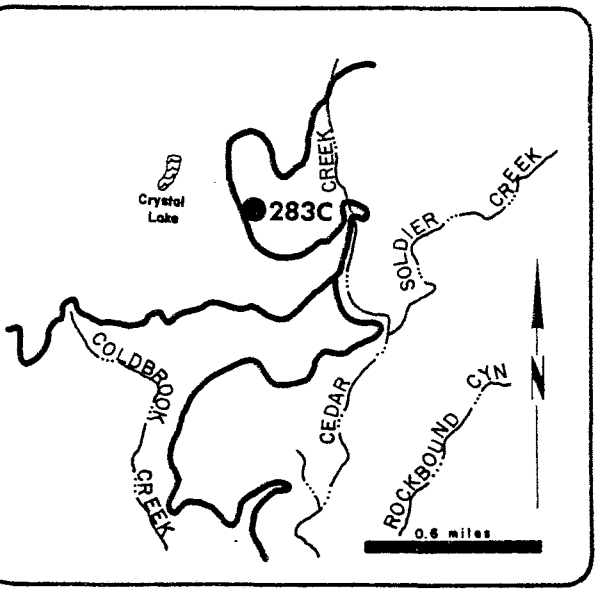
LOCATION
USFS Ranger Station
Crystal Lake, north of Azusa

LATITUDE
34° 19' 02"

LONGITUDE
117° 50' 28"

ELEVATION
5370'

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



STATION NO 283C
CRYSTAL LAKE

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	24.88 B
1950-51	15.25
1951-52	54.57
1952-53	20.25
1953-54	30.42
1954-55	27.73
1955-56	25.86
1956-57	30.24
1957-58	64.88**
1958-59	23.72
1959-60	17.89 C
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	40.76
1973-74	28.52
1974-75	26.76

78S345-57- Cdh 12-71

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

SEASONAL RAINFALL AT Crystal Lake SEASON 1974-75

Record Furnished by ..... Copied by ..... Date Copied .....

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1		.02		T			.18					
2		.22										
3					1.87							
4			3.32		.41							
5			.47		.21	.11	.03					
6						4.32	1.88					
7	.02					.65	.22					
8	.44					1.58	.06					
9					.48	.33	.73					.02
10					.79	.50						
11					.01	.52	.64					
12						.06	.10					
13						T						
14						1.03						
15							.28					
16						.07	.28					
17							.12					.07
18								T				
19								.07				
20								.08				
21												
22		.15				.48						
23			.01			.01						
24												
25						.02	.03					
26						.15	.03					
27	.10					T						
28	.54		.78	.60								
29	.40		.61							.27		
30	.11											
31	T		.06	.22								
TOTAL	1.61	.39	5.25	.82	3.77	9.83	4.58	.15	0	.27	0	.09

SEASON TOTAL 26.76

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. 321-E
PINE CANYON

LOCATION
L.A. County
F. & F.W. Patrol Station
17021 E. Elizabeth Lake Rd.
Lake Hughes-Elizabeth Lake

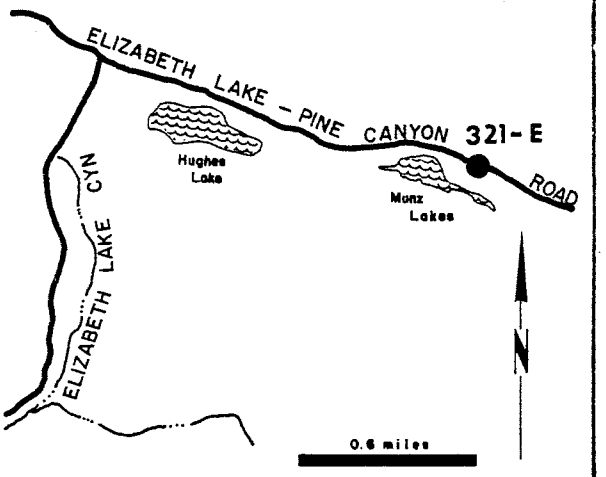
LATITUDE
34° 40' 24"

LONGITUDE
118° 25' 45"

ELEVATION
3286'

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
Evoporation pan



STATION NO. 321-E
PINE CANYON PATROL STATION

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

INC = INCOMPLETE

765345-57- Cdb 12-71

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

SEASONAL RAINFALL AT Pine Canyon Patrol Station SEASON 1974-75

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1					.02		.11					
2					.05							
3					1.93							
4			2.25		.18							
5						.62	1.42	.01				
6						2.00	.30					
7	.54						.02					
8	.29			.02		.82						.02
9					.45	.01	1.10					
10					.13	.17	.01					
11						.10	.07					
12												
13						.06						
14					.04	.62	.03					
15							.32					
16						.10	.03					.20
17												
18												
19												
20								.06				
21								T				
22		.08				.35						
23												
24												
25						.01	.01					
26												
27				.01								
28	.43		.71									
29			.72									
30				.02								
31			.25			.06						
TOTAL	1.26	.08	3.93	.05	2.80	4.92	3.42	.07	0	0	0	.22

SEASON TOTAL 16.75

STATION NO. 338B
Mt. WILSON

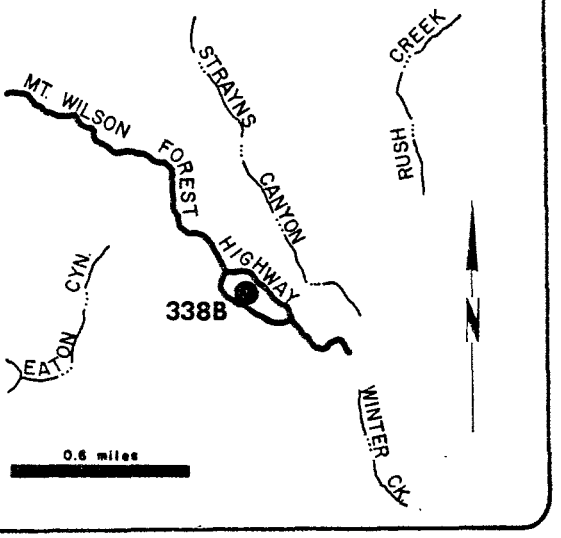
LOCATION
Mt. Wilson Post Office
one-half mile east
of Observatory
Mt. Wilson

LATITUDE
34° 13' 36"

LONGITUDE
118° 03' 57"

ELEVATION
5709'

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



STATION NO. 338B
MT. WILSON

SEASON	RAINFALL
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	25.95
1955-56	24.42
1956-57	22.92
1957-58	45.91
1958-59	13.61
1959-60	13.65
1960-61	11.98
1961-62	37.20
1962-63	20.54
1963-64	16.94
1964-65	32.04
1965-66	46.18
1966-67	51.44
1967-68	22.43
1968-69	66.41
1969-70	20.04
1970-71	25.70**
1971-72	14.12
1972-73	47.81
1973-74	43.18
1974-75	34.17

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

76S345-37- Cdb 12-71

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

SEASONAL RAINFALL AT Mount Wilson - Airways SEASON 1974-75

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1					.03		.10					
2		.17			.37							
3			.28		2.37							
4			3.30		.54			T				
5					T	1.98	.92					
6						3.73	1.73					T
7	.57					1.27	.10					
8	T			T		2.93	.46					T
9					1.25	.25	.59					
10					.52	.58	.58					
11						.18	.08					T
12												
13						.85						
14					T	.42	.14					
15							.52					
16					T	.17	T					.04
17							T					
18									.01			
19								T	.01			
20								.30				
21		.18										
22		.08				1.29						
23												
24												
25						.22	.22					
26												
27				.54								
28	1.36		1.99									
29	.06		.43									
30				.29								
31			.08	T		.09						
TOTAL	1.99	.43	6.08	.83	5.08	13.96	5.44	.30	.02	0	0	.04

SEASON TOTAL 34.17

STATION NO 425B-E
SAN GABRIEL DAM

LOCATION
Crest of San Gabriel Dam
Crest of Spillway
northeast of Azusa

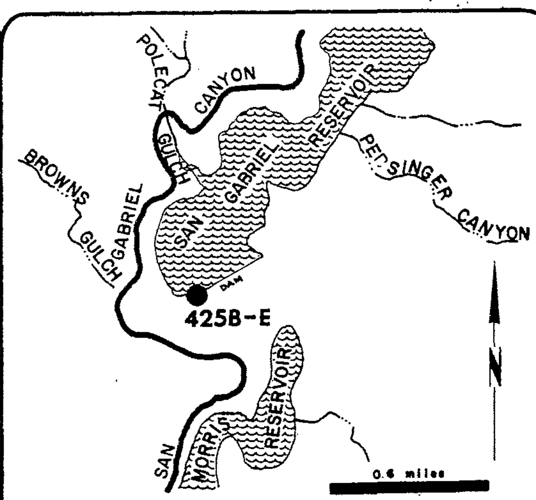
LATITUDE
34° 12' 19"

LONGITUDE
117° 51' 38"

ELEVATION
1481'

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
Thermograph



STATION NO. 425B-E
SAN GABRIEL DAM

SEASON	RAINFALL
1937-38	44.33
1938-39	29.41
1939-40	20.11
1940-41	53.46
1941-42	17.59
1942-43	47.56 B
1943-44	33.23
1944-45	28.89
1945-46	28.88
1946-47	29.31
1947-48	13.88
1948-49	16.10
1949-50	20.61
1950-51	12.69
1951-52	49.19
1952-53	16.71
1953-54	25.60
1954-55	19.88
1955-56	24.32
1956-57	21.82
1957-58	45.95
1958-59	15.82
1959-60	14.24
1960-61	11.57
1961-62	33.73
1962-63	17.37
1963-64	15.73
1964-65	22.32
1965-66	39.56
1966-67	47.42
1967-68	19.04
1968-69	65.09
1969-70	20.35
1970-71	21.16
1971-72	13.15
1972-73	36.24
1973-74	25.33
1974-75	21.80

B = STATION MOVED TO B LOCATION JUNE 20, 1943

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

76S46-57- Cdb 12-71

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

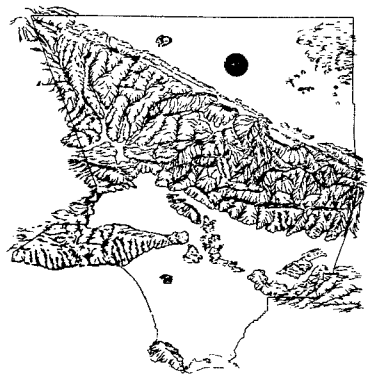
Station No. 425B-E
Foreign Station No. ....
Quad-Index No. 54-39

SEASONAL RAINFALL AT San Gabriel Dam SEASON 1974-75
Record Furnished by .... Copied by .... Date Copied ....

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	T	T					.12					
2		.02										
3		T			1.45							
4			3.10		.33			.06				
5			.16		.42	.09	T					
6					T	2.81	1.09					
7	T					.50	.18					
8	.25			.02		1.21	.06					T
9				.01	.51	.26	.51					T
10					1.09	.59						
11					.05	.41	.54					
12						.02	.01					
13					T	T						
14						1.06						
15							.16					
16						.07	.12		T			T
17					.01	.03	.02		.03			
18									.03			
19								.14	.01			
20								.26				
21								.01				
22		.05				.74						
23						.07						
24												
25						.03	.13					
26						.21						
27												
28	.31		.66	.08								
29	.92		.54									
30	.02											
31			.04	.18								
TOTAL	1.50	.07	4.50	.29	3.86	8.10	2.94	.47	.07	0	0	T

SEASON TOTAL 21.80

STATION NO. 455B
LANCASTER



LOCATION
State Highway
Maintenance Station
44023 Sierra Highway
one mile south of Lancaster

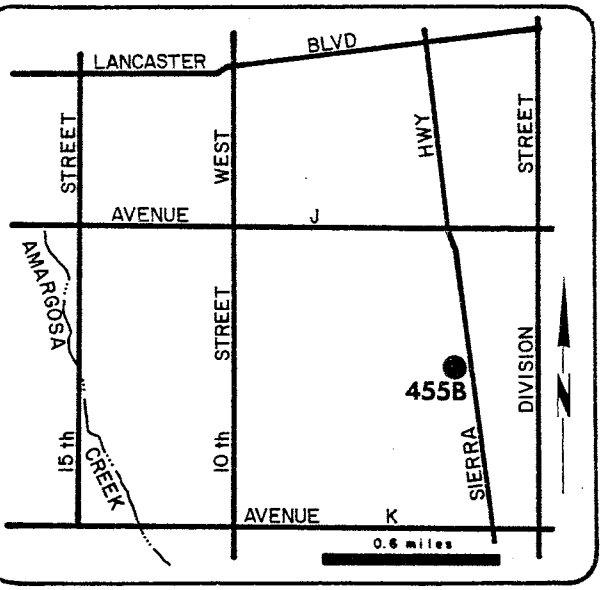
LATITUDE
34° 40' 57"

LONGITUDE
118° 08' 02"

ELEVATION
2395'

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

ADDITIONAL
INSTRUMENTATION
Max-Min Thermometer



STATION NO. 455B
LANCASTER

SEASON	RAINFALL
1940-41	18.66
1941-42	6.05
1942-43	9.91
1943-44	17.58
1944-45	7.67
1945-46	7.12
1946-47	7.79
1947-48	3.92
1948-49	5.86
1949-50	4.22
1950-51	2.30
1951-52	12.97
1952-53	3.72**
1953-54	6.37
1954-55	5.26
1955-56	4.03
1956-57	5.41
1957-58	12.05
1958-59	2.77
1959-60	3.87
1960-61	1.93**B
1961-62	7.82
1962-63	4.92
1963-64	3.60**
1964-65	4.98
1965-66	7.72
1966-67	6.13
1967-68	6.04
1968-69	7.32
1969-70	2.29
1970-71	5.87
1971-72	3.46
1972-73	6.04
1973-74	5.37
1974-75	3.77

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

765345-67- Cdb 12-71

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

SEASONAL RAINFALL AT Lancaster - State Highway Maint. Sta. **SEASON** 1974-75
Record Furnished by **Copied by** **Date Copied**

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2												
3					.32							
4			1.00		.10							
5					.05	.05						
6						.32						
7	.58					.11						
8												
9							.73					
10						.27	.02					
11												
12												
13												
14												
15												
16												.07
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28	.06											
29	.09											
30												
31												
TOTAL	.73	0	1.00	0	.47	.75	.75	0	0	0	0	.07

SEASON TOTAL 3.77

STATION NO. 478
VALYERMO

LOCATION
USFS Ranger Station
Pearblossom Highway
Valyermo

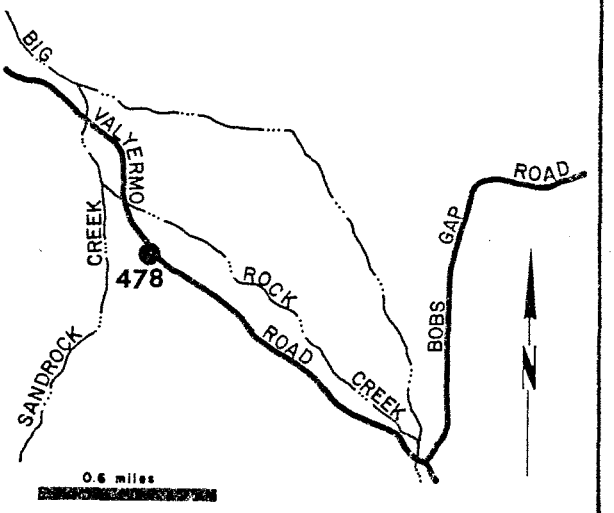
LATITUDE
34° 26' 44"

LONGITUDE
117° 51" 10"

ELEVATION
3710'

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

ADDITIONAL
INSTRUMENTATION
Max-Min Thermometer



STATION NO. 478
VALYERMO

SEASON	RAINFALL
1941-42	INC.
1942-43	18.12
1943-44	21.44**
1944-45	10.52**
1945-46	9.76
1946-47	10.63
1947-48	6.85
1948-49	6.19
1949-50	4.61
1950-51	3.79
1951-52	15.52
1952-53	7.77
1953-54	9.74**
1954-55	8.42
1955-56	6.63
1956-57	7.80
1957-58	15.65
1958-59	6.88
1959-60	4.73
1960-61	4.12
1961-62	12.82
1962-63	7.85
1963-64	5.02
1964-65	7.99
1965-66	15.90
1966-67	10.09
1967-68	9.65
1968-69	19.49
1969-70	6.86
1970-71	9.83
1971-72	6.44
1972-73	9.67
1973-74	5.49
1974-75	6.02

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

78S345-57-- C6b 12 71

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

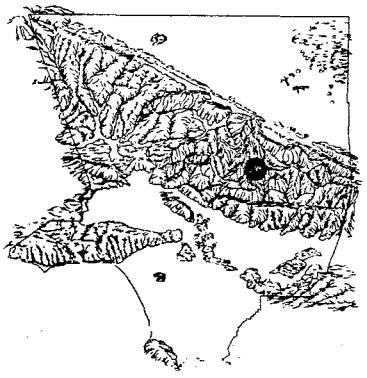
SEASONAL RAINFALL AT Valyermo - USFS Headquarters SEASON 1974-75

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2												
3					.78							
4			1.80									
5						.36						
6						.84	.03					
7	.18											
8	.47					.09						
9					.10		.33					
10						.27						
11							.06					
12							.11					
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28	.01											
29	.09											
30												
31			.50									
TOTAL	.75	0	2.30	0	.88	1.56	.53	0	0	0	0	0

SEASON TOTAL 6.02

STATION NO. 492A
CHILAO



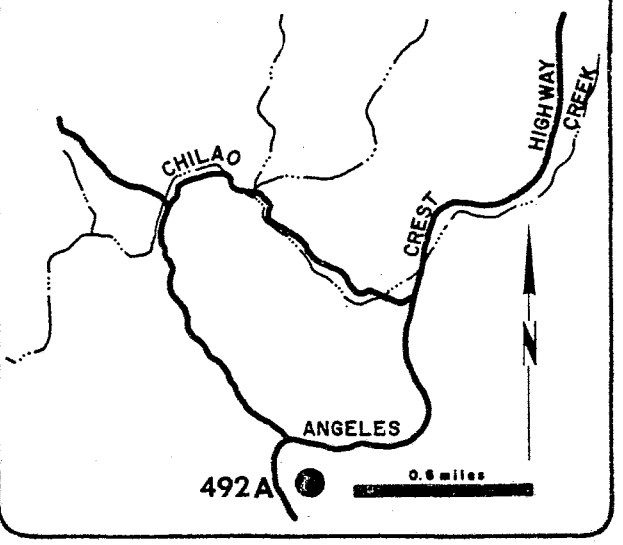
LOCATION
Devils Canyon
San Gabriel River
West Fork

LATITUDE
34° 19' 02"

LONGITUDE
118° 00' 30"

ELEVATION
5280'

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



STATION NO. 492A
CHILAO - STATE HIGHWAY MAINTENANCE STATION

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	23.40

** = ESTIMATED LESS THAN 10% OF THE TOTAL

76S345-57- Cdb 12-71

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

SEASONAL RAINFALL AT Chilao - State Highway Maint. Station SEASON 1974-75

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2		.1										
3			.1		1.5							
4		.1	3.3		.3							
5			.1		.1	.8	.9					
6				.1		3.6	.4					
7	1.5					.6	.1					
8	.6					1.5	.5					.2
9				.1	.8	.1	.3					
10					.2	.4	.3					
11							.2					
12						.1						
13						.1						
14						.5						
15							.3					
16												
17							.2					
18												
19												
20												
21		.1										
22						.3						
23												
24												
25						.1						
26												
27				.3								
28	1.0		1.0	.1								
29	.1		.2									
30				.1								
31				.1								
TOTAL	3.2	.3	4.7	.8	2.9	8.1	3.2	0	0	0	0	.2

SEASON TOTAL 23.4

REMARKS:

STATION NO. 610B
PASADENA

LOCATION
City Hall
Intersection of Garfield Avenue
and Ramona Street
Pasadena

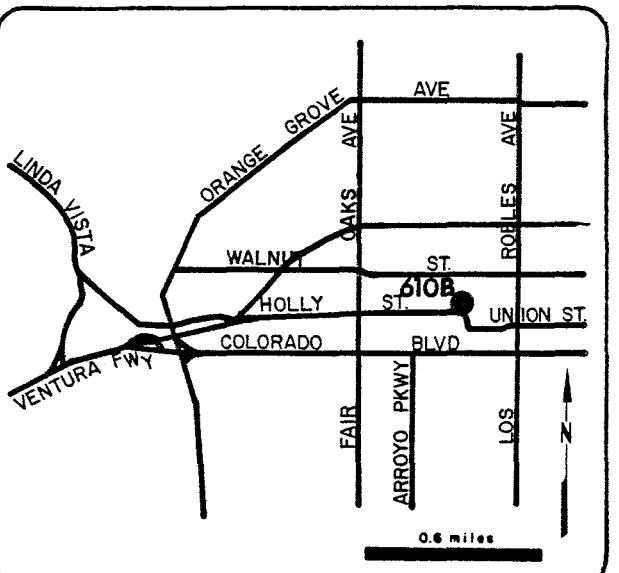
LATITUDE
34° 08' 54"

LONGITUDE
118° 08' 36"

ELEVATION
864'

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

ADDITIONAL
INSTRUMENTATION
Max-Min Thermometer



STATION NO. 610B
PASADENA

SEASON	RAINFALL
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	26.98 B
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

B = STATION MOVED TO LOCATION B SEPTEMBER 3, 1935

76S345-57- Cdb 12-71

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 610B
Foreign Station No.
Quad-Index No. 40-55

SEASONAL RAINFALL AT Pasadena - City Hall SEASON 1974-75

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1							.06					
2												
3					1.63							
4	T		2.71		.18							
5			.07		.02	.36	.28					
6						2.41	.51					
7	.12					.25	.22					
8	.05			.01		.95	.01					
9					.56	.11	.37					
10					.22	.41	.02					.01
11						.02						
12						.01						
13						.17						
14					.01	.43						
15							.17					
16						.09	T					
17							T					
18									.02			
19									.01			
20								.15				
21												
22		.02				.61						
23												
24												
25						.15	.04					
26												
27				.02								
28	.75		.58	.02								
29	T		.63									
30				.05								
31			T			T						
TOTAL	.92	.02	3.99	.10	2.62	5.97	1.68	.15	.03	0	0	.01

SEASON TOTAL 15.49

STATION NO. 634C
SANTA MONICA

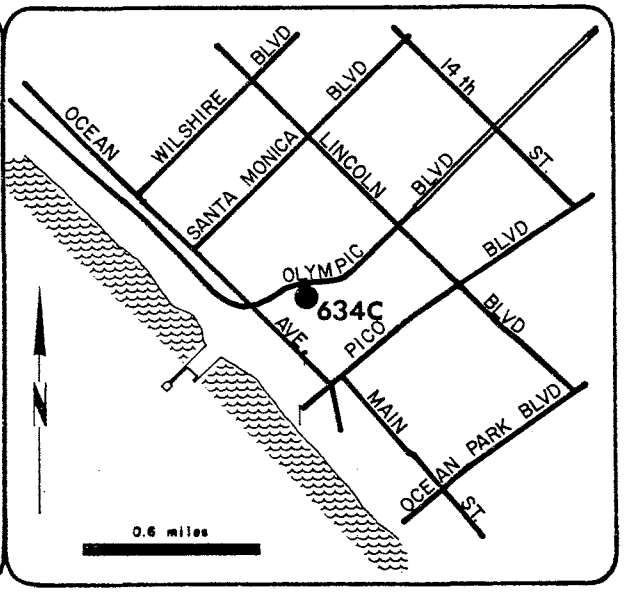
LOCATION
City Hall
1685 Main Street
Santa Monica

LATITUDE
32° 00' 43"

LONGITUDE
118° 29' 27"

ELEVATION
94'

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



STATION NO. 634C
SANTA MONICA

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	17.76
1939-40	15.89 B
1940-41	32.49
1941-42	12.07
1942-43	16.16
1943-44	18.30
1944-45	13.10
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	23.05 C
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

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

765345-57- Cdb 12-71

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

SEASONAL RAINFALL AT Santa Monica **SEASON** 1974-75
Record Furnished by **Copied by** **Date Copied**

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2					1.71							
3					.01							
4			2.15		.38		T					
5					.02	.25	.50					
6						.43	.11					
7	.15						T					
8	.01			T		1.34	.09			T		
9						.14	.25					
10					1.36	.08						.02
11					.03	.20						
12												
13						.01						
14						.19						
15							.10					
16						.08			T			.08
17							.01			T		
18												
19								T	.01			
20								T				
21		T									T	
22						.49				T		
23						.03						
24										T		
25						T	.04					
26												
27				T								
28	.46		.71									
29			.83									
30			.04	.01								
31	T					.01						
TOTAL	.62	T	3.73	.01	3.51	3.25	1.10	T	.01	T	T	.10

SEASON TOTAL 12.33

STATION NO. 716
LOS ANGELES - DUCOMMUN ST.

LOCATION
Los Angeles DWP Service Yard
410 Ducommon Street
Los Angeles

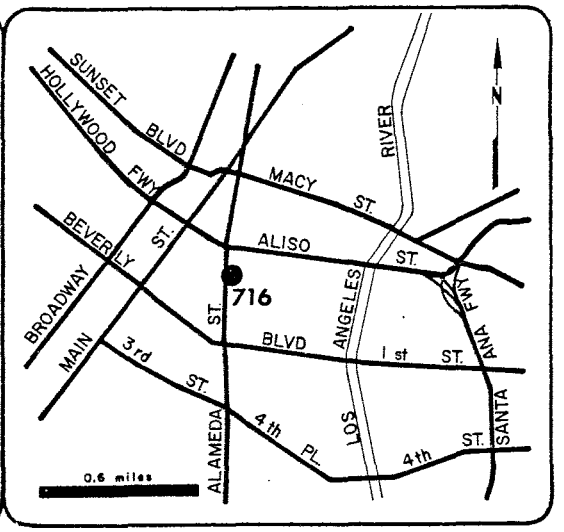
LATITUDE
34° 03' 09"

LONGITUDE
118° 14' 13"

ELEVATION
306'

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

ADDITIONAL INSTRUMENTATION
Max-Min Thermometer



STATION NO. 716
LOS ANGELES - DUCOMMUN ST.

SEASON	RAINFALL		SEASON	RAINFALL	
1871-72	INC.	A	1927-28	9.77	
1872-73	14.84		1928-29	12.98	
1873-74	23.78		1929-30	11.21	
1874-75	18.93		1930-31	12.78	
1875-76	26.07		1931-32	16.83	
1876-77	5.54	B	1932-33	11.75	
1877-78	21.26		1933-34	14.68	
1878-79	11.35		1934-35	21.63	
1879-80	20.34		1935-36	12.02	
1880-81	13.13	C	1936-37	22.35	
1881-82	10.40		1937-38	23.44	
1882-83	12.11		1938-39	18.74	
1883-84	38.18		1939-40	13.54	
1884-85	9.21		1940-41	35.60	
1885-86	22.76		1941-42	11.80	
1886-87	13.82		1942-43	19.68	
1887-88	13.76		1943-44	18.78	
1888-89	19.78	D	1944-45	10.78	
1889-90	34.32		1945-46	11.07	
1890-91	13.33		1946-47	13.08	
1891-92	11.80		1947-48	7.00	
1892-93	26.27		1948-49	7.73	
1893-94	7.47		1949-50	10.65	
1894-95	15.37		1950-51	7.47	
1895-96	8.54		1951-52	26.98	
1896-97	16.83		1952-53	9.76	G
1897-98	7.15		1953-54	13.07	
1898-99	5.51		1954-55	12.79	
1899-00	7.90		1955-56	18.17	
1900-01	16.41		1956-57	10.66	
1901-02	10.48		1957-58	23.37**	
1902-03	19.75	E	1958-59	6.13	
1903-04	8.74		1959-60	9.37	H
1904-05	19.07		1960-61	5.59	
1905-06	18.75		1961-62	21.46	
1906-07	19.20		1962-63	10.88	
1907-08	13.02	F	1963-64	7.12	
1908-09	17.92		1964-65	15.57	
1909-10	12.64		1965-66	18.92	
1910-11	17.36		1966-67	22.84	
1911-12	10.37		1967-68	15.71	
1912-13	13.45		1968-69	27.81	
1913-14	23.63		1969-70	7.77	
1914-15	17.04		1970-71	12.09	
1915-16	20.69		1971-72	7.43	
1916-17	14.49		1972-73	21.16	
1917-18	14.53		1973-74	14.98	
1918-19	9.20		1974-75	14.34	
1919-20	11.27				
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				

765345-57- C'db 12-71

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

SEASONAL RAINFALL AT Los Angeles - Ducommun Street **SEASON** 1974-75

Record Furnished by **Copied by** **Date Copied**

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1							T					
2												
3					1.86							
4			2.28		.31							
5			.07		.09	.12	.01					
6						1.47	.57					
7	.14					.31	.22					
8	.02					.90	.04					
9					.60	.07	.46					
10					.56	.05						
11					.14	.30						
12						.01						
13						.02						
14						.25						
15							.21					
16						.09	.02					
17												
18												
19												
20								.01				
21								.08				
22		.08				1.11						
23												
24												
25						.04	.02					
26						T						
27												
28	.30		.70	.07								
29	.13		.55									
30												
31	T		.01	.05								
TOTAL	.59	.08	3.61	.12	3.56	4.74	1.55	.09	0	0	0	0

SEASON TOTAL 14.34

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

ICEHOUSE NO 4 SNOW COURSE

LOCATION

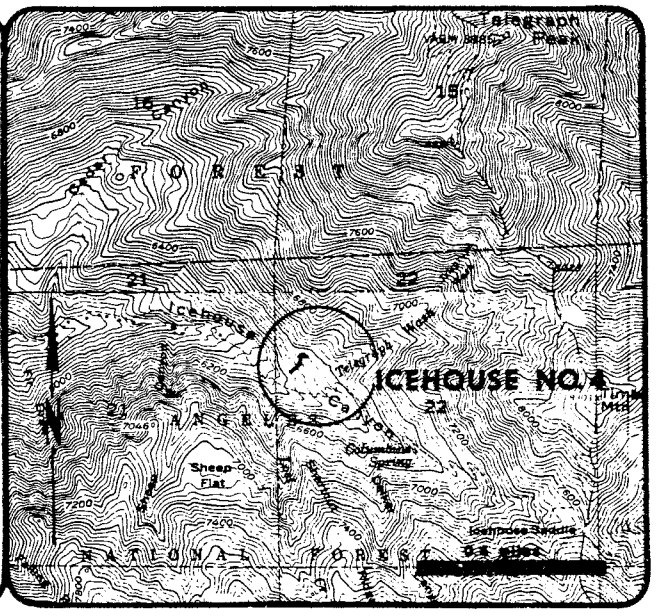
5 miles northeast of
Mt. Baldy Ranger Station
Icehouse Canyon
southern exposure

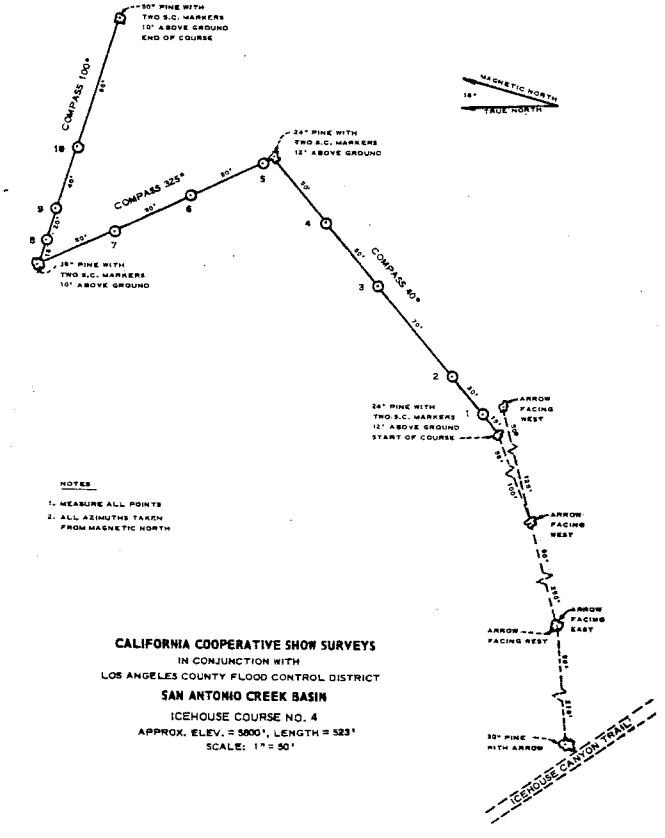
ELEVATION
6300'

LENGTH OF COURSE
523'

DRAINAGE AREA
San Antonio Creek

PERIOD OF RECORD
April 1, 1955, to date





SUMMARY OF ANNUAL SNOW SURVEY DATA - ICE HOUSE NO 4

SEASON	AVERAGE SNOW DEPTH (IN INCHES)	AVERAGE WATER CONTENT (IN INCHES)	DENSITY (PERCENT)
1954-55	0	0	
1955-56	5.4	1.8	33
1956-57	0	0	
1957-58	16.5	7.1	43
1958-59	0	0	
1959-60	0	0	
1960-61	0	0	
1961-62	0	0	
1962-63	0	0	
1963-64	0	0	
1964-65	NO RECORD		
1965-66	0	0	
1966-67	3.4	1.3	38
1967-68	0	0	
1968-69	12.4	5.1	41
1969-70	0	0	
1970-71	0	0	
1971-72	0	0	
1972-73	15.2	6.0	32
1973-74	0	0	0
1974-75	2.5	0.8	32

MANKER FLAT SNOW COURSE

LOCATION

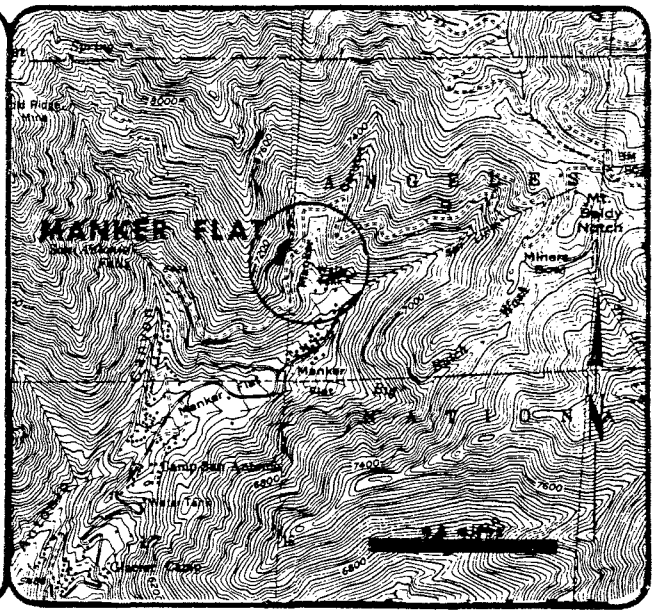
200 feet west of base of Mt. Baldy Ski Lift
San Gabriel Mountains
southern exposure

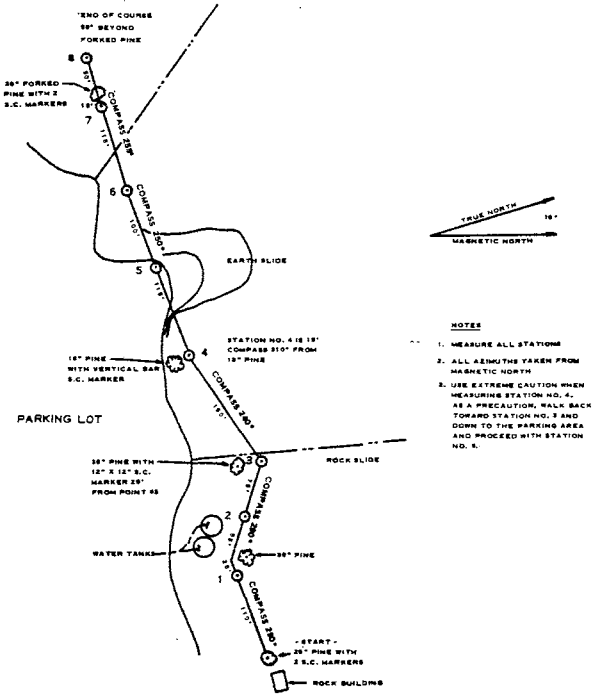
ELEVATION
6500'

LENGTH OF COURSE
815'

DRAINAGE AREA
San Antonio Creek

PERIOD OF RECORD
April 1, 1955, to date





CALIFORNIA COOPERATIVE SNOW SURVEYS
IN CONJUNCTION WITH
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SAN ANTONIO CREEK BASIN
MANKER FLAT COURSE
APPROX. ELEV. = 6800', TOTAL LENGTH 815'
SCALE: 1" = 100'

SUMMARY OF ANNUAL SNOW SURVEY DATA - MANKER FLAT

SEASON	AVERAGE SNOW DEPTH (IN INCHES)	AVERAGE WATER CONTENT (IN INCHES)	DENSITY (PERCENT)
1954-55	0	0	
1955-56	+	+	
1956-57	0	0	
1957-58	14.0	7.3	52
1958-59	0	0	
1959-60	0	0	
1960-61	0	0	
1961-62	0	0	
1962-63	0	0	
1963-64	4.1	1.9	46
1964-65	20.6	5.8	28
1965-66	0	0	
1966-67	2.4	0.7	29
1967-68	0	0	
1968-69	0	0	
1969-70	0	0	
1970-71	0	0	
1971-72	0	0	
1972-73	17.8	7.4	41
1973-74	0	0	0
1974-75	0	0	0

\+ = PATCHES OF SNOW

LOWER THUNDER MTN. SNOW COURSE

LOCATION

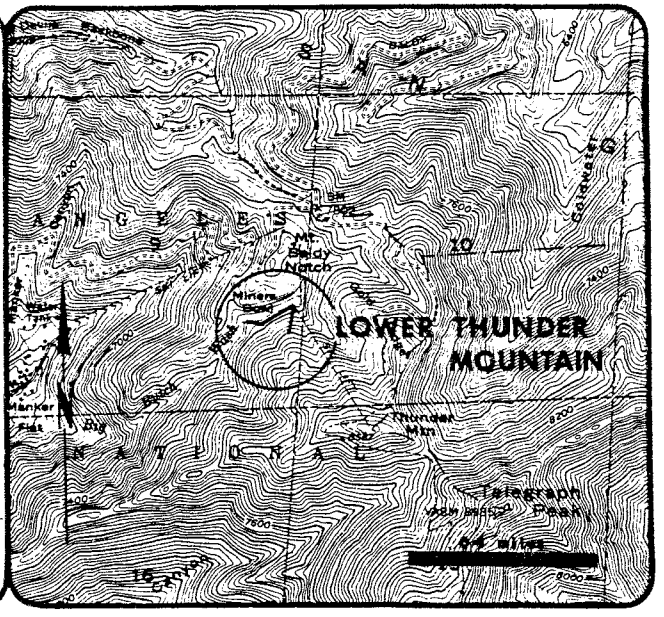
Just west of base of Thunder Mountain Chair Lift
Mt. Baldy
San Gabriel Mountains
northern exposure

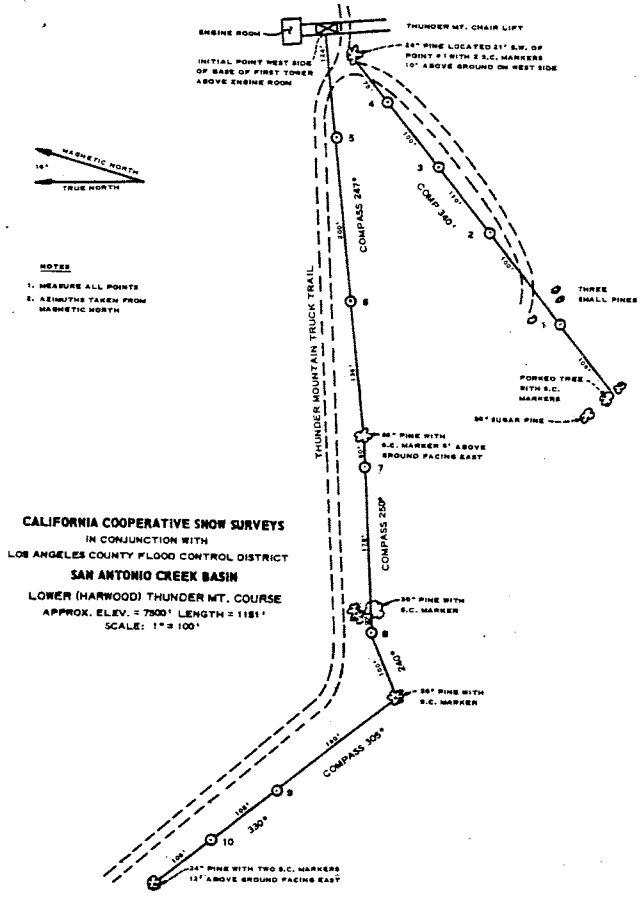
ELEVATION
7500'

LENGTH OF COURSE
1181'

DRAINAGE AREA
San Antonio Creek

PERIOD OF RECORD
April 1, 1955, to date





SUMMARY OF ANNUAL SNOW SURVEY DATA - LOWER THUNDER MOUNTAIN

SEASON	AVERAGE SNOW DEPTH (IN INCHES)	AVERAGE WATER CONTENT (IN INCHES)	DENSITY (PERCENT)
1954-55	1.1	0.5	45
1955-56	7.6	2.3	30
1956-57	0.3	0.1	33
1957-58	62.5	28.3	45
1958-59	1.8	0.7	39
1959-60	4.8	2.3	48
1960-61	0	0	
1961-62	25.5	11.8	46
1962-63	2.5	0.9	36
1963-64	12.2	5.2	43
1964-65	28.3	5.8	20
1965-66	1.6	0.8	50
1966-67	20.6	6.4	31
1967-68	5.9	2.7	46
1968-69	46.8	24.0	51
1969-70	9.5	3.8	40
1970-71	8.6	4.4	51
1971-72	+	+	
1972-73	90.0	38.9	43
1973-74	17.0	7.7	45
1974-75	23.4	10.0	43

+ = PATCHES OF SNOW

UPPER THUNDER MTN. SNOW COURSE

LOCATION

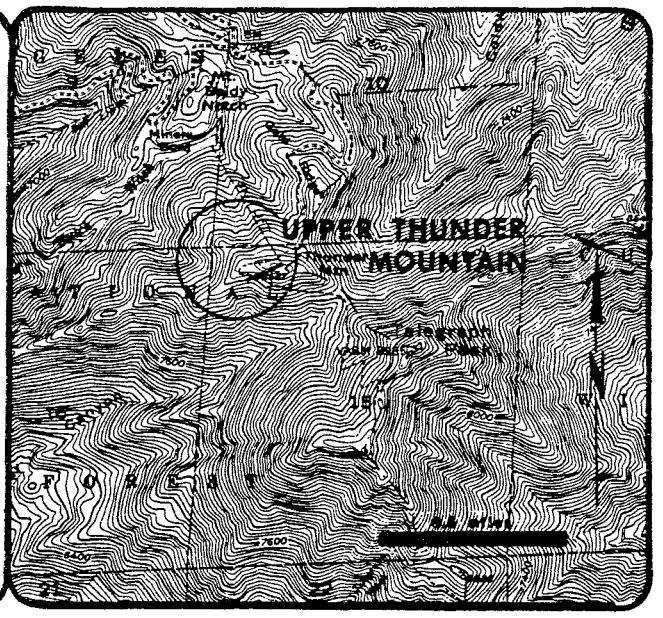
Just west of upper end of Thunder Mountain Chair Lift
Mt. Baldy
San Gabriel Mountains
northern exposure

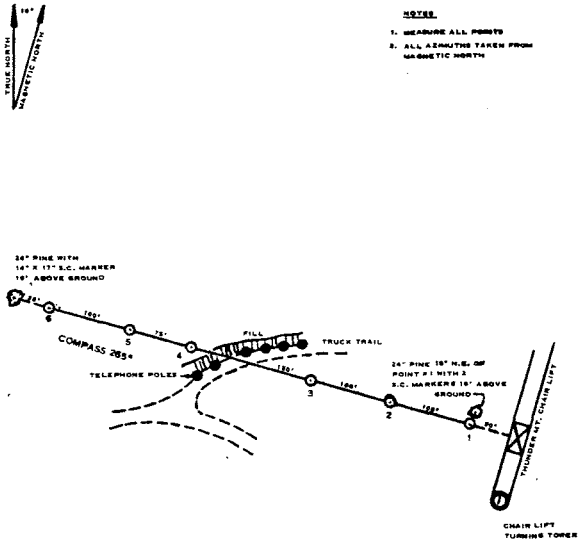
ELEVATION
8500'

LENGTH OF COURSE
665'

DRAINAGE AREA
San Antonio Creek

PERIOD OF RECORD
April 1, 1955, to date





CALIFORNIA COOPERATIVE SNOW SURVEYS
IN CONJUNCTION WITH
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SAN ANTONIO CREEK BASIN
UPPER (HARWOOD) THUNDER MT. COURSE
APPROX. ELEV. = 8600', LENGTH = 665'
SCALE: 1" = 100'

SUMMARY OF ANNUAL SNOW SURVEY DATA - UPPER THUNDER MOUNTAIN

SEASON	AVERAGE SNOW DEPTH (IN INCHES)	AVERAGE WATER CONTENT (IN INCHES)	DENSITY (PERCENT)
1954-55	13.0	5.8	45
1955-56	23.0	7.6	33
1956-57	20.1	9.5	47
1957-58	128.0	48.0	38
1958-59	29.9	14.1	47
1959-60	8.7	3.1	36
1960-61	0	0	
1961-62	82.1	40.7	50
1962-63	19.8	8.3	42
1963-64	31.3	12.7	44
1964-65	47.3	11.5	24
1965-66	22.6	12.1	54
1966-67	52.0	17.3	33
1967-68	37.6	15.5	41
1968-69	133.4	61.5	46
1969-70	34.7	13.8	40
1970-71	53.0	27.0	51
1971-72	+	+	
1972-73	96.5	37.0	39
1973-74	65.4	26.8	41
1974-75	43.6	17.4	40

+ = PATCHES OF SNOW

BLUE RIDGE SNOW COURSE

LOCATION

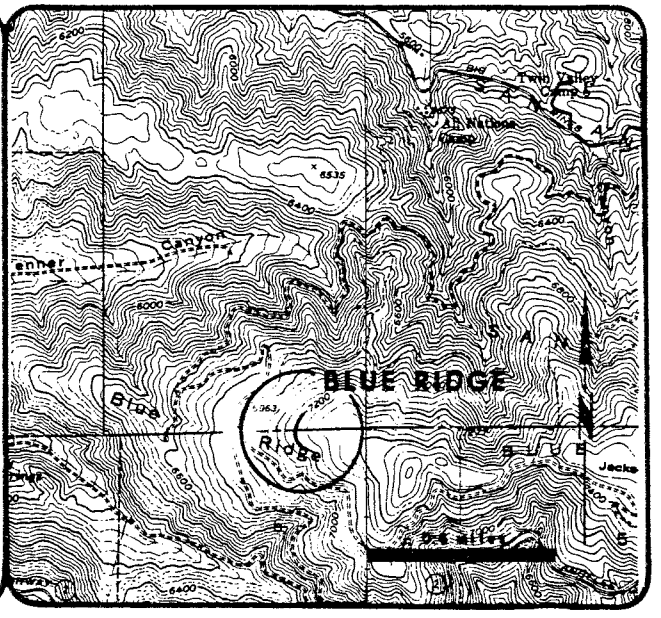
1 mile north of Highway 2
10 miles west of Wrightwood
San Gabriel Mountains
southern exposure

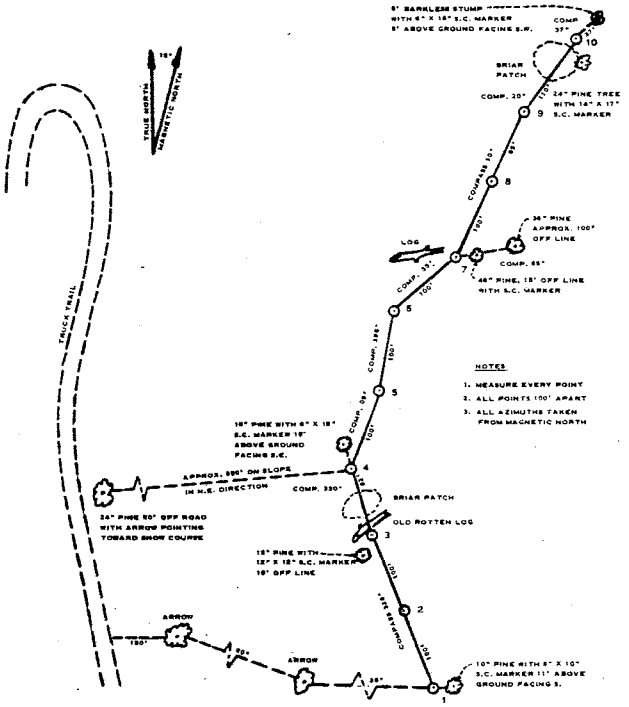
ELEVATION
7200'

LENGTH OF COURSE
900'

DRAINAGE AREA
Big Rock Creek

PERIOD OF RECORD
April 1, 1959 to date





CALIFORNIA COOPERATIVE SNOW SURVEYS
IN CONJUNCTION WITH
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
BIG ROCK CREEK BASIN
BLUE RIDGE COURSE
APPROX. ELEV. 7200' LENGTH 900'
SCALE: 1" = 100'

SUMMARY OF ANNUAL SNOW SURVEY DATA - BLUE RIDGE

SEASON	AVERAGE SNOW DEPTH (IN INCHES)	AVERAGE WATER CONTENT (IN INCHES)	DENSITY (PERCENT)
1958-59	2.4	1.1	46
1959-60	0	0	
1960-61	0	0	
1961-62	17.9	8.6	48
1962-63	+	+	
1963-64	6.9	2.5	36
1964-65	20	5.5	28
1965-66	1.1	0.4	36
1966-67	13.7	3.8	28
1967-68	0	0	
1968-69	29.4	14.8	50
1969-70	3.2	1.1	34
1970-71	1.1	0.6	55
1971-72	0	0	
1972-73	35.9	16.5	48
1973-74	6.5	2.6	40
1974-75	10.4	4.0	38

+ = PATCHES OF SNOW

ISLIP NO. 2 SNOW COURSE

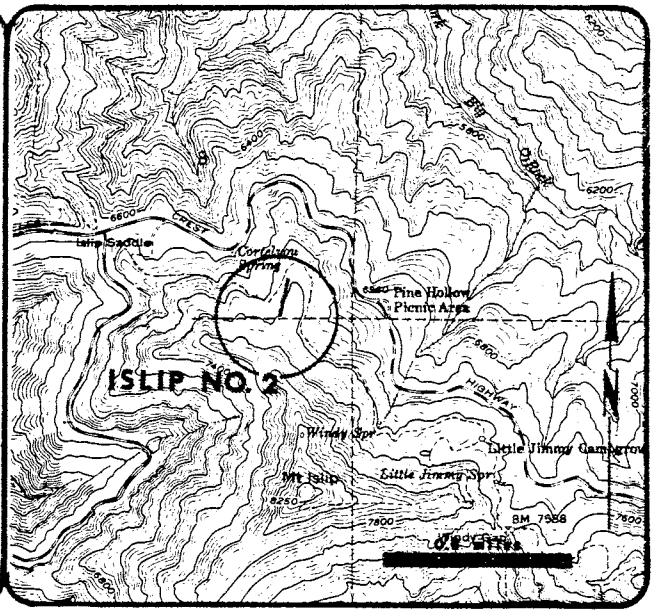
LOCATION
0.50 mile southwest of Highway 2
6 miles east of Highway 39
San Gabriel Mountains
northern exposure

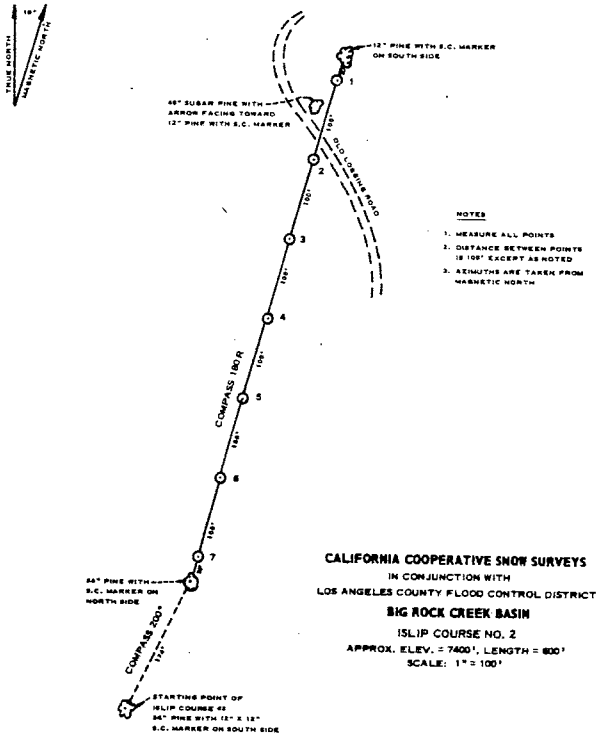
ELEVATION
7400'

LENGTH OF COURSE
630'

DRAINAGE AREA
Big Rock Creek

PERIOD OF RECORD
April 1, 1944, to date





SUMMARY OF ANNUAL SNOW SURVEY DATA - ISLIP NO 2

SEASON	AVERAGE SNOW DEPTH (IN INCHES)	AVERAGE WATER CONTENT (IN INCHES)	DENSITY (PERCENT)
1943-44	84.7	40.7	48
1944-45	24.8	10.9	44
1945-46	35.2	17.3	49
1946-47	+	+	
1947-48	21.3	8.8	41
1948-49	47.1	21.5	46
1949-50	+	+	
1950-51	0.7	0.3	43
1951-52	84.0	42.0	50
1952-53	6.7	3.6	54
1953-54	32.1	14.6	45
1954-55	12.5	6.2	50
1955-56	18.1	7.1	39
1956-57	0.6	0.3	50
1957-58	75.7	37.1	49
1958-59	6.8	3.6	53
1959-60	0	0	
1960-61	0	0	
1961-62	56.4	30.7	54
1962-63	5.2	2.2	42
1963-64	16.3	6.6	40
1964-65	41.6	11.1	27
1965-66	0	0	
1966-67	29.8	12.4	42
1967-68	3.9	1.6	41
1968-69	58.0	30.4	52
1969-70	19.7	11.3	57
1970-71	7.2	3.3	46
1971-72	0	0	
1972-73	86.7	39.7	46
1973-74	28.9	15.1	52
1974-75	36.0	16.0	44

+ = PATCHES OF SNOW

ISLIP NO 3
SNOW COURSE

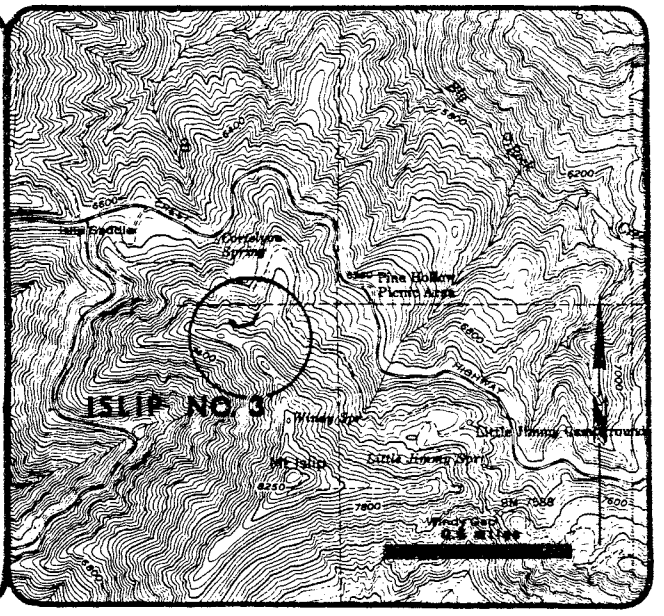
LOCATION
0.50 mile southwest of Highway 2
6 miles east of Highway 39
San Gabriel Mountains
northern exposure

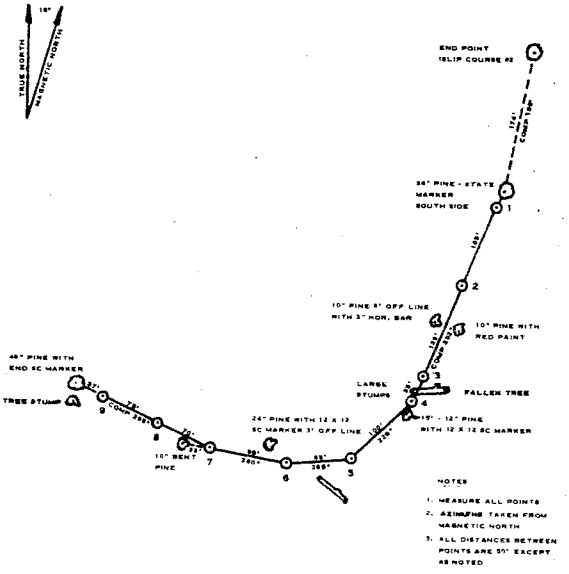
ELEVATION
7600'

LENGTH OF COURSE
654'

DRAINAGE AREA
Big Rock Creek

PERIOD OF RECORD
April 1, 1945, to date





CALIFORNIA COOPERATIVE SNOW SURVEYS
IN CONJUNCTION WITH
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
BIG ROCK CREEK BASIN
ISLIP COURSE NO. 3
APPROX. ELEV. = 7600', LENGTH = 659'
SCALE: 1" = 100'

SUMMARY OF ANNUAL SNOW SURVEY DATA - ISLIP NO 3

SEASON	AVERAGE SNOW DEPTH (IN INCHES)	AVERAGE WATER CONTENT (IN INCHES)	DENSITY (PERCENT)
1944-45	38.7	12.2	32
1945-46	49.6	20.9	42
1946-47	26.8	13.1	49
1947-48	44.5	16.3	37
1948-49	59.2	27.1	46
1949-50	4.8	2.1	44
1950-51	7.0	2.6	37
1951-52	110.5	50.5	46
1952-53	24.3	11.7	48
1953-54	57.9	22.7	39
1954-55	31.0	15.4	50
1955-56	22.8	8.1	36
1956-57	4.1	1.8	44
1957-58	89.1	44.6	50
1958-59	23.7	11.0	46
1959-60	3.7	1.2	32
1960-61	0.8	0.6	75
1961-62	71.7	33.7	47
1962-63	11.5	4.8	42
1963-64	29.2	10.4	36
1964-65	45.4	11.4	25
1965-66	11.3	4.6	41
1966-67	54.6	25.3	46
1967-68	21.8	9.3	43
1968-69	78.3	35.6	45
1969-70	35.4	15.6	44
1970-71	27.0	11.0	41
1971-72	1.4	0.6	43
1972-73	99.7	38.7	39
1973-74	51.1	26.7	52
1974-75	56.4	21.6	38

ISLIP NO. 4
SNOW COURSE

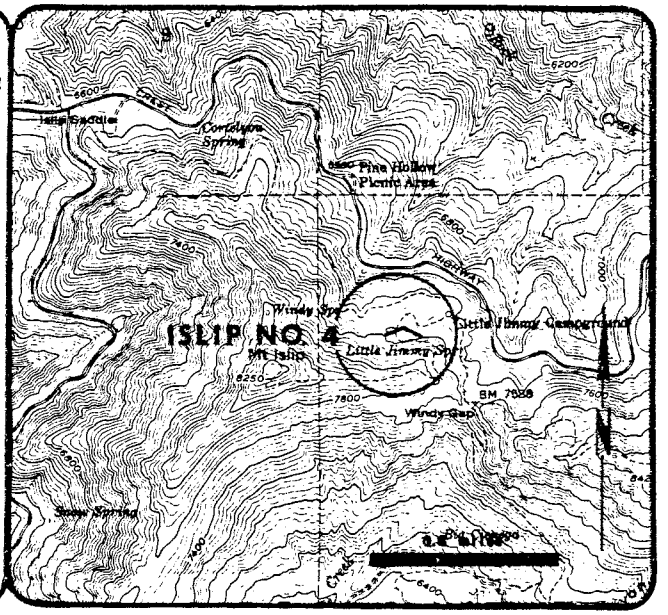
LOCATION
0.50 mile southwest of Highway 2
6.5 miles east of Highway 39
San Gabriel Mountains
northern exposure

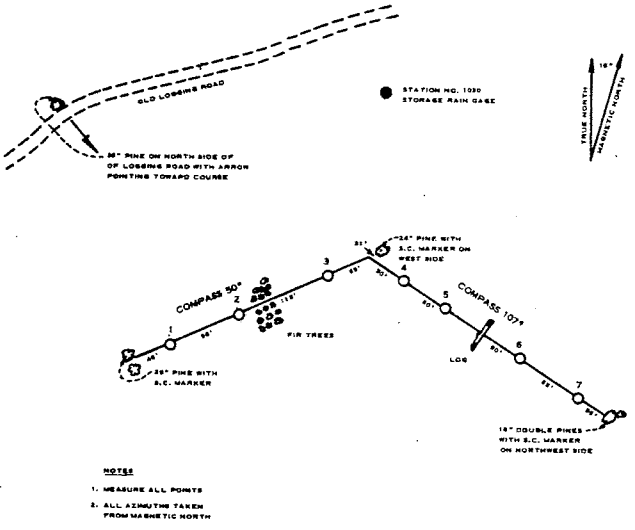
ELEVATION
7570'

LENGTH OF COURSE
635'

DRAINAGE AREA
Big Rock Creek

PERIOD OF RECORD
April 1, 1950, to date



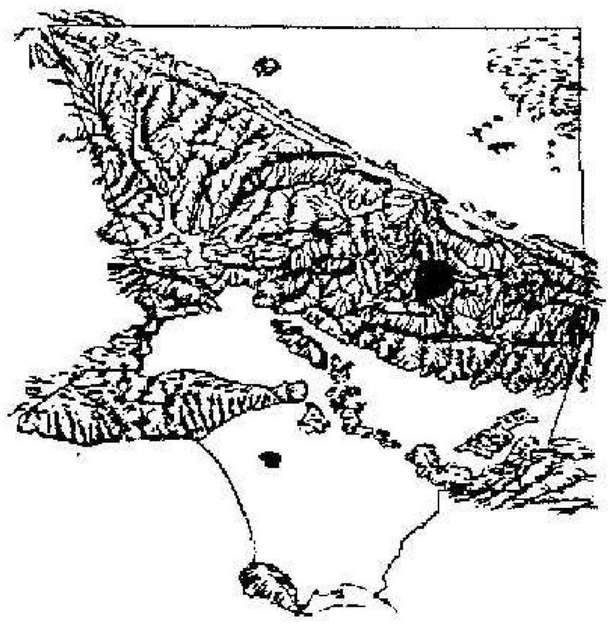


CALIFORNIA COOPERATIVE SNOW SURVEYS
IN CONJUNCTION WITH
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
BIG ROCK CREEK BASIN
ISLIP COURSE NO. 4
APPROX. ELEV. = 7570', LENGTH = 635'
SCALE: 1" = 100'

SUMMARY OF ANNUAL SNOW SURVEY DATA - ISLIP NO 4

SEASON	AVERAGE SNOW DEPTH (IN INCHES)	AVERAGE WATER CONTENT (IN INCHES)	DENSITY (PERCENT)
1949-50	10.0	4.9	49
1950-51	11.3	4.2	37
1951-52	114.9	54.9	48
1952-53	26.7	12.9	48
1953-54	66.7	29.3	44
1954-55	37.1	18.6	50
1955-56	20.9	6.2	30
1956-57	13.7	6.7	49
1957-58	99.8	53.5	54
1958-59	23.2	11.8	50
1959-60	4.1	1.8	44
1960-61	2.6	1.9	73
1961-62	75.6	37.6	50
1962-63	12.0	5.6	47
1963-64	38.1	14.7	39
1964-65	45.9	12.9	28
1965-66	11.5	5.0	43
1966-67	67.7	29.1	43
1967-68	34.1	14.3	42
1968-69	87.4	45.1	52
1969-70	26.7	14.0	52
1970-71	27.0	13.0	48
1971-72	0	0	
1972-73	104.0	44.6	43
1973-74	58.6	30.0	51
1974-75	55.6	23.4	42

SQW CAMP
SNOW COURSE



LOCATION

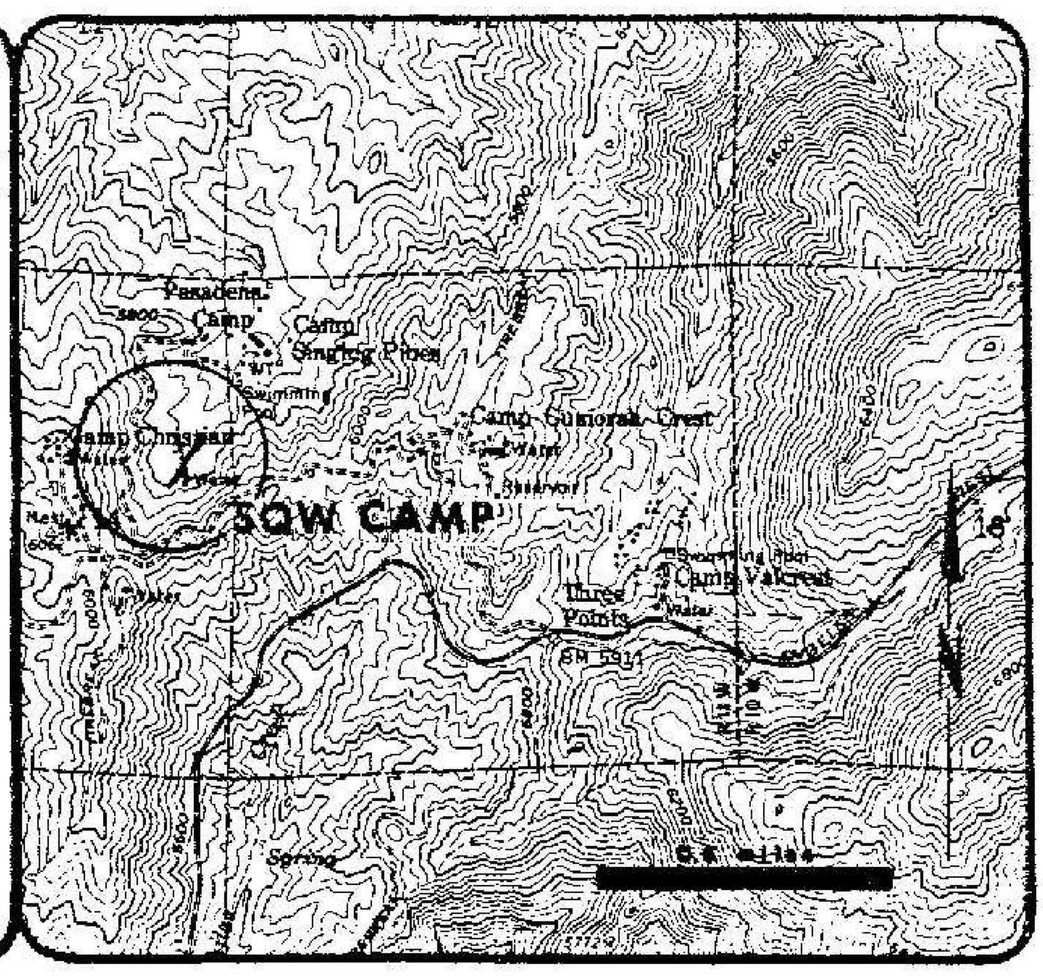
1 mile north of Highway 2
5 miles east of Mt. Wilson Road
San Gabriel Mountains
northern exposure

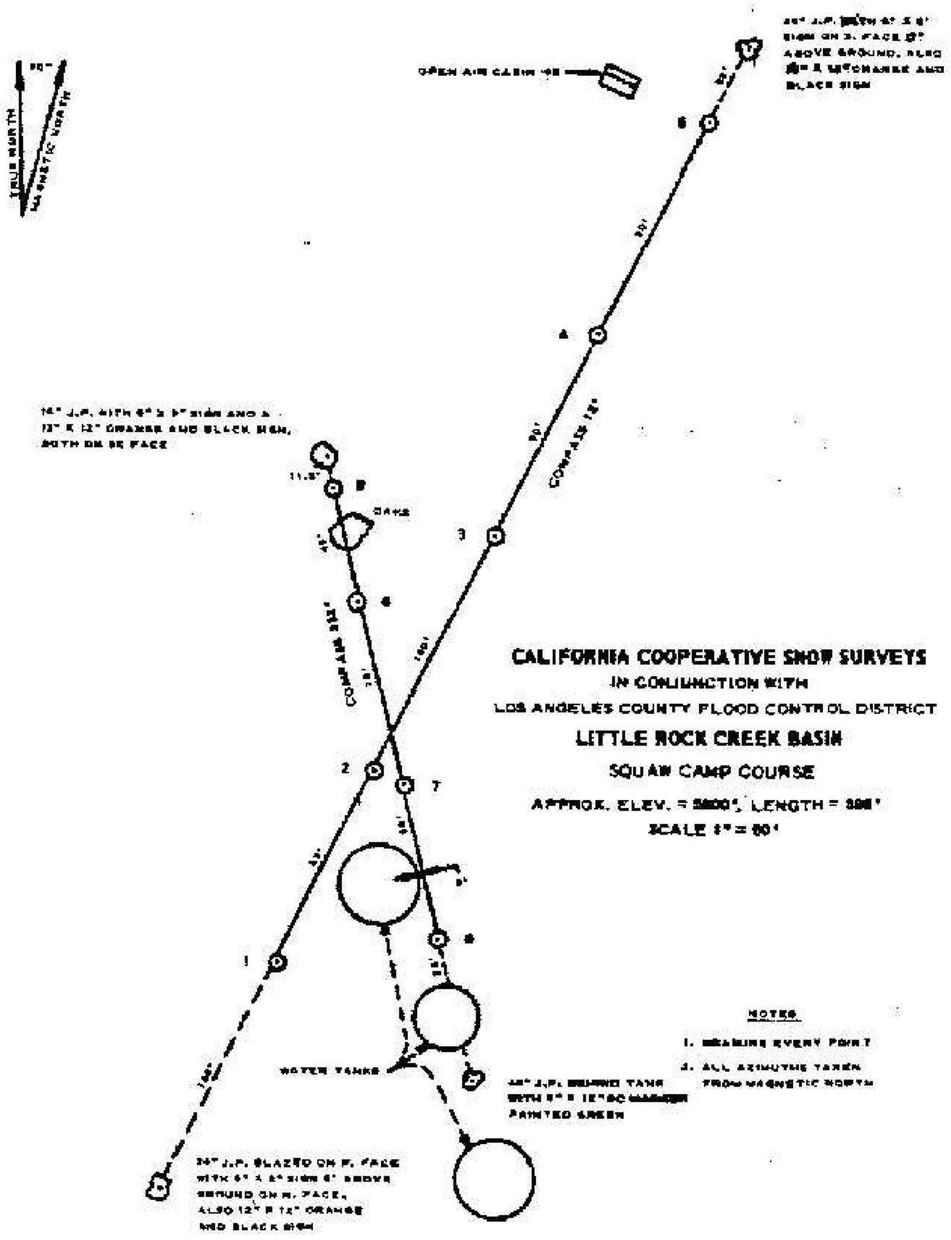
ELEVATION
5800'

LENGTH OF COURSE
596'

DRAINAGE AREA
Little Rock Creek

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





SUMMARY OF ANNUAL SNOW SURVEY DATA – SQW CAMP

SEASON	AVERAGE SNOW DEPTH (IN INCHES)	AVERAGE WATER CONTENT (IN INCHES)	DENSITY (PERCENT)
1953-54	+	+	
1954-55	0	0	
1955-56	+	+	
1956-57	0	0	
1957-58	0	0	
1958-59	0	0	
1959-60	0	0	
1960-61	0	0	
1961-62	0	0	
1962-63	+	+	
1963-64	+	+	
1964-65	16.6	4.9	30
1965-66	0	0	
1966-67	5.4	1.7	31
1967-68	0	0	
1968-69	1.2	1.4	117
1969-70	0	0	
1970-71	0	0	
1971-72	0	0	
1972-73	4.8	2.3	23
1973-74	0.7	0.2	29
1974-75	0	0	0

+ = PATCHES OF SNOW

CEDAR SPRINGS SNOW COURSE

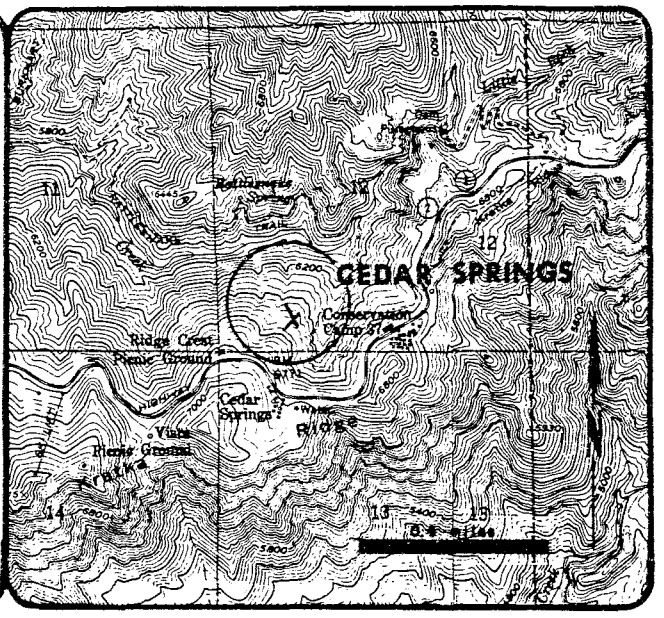
LOCATION
0.25 mile north of Highway 2
5 miles west of Highway 39
San Gabriel Mountains
northern exposure

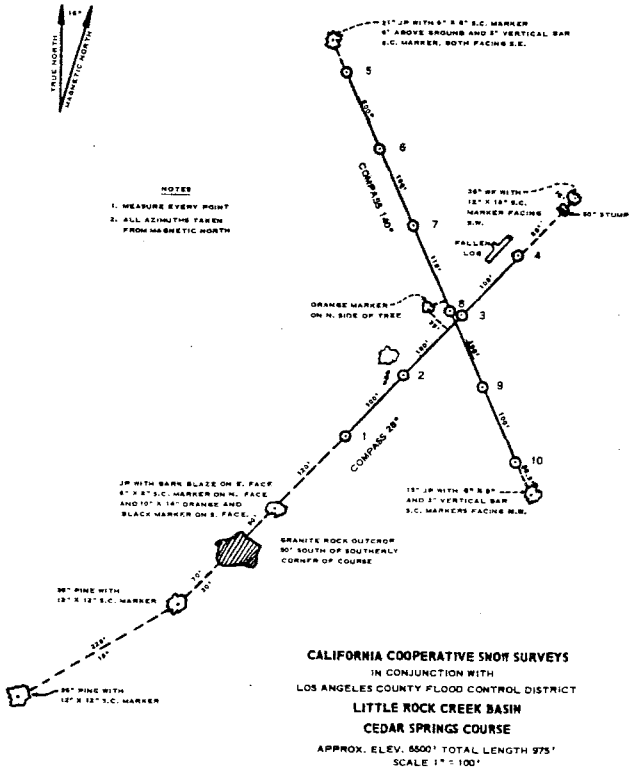
ELEVATION
6500'

LENGTH OF COURSE
975'

DRAINAGE AREA
Little Rock Creek

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





SUMMARY OF ANNUAL SNOW SURVEY DATA - CEDAR SPRINGS

SEASON	AVERAGE SNOW DEPTH (IN INCHES)	AVERAGE WATER CONTENT (IN INCHES)	DENSITY (PERCENT)
1947-48	20.8	7.8	38
1948-49	NO RECORD		
1949-50	NO RECORD		
1950-51	NO RECORD		
1951-52	NO RECORD		
1952-53	NO RECORD		
1953-54	27.8	12.7	46
1954-55	14.0	7.0	50
1955-56	13.6	6.1	45
1956-57	0	0	
1957-58	40.5	18.8	46
1958-59	4.2	2.0	48
1959-60	0	0	
1960-61	0	0	
1961-62	26.2	12.2	47
1962-63	2.7	1.0	37
1963-64	14.4	5.9	41
1964-65	36.6	9.7	26
1965-66	0	0	
1966-67	37.9	12.7	34
1967-68	0	0	
1968-69	32.5	15.4	47
1969-70	0	0	
1970-71	1.8	0.8	44
1971-72	0	0	
1972-73	71.0	29.2	42
1973-74	29.0	14.0	48
1974-75	25.4	4.3	17

DEER FLATS SNOW COURSE

LOCATION

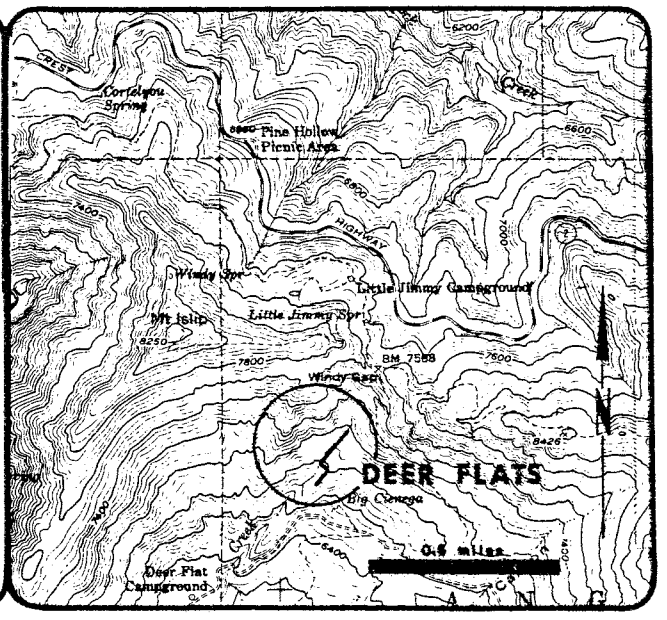
2 miles northeast of
Crystal Lake Ranger Station
San Gabriel Mountains
southern exposure

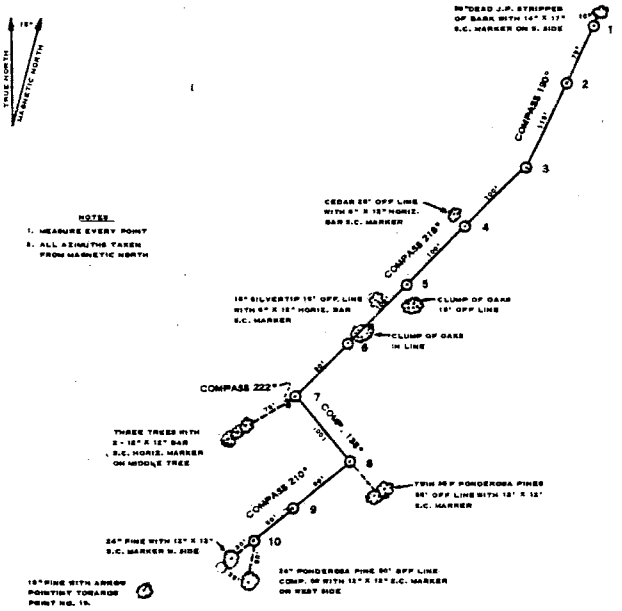
ELEVATION
6800'

LENGTH OF COURSE
880'

DRAINAGE AREA
San Gabriel River

PERIOD OF RECORD
1963 to date





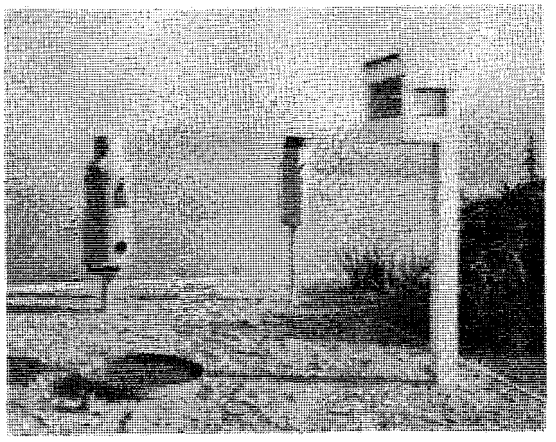
CALIFORNIA COOPERATIVE SNOW SURVEYS
IN CONJUNCTION WITH
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SAN GABRIEL RIVER BASIN
DEER FLATS COURSE
AVERAGE ELEVATION 6800' - LENGTH 880'
SCALE: 1" = 100'

SUMMARY OF ANNUAL SNOW SURVEY DATA - DEER FLATS

SEASON	AVERAGE SNOW DEPTH (IN INCHES)	AVERAGE WATER CONTENT (IN INCHES)	DENSITY (PERCENT)
1962-63	0	0	
1963-64	10.6	4.9	46
1964-65	31.3	8.5	27
1965-66	0	0	
1966-67	12.9	4.1	32
1967-68	0	0	
1968-69	13.9	6.0	43
1969-70	0	0	
1970-71	0	0	
1971-72	0	0	
1972-73	43.2	20.0	48
1973-74	4.0	1.9	48
1974-75	8.2	4.3	52

EVAPORATION

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



Weather Station at Puddingstone Dam

SUMMARY OF EVAPORATION

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

1974-75

Maximum Seasonal Amount -	Big Tujunga Reservoir.....		80.89"
Maximum Monthly Amount -	Palmdale.....	August	12.28"
Minimum Seasonal Amount -	Baldwin Park Experimental Station.....		48.54"
Minimum Monthly Amount -	Camp Hi Hill (Opid's).....	November	1.02"

COOPERATION

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

LENGTH OF RECORD

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

EQUIPMENT

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

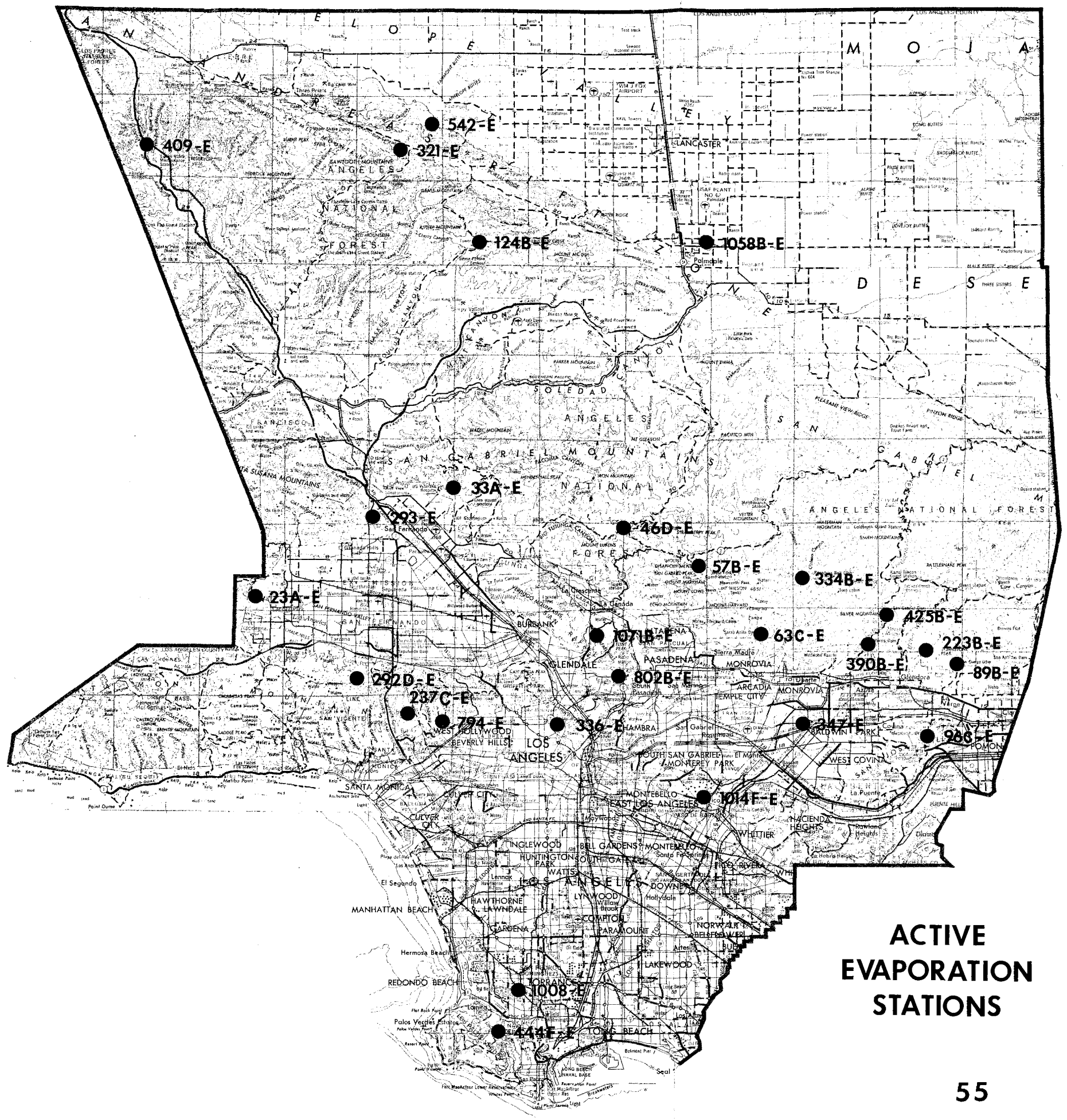
   Seventy-two inches in diameter by 36 inches deep. Installed in the ground 33 inches. Water in pan maintained near ground level.

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.



ACTIVE EVAPORATION STATIONS

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

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1931-32	7.48	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	6.80	5.70	8.05	8.30	10.22	9.52	6.92	84.99
1933-34	6.69	8.12	2.50	5.46	2.56	5.48	7.92	9.40	6.68	10.42	9.55	8.68	83.46
1934-35	6.30	3.84	3.73	3.18	4.32	2.84	3.67	4.90	7.82	10.20	9.85	8.12	67.97
1935-36	7.69	4.86	4.58	4.98	2.17	4.74	5.14	8.42	9.54	10.42	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	5.84	7.12	8.98	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	9.88	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	9.85	7.42	68.54
1943-44	5.68	5.39	4.34	3.80	2.56	5.72	5.10	5.22	6.88	7.98	9.80	7.15	68.74
1944-45	5.14	3.48	3.46	3.85	2.84	3.08	5.73	6.58	6.18	9.28	10.02	7.56	66.48
1945-46	4.86	4.38	2.34	4.26	2.85	3.40	3.95	4.35	7.85	8.95	8.88	7.58	63.57
1946-47	5.18	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	4.53	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	3.86	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	7.38	6.45	54.24
1952-53	3.88	2.89	1.94	2.78	4.98	3.75	3.50	6.84	5.32	7.78	6.88	5.52	54.94
1953-54	5.60	3.25	5.88	1.78	4.39	2.63	3.80	4.64	5.76	7.71	6.48	5.64	56.68
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	7.58	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	4.38	3.07	1.87	2.20	2.88	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	5.86	6.18	4.20	1.88	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	6.88	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	2.99	2.31	3.67	6.40	6.84	8.89	10.23	6.68	60.03
1967-68	9.81	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	6.79	6.12	3.89	2.56	1.82	5.22	6.15	5.92	5.80	9.65	10.44	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	11.24	91.94
1970-71	6.96	5.58	3.08	4.05	4.73	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	76.80
1974-75	5.28	5.40	5.74	5.82	2.98	4.07	3.88	6.42	6.84	7.94	9.27	7.81	71.31

A = PREVIOUS TO THIS DATE, PAN WAS SET IN GROUND 34 INCHES AND WATER SURFACE MAINTAINED AT GROUND LEVEL (2 INCHES BELOW TOP OF PAN). AFTER THIS DATE, PAN WAS SET IN GROUND 33 INCHES AND WATER LEVEL MAINTAINED AT GROUND LEVEL (3 INCHES BELOW TOP OF PAN). THE MEASURED RATE OF EVAPORATION WAS REDUCED AS A RESULT OF THIS CHANGE.

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

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1930-31	6.07	7.10	4.46	2.72	2.98	7.61	6.50	5.18	6.85	9.54	8.58	8.64	76.23
1931-32	7.28	5.93	2.51	2.33	1.92	5.44	6.56	5.28	7.82	9.28	9.84	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	6.82	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	6.99A	55.40
1937-38	5.59	3.26	3.04	3.18	1.84	3.22	4.22	3.96	3.92	6.09	6.70	7.48	52.50
1938-39	6.75	5.90**	5.74	4.67	4.23	4.27	6.22	6.33	8.12	8.88	8.06	7.76	76.93**
1939-40	8.75	6.84	6.18	2.96	3.41	4.84	4.68	6.38	6.69	10.16	7.40	6.93	75.25
1940-41	7.12	7.00	4.58	2.88	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	6.48	67.35
1942-43	5.49	5.78	4.51	4.73	4.02	2.88	3.66	6.38	6.80	7.26	6.91	7.27	65.61
1943-44	5.30	5.92	3.62	3.96	2.35	5.02	4.11	4.24	4.22	6.28	7.08	4.65	56.56
1944-45	4.55	2.97	3.98	3.11	2.64	3.16	4.30	4.58	3.32	5.44	7.56	8.30	54.11
1945-46	5.98	6.17	4.71	6.67	4.30	4.90	4.94	4.08	7.79	9.20	9.50	9.08	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	4.68	5.92	5.08	8.42	8.70	9.46	75.41
1948-49	6.12	8.78	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	5.48	5.24	6.63	7.92	8.42	5.84	72.42
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	4.68	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	5.08	3.64**	5.64	3.54	3.52	4.11*	4.85	7.60	7.08	8.48	71.17**
1954-55	6.98	6.54	5.88	3.48	4.80	5.26	6.26	4.26	5.08	7.05	8.98	8.08	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	6.98	3.38	*2.48	4.26	4.83	3.92	6.55	8.88	8.50	6.95	69.41
1957-58	4.55	4.74	5.38	4.90	2.44	2.98	5.76	6.00	6.50	7.38	6.38	8.98	66.11
1958-59	7.62	5.66	4.20	4.40	3.20	6.28	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	4.68	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	3.58	6.28	5.34	5.62	7.28	7.88	6.70	66.59
1962-63	5.28	4.28*	5.07	4.37	5.17	5.05	4.70	3.80	4.11	7.81	8.36	8.08	66.08**
1963-64	5.42	5.12	6.76	6.82	6.58	6.08	5.44	5.54	6.00	9.12	8.48	7.62	78.18
1964-65	7.58	5.24	3.81	4.70	4.98	4.16	5.14	5.92	4.74	8.50	7.98	6.36	68.87
1965-66	8.78	4.69**	4.82**	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**	6.08	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	6.80	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	8.27	75.27
1971-72	8.06	5.54	4.19	5.20	5.16	6.30	6.94	6.60	6.64	10.15	8.58	7.08	80.44
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

* = AMOUNT ESTIMATED IS GREATER THAN 10% OF TOTAL
** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL
N.I. = NOT INSTALLED
N.R. = NO RECORD
# = RECORD INCOMPLETE - WATER IN PAN FROZEN
INC. = RECORD INCOMPLETE
A = PREVIOUS TO THIS DATE, PAN WAS SET IN GROUND 34 INCHES AND WATER SURFACE MAINTAINED AT GROUND LEVEL (2 INCHES BELOW TOP OF PAN). AFTER THIS DATE, PAN WAS SET IN GROUND 33 INCHES AND WATER LEVEL MAINTAINED AT GROUND LEVEL (3 INCHES BELOW TOP OF PAN). THE MEASURED RATE OF EVAPORATION WAS REDUCED AS A RESULT OF THIS CHANGE.

MONTHLY EVAPORATION SUMMARY
STATION NO. 46D
BIG TUJUNGA DAM
24" DIAMETER SCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1931-32	6.00	3.30	.52	.48	.68	5.42	5.95	6.22	8.02	10.60	9.98	8.68	65.85
1932-33	7.08	6.48	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	4.58	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	2.87	2.51	3.00	4.88	5.92	8.92	9.68	9.86	6.78	67.85
1939-40	4.88	3.88	2.58	1.70	1.92	3.33	4.81	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	4.28	4.38	6.49	4.08	8.02	9.42	15.08	13.82	12.12	94.27
1942-43	8.48	6.68	5.86	4.44	4.29	3.61	5.98	9.38	10.58	13.85	12.92	13.12	97.59
1943-44	9.35	6.78	2.28	3.61	2.13	5.32	5.42	6.28	6.94	10.98	12.29	8.88	80.18
1944-45	7.05	3.38	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	3.58	4.48	4.44	4.56	6.54	7.00	12.38	13.75	14.78	13.15	99.98
1946-47	6.17	3.52	3.16	5.85	3.41	3.94*	5.88	7.52	8.12	14.18	11.12	9.87	81.96**
1947-48	7.48	6.28	4.13	5.70	3.65	3.98	4.88	6.98	7.50	12.28	12.65	11.58	86.93
1948-49	7.68	7.48	3.24	2.68	2.44	3.14	4.68	7.21	9.78	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	11.42	13.15	8.66	82.95
1950-51	8.84	6.88	5.78	3.88	4.00	6.36	5.19	8.06	9.58	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	12.68	12.68	11.12	85.82
1952-53	10.10	4.88**	3.28	4.36	5.97	5.38	5.33	7.63	8.62	12.82	12.42	11.08	90.83**
1953-54	9.02	5.65	4.27	3.28**	5.42	3.78	5.96	7.62	9.02	12.38	10.55	11.60	90.47**
1954-55	9.28	6.35	4.43	3.89	4.26	5.38	7.87	6.16	8.55	10.72	12.16	11.72	89.89
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	12.78	11.88	10.02	84.78
1957-58	4.94	4.31	4.02*	4.37	2.43	2.21**	5.19	7.08	7.82	10.48	10.66	10.26**	73.69**
1958-59	8.46	5.54	5.88	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	8.18	5.28	3.28	4.98	2.32	3.46	6.92	6.18	8.07	10.42	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	5.82	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	10.78	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	5.58	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	10.88	84.86
1970-71	7.34	5.48	2.58	4.26	4.88	5.97	INC.	INC.	INC.	INC.	INC.	INC.	INC.
1971-72	INC.	5.72	3.82	7.88	4.80	7.17	6.84	7.76	9.08	12.26	4.58	7.85	INC.
1972-73	5.37	4.46	4.33	3.73	2.68	3.18	6.87	6.70	8.91	10.48	9.28	9.08	74.22
1973-74	8.30	3.62**	4.14	2.84**	5.24	3.40**	6.06	6.62	8.87	10.22	10.76	10.85	88.12**
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

* = AMOUNT ESTIMATED IS GREATER THAN 10% OF TOTAL
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INC. = RECORD INCOMPLETE
A = PREVIOUS TO THIS DATE, PAN WAS SET IN GROUND 34 INCHES AND WATER SURFACE MAINTAINED AT GROUND LEVEL (2 INCHES BELOW TOP OF PAN). AFTER THIS DATE, PAN WAS SET IN GROUND 33 INCHES AND WATER LEVEL MAINTAINED AT GROUND LEVEL (3 INCHES BELOW TOP OF PAN). THE MEASURED RATE OF EVAPORATION WAS REDUCED AS A RESULT OF THIS CHANGE.

MONTHLY EVAPORATION SUMMARY
STATION NO. 57B
CAMP HI HILL (DPID'S)
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	4.38	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	.46#	. #	. #	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	8.80	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#	.84#	.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#	.78#	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**	2.88	3.10**	6.40	8.30	6.75	4.68	41.28***
1957-58	2.10*	1.20*	.90*	.62#	. #	. #	2.98*	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#	. #	.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	6.40	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**	0.50**	0.85	INC.	1.69**	3.09	5.00	5.85	6.86	6.79	5.67	INC.
1970-71	2.64	1.20	INC.#	INC.#	INC.#	INC.#	3.21	3.24	5.02	6.90	7.05	5.47	INC.#
1971-72	2.62	8.00	INC.	INC.	INC.	2.90	3.93	5.06	6.12	8.40	6.65	4.16	INC.
1972-73	2.01	1.98	. #	. #	. #	0.78	3.62	5.50	7.01	8.54	7.58	5.38	INC.
1973-74	2.77	0.41*	1.00	. #	. #	. #	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.

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# = RECORD INCOMPLETE - WATER IN PAN FROZEN
INC. = RECORD INCOMPLETE
N.R. = NO RECORD
A = PREVIOUS TO THIS DATE, PAN WAS SET IN GROUND 34 INCHES AND WATER SURFACE MAINTAINED AT GROUND LEVEL (2 INCHES BELOW TOP OF PAN). AFTER THIS DATE, PAN WAS SET IN GROUND 33 INCHES AND WATER LEVEL MAINTAINED AT GROUND LEVEL (3 INCHES BELOW TOP OF PAN). THE MEASURED RATE OF EVAPORATION WAS REDUCED AS A RESULT OF THIS CHANGE.

MONTHLY EVAPORATION SUMMARY
STATION NO. 63C
SANTA ANITA DAM
24" DIAMETER SCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1929-30	5.40	5.38	4.40	1.60	2.00*	2.96	5.24	4.67	6.26	9.40	8.48	6.28	62.08**
1930-31	6.98	6.29	5.99	3.56	2.45	5.45	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	9.82	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	2.48	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	7.48	6.34	6.06	56.36
1940-41	5.31	4.74	3.47	2.38	1.46	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	2.79	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	3.78	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	5.38	5.14	49.05
1948-49	3.63	4.48	2.70	2.00#	1.71	2.36	3.90	3.35	4.54	4.87	5.95	5.90	45.39#
1949-50	4.86	6.09	4.00	2.24	2.42	3.11	3.28	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	6.82	5.60	4.79	47.07**
1953-54	5.47	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	2.85	1.60	2.59	2.69	2.42	3.90	5.24	5.64	3.94	42.51
1957-58	2.62	2.57	2.98	3.02	1.98	2.04**	3.46	3.62	4.15	4.76	4.06	5.36	40.62**
1958-59	4.84	4.02	4.12	3.10	2.26	4.75	3.38	3.00	3.96	5.44	4.86	3.34	47.07
1959-60	4.28	4.61	3.66	2.16	2.70	3.12	4.85**	4.02	4.00	5.62	4.77	4.94	47.93**
1960-61	4.12	3.13	4.16	4.58	3.60	3.25	3.92	3.38	3.87	5.14	4.86	4.38	48.37
1961-62	4.74	3.67**	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	4.24	3.84	2.58	2.50**	2.86**	2.53	2.40	3.46	7.96	7.79	7.62	49.32**
1963-64	5.45	4.28	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**	3.58**	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**	3.78	3.45	4.06	3.84	2.72	5.42	4.52	7.61**	8.75	5.93	60.53**
1967-68	9.01	5.15	4.19	4.91	3.47	5.93	5.81	4.23	5.36	7.83	7.51	7.80	71.20
1968-69	5.20	4.52	3.81	2.84	2.13	4.06	4.14	4.16	2.64	6.20	7.23	5.72	52.65
1969-70	5.76	5.61	4.19	2.66	4.38	4.21	4.81	4.72	3.96	6.14	6.76	7.06	60.26
1970-71	4.88	4.40	2.76	4.15	3.89	3.72	3.97	3.70	4.14	6.05	6.95	6.00	54.52
1971-72	6.44	3.58	2.68	3.48	3.48	3.58	4.77	4.66	4.44	7.28	6.44	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	3.36**	3.92	2.88**	4.22	2.45**	4.12**	N.R.	N.R.	7.47*	6.80	6.78	INC.
1974-75	4.95	5.09	4.22	4.96	2.83	3.15	2.68	4.43	4.43	6.76	8.20	7.32	58.94

* = AMOUNT ESTIMATED IS GREATER THAN 10% OF TOTAL
** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL
\# = RECORD INCOMPLETE - WATER IN PAN FROZEN
A = PREVIOUS TO THIS DATE, PAN WAS SET IN GROUND 34 INCHES AND WATER SURFACE MAINTAINED AT GROUND LEVEL (2 INCHES BELOW TOP OF PAN). AFTER THIS DATE, PAN WAS SET IN GROUND 33 INCHES AND WATER LEVEL MAINTAINED AT GROUND LEVEL (3 INCHES BELOW TOP OF PAN). THE MEASURED RATE OF EVAPORATION WAS REDUCED AS A RESULT OF THIS CHANGE.

MONTHLY EVAPORATION SUMMARY
STATION NO. 89B
SAN DIMAS DAM
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	.44	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	2.44	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	7.28	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	1.88**	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	1.60	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	51.74
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	8.04	6.43	52.37**
1953-54	4.82	2.74	2.90	1.46	2.72	2.22	2.98	4.58	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**	1.44	3.20	2.75	5.60	6.60	5.80	5.95	43.33**
1958-59	4.62	2.94	2.69	1.96	1.76	3.85	3.85	4.12	5.88	7.56	6.88	4.40	50.51
1959-60	4.05	3.40	2.26	1.68	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	4.38	4.66	6.18	7.74	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	6.98	5.75	47.38**
1963-64	3.38	2.07	2.18	1.90**	3.01	3.20	3.67**	4.61	5.00	7.96	6.82	5.66	49.46**
1964-65	4.52	2.40	1.38**	1.62	2.25	2.72	3.44	4.66	3.88	INC.	INC.	INC.	INC.
1965-66	N.R.	2.19**	1.73**	1.98	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	1.74	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	4.44	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

** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL
\# = RECORD INCOMPLETE - WATER IN PAN FROZEN
INC. = RECORD INCOMPLETE
A = PREVIOUS TO THIS DATE, PAN WAS SET IN GROUND 34 INCHES AND WATER SURFACE MAINTAINED AT GROUND LEVEL (2 INCHES BELOW TOP OF PAN). AFTER THIS DATE, PAN WAS SET IN GROUND 33 INCHES AND WATER LEVEL MAINTAINED AT GROUND LEVEL (3 INCHES BELOW TOP OF PAN). THE MEASURED RATE OF EVAPORATION WAS REDUCED AS A RESULT OF THIS CHANGE.

MONTHLY EVAPORATION SUMMARY
STATION NO. 96C
PUDDINGSTONE DAM
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	3.80	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	4.90	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**	3.80	5.36	5.18	8.57	8.91	5.91	56.14**
1967-68	6.35	3.23**	2.75	2.78	2.02	4.36	5.30	5.94	6.86	9.22	8.78	7.44	65.03**
1968-69	5.02	3.85	2.84	1.86	1.86	3.42	3.47	5.19	4.12	8.15	9.64	6.94	57.26
1969-70	5.88	3.96	1.84	1.69	3.01	3.64	5.46	6.31	6.24	9.38	9.18	7.96	64.55
1970-71	4.66	3.06	1.82	2.24	2.50	3.52	4.99	5.11	6.80	9.65	10.16	8.05	62.56
1971-72	6.66	2.93	2.40	2.62	3.04	3.98	5.84	6.42	6.94	10.04	9.80	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	57.57
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

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

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1930-31	10.22	9.17	5.84	4.66	3.86	8.86	7.74	8.82	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	9.38	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	7.88	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	5.88	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	6.37	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	1.68	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	6.88	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	46.45
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	8.48	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	3.44	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	47.83**
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	4.75	2.22	1.72	1.58	1.17	3.34	3.67	4.90	6.25	5.40	4.24	42.50
1973-74	4.57	2.16**	2.01**	1.86*	3.70	2.34**	5.36	5.14**	7.72	9.43	9.08	8.07	61.44**
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

** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL.
A = PREVIOUS TO THIS DATE, PAN WAS SET IN GROUND 34 INCHES AND WATER SURFACE MAINTAINED AT GROUND LEVEL (2 INCHES BELOW TOP OF PAN). AFTER THIS DATE, PAN WAS SET IN GROUND 33 INCHES AND WATER LEVEL MAINTAINED AT GROUND LEVEL (3 INCHES BELOW TOP OF PAN). THE MEASURED RATE OF EVAPORATION WAS REDUCED AS A RESULT OF THIS CHANGE.

MONTHLY EVAPORATION SUMMARY
STATION NO. 237C
STONE CANYON RESERVOIR
24" DIAMETER SCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1955-56	N.I.	N.I.	N.I.	1.55*	2.11*	3.82*	3.35*	4.78*	6.12	7.62	6.74	7.54	INC.
1956-57	5.64	9.10	8.28	3.98	2.52	5.71	4.10	4.61	6.78	7.89	7.88	6.30	72.79
1957-58	4.64	6.10	6.28	4.58	3.35	2.52	5.61	5.59	6.77	6.76	7.23	6.88	66.31
1958-59	7.24	5.14	5.25	3.66	3.18	5.77	4.41	5.24	5.97	8.53	8.12	5.90	68.41
1959-60	5.66	6.50	5.40	2.28	3.83	3.79	6.52	6.66	6.38	8.87	8.06	7.52	71.47
1960-61	6.16	3.75	4.80	5.38	4.80	4.42	5.16	6.20	6.09	8.86	8.86	6.92	70.40
1961-62	6.56	5.31	3.66	5.77	2.06	2.94	5.98	6.19	6.02	7.86	8.64	6.60	67.59
1962-63	4.85	4.46	3.74	3.55	3.51	5.11	3.90	4.50	4.99	8.12	7.85	6.88	61.46
1963-64	5.46	4.73	5.95	4.93	5.83	5.08	5.40	5.86	5.43	8.82	7.92	6.98	72.39
1964-65	5.86	5.04	3.48	3.56	3.97	3.43	3.98	6.10	5.53	7.69	8.23	5.93	62.80
1965-66	8.79	4.13	3.75	3.60	5.23	6.05	4.87	4.87	6.21	8.31	7.77	6.70	68.87
1966-67	7.27	3.14	5.02	4.14	4.77	3.98	2.89	6.43	5.78	7.69	8.38	5.74	65.23
1967-68	6.90	3.52	3.91	3.91	2.60	5.43	5.78	6.39	6.20	7.55	7.86	6.72	66.57
1968-69	5.34	5.39	4.31	3.50	2.83	4.88	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	8.56	7.78	72.56
1970-71	5.73	4.08	2.98	3.49	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	64.08
1973-74	6.92	4.61	4.15	2.58	4.88	2.42	5.99	5.74	6.82	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

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

MONTHLY EVAPORATION SUMMARY
STATION NO. 292D
ENCINO RESERVOIR
24" DIAMETER UNSCREENED TO 9/30/46 AND SCREENED SUBSEQUENT TO 9/30/46

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1931-32	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	8.77	9.73	11.51	11.77	8.14	INC.
1932-33	7.58	7.50	3.70	4.80	5.22	7.37	7.10	9.76	9.58	11.43	10.74	8.15	92.93
1933-34	7.89	7.70	3.26	5.06	3.01	7.30	9.03	11.34	7.72	12.15	10.76	10.93	96.09
1934-35	7.60	3.96	2.48	1.85	4.63	4.37	5.74	7.26	8.98	11.95	12.02	9.66	80.50
1935-36	7.84	4.61	3.97	4.26	2.57	5.98	6.47	9.86	11.80	12.19	12.42	10.58	91.75
1936-37	6.26	6.88	3.15*	1.85	3.25	4.47	8.49	7.83	9.45	13.42	11.56	10.58	87.19**
1937-38	8.24	4.45	3.20	4.45	2.60	3.56	6.80	9.32	8.52	11.70	12.03	11.12	85.99
1938-39	8.28	6.69	4.75*	3.27*	4.02	4.43	7.80	8.35	10.46	11.92	11.73	11.31	93.01**
1939-40	8.95	5.64	4.25	2.09	2.79	5.13	7.03	9.46	9.28	13.54	11.46	9.40	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	1.88	2.16	4.44	5.24	5.67	6.76	8.88	8.42	5.67	62.99
1950-51	6.06	4.18	3.22	2.25	2.55	4.45	4.43	6.72	6.53	8.52	8.76	6.69	64.36
1951-52	6.70	3.64	1.79	1.82	2.87	3.01	3.92	7.05	6.50	8.94	9.40	8.48	64.12
1952-53	5.10	2.83	1.82	2.24	3.74	3.94	4.46	7.29	6.56	9.74	8.90	6.84	63.46
1953-54	6.85	3.98	3.87	2.06	3.48	3.06	3.99	5.75	6.72	9.62	7.75	8.02	65.15
1954-55	5.50	3.70	2.69	1.74	2.70	3.93	.18	4.88	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	3.97	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	3.29	2.54	2.06	6.58	7.07	7.70	7.90	10.15	10.13	8.99	78.21
1970-71	6.02	4.78	2.60	2.82	4.00	5.14	5.88	6.51	7.83	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	61.14

* = AMOUNT ESTIMATED IS GREATER THAN 10% OF TOTAL
** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL
N.I. = NOT INSTALLED
INC. = RECORD INCOMPLETE
A = PREVIOUS TO THIS DATE, PAN WAS SET IN GROUND 34 INCHES AND WATER SURFACE MAINTAINED AT GROUND LEVEL (2 INCHES BELOW TOP OF PAN). AFTER THIS DATE, PAN WAS SET IN GROUND 33 INCHES AND WATER LEVEL MAINTAINED AT GROUND LEVEL (3 INCHES BELOW TOP OF PAN). THE MEASURED RATE OF EVAPORATION WAS REDUCED AS A RESULT OF THIS CHANGE.

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

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1952-53	N.I.	N.I.	N.I.	N.I.	6.98	5.24	4.63	8.04	6.79	9.60	8.90	7.38	INC.
1953-54	8.34	6.86	9.28	4.27	8.04	4.40	4.70	5.74	6.59	9.95	8.20	8.44	84.81
1954-55	7.07	8.26	6.87	4.26	4.14	4.02	7.52	4.99	6.72	8.00	9.51	8.95	84.31
1955-56	6.32	6.50	2.91	3.00	3.78	7.62	4.22	5.86	6.96	8.73	8.07	8.96	72.93
1956-57	5.68	11.54	9.89	3.31	2.61	5.84	4.64	5.11	8.22	9.92	9.38	7.30	83.44
1957-58	5.40	6.18	6.80	6.12	1.96	2.87	7.18	6.89	7.32	8.57	8.23	10.50	78.02
1958-59	8.54	7.14	8.32	5.76	3.04	8.43	6.40	7.13	7.52	9.47	8.78	6.60	87.13
1959-60	7.96	10.50	8.37	3.07	4.02	5.14	7.75	8.90	7.52	10.64	9.04	8.82	91.73
1960-61	7.32	5.06	7.15	7.94	7.14	6.43	6.74	6.75	7.44	8.34	8.92	7.72	86.95
1961-62	7.86	5.86	5.55	7.70	3.13	3.87	6.96	6.32	6.45	8.36	9.74	7.18	78.98
1962-63	5.86	5.08	5.84	4.77	5.78	5.88	5.26	4.94	4.86	8.50	8.49	8.45	73.71
1963-64	6.31	6.12	8.20	6.36	7.58	6.05	6.28	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	4.92	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	6.18	6.62	8.05	7.40	7.18	70.83

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

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

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1931-32	6.40	3.84	1.42	1.78	2.64**	6.70	8.70	9.35	11.52	16.30	15.53	12.42	96.60
1932-33	8.67	6.51	2.96	1.72	3.48	5.67	4.35	7.76	9.82	12.79	12.25	10.32	88.30
1933-34	8.32	6.20	3.10	3.94	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	4.89	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	5.44	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	4.01	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	3.44	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**	4.93	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	5.89	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	2.64	4.75	6.80	8.50	9.55	8.85	7.82	62.37
1973-74	5.38	2.99	1.94	. #	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

* = AMOUNT ESTIMATED IS GREATER THAN 10% OF TOTAL
** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL
# = RECORD INCOMPLETE - WATER IN PAN FROZEN
N.R. = NO RECORD
INC. = RECORD INCOMPLETE
A = PREVIOUS TO THIS DATE, PAN WAS SET IN GROUND 34 INCHES AND WATER SURFACE MAINTAINED AT GROUND LEVEL (2 INCHES BELOW TOP OF PAN). AFTER THIS DATE, PAN WAS SET IN GROUND 33 INCHES AND WATER LEVEL MAINTAINED AT GROUND LEVEL (3 INCHES BELOW TOP OF PAN). THE MEASURED RATE OF EVAPORATION WAS REDUCED AS A RESULT OF THIS CHANGE.

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

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1935-36	7.18	4.13	3.05	2.92	1.42	4.32	4.60	6.16	9.82	11.70	11.51	10.00	76.81
1936-37	5.79	4.68	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	4.40	8.06	10.74	13.10	12.80	8.85	86.65
1939-40	7.07	4.88	3.05	1.92	2.48	4.58	4.92	7.98	10.28	12.07	12.05	9.36	80.65
1940-41	7.39	4.16	2.23	1.59	1.42	3.20	3.91	6.96	8.01	11.56	9.96	8.86	69.25
1941-42	5.11	2.78	1.56	2.15	2.88	3.98	3.56	7.08	8.98	12.42	10.88	9.22	70.60
1942-43	6.36	3.56	2.50	2.65	2.08	2.63	4.22	7.50	7.88	10.75	10.62	9.32	70.07
1943-44	6.16	4.04	1.54	1.57**	1.46	4.08	4.45	6.24	6.44	9.95	10.40	7.90	64.23**
1944-45	5.78	2.23	1.93	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	7.91	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	4.17	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	1.72	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	4.19	3.67	5.56	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	7.87	10.78	10.63	9.28	69.01
1957-58	3.90	2.74	2.32	2.94	1.94	2.33	4.21	7.23	8.72	10.46	9.30	9.14	65.23
1958-59	6.82	4.24	3.68	2.66	2.19**	5.12	5.60	5.52	9.00	10.00	9.64	7.16	71.63
1959-60	6.52	4.87	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	4.08**	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	2.88	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	2.74	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	1.42	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

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

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

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1953-54	N.I.	N.I.	N.I.	N.I.	INC.	4.34	3.65	5.45	5.94	8.28	7.20	6.30	INC.
1954-55	4.43	3.43	2.51	1.95	3.24	4.14	6.96	5.13	5.00	7.04	7.52	6.82	57.19
1955-56	4.08	3.19	1.46	1.63	2.22	4.02	3.53	5.04	6.16	7.46	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	6.05	6.08	6.94	7.80	7.02	6.51	57.26
1958-59	5.10	3.82	2.58	2.27	2.60	4.06	3.60	6.12	6.39	8.14	7.56	5.81	58.01
1959-60	4.68	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	5.81	2.92	3.44	3.41	4.53	5.55	6.45	7.46	7.76	9.17	8.56	6.30	71.36
1961-62	5.54	3.86	2.20	4.17	2.67	4.30	6.57	7.03	6.56	8.72	8.61	6.39	66.62
1962-63	3.94	3.20	2.40	2.60	2.39	4.43	4.36	6.60	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	4.12	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	6.76	4.94	8.07	8.58	6.80	59.12
1969-70	5.50	3.43	3.02	2.02	2.51	5.59	6.27	6.62	6.70	8.76	8.56	6.84	65.82
1970-71	4.93	3.08	1.66	2.22	3.48	4.37	5.54	6.02	6.32	8.44	8.58	7.09	61.73
1971-72	6.00	3.38	3.28	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	7.08	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

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

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

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1932-33	5.63	4.80	2.44	2.21	3.14	4.88	5.82	7.75	9.08	10.10	9.41	6.59	71.85
1933-34	4.99	4.05	1.74	1.72	1.62	4.33	6.36	9.06	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	1.44	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**	2.14**	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	5.28	2.44	INC.	1.89	2.62	4.36	4.42	6.28	7.17	9.31	7.37	6.26	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	0.98*	2.31	2.26	4.52	4.71	6.30	7.84	4.90	5.60	49.10**
1974-75	3.98	3.05	1.81	2.13	1.87	3.48	3.33	6.97	6.64	9.55	8.74	6.79	58.34

* = AMOUNT ESTIMATED IS GREATER THAN 10% OF TOTAL
** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL
\# = RECORD INCOMPLETE - WATER IN PAN FROZEN
N.R. = NO RECORD
INC. = RECORD INCOMPLETE
A = PREVIOUS TO THIS DATE, PAN WAS SET IN GROUND 34 INCHES AND WATER SURFACE MAINTAINED AT GROUND LEVEL (2 INCHES BELOW TOP OF PAN). AFTER THIS DATE, PAN WAS SET IN GROUND 33 INCHES AND WATER LEVEL MAINTAINED AT GROUND LEVEL (3 INCHES BELOW TOP OF PAN). THE MEASURED RATE OF EVAPORATION WAS REDUCED AS A RESULT OF THIS CHANGE.

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

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1930-31	5.14	4.15	2.76	2.21	2.39	4.97	4.49	5.46	6.26	8.80	7.68	6.30	60.61
1931-32	4.33*	2.77	1.34	1.54	1.78	3.89	5.03	5.26	6.20	7.64	7.46	5.44	52.68
1932-33	5.02	4.28	1.90	1.92	3.07	4.21	3.77	5.62	7.36	8.53	8.11	6.17	59.96
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	64.17**
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	2.17	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	2.62**	3.62**	4.26	4.90	5.04	8.65	8.40	6.59	57.05**
1963-64	4.52	2.64	3.01	2.48	3.44	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	5.86	2.76	2.26	1.49	3.36	2.59	5.70	5.81	8.26	9.00	8.75	7.60	63.44
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.

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

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

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1946-47	4.96	2.51	2.17	3.18	2.42	3.10	4.86	5.90	6.24	10.95	8.90	8.42	63.61
1947-48	5.92	4.78	3.15	4.24	2.98	3.28	4.24	6.14	6.27	9.74	9.43	9.36	69.55
1948-49	5.56	5.34	2.48	1.96	1.78	3.06	5.08	5.66	7.81	9.06	9.56	8.97	66.32
1949-50	6.22	5.42	3.38	1.74	2.64	3.94	4.66	5.29	7.14	8.85	9.24	6.29	64.81
1950-51	6.78	4.82	3.90	2.50	2.87	4.48	3.34	6.06	6.62	9.07	9.13	7.62	67.19
1951-52	6.51	3.84	1.96	1.44	2.96	2.60	3.54	6.72	6.94	9.62	9.48	8.74	64.53
1952-53	6.87	3.34**	1.96**	2.54**	4.24	4.12**	4.12	6.90**	6.79	9.28	9.04	7.63	66.83**
1953-54	6.78	4.00	4.22	2.20**	3.78**	3.00	4.27	5.30	6.21	8.78	7.82	8.78	65.14**
1954-55	6.44	4.04	2.85	1.78	3.03	3.88	5.74	4.27	5.92	8.00	8.84	8.98	63.77
1955-56	5.67	3.47	1.92	2.04	2.30	5.00	3.67	4.74	7.16	8.10	8.78	9.40	62.25
1956-57	4.85	5.66	4.20	1.75	1.77	2.84	4.30	4.40	6.64	9.38	9.82	7.40	63.01
1957-58	3.73	3.18	2.74	2.84	1.78	2.24	4.16	6.48	7.54	8.97	7.94	8.92	60.52
1958-59	6.78	4.62	4.48	3.12	2.25**	5.44	5.30	5.38	7.38	9.00	9.04	6.74	69.53**
1959-60	6.80	5.82	4.18	2.52	2.90	4.06	6.16	7.03	8.33	10.49	9.30	9.34	76.93
1960-61	6.70	3.76	4.19	4.64	3.86	4.52	6.18	6.26	7.66	9.20	9.08	8.30	74.35
1961-62	7.64	4.76	2.58	3.46	1.96*	3.06	6.20	6.08	6.74	9.12	10.63	8.97	71.20**
1962-63	6.48	4.74	4.62	3.46	3.39**	4.37	4.66	5.32	5.28	9.45	9.39	8.52	69.68**
1963-64	5.46	3.80	4.90	4.06	5.32	5.17	4.94	5.91	6.96	10.30	9.18	8.20	74.20
1964-65	7.78	4.17	2.63**	3.00**	4.27	4.12	4.72**	6.46	5.29	9.52	10.03	7.47	69.46**
1965-66	9.34	4.20**	2.95**	3.73**	3.15**	4.88	6.34	5.90	8.02	10.29	8.80	7.85	75.45**
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	9.46*	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	6.90	9.05	9.48	8.24	70.18
1971-72	7.22	4.37	3.16	3.14	3.50	4.48	5.99	6.30	6.82	9.83	8.37	6.40	69.58
1972-73	4.84	3.63	3.30	2.74	2.02	3.12	5.23	5.44	7.24	8.14	7.85	6.13	59.68
1973-74	6.59	3.56**	2.90	2.38*	3.81	2.94**	5.64	5.49	7.56	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	63.48

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

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

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1964-65	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	3.95*	5.99	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	1.65	1.63	3.93	5.36	5.71	5.32	6.26	7.06	5.61	51.46
1968-69	3.55	2.60	1.69	1.30	1.49	3.21	4.77	4.70	4.22	6.11	7.12	5.18	45.94
1969-70	4.45	3.31**	1.94	1.29	1.60	3.14	5.76	5.58	5.92	7.27	7.14	5.72	53.12**
1970-71	3.86	2.90	1.40	1.65	2.36	3.28	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	3.06	4.62	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

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

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

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1953-54	N.I.	N.I.	N.I.	N.I.	N.I.	3.66	3.53	5.45	6.10	8.83	7.78	7.11	INC.
1954-55	5.25	2.85	3.81	2.57	3.08	4.68	7.02	5.27	5.35	7.50	8.56	7.87	63.81
1955-56	4.56	4.91	2.24	1.92	2.94	4.96	4.01	4.76	6.70	8.14	7.78	7.61	60.53
1956-57	5.39	6.52	4.60	3.76	1.95	4.24	4.38	4.98	6.70	8.34	8.94	6.43	66.23
1957-58	5.18	3.76	2.53	3.14	2.25	2.48	4.57	6.61	7.91	8.40	8.52	6.94	62.29
1958-59	6.81	5.00	4.42	3.71	4.88	6.12	6.04	6.96	7.42	9.82	8.90	6.96	77.04
1959-60	6.03	5.73	4.26	3.30	4.15	3.62	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

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

MONTHLY EVAPORATION SUMMARY
STATION NO. 8028
EAGLE ROCK RESERVOIR
48" DIAMETER U.S.W.B. TYPE A

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1955-56	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	7.84	7.05	8.18	INC.
1956-57	4.41	5.73	4.44	2.31	2.88	4.55	4.42	5.53	7.52	9.29	9.21	6.62	66.91
1957-58	4.11	3.65	3.40	3.77	3.25	2.95	5.96	6.80	7.84	8.28	7.55	7.19	64.75
1958-59	6.34	4.59	4.00	3.93	2.93	6.81	5.71	6.08	7.24	9.74	8.31	6.16	71.76
1959-60	5.37	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

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

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

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1946-47	3.66	2.02	1.12	2.58	1.07	2.12	4.24	4.42	4.96	6.44	5.94	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	99.79
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	3.18	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	1.76	3.29	4.08	4.56	4.92	5.93	5.75	4.78	44.18
1963-64	3.78	2.54	2.00	2.60**	3.20	2.80	4.61	5.12	4.92	6.05	6.02	4.02	47.66**
1964-65	3.32**	2.46*	1.36*	1.59**	1.90**	2.46**	3.13**	3.97	3.26**	3.98	5.80	4.67	37.90**
1965-66	INC.	2.46**	1.80*	2.49*	1.95**	2.99	3.98	4.49	5.41	5.98	6.01	4.74	INC.
1966-67	3.69	2.04	1.52**	1.72	2.09	2.73	3.41	4.90	4.70	6.20	5.83	4.69	43.52**
1967-68	3.98	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	2.86	2.02	1.77	3.46	4.88	5.02**	4.39	6.80	8.75	4.98	51.26**
1969-70	4.45	2.52	2.12	1.96**	2.78	3.42	5.52	6.14	5.82	8.04	7.22	6.15	56.14
1970-71	4.61**	INC.	2.01	1.82	2.05	2.65	4.74	4.20	5.22	6.76	7.25	5.38	INC.
1971-72	4.35	2.50	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

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

MONTHLY EVAPORATION SUMMARY
STATION NO. 1014F
RIO HONDO SPREADING GROUNDS
24" DIAMETER SCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1951-52	3.51*	2.16*	1.48	1.33	2.38	1.68	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

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

MONTHLY EVAPORATION SUMMARY
STATION NO. 1058B
PALMDALE
24" DIAMETER SCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1967-68	7.07	6.34	2.49	2.25	2.56	5.02	9.45*	12.68	16.73	18.20	13.81	12.00	108.60**
1968-69	7.53	4.79	3.51	2.34	2.34	4.44	6.69	9.48	11.35	13.64	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	3.39	2.57	1.68*	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

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

MONTHLY EVAPORATION SUMMARY
STATION NO. 1071B
DESCANSO GARDENS
24" DIAMETER SCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1953-54	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	4.46	6.55	5.22	5.12	INC.
1954-55	3.84	2.64	1.95	1.60	2.16	2.39	3.46	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	4.09	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	3.28	4.76	4.80	6.62	7.53	6.28	51.17

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

RUNOFF

The District operated or received data from 96 water-stage recording stations during the season. Data from 64 of those stations are summarized and published in this volume.

Of those stations published herein, two are operated by the United States Geological Survey and four by The Metropolitan Water District. The latter show the monthly quantities of imported water delivered for spreading under several cooperative agreements.

A map showing the location of all gaging stations currently operated by the District plus those which are the responsibility of the United States Geological Survey, the United States Corps of Engineers, and the Metropolitan Water District is included herein.

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:

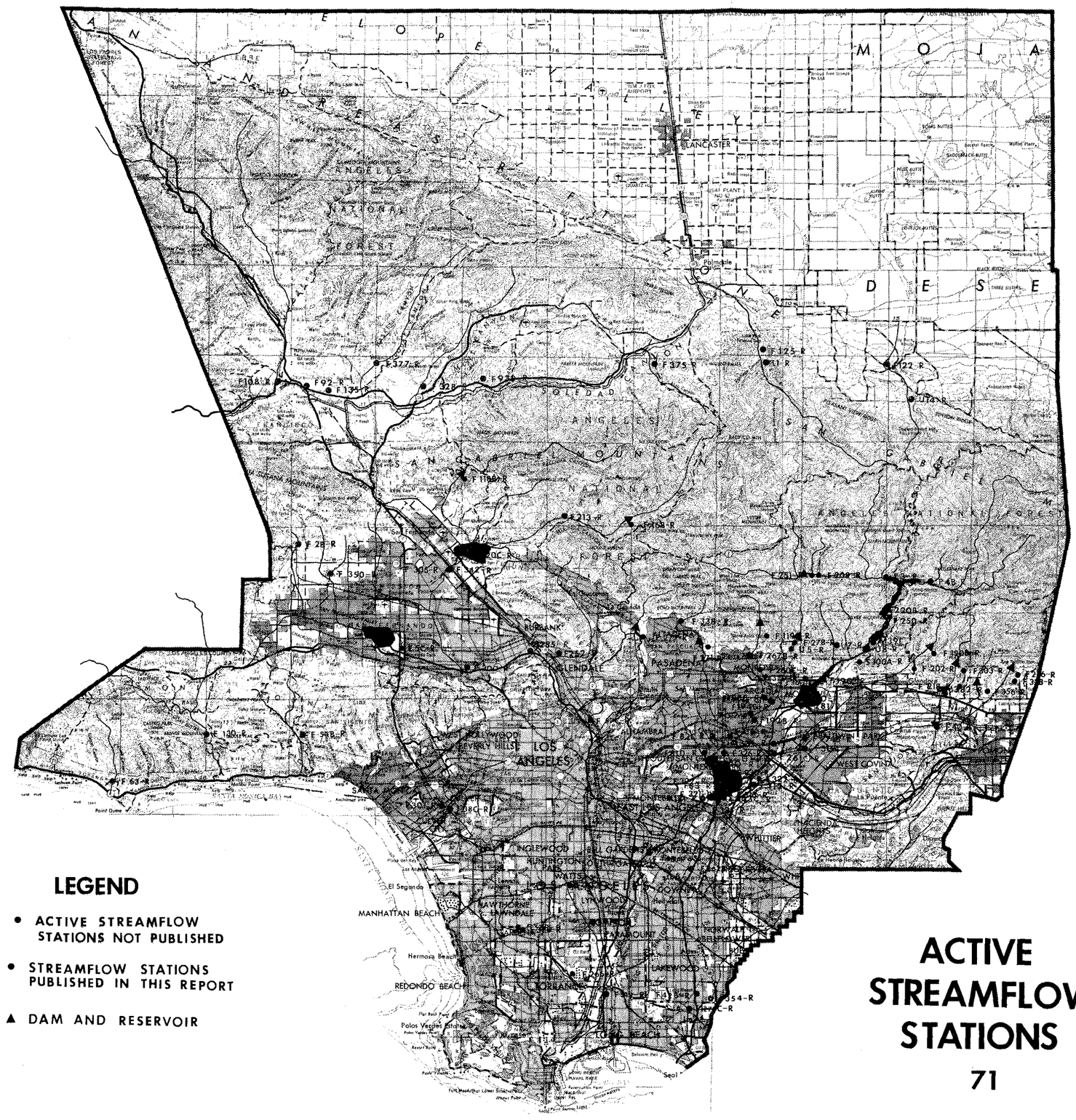
United States Geological Survey, Water Resources Division

United States Corps of Engineers

The Metropolitan Water District

San Gabriel River Water Committee

Lomita Boulevard in Harbor City Following Storm of December 3 and 4, 1974 - Los Angeles Times Photo



ACTIVE STREAMFLOW STATIONS

71

LEGEND

Stations are designated by letters and numbers which indicate ownership, operating 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.

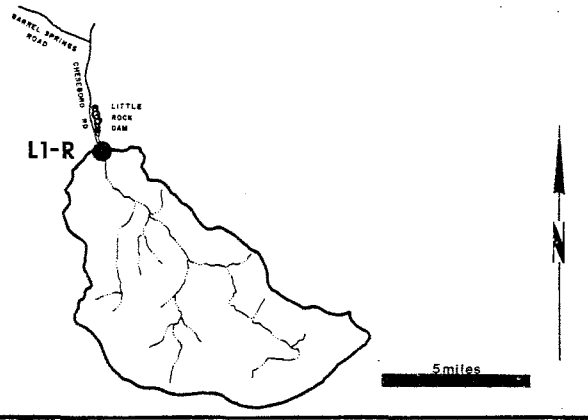
"f" - Gage height record partly estimated. (Estimated part represents less than 75 per cent of the flow; otherwise, a, b, c, or d is used.)

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

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

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

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 49.2 square miles

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

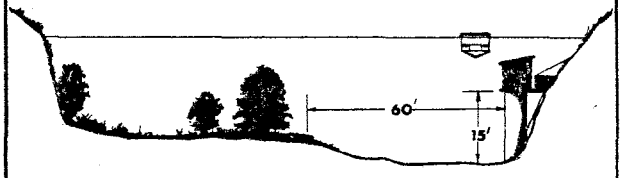
REGULATION – none

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

CONTROL – channel forms control

LENGTH OF RECORD – October 1, 1930, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO L1-R

DAILY DISCHARGE IN SECOND-FEET OF LITTLE ROCK CREEK above Little Rock Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	0	0.5	0.8	2.1	2.9	4.9	17	35	6.7	1.2	+	0
2	0	0.7	0.8	2.1	2.9	4.9	16	34	6.4	1.2	+	0
3	0	0.7	0.8	2.3	5.7	4.9	17	35	6.4	1.2	0	0
4	0	0.7	29	2.3	5.7	4.9	17	37	6.1	0.9	0	0
5	0	0.7	16	2.5	5.2	6.4	18	33	5.7	0.8	0	0
6	0	0.7	9.8	2.7	5.4	35	19	30	5.4	0.7	0	0
7	0.2	0.7	6.7	3.2	5.7	45	17	27	5.2	0.6	0	0
8	b 2.0	0.7	5.4	3.6	6.1	124	17	27	4.9	0.5	0	0
9	b 1.0	0.6	4.4	3.9	11	64	22	26	4.4	0.5	0	0
10	0.6	0.6	3.6	3.9	20	37	22	25	4.2	0.4	0	0
11	0.4	0.5	2.9	3.6	15	27	22	25	3.9	0.4	0	0
12	e 0.2	0.5	2.3	3.4	12	22	22	27	3.6	0.2	0	0
13	e 0.1	0.5	2.1	3.4	11	19	23	27	3.6	0.2	0	0
14	+	0.5	2.1	3.4	11	19	31	25	3.2	0.1	0	0
15	+	0.5	2.1	3.4	9.8	16	30	22	2.9	0.1	0	0
16	0	0.5	1.8	3.4	9.1	17	28	20	2.9	0.2	0	0
17	0	0.6	1.8	3.2	8.0	16	27	19	2.7	0.2	0	0
18	0	0.6	1.6	3.2	7.4	17	24	17	2.7	0.3	0	0
19	0	0.6	1.6	2.9	6.4	24	24	17	2.7	0.3	0	0
20	0	0.6	1.6	3.2	6.4	35	27	16	2.9	0.1	0	0
21	0	0.7	1.6	2.9	6.1	33	32	14	2.7	0.1	0	0
22	0	0.7	1.6	2.9	5.4	36	37	14	2.5	+	0	0
23	0	0.7	1.2	2.9	4.9	30	38	12	2.1	+	0	0
24	0	0.7	0.7	2.9	4.6	28	39	11	2.1	+	0	0
25	0	0.7	0.7	2.7	4.6	36	42	10	2.1	+	0	0
26	0	0.8	0.9	2.7	4.6	a 33	38	9.5	1.8	+	0	0
27	0	0.8	1.4	2.9	4.6	a 30	33	8.7	1.6	+	0	0
28	0	0.8	1.8	2.9	4.6	a 27	32	8.4	1.6	+	0	0
29	e 0.1	0.8	2.0	2.9		a 24	34	7.7	1.4	+	0	0
30	0.1	0.8	2.0	2.9		a 21	34	7.4	1.4	+	0	0
31	0.4		2.1	2.9		a 18		7.0		+	0	
MEAN	0.16	0.65	3.65	3.01	7.36	27.7	26.6	20.4	3.53	0.33	+	0
ACRE-FEET	10	39	225	185	409	1700	1580	1260	210	20	+	0

YEAR OR PERIOD MEAN 7.79
ACRE-FEET 5640

2059 FCD 10/73

STATION DATA SUMMARY

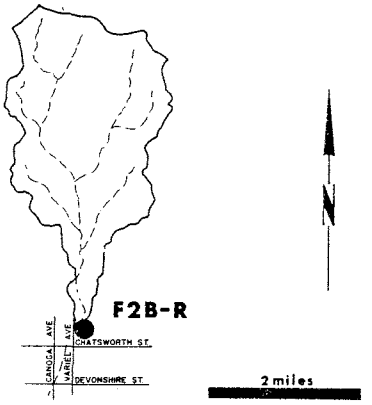
STA. NO. L1-R
LITTLE ROCK CREEK ABOVE LITTLE ROCK DAM

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1930-31	195	0	5.0	3610	4	26	430
1931-32	830	0	*	16730*	2	8	2200
1932-33	56	0	5.8	4180	3	9	66
1933-34	455	0	5.2	3770			N.D.
1934-35	716	0	24.4	17640	2	5	925
1935-36	127	0	4.6	3320	2	23	261
1936-37	679	0	30.3	21950	2	6	1550
1937-38	N.D.	0	N.D.	N.D.	3	2	17000
1938-39	NO RECORD						
1939-40	183	0	9.6	7000	1	8	555
1940-41	1730	0	71.3	51620	2	20	2240
1941-42	55	+	7.1	5140	4	14	92
1942-43	2730 E	0	49.5	35870	1	23	5700
1943-44	736	0.8	49.6	35940	2	22	902
1944-45	323	0.1	12.8	9250	11	11	1080
1945-46	604	0	16.7	12150	12	21	1100
1946-47	1740	0	21.9	15840	12	26	3180
1947-48	62	0	3.4	2450	4	29	122
1948-49	33	0	4.4	3170	4	14	37
1949-50	114	0	3.4	2470	2	6	212
1950-51	4.7	0	0.6	432	5	4	5.0
1951-52	311	0	31.6	22890	12	30	502
1952-53	33	0	4.2	3020	1	9	36
1953-54	328	0	11.6	8430	1	25	655
1954-55	116	+	10.1	7310	11	11	236
1955-56	424	0	7.5	5470	1	26	1050
1956-57	399	0	6.3	4560	1	13	1040
1957-58	521	0	40.7	29500	12	15	1070
1958-59	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

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

STATION NO. F2B-R
BROWNS CREEK
at Variel Avenue

drainage area



RECORDER - continuous water stage

METHOD OF MEASUREMENTS - wading

DRAINAGE AREA - 13.5 square miles

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

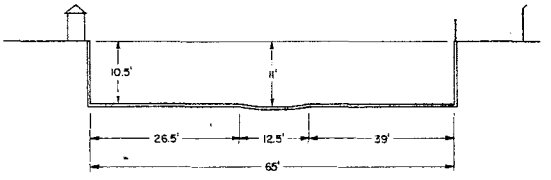
REGULATION - none

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

CONTROL - concrete stabilizer

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

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F2B-R

DAILY DISCHARGE IN SECOND-FEET OF BROWNS CREEK at Variel Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1				.08	0.08	.4	.6	.6	+	+	+	0
2				.08	2.2	.3	.6	.6	+	0	0	0
3				.08	3.3	.3	.6	.6	+	+	+	0
4				.08	1.6	.3	.8	.4	+	0	+	0
5				.08	1.0	3.1	2.3	.4	+	+	+	0
6				.08	.8	3.0	1.9	.4	+	0	+	0
7				.08	.8	1.9	1.2	.3	+	+	0	0
8				.08	.8	27.	1.2	.3	+	+	+	0
9				.08	2.6	2.3	2.3	.3	+	+	+	0
10				.08	1.6	5.9	1.2	.2	+	+	0	0
11				.04	.8	1.6	1.0	.2	+	+	+	+
12				.04	.8	1.2	.8	.08	+	+	0	+
13				.04	.6	1.2	.8	.2	+	0	0	0
14				.04	.4	1.2	.8	.2	+	+	0	0
15				.04	.3	1.2	1.0	.2	+	0	0	+
16				.08	.3	1.0	.8	.3	.04	+	0	+
17				.04	.3	1.0	.8	.2	.04	0	0	+
18				.04	.3	1.0	.8	.2	.08	+	0	0
19				.04	.3	1.0	.8	.3	.2	0	0	+
20				.04	.3	1.0	.8	.3	.2	+	0	0
21			.4	.08	.3	1.0	.8	.3	.2	+	0	0
22			.4	+	.3	1.6	.8	.2	.2	+	0	+
23			.4	.04	.3	.8	.8	.08	.2	+	0	+
24			.4	.08	.3	.8	.8	.08	.2	0	0	+
25			.6	.08	.3	.8	.8	.08	.08	+	0	+
26			.6	.08	.3	.8	.8	.04	.08	+	0	+
27			.8	.2	.3	.6	.8	.08	.04	0	0	0
28			1.6	.08	.4	.6	.8	.04	.04	+	0	0
29			.4	.08		.4	.6	.04	.04	0	0	+
30			.3	.08		.6	.6	+	+	+	0	+
31			.2	.2		.6		+		0	0	
MEAN	Inc.	Inc.	.20	.07	.77	2.08	.96	.23	.05	+	+	+
ACRE-FEET	Inc.	Inc.	12.1	4.44	43.0	128.	56.9	14.3	3.25	+	+	+

YEAR OR PERIOD MEAN ACRE-FEET Inc. / Inc.

2959 FCD 10/73

STATION DATA SUMMARY

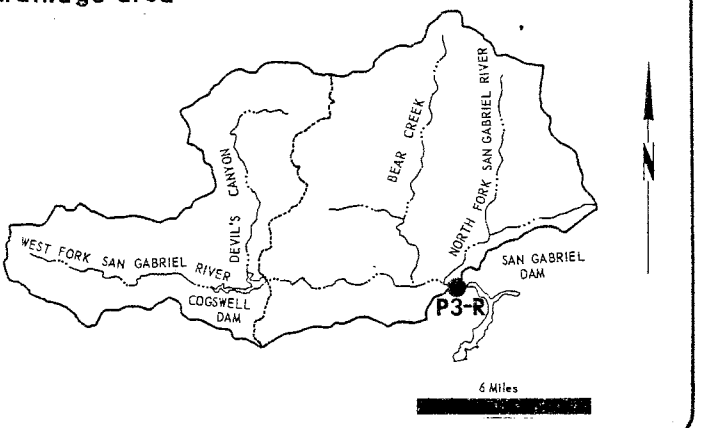
STA. NO. F28-R
BROWNS CREEK AT VARIEL AVENUE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1961-62B	336	0	2.7	1960	2	11	782
1962-63	6.9	0	+	32	3	16	55
1963-64	1.4	0	+	3.8	1	22	21
1964-65	14	0	0.1	87	4	8	47
1965-66	202	0	2.4	1700	11	17	2020
1966-67	110	0	1.4	980	12	6	379
1967-68	38	0	0.3	211	11	21	67
1968-69	539	0	6.4	4670	2	25	1720
1969-70	53	0	0.5	378	3	1	227
1970-71	370	0	2.5	1820	11	29	4290
1971-72	24	0	0.2	170	12	24	93
1972-73	68	0	1.4	1010	2	11	778
1973-74	NO RECORD						
1974-75	*	0	*	*			*

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

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

drainage area



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

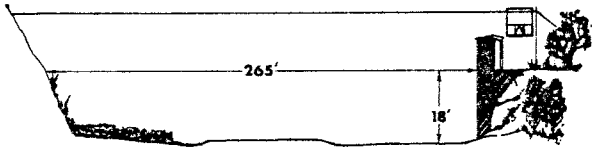
CHANNEL - natural, sand, gravel, and boulders

CONTROL - subject to shifts in natural bottom

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

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

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO P3-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER - West Fork Above Forks FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	26	49	13	17	15	15	28	46	26	16	32	25
2	26	49	13	16	16	15	26	44	26	16	32	26
3	26	49	14	16	56	15	23	42	26	16	32	26
4	28	47	95	16	35	15	23	44	26	15	32	25
5	29	47	20	16	28	21	38	41	26	14	33	25
6	29	46	20	16	22	175	44	41	25	14	33	25
7	32	44	20	16	20	116	33	39	23	16	33	25
8	32	44	19	16	20	164	32	38	23	16	35	26
9	29	42	18	16	47	79	44	36	22	15	33	28
10	29	42	18	16	52	100	42	36	21	14	32	28
11	28	42	17	16	35	93	54	35	20	13	32	28
12	26	41	17	17	29	72	46	35	20	13	32	28
13	26	41	17	17	26	68	49	35	20	12	33	28
14	26	41	16	17	25	88	52	36	20	12	32	26
15	26	41	16	16	25	66	60	39	20	12	33	28
16	25	41	16	16	25	60	58	41	20	12	32	35
17	25	41	16	16	23	52	60	38	21	12	32	27
18	25	41	16	16	22	49	60	39	22	13	32	11
19	26	41	16	16	22	49	58	41	23	12	32	40
20	26	41	16	16	21	47	56	44	21	12	29	32
21	26	41	15	15	20	46	58	41	20	12	30	32
22	26	33	15	15	20	54	60	41	20	12	28	32
23	30	15	15	15	19	46	58	38	19	15	28	32
24	28	14	15	15	17	41	56	36	19	30	26	32
25	35	13	15	15	17	42	58	33	19	32	28	30
26	47	13	15	15	16	41	54	30	18	30	28	32
27	47	13	15	15	16	36	50	32	17	30	26	32
28	56	13	28	16	15	33	49	30	16	30	26	33
29	52	13	25	14		32	49	28	16	32	28	33
30	49	13	19	15		29	47	28	16	32	26	33
31	49		18	16		29		26		32	23	
MEAN	31.9	35.0	19.6	15.8	25.1	57.7	47.5	37.2	21.0	18.1	30.4	28.8
ACRE-FEET	1960	2080	1210	972	1400	3550	2830	2290	1250	1110	1870	1710

YEAR OR PERIOD MEAN 30.7
ACRE-FEET 22230

2089 FCD 10/73

STATION DATA SUMMARY

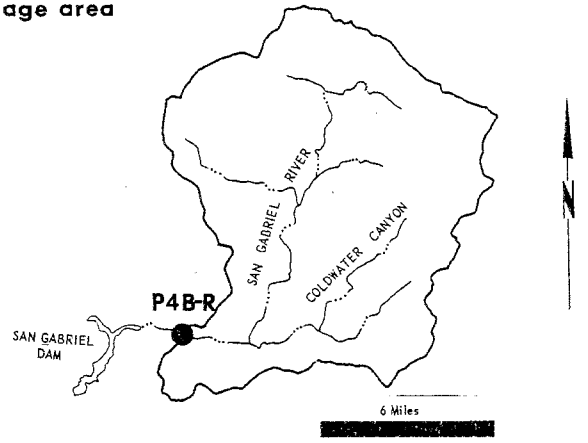
STA. NO. P3-R
SAN GABRIEL RIVER - WEST FORK ABOVE FORKS

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK MON	PEAK DAY	PEAK FLOW CFS
1927-28	704	1.6	17.9	15180	2	4	1620
1928-29	422	0	20.7	14960	4	4	775
1929-30	225	1.9	25.5	18470	3	15	301
1930-31	676	1.2	20.2	14630	4	26	1530
1931-32	598	1.4	76.3	55360	2	9	3790
1932-33	1360	2.5	33.1	23990	1	19	3460
1933-34	3340	1.5	34.5	24990	1	1	5320
1934-35	1180	1.9	77.5	56110	4	8	1840
1935-36	312	2.5	31.8	23070	2	12	752
1936-37	1640	2.7	133	96590	2	14	2000
1937-38	*	13	237	171900E	3	2	34000E
1938-39	1140	7.5	46.5	33660	9	25	2530
1939-40	369	6.5	38.2	27720	1	8	1220
1940-41	2870E	7.0	237	171400	2	20	3000E
1941-42	183	6.5	32.9	23810	12	29	288
1942-43	11300E	6.5	211	153000	1	23	20000E
1943-44	4000	19	144	104500	2	22	5760
1944-45	719	14	51.5	37260	11	11	3950
1945-46	1830	8.0	65.3	47330	3	30	2620
1946-47	2270	7.6	83.0	60120	12	26	4150
1947-48	135	3.0	17.1	12450	4	29	329
1948-49	55	2.3	14.5	10510	1	20	78
1949-50	122	2.2	15.6	11260	12	18	280
1950-51	21	0.7	4.8	3460	4	29	28
1951-52	2690	1.1	115	83500	1	16	7520
1952-53	380	2.0	32.1	23210	12	1	475
1953-54	514	2.2	32.0	23190	1	25	953
1954-55	83	3.8	17.8	12850	4	30	165
1955-56	504	2.8	17.0	12350	1	26	1230
1956-57	597	3.5	18.5	13350	1	13	1670
1957-58	1780	5.4	145	104700	4	3	3570
1958-59	664	6.5	29.2	21150	1	6	2380
1959-60	48	2.7	11.5	8350	1	10	128
1960-61	79	1.2	7.1	5160	11	5	447
1961-62	3800	1.5	83.9	60730	2	11	7830
1962-63	276	2.5	18.9	13720	2	9	2010
1963-64	195	1.9	13.7	9970	6	24	414
1964-65	228	1.7	21.1	15270	4	9	534
1965-66	4000	2.7	160	115600	12	29	13000
1966-67	2320	7.0	143	103600	12	6	4700
1967-68	559	12	47.5	34460	11	19	1400
1968-69	4370	11	363	262900	2	25	26000
1969-70	788	12	49.7	35840	2	28	2370
1970-71	1590	12	46.7	33810	11	29	6230
1971-72	453	5.5	20.3	14740	12	24	791
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

E = ESTIMATE
* = RECORD INCOMPLETE

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

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 88.2 square miles

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

REGULATION – none

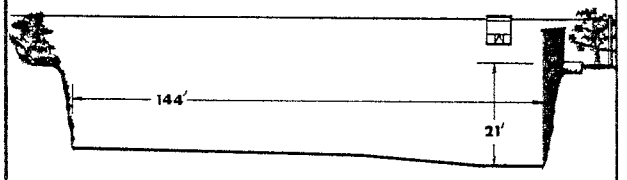
CHANNEL – sand, gravels, and boulders, natural section

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

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

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

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO P4B-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER - East Fork Above Forks FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	9.0	13	11	11	10	18	55	51	a 27	21	15	11
2	10	15	11	11	11	18	52	52	a 27	19	15	11
3	10	14	11	11	32	18	52	54	a 28	20	15	10
4	11	13	70	11	23	18	52	57	a 24	23	15	10
5	11	13	42	11	21	23	57	56	a 23	23	15	9.6
6	11	13	30	11	19	119	54	54	a 23	21	15	9.3
7	15	13	24	11	19	66	44	54	a 20	21	15	9.0
8	17	12	20	11	19	101	43	54	a 21	21	15	8.7
9	14	11	18	11	38	80	47	55	a 22	22	14	8.4
10	15	11	17	11	52	70	48	60	22	22	14	8.7
11	12	11	16	11	33	66	49	60	22	22	14	8.7
12	12	10	14	11	28	50	47	60	22	22	14	9.3
13	13	10	13	11	26	51	48	63	22	20	14	10
14	13	10	12	11	25	67	52	62	22	21	11	10
15	14	11	12	11	24	64	54	62	21	22	10	10
16	13	11	11	11	24	64	52	62	22	20	13	11
17	13	11	11	10	23	64	51	58	21	19	14	11
18	12	12	11	10	22	64	46	57	20	18	12	11
19	12	12	11	10	22	65	43	56	20	16	12	11
20	12	12	10	10	21	66	40	57	20	16	12	11
21	12	12	10	10	20	67	38	54	21	16	11	11
22	12	12	11	10	19	71	40	51	20	16	11	11
23	12	12	11	10	19	67	38	47	21	15	11	12
24	12	11	11	10	19	65	40	45	21	15	11	11
25	12	11	10	9.6	19	69	43	46	20	15	11	11
26	13	11	9.6	9.0	19	68	42	40	19	14	11	11
27	13	10	9.6	10	19	66	42	37	22	14	11	11
28	19	10	16	11	19	62	44	36	21	15	11	11
29	17	10	14	10		60	46	34	20	16	11	11
30	14	11	13	11		55	49	34	20	15	11	11
31	14		12	11		55		33		15	11	
MEAN	12.9	11.6	16.2	10.6	26.9	59.9	46.9	51.6	21.8	18.6	12.7	10.3
ACRE-FEET	791	690	996	650	1280	3680	2790	3180	1300	1140	783	614

YEAR OR PERIOD MEAN 24.7
ACRE-FEET 17890

2359 FCD 10/73

STATION DATA SUMMARY

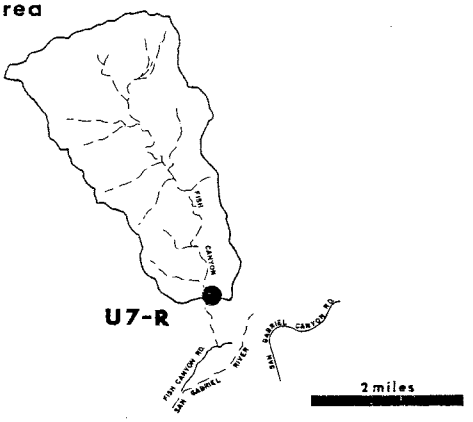
STA. NO. F48-R
SAN GABRIEL RIVER - EAST FORK ABOVE FORKS

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

E = ESTIMATE
* = RECORD INCOMPLETE

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

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading

DRAINAGE AREA – 6.36 square miles

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

REGULATION – none

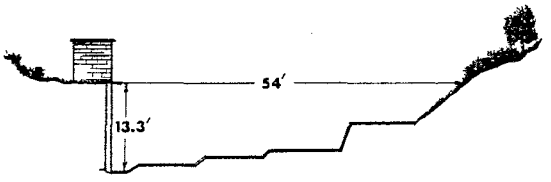
CHANNEL – natural, rock and gravel

CONTROL – concrete control

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

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

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO U7-R

DAILY DISCHARGE IN SECOND-FEET OF FISH CREEK above Mouth of Canyon FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.9	1.7	0.9	a 1.7	1.4	a 2.1	3.5	3.3	1.6	0.9	0.7	0.4
2	1.1	1.7	0.9	a 1.7	1.3	a 2.1	3.1	3.2	1.7	0.8	0.6	0.4
3	1.2	1.7	0.9	a 1.8	10.0	a 2.1	3.1	3.1	1.6	0.9	0.6	0.3
4	1.4	1.7	14.1	a 1.7	6.5	a 2.1	3.2	3.2	1.6	1.0	0.6	0.3
5	1.4	1.6	2.0	a 1.7	a 5.4	a 2.1	7.2	3.0	1.6	0.9	0.5	0.3
6	1.3	1.6	1.6	a 1.7	a 4.9	a 29.8	8.1	2.9	1.5	0.7	0.5	0.3
7	1.7	1.6	1.3	a 1.8	a 4.8	a 16.9	6.2	2.8	1.4	0.7	0.5	0.3
8	1.9	1.7	d 1.3	a 1.8	a 4.6	a 25.9	6.0	2.7	1.5	0.7	0.5	0.4
9	1.6	1.6	d 1.6	f 1.8	a 7.8	a 17.6	9.3	2.6	1.4	0.8	0.5	0.5
10	1.4	1.5	d 1.6	1.7	a 6.6	a 20.0	9.0	2.5	1.4	0.7	0.5	0.6
11	1.4	1.5	d 1.5	1.7	a 3.8	a 14.6	10.3	2.3	1.3	0.7	0.5	0.6
12	1.2	1.5	1.4	1.6	a 3.2	10.4	8.8	2.3	1.2	0.7	0.5	0.6
13	1.0	1.5	1.3	1.5	a 2.6	10.5	8.3	2.2	1.3	0.7	0.5	0.6
14	0.9	1.6	1.3	1.5	a 2.6	17.0	8.1	2.2	1.3	0.7	0.5	0.5
15	0.8	1.6	1.3	1.4	a 2.5	11.7	9.3	2.2	1.4	0.7	0.5	0.5
16	0.8	1.4	1.2	1.3	a 2.5	10.4	8.3	2.3	1.6	0.6	0.5	0.4
17	0.8	1.3	1.2	1.3	a 2.4	8.5	7.5	2.2	1.7	0.7	0.5	0.4
18	0.8	1.3	1.2	1.3	a 2.4	7.5	6.8	2.1	1.7	0.8	0.5	0.4
19	1.0	1.3	1.2	1.3	a 2.3	6.4	6.0	2.3	1.8	0.7	0.6	0.4
20	1.2	1.3	1.2	1.3	a 2.3	5.5	5.4	2.9	1.7	0.7	0.6	0.4
21	1.4	1.3	1.1	1.3	a 2.3	5.0	5.0	2.4	1.7	0.7	0.6	0.4
22	1.5	1.3	1.1	1.3	a 2.2	9.9	4.9	2.2	1.6	0.7	0.6	0.3
23	1.6	1.2	1.2	1.3	a 2.3	6.2	4.8	2.1	1.5	0.7	0.5	0.2
24	1.6	1.1	1.3	1.3	a 2.3	5.0	4.4	2.1	1.6	0.7	0.4	0.2
25	1.4	1.1	1.3	1.2	a 2.2	5.5	4.7	2.1	1.4	0.7	0.4	0.2
26	1.6	1.1	1.2	1.0	a 2.2	4.6	4.0	1.9	1.0	0.7	0.4	0.2
27	1.7	1.1	1.2	0.9	a 2.2	4.1	3.7	1.7	1.2	0.7	0.4	0.3
28	5.0	1.0	2.3	1.3	a 2.1	3.8	3.6	1.5	1.3	0.7	0.4	0.4
29	2.3	1.0	2.3	1.3		3.5	3.4	1.4	1.1	0.7	0.4	0.4
30	1.8	0.9	1.8	1.4		3.3	3.3	1.4	1.1	0.8	0.4	0.5
31	1.7		a 1.7	1.4		3.4		1.4		0.8	0.4	
MEAN	1.5	1.4	1.8	1.5	3.5	9.0	6.0	2.3	1.5	0.7	0.5	0.4
ACRE-FEET	90.0	82.9	110	89.8	194	550	356	144	86.9	45.6	30.9	23.2

YEAR OR PERIOD MEAN 2.49
ACRE-FEET 1800

2099 FCD 10/73

STATION DATA SUMMARY

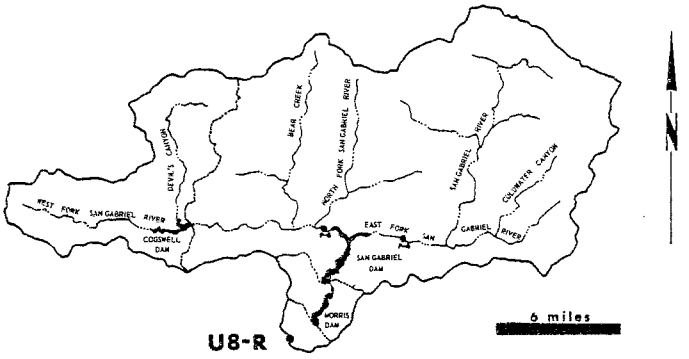
STA. NO. U7-R
FISH CREEK ABOVE MOUTH OF CANYON

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	1.0	13.2	9520	3	2	2100
1938-39	50	0.2	2.4	1750	12	19	172
1939-40	43	0.1	2.2	1570	1	8	225
1940-41	255	0.1	12.9	9340	3	4	443
1941-42	23	0.1	1.4	1030	12	10	44
1942-43	874	0.1	14.8	10720	1	23	2100
1943-44	325	0.5	5.8	4200	2	22	680
1944-45	106	0.2	3.6	2580	11	11	400
1945-46	156	0.1	3.2	2310	12	23	540
1946-47	140	0.1	4.0	2910	12	26	400
1947-48	8.8	N.D.	0.7	536	4	28	28
1948-49	18	N.D.	0.8	610	1	20	35
1949-50	37	0	1.2	888	12	18	157
1950-51	5.6	0	0.3	237	4	28	16
1951-52	348	0	8.3	6060	1	16	1360
1952-53	18	0	1.1	813	12	1	252
1953-54	110	0	2.1	1510	1	25	376
1954-55	15	0	0.8	567	1	18	39
1955-56	155	0	1.5	1100	1	26	544
1956-57	33	0	0.9	674	1	13	108
1957-58	212	0	7.8	5680	4	3	608
1958-59	200	0.1	2.2	1590	12	6	2000E
1959-60	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

N.D. = NOT DETERMINED
E = ESTIMATE

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

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 212.4 square miles

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

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

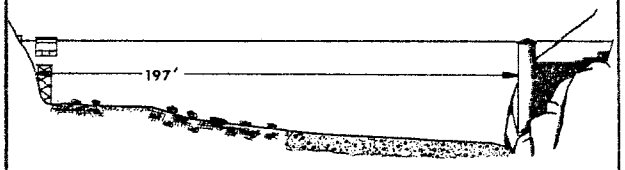
CHANNEL – gravel and boulders, natural section

CONTROL – 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

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO U8-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER below Morris Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	0	0	0	0	0	0	0	139	153	0	0	0
2	0	0	0	0	0	0	0	138	153	0	0	0
3	0	0	0	0	0	0	0	138	153	0	0	0
4	0	1.4	0	0	0	0	0	138	143	0	0	0
5	0	0	0	0	0	0	0	138	128	0	0	0
6	0	0	0	0	0	0	0	138	127	0	0	0
7	0	0	0	0	0	0	0	139	127	0	0	0
8	0	0	0	0	0	0	127	139	126	0	0	0
9	0	0	0	0	0	0	248	141	126	0	0	0
10	0	0	0	0	0	0	248	141	126	0	0	0
11	0	0	0	0	0	0	248	141	126	0	0	0
12	0	63	0	0	0	0	248	140	126	0	0	0
13	0	67	0	0	0	0	248	139	126	0	0	0
14	0	69	0	0	0	0	242	139	126	0	0	0
15	0	69	0	0	0	0	242	139	126	0	0	0
16	0	45	0	0	0	0	242	139	126	0	0	0
17	0	28	0	0	0	0	242	139	138	0	0	0
18	0	28	0	0	0	0	128	140	147	0	0	0
19	0	28	0	0	0	17.6	0	139	99	0	0	0
20	0	28	0	0	0	19.6	0	140	0	0	0	0
21	0	28	0	0	0	0	52	140	0	0	0	0
22	0	28	0	0	0	0	28	139	0	0	0	0
23	0	27	0	0	0	0	12	152	0	0	0	0
24	0	27	0	0	0	0	0	174	0.5	0	0	0
25	0	27	0	0	0	0	0	174	0	0	29	0
26	0	27	0	0	0	0	0	174	0	0	0	0
27	0	18.1	0	0	0	0	93	176	0	0	7.6	0
28	0	0	0	0	0	0	151	176	0	0	15.1	0
29	0	0	0	0	-	0	145	158	0	0	6.0	0
30	0	0	0	0		0	138	153	0	0	1.9	0
31	0		0	0		0		153		0	0	
MEAN	0	20.3	0	0	0	1.20	103	147	83	0	1.92	0
ACRE-FEET	0	1210	0	0	0	74	6110	9030	4960	0	118	0

YEAR OR PERIOD MEAN 29.7
ACRE-FEET 21500

Additional information:

Releases of imported water are made occasionally from the Metropolitan Water District outlet below Morris Dam. These releases are published in this report as the record of Station No. M391. Releases from this outlet flow past Gaging Station No. U8-R and are included in the record of that station.

Average discharge of local water for an 80-year period is 152 second-feet (adjusted for regulations and diversions).

Normal unregulated flow adjusted for storage in reservoirs, evaporation and diversion to the Azusa Conduit.

Month	1974-75 A.F.
October	1,750
November	1,670
December	3,020
January	2,110
February	3,520
March	11,760
April	8,990
May	6,590
June	3,260
July	1,370
August	1,270
September	1,130
TOTAL	46,940

STATION DATA SUMMARY

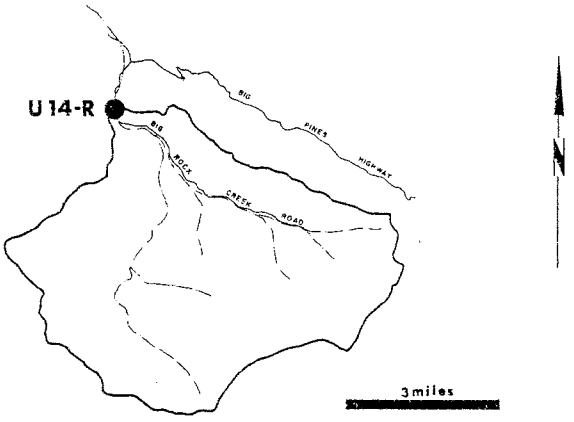
STA. NO. U8-R
SAN GABRIEL RIVER BELOW MORRIS DAM

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK MON	PEAK DAY	FLOW 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	76000			N.D.
1903-04	1070	0	9.3	6720			N.D.
1904-05	2960	0	172	124000			N.D.
1905-06	7950	0	262	190000			N.D.
1906-07	6730	0	406	293000			N.D.
1907-08	1160	0	46.4	33700			N.D.
1908-09	7030	0	197	143000			N.D.
1909-10	12400	0	137	99100	1	1	13900
1910-11	9100	0	321	231000	3	10	13500
1911-12	2950	0	55.5	40300			N.D.
1912-13	1880	0	25.6	18600			N.D.
1913-14	11400	0	359	260000	2	20	18100
1914-15	1110	0	104	77900	1	29	2770
1915-16	22300	0	315	228000	1	18	40003
1916-17	3400	0	49.3	35700			N.D.
1917-18	4940	0	123	88600	3	17	8680
1918-19	76	0	3.2	2290	2	11	230
1919-20	2400	0	94.6	68700	3	2	5000
1920-21	2050	0	40.1	29000	3	14	4000
1921-22	16000	0	505	365000	12	19	22300
1922-23	2250	0	44.0	31800	12	13	3670
1923-24	253	0	3.5	2540	3	24	510
1924-25	588	0	4.2	3030	3	4	3000
1925-26	5530	0	113	81700	4	7	14000
1926-27	11400	0	123	88900	2	16	18200
1927-28	672	0	4.1	2960	2	4	1810
1928-29	411	0	10.0	7210	3	10	805
1929-30	396	0	21.5	15600	3	15	588
1930-31	601	0	9.5	6900	4	24	1450
1931-32	5830	0	120	87200	2	9	7501
1932-33	1630	0	21.9	15900	1	14	5820
1933-34	2380	0	30.4	22080	1	1	4120
1934-35	460	0	102	74080	2	9	507
1935-36	224	0	31.6	22980	4	11	455
1936-37	1770	0	195	141100	2	20	1950
1937-38	21600	0.1	415	300200	3	2	45700
1938-39	316	6.5	53.5	38690			N.D.
1939-40	506	0	50.5	36660	6	26	506
1940-41	3470	0	317	229300	3	4	4660
1941-42	370	2.5	13.1	9480	4	20	422
1942-43	10370	2.0	334	242000	1	23	12100
1943-44	2710	3.6	184	133700	2	22	5170
1944-45	980	6.1	67.8	45600	2	6	988
1945-46	937	0.3	75.9	54930	12	23	981
1946-47	2930	0	74.9	54220	12	31	2980
1947-48	1170	0	14.1	13170	4	2	1320
1948-49	61	0	5.7	4140	10	27	79
1949-50	7.9	0	0.7	51	7	31	9.2
1950-51	47	0	6.6	4220	4	27	168
1951-52	3530	0	91.1	66120			N.D.
1952-53	1190	0	69.4	50240			N.D.
1953-54	460	0	34.6	25030	4	14	9420
1954-55	9.9	0	0.1	86	9	26	10
1955-56	43	0	0.2	176	9	31	45
1956-57	650	0	12.4	9010	4	14	656
1957-58	2470	0	241	174100	4	5	2780
1958-59	348	0	11.3	8200	2	26	364
1959-60	0	0	0	0			
1960-61	7.5	0	1.7	1250	5	6	9.1
1961-62	1520	0	102	73990	2	12	1660
1962-63	27	0	1.0	712	9	4	45
1963-64	22	0	0.2	167	8	25	50
1964-65	276	0	10.7	481	6	12	291
1965-66	7260	0	225	162900	11	23	8660
1966-67	3750	0	232	167900	12	6	5680
1967-68	236	0	31.7	23030	11	25	326
1968-69	19300	0	750	543000	2	25	24850
1969-70	1060	0	52.4	37970	2	24	1102
1970-71	434	0	31.4	22760	1	6	434
1971-72	294	0	15.3	11090	12	8	290
1972-73	849	0	131	94790	3	19	918
1973-74	310	0	60.8	44010	11	7	366
1974-75	248	0	29.7	21500	VARIOUS		248

N.D. = NOT DETERMINED

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

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 22.9 square miles

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

REGULATION – none

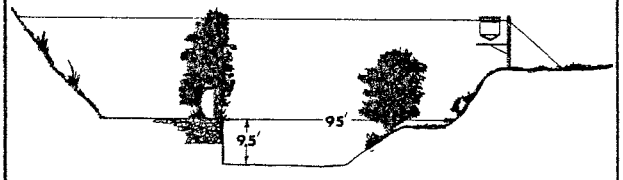
CHANNEL – natural; sand, gravel, and boulders

CONTROL – channel forms control

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

REMARKS - operated and maintained by USGS

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO U14-R

DAILY DISCHARGE IN SECOND-FEET OF BIG ROCK CREEK above Mouth of Canyon FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	4.0	4.9	4.4	5.4	4.0	5.9	12	14	11	7.0	3.7	4.0
2	4.0	4.9	4.4	5.4	4.0	5.9	12	14	11	7.0	3.7	4.0
3	4.0	4.4	4.4	5.4	5.4	5.9	12	15	11	7.0	3.7	4.0
4	4.0	4.4	8.1	5.4	4.9	6.4	12	15	10	7.0	3.7	4.0
5	4.0	4.4	5.2	5.4	4.4	7.6	12	15	10	6.4	3.7	4.0
6	4.0	4.4	4.9	4.9	4.4	17	11	14	10	6.4	3.7	4.0
7	5.4	4.4	4.4	4.9	4.4	12	11	14	9.7	6.4	3.1	4.0
8	5.3	4.0	4.4	4.4	4.4	18	10	14	9.7	6.4	4.0	4.0
9	5.2	4.0	4.4	4.0	4.4	16	11	14	9.7	6.4	4.4	4.0
10	5.1	4.0	4.4	4.0	7.0	14	11	14	8.9	6.4	4.4	4.0
11	4.5	4.0	4.0	4.0	6.4	11	11	15	8.9	6.4	4.4	4.0
12	4.0	4.0	4.0	4.0	6.0	12	11	15	8.9	6.4	4.6	3.7
13	4.0	4.0	4.0	4.0	5.4	12	11	15	8.9	6.4	4.4	3.7
14	4.0	4.0	4.0	3.7	5.4	12	11	16	8.2	5.9	4.4	3.7
15	4.0	4.0	4.0	3.7	5.4	11	11	15	8.2	5.9	4.4	3.7
16	4.0	4.0	4.0	3.7	5.4	11	11	15	8.2	5.9	4.9	3.7
17	3.7	4.0	4.0	3.7	5.4	11	10	14	7.6	6.4	4.9	4.0
18	3.7	4.0	4.0	3.7	5.4	11	9.7	15	7.6	6.4	4.9	4.0
19	4.0	4.4	4.0	3.7	5.4	12	9.7	15	7.6	7.0	5.4	4.0
20	4.0	4.4	4.0	3.7	5.4	13	10	15	8.2	7.0	5.4	3.7
21	4.0	4.4	4.0	3.7	5.4	14	11	14	8.2	6.4	5.4	3.7
22	4.0	4.4	4.4	3.7	5.9	14	13	14	7.6	6.4	5.4	3.7
23	4.0	4.4	4.0	3.7	5.9	14	14	14	7.6	5.9	4.9	3.7
24	4.0	4.4	4.0	3.7	5.9	14	14	14	7.6	5.9	4.9	3.7
25	4.0	4.4	4.0	3.7	5.9	14	14	14	7.0	5.4	4.9	3.7
26	4.0	4.4	4.0	3.7	5.9	15	15	13	7.0	4.9	4.9	3.7
27	4.0	4.4	4.0	4.0	5.9	14	15	13	7.0	4.4	4.4	3.7
28	4.4	4.4	5.4	4.0	5.9	13	15	13	7.0	4.4	4.4	3.7
29	4.4	4.4	5.4	4.0	---	13	14	12	7.0	4.4	4.4	3.7
30	4.9	4.4	4.4	4.0		12	14	12	7.0	4.0	4.0	3.7
31	4.9		5.9	4.0		12		12		4.0	4.0	
MEAN	4.24	4.29	4.47	4.17	5.34	12.1	11.9	14.1	8.54	6.01	4.43	3.84
ACRE-FEET	261	255	275	256	297	741	711	869	508	369	273	228

YEAR OR PERIOD MEAN 6.97

ACRE-FEET 5040

2059 FCD 10/73

STATION DATA SUMMARY

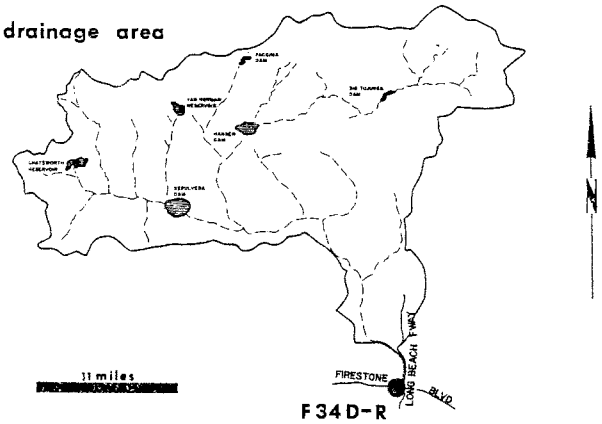
STA. NO. U14-R
BIG ROCK CREEK ABOVE MOUTH OF CANYON

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1923-24	18	2.0	5.8	4180	4	14	19
1924-25	12	1.7	4.0	2860	4	4	16
1925-26	251	1.6	16.8	12200	4	7	416
1926-27	433	5.5	22.0	16000	2	16	510
1927-28	46	2.2	7.5	5470	2	4	86
1928-29	56	1.8	5.4	3870	3	10	136
1929-30	45	2.0	8.5	6160	3	25	56
1930-31	51	2.6	5.9	4270	4	26	98
1931-32	378	2.6	22.8	16500			N.D.
1932-33	22	3.0	8.2	5950	4	4	24
1933-34	193	2.0	6.6	4760	1	1	246
1934-35	217	1.5	24.6	17800	12	14	338
1935-36	65	2.2	6.9	5000	2	23	70
1936-37	241	2.2	30.0	21710			N.D.
1937-38	*	*	*	*	3	2	8300**
1938-39	124	6.0	14.7	10660	12	18	552
1939-40	78	5.0	11.9	8660	2	25	150
1940-41	410	4.5	50.3	36420	2	21	512
1941-42	24	4.1	9.7	7000	8	10	175
1942-43	1380	3.6	42.5	30740	1	23	3000
1943-44	112	6.5	33.2	24120	12	19	180
1944-45	129	5.8	14.4	10450	11	11	513
1945-46	385	4.8	20.1	14560	12	21	650
1946-47	540	5.5	22.2	16040	12	26	900
1947-48	45	2.9	6.4	4640	4	29	84
1948-49	24	*	5.8	4180	4	23	26
1949-50	31	1.6	4.7	3390	2	26	48
1950-51	3.7	0.9	1.9	1380	4	28	4.3
1951-52	139	0.7	24.2	17540	12	30	224
1952-53	14	2.0	6.6	4780	12	1	17
1953-54	150	1.8	9.6	6980	1	25	320
1954-55	26	4.0	8.2	5940	11	11	48
1955-56	185	2.3	6.6	4800	1	26	380
1956-57	149	2.3	6.1	4420	1	13	362
1957-58	203	2.5	34.6	25020	12	15	399
1958-59	88	2.5	7.2	5190	2	16	215
1959-60	5.1	1.3	2.9	2130	2	1	6.5
1960-61	20	0.9	2.4	1740	11	5	34
1961-62	678	0.9	19.7	14240	2	11	1090
1962-63	26	1.8	4.6	3360	2	9	80
1963-64	6.7	1.8	4.0	2900	11	20	13
1964-65	38.0	1.6	5.5	3970	4	26	46
1965-66	546	2.6	34.0	26640	12	29	2100
1966-67	544	3.5	27.5	19940	12	6	1200
1967-68	114	4.9	11.3	8230	11	19	240
1968-69	2370	3.2	69.6	50380	1	25	4760
1969-70	106	3.2	10.7	7770	2	28	182
1970-71	166	3.0	9.8	7080	11	29	534
1971-72	190	1.6	7.3	5270	12	27	2200
1972-73	66	2.7	15.3	11060	2	11	161
1973-74	30	4.0	10.4	7500	3	2	35
1974-75	18	3.1	7.0	5040	3	6	30

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

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

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from bridge

DRAINAGE AREA – 596.0 square miles

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

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

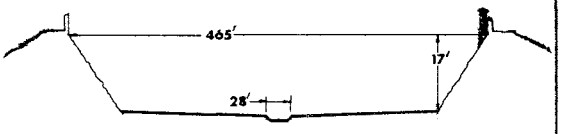
CHANNEL – concrete, with rip-rap side slopes, trapezoidal in section, with trapezoidal low-flow channel

CONTROL – channel forms control

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

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

cross-section



STATION DATA SUMMARY

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

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1927-28	*	0	*	6990*	2	4	1120*
1928-29	775	0	13.6	9830	11	14	2010
1929-30	813	0	13.4	9730	3	15	2210
1930-31	1560	1.4	18.6	13450	2	4	4360
1931-32	2450	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	3660	0	67.2	48630	12	30	10000F
1937-38R	40000	0	278	201300	3	2	79000
1938-39	5090F	0	108	78440	9	25	10800
1939-40C	2410	14F	80.5	58420	1	8	7810
1940-41	7580	10	345	249500	2	20	14800
1941-42	2030	27	97.8	70820	12	10	8210
1942-43	10700	18	268	193700	1	23	27500
1943-44	13000	38	249	180900	2	22	24800
1944-45	1980	16	91.0	65900	2	2	6970
1945-46	4000	8.4	95.8	69310	12	22	12500
1946-47	2760	14	99.7	72180	12	25	14900
1947-48	1280	10	52.8	38350	3	24	8980
1948-49	1130	11	49.1	35550	12	17	5300
1949-50	1770	8.5	43.9	31760	2	6	8480
1950-51	898	7.5	35.3	25560	1	11	5840
1951-52	12000	1.8	249	180500	1	16	32900
1952-53	2000	1.4	57.1	41380	11	15	14100
1953-54	4190	1.2	70.9	51330	2	13	19600
1954-55	2470	6.2	54.3	39340	1	18	13700
1955-56	12000	8.2	91.5	66260	1	26	28900
1956-57D	3960	3.8	53.2	38500	2	23	24600
1957-58	6290	4.3	191	138400	2	19	34100
1958-59	4660	5.9	51.4	37210	1	6	24200
1959-60	2090	4.0	43.6	31610	1	12	10700
1960-61	2230	4.5	32.6	23600	11	5	7810
1961-62	9630	3.8	170	123300	2	12	28400
1962-63	4080	4.3	56.2	40690	2	9	19300
1963-64	2810	2.6	49.6	36030	1	21	11400
1964-65	3380	4.3	66.5	48110	4	9	18700
1965-66	15700	4.3	209	151200	12	29	37600
1966-67	10000	6.0	159	114800	11	7	37100
1967-68	9410	13	116	84240	3	8	37400
1968-69	31800	12	541	391800	1	25	58000
1969-70	4250	13	90.4	65440	2	28	20900
1970-71	16700	11	162	117300	11	29	49800
1971-72	6980	14	86.6	62890	12	24	27400
1972-73	14470	13.0	221	160300	1	18	49020
1973-74	15690	10.6	157	113600	1	7	32300
1974-75	8680	9.0	119	86470	12	4	53950

R = RECORD BEGAN AT R LOCATION 04-11-38.
C = RECORD BEGAN AT C LOCATION 11-04-49.
D = RECORD BEGAN AT D LOCATION 12-11-56.
N.D. = NOT DETERMINED
E = ESTIMATE
* = RECORD INCOMPLETE
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F34D-R

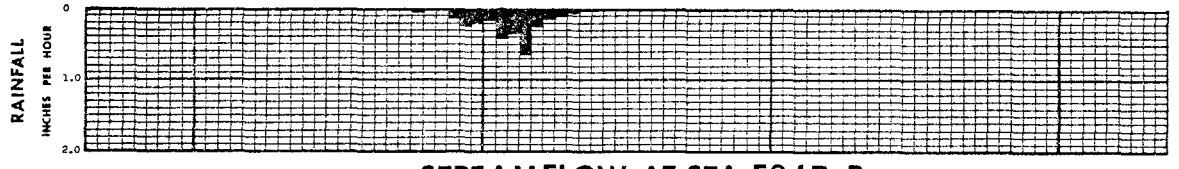
DAILY DISCHARGE IN SECOND-FEET OF LOS ANGELES RIVER below Firestone Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	16.2	13.8	10.6	22	14.6	24	25	20	13.0	20	18.0	20
2	16.2	37	13.8	16.2	609	22	24	18.0	13.8	17.0	18.0	21
3	16.2	10.6	17.0	18.0	4210	21	21	20	13.0	14.6	18.0	24
4	17.0	13.0	8480	19.0	663	21	23	17.0	13.8	13.0	18.0	19.0
5	15.4	11.4	170	20	98	1060	1090	14.6	13.0	10.6	19.0	22
6	16.2	12.2	30	20	32	5280	384	21	13.0	12.2	20	20
7	239	13.0	26	20	24	290	175	21	12.2	13.0	17.0	17.0
8	140	14.6	23	17.0	21	3600	187	17.0	13.8	15.4	16.2	19.0
9	34	13.8	19.0	15.4	1620	164	780	17.0	16.2	21	21	23
10	21	13.0	14.6	18.0	476	515	90	19.0	16.2	18.0	20	22
11	23.	11.4	14.6	18.0	58	358	52	15.4	16.2	17.0	21	21
12	15.4	15.4	13.0	15.4	28	61	154	17.0	15.4	16.2	21	22
13	15.4	17.0	13.8	13.8	23	106	34	22	14.6	15.4	23	21
14	11.4	16.2	11.4	14.6	23	472	31	19.0	20	18.0	24	19.0
15	12.2	14.6	13.0	13.0	22	32	276	21	13.8	26	23	19.0
16	13.8	13.8	12.2	a 14.0	23	72	47	21	13.0	22	20	33
17	12.2	16.2	15.4	a 14.0	21	41	26	19.0	20	21	18.0	50
18	15.4	13.8	15.4	a 14.0	23	26	20	18.0	70	23	18.0	27
19	14.6	15.4	14.6	a 14.0	25	21	19.0	19.0	52	32	24	24
20	11.4	12.2	15.4	a 14.0	27	27	15.4	65	40	22	24	26
21	11.4	13.0	14.6	a 14.0	26	26	17.0	60	31	19.0	21	25
22	13.0	35	12.2	a 14.0	28	1330	22	22	18.0	19.0	20	23
23	12.2	23	10.6	13.0	22	52	21	20	14.6	19.0	19.0	26
24	14.6	12.2	9.0	13.8	25	31	17.0	19.0	17.0	18.0	16.2	28
25	18.0	10.6	9.0	15.4	27	65	25	16.2	18.0	18.0	20	27
26	13.8	12.2	10.6	15.4	26	36	12.2	16.2	19.0	17.0	24	28
27	12.2	13.2	13.8	37	24	30	12.2	19.0	17.0	16.2	24	27
28	545	13.8	2550	22	25	30	17.0	15.4	18.0	18.0	24	23
29	90	12.2	565	13.8	----	19.0	18.0	17.0	14.6	24	24	22
30	15.4	11.4	31	20		17.0	22	16.2	14.6	22	25	27
31	15.4		31	37		21		15.4		18.0	21	
MEAN	46.4	15.2	394	17.6	294	447	122	21.2	19.8	18.6	20.6	24.2
ACRE-FEET	2850	904	24200	1080	16350	27510	7250	1300	1180	1140	1270	1440

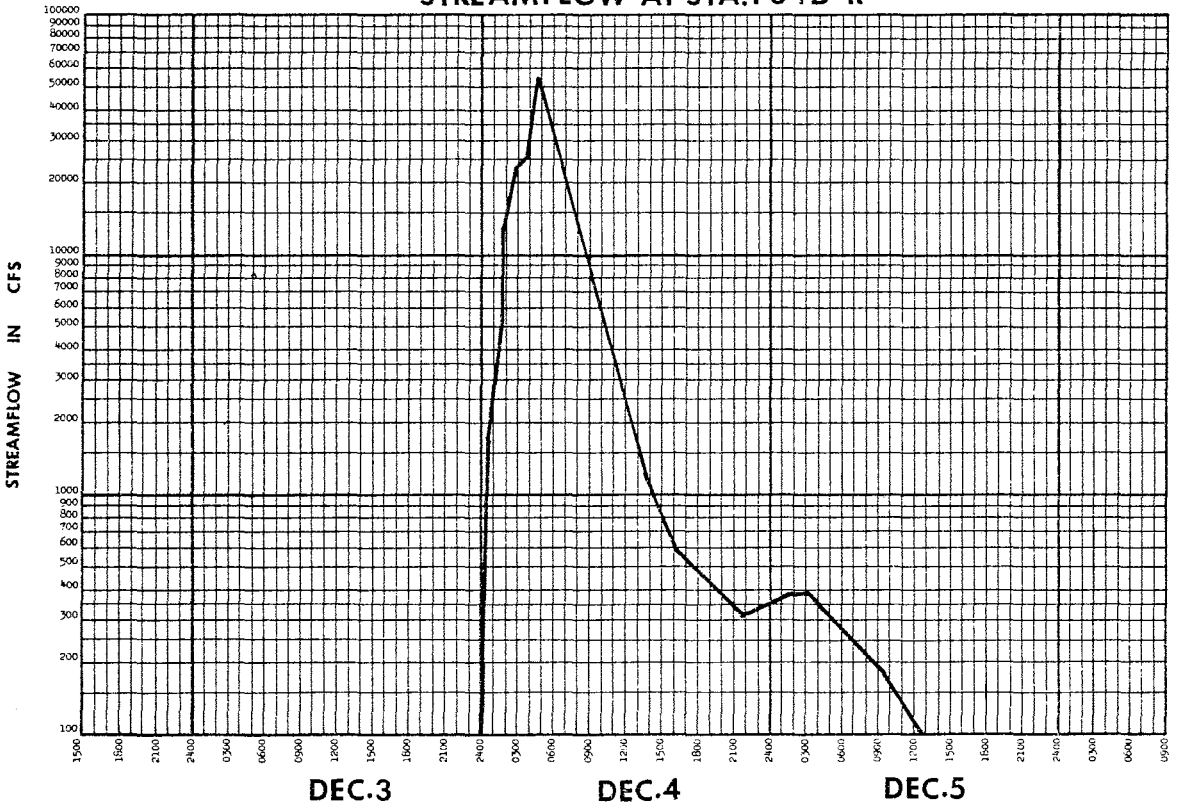
YEAR OR PERIOD MEAN 119
ACRE-FEET 86470

2059 FCD 10/73

RAINFALL AT STA.191B

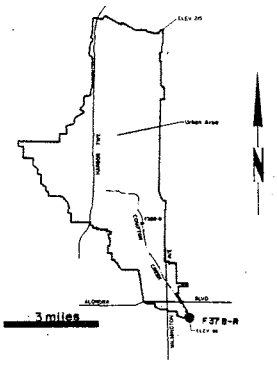


STREAMFLOW AT STA.F34D-R



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

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from bridge

DRAINAGE AREA – 22.6 square miles

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

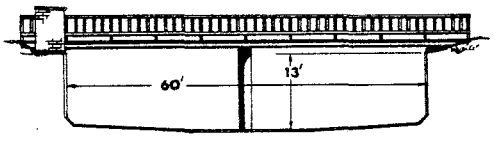
REGULATION – none

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

CONTROL – channel forms control

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

cross-section



STATION DATA SUMMARY

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	PEAK FLOW DAY	PEAK FLOW CFS
1927-28	*	0	*	1230*	3	5	240E
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	986 E	*	*	*	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	1.0	22.7	16400	12	23	2660
1941-42	236	3.0	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	3220 E
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

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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

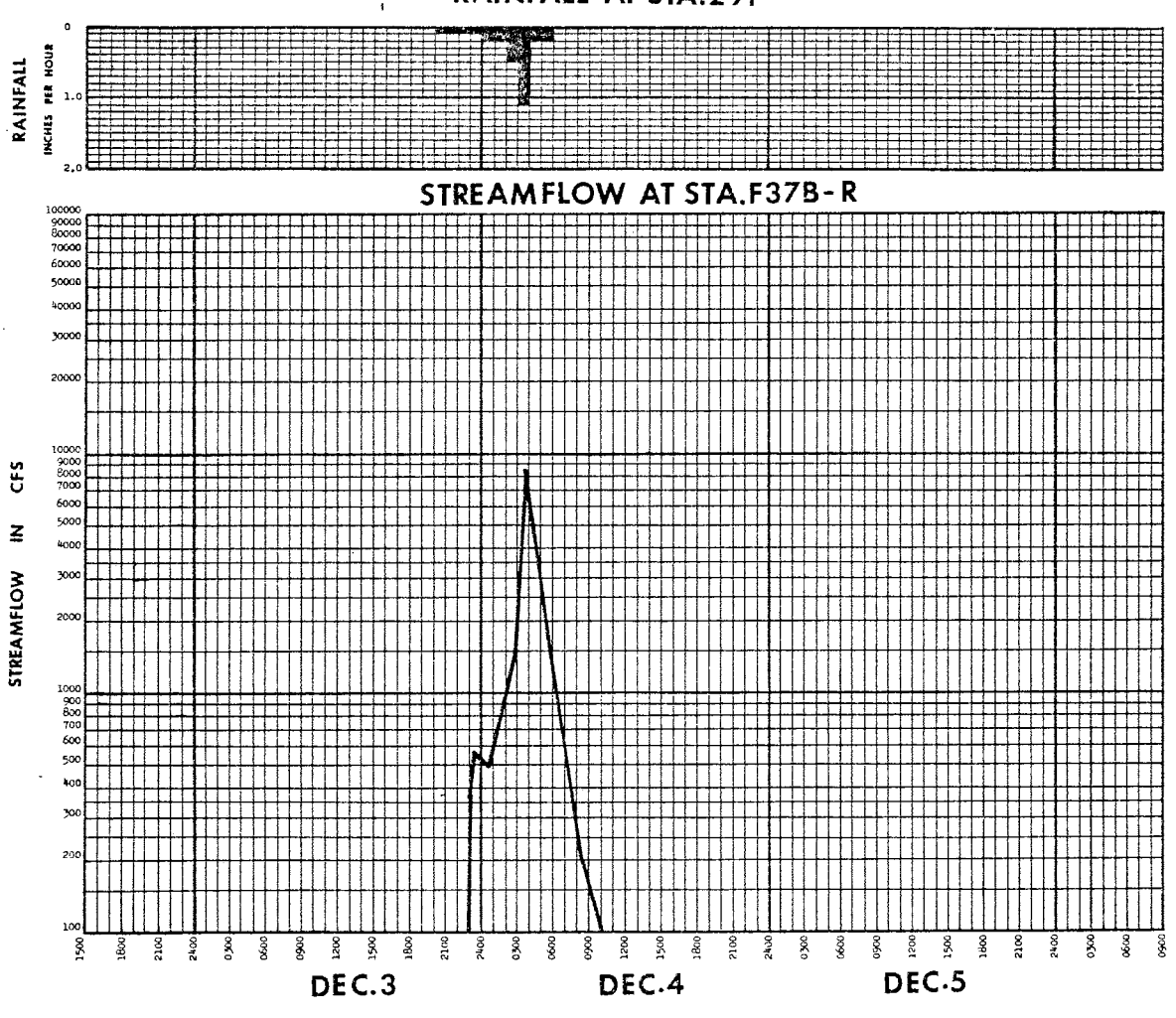
STATION NO F37B-R

DAILY DISCHARGE IN SECOND-FEET OF COMPTON CREEK at Greenleaf FOR THE WATER YEAR ENDING SEPTEMBER 30, 1975

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.9	1.9	1.2	1.2	0.8	0.9	0.9	1.2	0.9	2.3	1.6	0.2
2	1.9	1.6	2.9	1.9	78	0.8	0.4	0.9	0.8	2.3	0.9	0.2
3	2.9	1.9	21	1.2	446	0.9	0.6	1.2	0.9	2.3	0.8	e 0.2
4	4.0	1.9	677	1.2	44	0.9	0.8	0.9	0.9	1.6	0.9	e 0.2
5	3.3	1.6	1.6	1.2	6.6	65	40	0.9	0.9	1.2	1.2	e 0.2
6	1.9	1.6	0.9	1.9	1.2	122	14.6	0.9	1.2	0.9	1.9	e 0.2
7	21	1.2	0.9	3.6	1.2	18	8.4	0.8	0.9	1.6	1.6	e 0.2
8	3.3	1.9	0.8	4.0	1.6	125	36	1.2	0.8	1.9	1.9	e 0.2
9	2.6	1.9	0.8	2.3	300	1.2	50	0.9	0.8	1.9	1.9	e 0.2
10	1.2	2.3	0.9	2.3	61	98	1.6	0.9	1.2	2.3	0.8	e 0.2
11	1.9	1.9	0.9	1.9	1.9	16.2	1.2	0.9	0.9	2.9	0.6	e 0.3
12	1.6	2.3	1.2	1.9	1.2	1.6	1.2	1.2	1.2	2.3	0.8	e 0.3
13	1.6	1.9	1.9	1.9	1.2	4.4	1.2	0.9	0.9	1.2	0.8	e 0.3
14	1.6	1.9	2.3	1.9	1.2	16.8	1.2	0.9	0.9	0.8	0.9	e 0.3
15	1.6	2.9	1.2	2.3	0.6	0.9	25	0.9	0.9	1.9	0.9	e 0.3
16	1.9	1.9	1.2	2.3	0.6	6.4	2.0	0.9	0.9	2.3	0.8	e 0.4
17	1.9	1.9	1.6	1.9	0.4	0.8	11.7	0.9	0.9	2.6	0.6	e 0.4
18	1.9	1.6	1.6	1.9	0.8	0.9	1.9	0.9	0.9	2.3	0.6	e 0.4
19	1.6	2.3	1.6	1.9	0.9	0.9	1.9	0.8	1.2	1.2	0.8	e 0.4
20	1.2	1.9	1.6	1.6	0.9	1.2	0.9	0.9	1.2	0.8	0.4	e 0.4
21	1.6	2.3	1.9	1.2	0.9	0.9	1.9	0.9	0.9	0.6	0.6	e 0.5
22	1.9	4.3	1.2	1.6	0.8	159	1.2	0.9	0.9	1.6	0.4	e 0.5
23	1.6	1.6	0.6	1.2	1.2	0.9	1.2	0.9	1.6	0.9	0.4	e 0.5
24	1.2	1.9	0.8	1.6	0.8	0.9	1.2	0.9	1.2	0.9	0.4	e 0.5
25	1.6	1.6	1.6	2.3	1.2	0.8	3.3	0.9	1.9	0.9	0.3	e 0.5
26	2.3	1.9	1.9	1.2	0.9	0.6	1.6	0.9	1.6	0.8	0.3	e 0.6
27	2.6	1.9	1.6	1.6	0.8	0.6	0.8	0.9	2.3	0.8	0.3	e 0.6
28	87	1.9	283	1.2	0.9	0.8	0.8	0.9	1.2	0.8	1.2	e 0.6
29	3.6	1.2	21	0.8		0.8	1.2	1.2	1.2	1.2	0.8	e 0.6
30	1.6	1.6	1.9	1.9		0.8	0.9	1.2	1.2	1.2	0.2	e 0.6
31	1.9		12.5	1.2		1.6		1.9		0.9	0.2	
MEAN	5.4	1.95	34	1.81	34.2	21.0	7.19	0.98	1.11	1.52	0.83	0.37
ACRE-FEET	333	116	2080	111	1899	1290	428	60	66	94	51	22

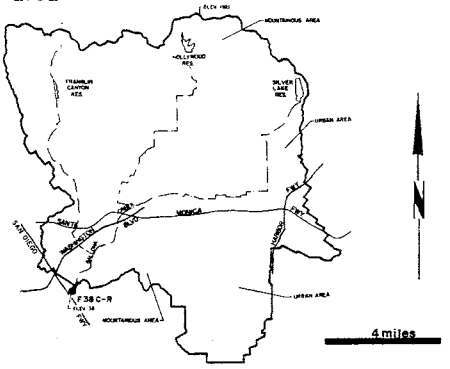
YEAR OR PERIOD MEAN 9.05
ACRE-FEET 6550

2059 FCD 10/73



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

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 88.6 square miles

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

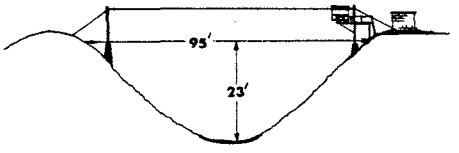
REGULATION – Stone Canyon Reservoir prior to January, 1951. Upper and Lower Franklin Canyon Reservoir, Hollywood Reservoir, and Silverlake Reservoir

CHANNEL – concrete rubble, trapezoidal in section

CONTROL – channel forms control

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

cross-section



STATION DATA SUMMARY

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

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1927-28	N.D	0	N.D.	3930	5	A	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	3.0	33.8	24450	11	11	9380
1945-46	1830	3.8	25.4	18380	12	22	7750
1946-47	1960	2.8	36.3	26300	12	25	9630
1947-48	1000	3.5	18.8	13630	3	24	12700
1948-49	668	2.8	22.2	16090	2	7	5740
1949-50	1620	1.4	32.1	23250	2	6	7670
1950-51	756	0.7	26.1	18860	1	10	5440
1951-52	2520	3.5	73.5	53350	1	16	12800
1952-53	1140	4.8	27.5	19910	11	15	11500
1953-54	3670	5.4	39.3	28480	2	13	18900
1954-55	1210	5.4	29.8	21600	1	18	9370
1955-56	6510	5.2	44.7	34590	1	26	18700
1956-57	1790	6.3	30.7	22240	2	23	13900
1957-58	3000	6.3	59.4	43040	2	19	15200
1958-59	1210	4.2	19.0	13730	1	6	8170
1959-60	1290	2.2	23.7	17190	1	11	12500
1960-61	945	4.2	17.3	12560	11	5	7700
1961-62	3490	3.2	69.2	50090	2	19	12900
1962-63	1940	3.2	29.6	21450	3	16	12100
1963-64	789	3.9	24.8	18000	1	22	6420
1964-65	1590	3.9	38.0	27540	4	9	17600
1965-66	3620	5.3	61.5	44540	11	22	18000
1966-67C	3020	6.7	62.1	45300	11	7	13900
1967-68	6350	8.2	55.9	40570	11	21	32500
1968-69	4840	8.2	101	73060	1	25	17000
1969-70	1380	7.6	30.7	22230	2	28	1380
1970-71	3170	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

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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F38C-R

DAILY DISCHARGE IN SECOND-FEET OF BALLONA CREEK Above Sawtelle Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	10.6	43	11.2	11.2	6.2	9.8	13.0	13.0	10.0	12.4	41	12.4
2	10.0	43	12.4	10.6	772	8.2	14.0	13.0	10.6	11.8	38	16.0
3	10.6	48	335	9.4	1350	8.8	14.0	13.0	10.6	12.4	14.0	14.0
4	10.6	52	2490	9.4	201	8.8	14.0	11.2	9.4	10.0	15.0	12.4
5	10.0	58	20	10.0	16.0	316	442	13.0	10.6	10.6	13.0	14.0
6	10.0	48	17.0	10.0	11.8	673	197	13.0	10.6	10.6	13.0	13.0
7	131	18.0	15.0	10.0	12.4	220	65	13.0	10.0	12.4	13.0	12.4
8	13.0	14.0	14.0	9.4	16.0	931	123	11.8	9.4	14.0	12.4	14.0
9	12.4	13.0	14.0	8.8	891	16.0	177	12.4	10.6	18.0	12.4	10.6
10	11.8	12.4	12.4	9.4	315	252	10.0	11.8	11.2	20	12.4	11.8
11	11.8	12.4	12.4	8.8	11.2	65	9.4	11.8	11.8	34	13.0	12.4
12	11.8	13.0	12.4	8.8	10.0	16.0	8.8	18.0	11.8	34	12.4	12.4
13	10.6	12.4	14.0	9.4	9.4	233	7.6	14.0	11.2	36	11.8	11.8
14	11.8	14.0	10.6	9.4	8.6	55	8.3	12.4	10.0	41	12.4	11.8
15	11.8	16.0	10.6	9.4	8.2	13.0	111	13.0	10.6	41	12.4	13.0
16	11.8	14.0	10.6	10.6	8.2	47	12.4	14.0	11.2	43	11.2	17.0
17	15.0	13.0	11.2	10.6	8.8	12.4	11.8	11.8	12.4	48	10.6	14.0
18	25	16.0	11.8	10.6	8.8	11.8	13.0	11.2	10.6	41	12.4	13.0
19	32	17.0	11.2	10.0	8.8	11.2	12.4	11.2	10.6	38	12.4	12.4
20	21	19.0	11.2	11.2	10.0	10.6	11.2	20	11.2	41	14.0	10.6
21	12.4	16.0	10.6	12.4	10.6	10.6	14.0	11.2	11.2	41	15.0	10.6
22	11.2	16.0	9.4	14.0	10.0	704	11.8	10.6	11.2	36	13.0	11.8
23	11.2	14.0	10.6	14.0	10.0	11.8	11.8	10.6	11.8	34	11.2	13.0
24	11.8	11.2	10.6	13.0	9.4	12.4	12.4	10.0	10.6	45	11.8	13.0
25	13.0	11.2	9.4	13.0	9.4	21	16.0	10.0	12.4	41	15.0	14.0
26	12.4	12.4	9.4	11.2	10.0	11.2	16.0	10.6	12.4	36	16.0	14.0
27	11.8	11.8	8.8	11.2	11.2	15.0	12.4	12.4	16.0	36	14.0	13.0
28	308	10.6	932	11.8	10.6	15.0	15.0	12.4	12.4	41	13.0	13.0
29	11.8	11.8	73	11.2		14.0	16.0	13.0	14.0	38	13.0	14.0
30	11.2	11.8	20	24		11.2	14.0	12.4	12.4	41	14.0	13.0
31	19.0		17.0	8.2		17.0		11.2		41	12.4	
MEAN	27.0	20.8	134	11.0	134	121	47.2	12.5	11.3	30.9	14.7	12.9
ACRE-FEET	1660	1240	8270	676	7470	7460	2810	768	672	1900	903	770

YEAR OR PERIOD MEAN 47.8
ACRE-FEET 34590

2059 FCD 10/73

RAINFALL AT STA. 213-G

RAINFALL INCHES PER HOUR

0
1.0
2.0

STREAMFLOW AT STA.F38C-R

STREAMFLOW IN CFS

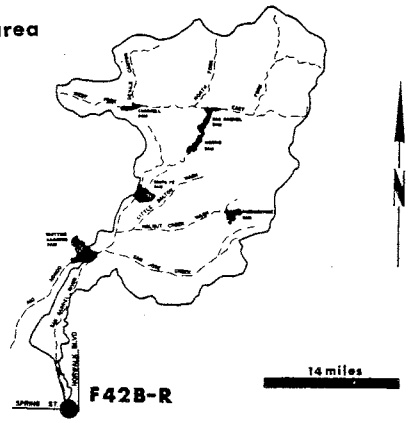
100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
900
800
700
600
500
400
300
200
100

1500 1800 2100 2400 0300 0600 0900 1200 1500 1800 2100 2400 0300 0600 0900 1200 1500 1800 2100 2400 0300 0600 0900 1200 1500 1800 2100 2400 0300 0600

DEC.3 DEC.4 DEC.5

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

drainage area



RECORDER - continuous water stage

METHOD OF MEASUREMENTS - wading or from cable car

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

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

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

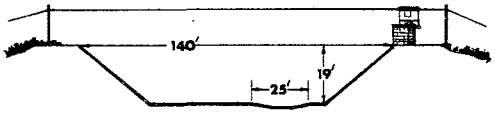
CHANNEL - concrete, trapezoidal section with a low-flow channel.

CONTROL - channel forms control

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

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

cross-section



STATION DATA SUMMARY

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

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1927-28	0	0	0	0			
1928-29	0	0	0	0			
1929-30	0	0	0	0			
1930-31	0	0	0	0			
1931-32	1270	0	9.0	6560	2	9	4490
1932-33	170	0	1.1	809	1	20	2250
1933-34	4860	0	17.1	12370	1	1	15000
1934-35	463	0	3.3	2380	10	17	3390
1935-36	220	0	1.6	1190	2	12	1910
1936-37	1850	0	18.7	13510	2	14	4560
1937-38	14500	0	122	88020	3	2	27000E
1938-39	265	0	1.5	1080	12	19	956
1939-40	192E	0	2.0	1460	2	3	1400
1940-41	1710	0	91.0	65890	3	13	4830
1941-42	148	0	15.0	10830	12	11	277
1942-43	9570	0	280	175100	1	23	14600
1943-44	5570	0	99.4	72200	2	22	15000
1944-45	742	0	30.8	22280	2	2	1910
1945-46	1460	0	17.4	12590	12	23	3300
1946-47	2520	0	33.3	24100	1	1	2740
1947-48	0	0	0	0			
1948-49	0	0	0	0			
1949-50	0	0	0	0			
1950-51	0	0	0	0			
1951-52	STATION ABIT			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
1964-65R	1070	0	12.1	8770	4	9	4560
1965-66	630	0	10.2	7400	2	6	1950
1966-67	1190	0	37.1	26850	1	23	4760
1967-68	847	+	9.2	6720	11	21	3280
1968-69	9350	+	286	207300	1	25	11700
1969-70	1760	+	24.2	17520	3	5	5550
1970-71	2700	+	27.1	19610	12	19	5550
1971-72	1980	0.1	82.2	59900	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

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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F42B-R

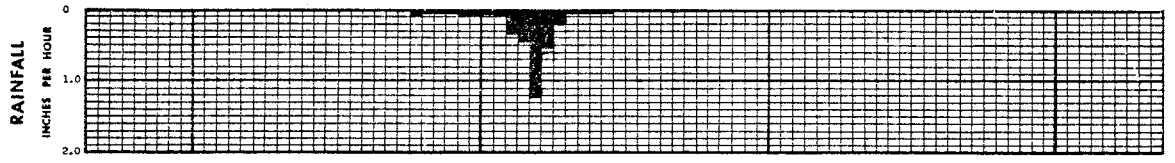
DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER above Spring Street FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	d 29	d 32	22	46	63	39	39	32	14.2	16.3	24	27
2	d 33	d 27	16.8	46	59	39	39	28	15.4	31	50	31
3	d 33	d 9.0	36	48	1060	38	39	30	27	25	30	50
4	d 34	d 19.0	2190	47	101	42	37	17.9	12.2	19.0	25	49
5	d 32	d 29	65	45	37	95	45	17.4	13.1	12.2	40	31
6	d 13.0	d 32	53	49	40	509	50	34	12.6	14.9	30	29
7	d 21	d 31	51	49	40	90	37	24	14.0	15.4	38	27
8	d 15.8	d 31	52	46	39	654	59	32	14.5	16.8	40	19.5
9	d 15.8	d 29	51	49	278	72	75	32	14.7	23	32	19.0
10	d 16.3	d 6.1	50	50	106	106	35	32	14.0	27	32	21
11	d 19.5	d 13.5	50	47	40	51	40	20	14.5	13.1	31	17.9
12	d 19.5	d 29	51	46	40	43	38	19.0	13.5	15.8	45	17.4
13	d 19.5	d 31	55	48	36	42	37	29	11.7	22	46	32
14	d 15.4	d 27	d 62	50	38	57	38	36	36	14.9	30	16.3
15	d 34	d 32	d 46	50	37	41	46	32	17.9	16.3	35	17.4
16	d 36	40	d 40	42	36	42	40	33	9.8	29	32	18.5
17	d 38	25	d 42	50	38	42	51	44	11.7	28	26	34
18	d 39	17.4	d 42	49	41	42	41	20	12.2	25	17.9	33
19	d 39	40	d 41	47	40	40	40	14.9	13.1	27	14.5	46
20	d 22	39	d 46	51	40	43	41	20	12.6	20	11.7	46
21	d 21	40	d 46	50	40	41	42	32	12.6	14.5	15.4	24
22	d 35	40	d 40	52	41	189	41	32	12.6	36	30	20
23	d 34	37	d 45	53	39	42	36	29	13.1	32	23	19.5
24	d 36	24	d 47	53	41	39	41	21	13.5	35	19.5	31
25	d 37	14.9	d 42	50	44	40	43	14.0	27	29	16.8	40
26	d 32	32	d 44	49	44	39	42	14.0	25	21	14.0	46
27	d 13.0	38	d 45	50	42	40	42	14.5	25	10.2	11.7	41
28	d 270	42	d 380	d 42	40	39	44	14.5	30	14.5	13.5	20
29	d 21	38	d 43	d 47		39	36	19.0	14.9	34	18.5	14.5
30	d 32	40	d 42	43		38	36	25	14.5	31	39	21
31	d 32		d 55	50		40		24		19.5	26	
MEAN	34.9	29.5	130	48.2	90.7	87.5	42.3	25.4	16.4	22.2	26.7	28.6
ACRE-FEET	2150	1760	7720	2970	5040	5380	2520	1560	978	1370	1700	1700

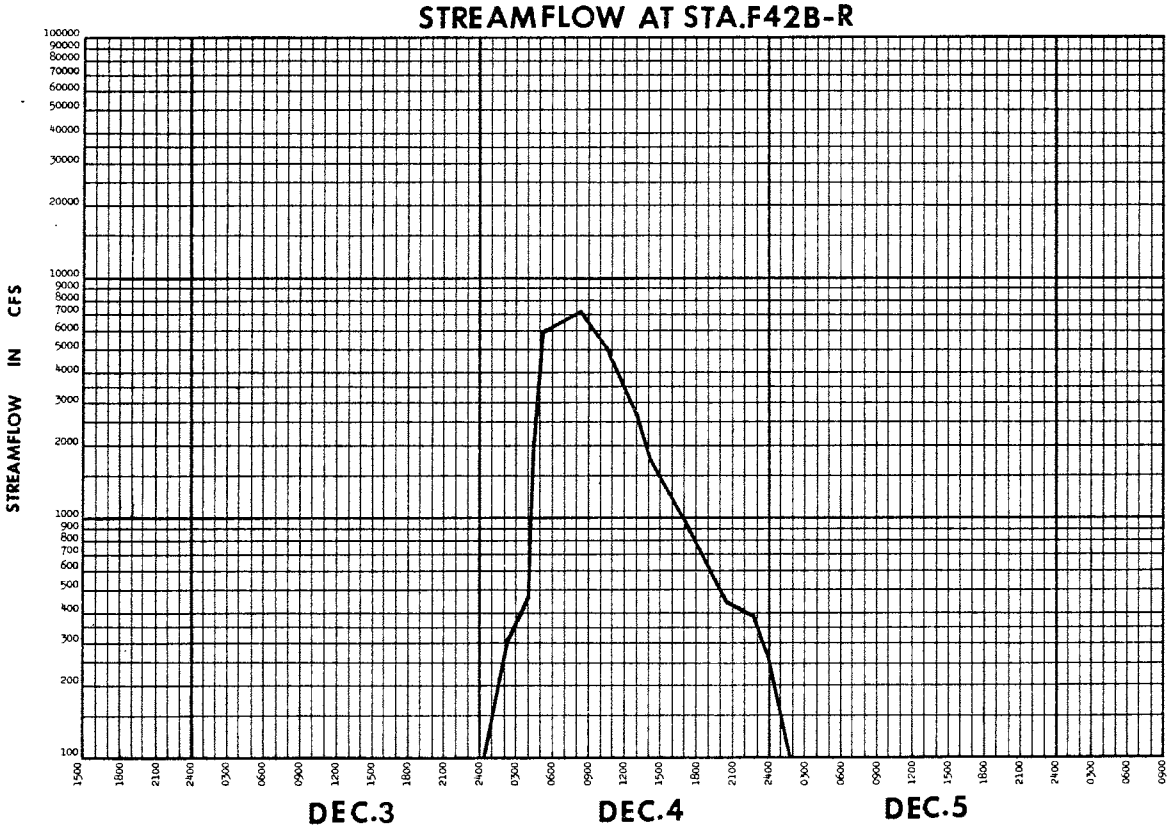
YEAR OR PERIOD MEAN 48.1
ACRE-FEET 34850

2059 FCD 10/73

RAINFALL AT STA.566

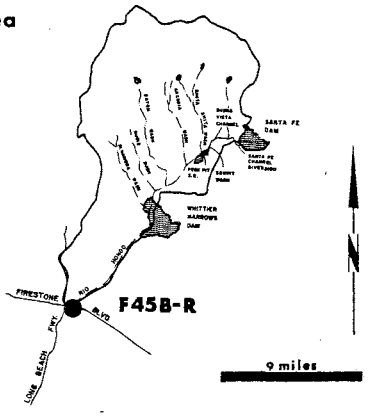


STREAMFLOW AT STA.F42B-R



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

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

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

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

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

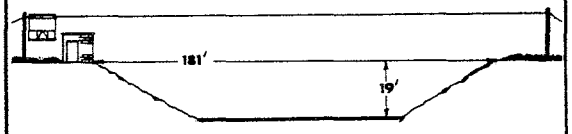
CHANNEL – concrete, with rip-rap side slopes. trapezoidal in section

CONTROL – channel forms control

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

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

cross-section



STATION DATA SUMMARY

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

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1927-28	*	0	*	269*	3	6	4.0*
1928-29	248	0	3.4	2460	4	4	912
1929-30	285	0	2.8	2000	3	15	743
1930-31	335	0	2.6	1900	2	4	841
1931-32	3440	0	27.4	19920	2	9	4610
1932-33	971	0	6.2	4450	1	19	2730
1933-34	5810	0	23.5	17030	1	1	16000
1934-35	667	0	8.3	6000	4	8	3450
1935-36	472	0	5.8	4220	2	12	3160
1936-37	1460	0	37.1	26870	2	14	4800
1937-38	12700	0	238	172100	3	3	24600E
1938-39	910	0	13.2	9540	12	18	5260
1939-40	442	0	6.7	4850	1	8	1930
1940-41	3490	0	129	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	25700E	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	4.9	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
1951-52R	2430	0	35.9	26040	1	16	9040
1952-53	571	0	4.9	3450	11	15	4600
1953-54	1780	0	14.9	10780	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	14000
1966-67	5210	+	29.6	21530	1	24	20100
1967-68	4300	+	25.3	18360	3	8	17900
1968-69	23100	+	424	307100	1	25	46900
1969-70	964	+	10.0	7220	2	28	7540
1970-71	2430	+	13.1	9520	11	29	9350
1971-72	2420	+	6.0	4409	12	24	11400
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

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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F45B-R

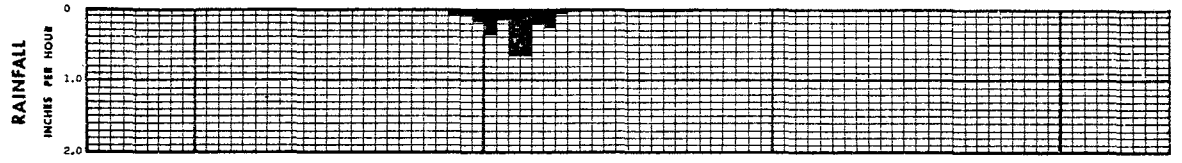
DAILY DISCHARGE IN SECOND-FEET OF RIO HONDO above Stewart and Gray Road FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.1	0.1	0.1	+	0.1	0.8	0.6	0.1	0.3	0.3	+	+
2	0.3	+	0.1	+	52	0.6	0.8	0.1	0.1	0.3	0.1	+
3	0.1	+	4.2	+	303	0.6	0.8	0.1	0.1	0.4	+	0.1
4	0.1	+	1850	+	65	0.8	0.6	0.1	0.3	0.1	+	+
5	0.3	+	1.4	0.1	2.0	105	24	+	0.1	0.1	+	+
6	0.4	+	0.3	0.3	0.8	50	5.1	0.1	0.1	0.1	+	+
7	0.6	+	0.1	0.4	11.7	8.8	1.2	0.1	0.1	0.3	++	+ +
8	0.3	+	+	0.6	0.8	110	39	0.1	0.1	0.4	+	+ +
9	0.1	+	+	0.1	204	1.4	13.0	0.1	0.1	0.3	+	+
10	0.1	+	+	0.1	48	34	0.1	0.1	0.1	+	0.1	+
11	0.1	0.1	+	0.3	1.2	3.4	0.1	0.3	0.3	+	+	+
12	0.1	0.1	0.1	0.3	0.8	1.2	0.1	0.1	0.1	+	+	+
13	0.1	0.1	0.3	0.3	0.6	16.5	0.1	0.1	0.1	+	+	0.1
14	0.1	0.1	0.1	0.3	0.4	10.0	0.1	0.1	0.1	+	+	+
15	0.3	0.3	0.1	0.4	0.1	0.6	7.1	0.1	0.1	+	+	+
16	0.1	0.1	0.3	0.6	0.4	3.4	0.1	0.1	0.1	+	+	+
17	0.3	0.1	0.3	0.3	0.1	0.3	0.4	0.1	0.1	+	+	0.1
18	0.6	0.1	0.3	0.3	0.3	0.6	+	0.1	0.1	+	+	+
19	0.4	0.1	0.3	0.4	0.4	0.8	+	0.1	0.1	++	+	+
20	0.4	0.3	0.4	0.4	0.8	0.6	+	2.0	0.1	+	+	+
21	0.6	0.1	0.1	0.8	0.6	0.6	+	0.1	0.1	+	0.1	+
22	0.4	1.2	0.1	0.4	0.3	150	0.1	0.1	0.1	0.1	+	+
23	0.4	+	+	0.3	0.4	0.8	0.1	0.1	0.1	+	+	+
24	0.3	+	+	0.3	0.4	0.6	0.1	0.1	0.3	+	+	+
25	0.3	+	+	0.3	0.8	1.2	0.8	0.1	0.3	+	+	+
26	0.3	+	+	0.3	0.8	0.1	0.1	+	0.3	+	+	0.1
27	0.3	0.1	+	0.3	0.8	0.1	+	0.1	0.3	0.1	+	0.6
28	70	0.1	213	0.4	0.8	0.1	+	0.1	0.3	+	+	0.4
29	0.8	0.1	10.8	0.1		0.1	0.1	0.1	0.3	+	+	0.3
30	0.3	0.1	0.6	0.4		0.6	0.1	0.1	1.0	+	+	0.3
31	0.1		0.3	0.1		1.0		0.1		+	+	
MEAN	2.54	0.11	67.2	0.29	24.9	16.2	3.15	0.16	0.19	0.08	0.01	0.07
ACRE FEET	156	6.3	4130	17.6	1380	1000	188	9.9	11	5.0	0.6	4.0

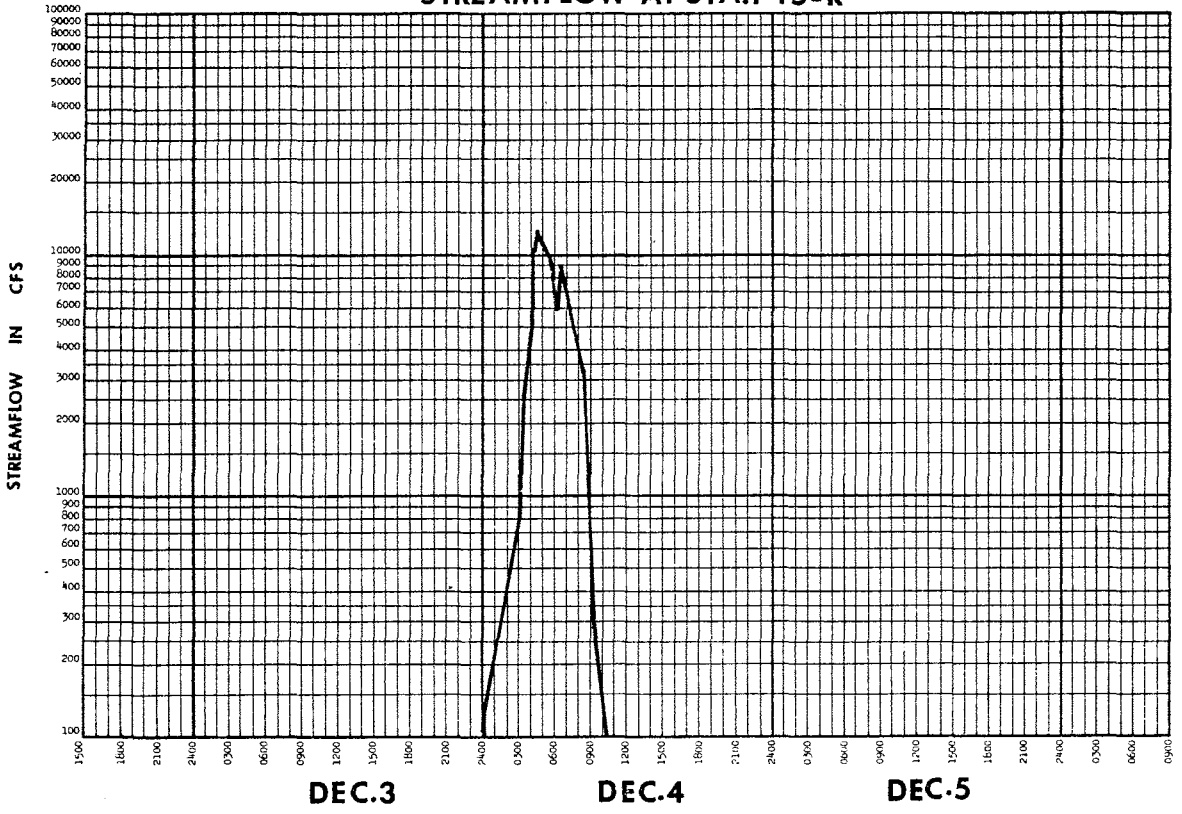
YEAR OR PERIOD MEAN 9.54
ACRE-FEET 6910

2059 FCD 10/73

RAINFALL AT STA.1014 F

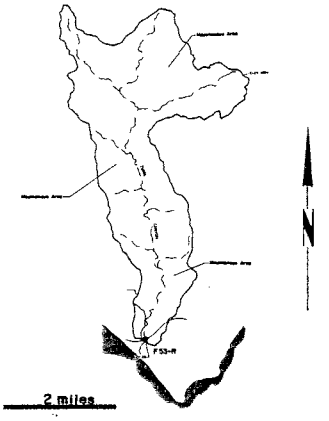


STREAMFLOW AT STA.F45-R



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

drainage area



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 MILE FROM PACIFIC OCEAN.

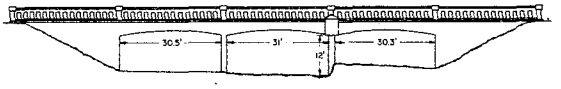
REGULATION - NONE

CHANNEL - SAND AND GRAVEL

CONTROL - CHANNEL FORMS CONTROL

LENGTH OF RECORD - JANUARY 15, 1930 TO NOVEMBER 26, 1937; NOVEMBER 3, 1938 TO DATE.

cross section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F53-R

DAILY DISCHARGE IN SECOND-FEET OF DUME CREEK at Pacific Coast Highway FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	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
4	0	0	30	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	2.6	0	0	0	0	0	0
8	0	0	0	0	0	65	0	0	0	0	0	0
9	0	0	0	0	1.1	3.6	0	0	0	0	0	0
10	0	0	0	0	+	3.1	0	0	0	0	0	0
11	0	0	0	0	0	1.1	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	0.5	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	10	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
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	0.97	0	.04	2.77	0	0	0	0	0	0
ACRE-FEET	0	0	60	0	2.2	170	0	0	0	0	0	0

YEAR OR PERIOD MEAN 0.32
ACRE-FEET 232

2059 FCD 10/73

STATION DATA SUMMARY

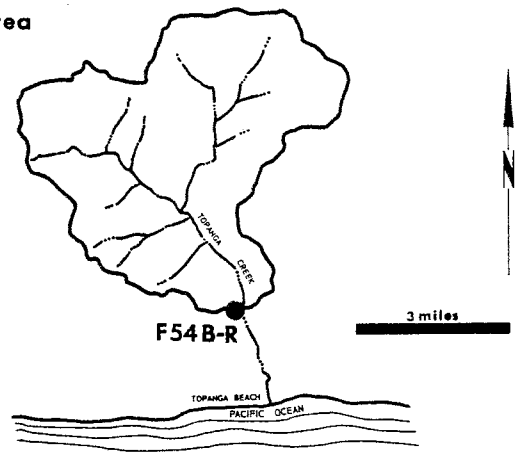
STA. NO. F53-R
DUME CREEK AT PACIFIC COAST HIGHWAY

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	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
1948-49	0	0	0	0			0
1949-50	0	0	0	0			0
1950-51	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
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
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
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

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

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

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading

DRAINAGE AREA – 18.0 square miles

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

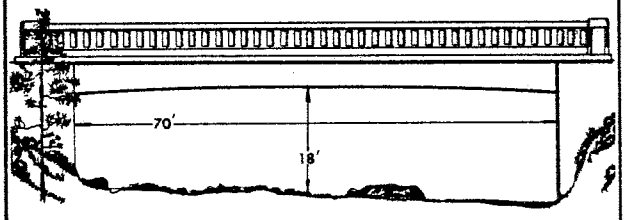
REGULATION – none

CHANNEL – rock and gravel, natural section

CONTROL – none

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

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F54BR

DAILY DISCHARGE IN SECOND-FEET OF TOPANGA CREEK 2 miles above the Mouth FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	0.2	0.2	0.1	0.4	0.4	0.8	2.0	0.9	0.7	0.4	0.2	0.2
2	0.2	0.2	0.1	0.4	4.9	0.8	1.9	1.0	0.8	0.4	0.2	0.2
3	0.2	0.2	0.7	0.4	27	0.8	1.9	1.0	0.8	0.4	0.2	0.2
4	0.2	0.2	112	0.4	24	0.8	1.9	0.9	0.8	0.4	0.2	0.1
5	0.2	0.2	1.9	0.4	4.4	6.3	17	0.9	0.8	0.4	0.2	0.1
6	0.2	0.2	1.9	0.4	2.6	286	7.2	0.9	0.8	0.4	0.2	0.1
7	0.1	0.2	1.9	0.4	2.2	22	5.5	0.9	0.8	0.3	0.2	0.1
8	0.2	0.2	1.5	0.4	2.0	179	4.6	0.9	0.8	0.4	0.2	0.1
9	0.2	0.2	0.9	0.4	9.2	35	9.7	0.9	0.8	0.4	0.2	0.1
10	0.2	0.1	0.5	0.4	7.6	22	5.5	0.8	0.8	0.3	0.2	0.4
11	0.2	0.1	0.4	0.4	2.9	17	4.6	0.8	0.8	0.3	0.2	0.2
12	0.2	0.1	0.5	0.4	2.2	12	4.2	0.8	0.7	0.3	0.2	0.2
13	0.2	0.1	0.5	0.4	1.9	10	3.9	0.7	0.7	0.4	0.2	0.2
14	0.2	0.1	0.4	0.4	1.9	9.4	3.7	0.7	0.6	0.4	0.2	0.4
15	0.2	0.2	0.4	0.4	1.7	5.7	3.6	0.7	0.7	0.4	0.2	0.3
16	0.1	0.2	0.5	0.4	1.7	5.3	3.2	0.7	0.7	0.4	0.2	0.2
17	0.1	0.2	0.6	0.4	1.5	4.2	3.0	0.7	0.8	0.3	0.2	0.2
18	0.1	0.2	0.3	0.4	1.3	3.7	2.6	0.8	0.7	0.3	0.2	0.2
19	0.2	0.2	0.3	0.4	1.3	3.7	2.4	0.8	0.7	0.4	0.2	0.2
20	0.2	0.2	0.3	0.4	1.2	3.6	2.3	0.8	0.7	0.4	0.2	0.2
21	0.2	0.2	0.4	0.4	1.2	3.4	2.0	0.8	0.7	0.4	0.2	0.2
22	0.2	0.2	0.3	0.4	1.1	7.1	1.7	0.8	0.7	0.3	0.2	0.2
23	0.2	0.2	0.2	0.4	1.1	3.4	1.4	0.8	0.7	0.4	0.2	0.2
24	0.2	0.2	0.2	0.4	1.0	3.0	1.3	0.7	0.6	0.4	0.2	0.2
25	0.2	0.2	0.3	0.4	0.8	2.9	1.4	0.6	0.5	0.4	0.2	0.2
26	0.2	0.2	0.3	0.4	9.9	2.0	1.2	0.6	0.5	0.3	0.2	0.2
27	0.2	0.2	0.3	0.4	0.8	1.9	1.2	0.6	0.5	0.3	0.2	0.2
28	0.3	0.2	13	0.4	0.8	1.9	1.1	0.6	0.5	0.3	0.2	0.2
29	0.2	0.2	2.0	0.4		1.8	1.1	0.6	0.4	0.2	0.2	0.2
30	0.2	0.2	0.5	0.4		1.9	1.1	0.6	0.4	0.2	0.2	0.2
31	0.2		0.4	0.4		2.0		0.6		0.3	0.2	
MEAN	0.19	0.18	4.63	0.4	3.91	21.3	3.47	0.77	0.68	0.35	0.20	0.20
ACRE-FEET	12	11	285	25	217	1310	207	47	41	22	12	12

YEAR OR PERIOD MEAN 3.04
ACRE-FEET 2200

2059 FCD 10/73

STATION DATA SUMMARY

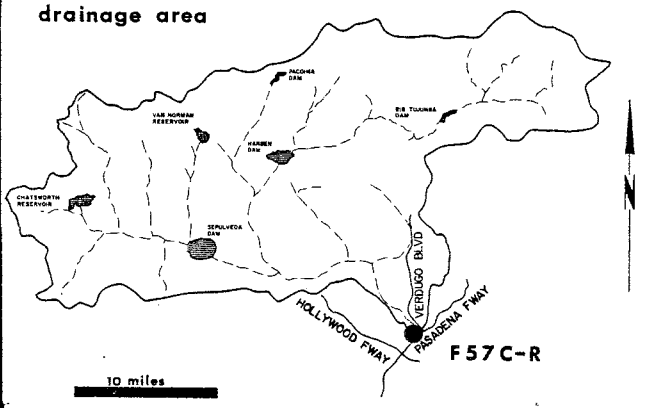
STA. NO. F548-R
TOPANGA CREEK ABOVE MOUTH OF CANYON

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1929-30	*	*	*	647*	3	14	340
1930-31	186	+	1.0	705	2	4	386
1931-32	409	+	4.9	3590	2	8	1250
1932-33	542	+	3.1	2240	1	19	1430
1933-34	1590	0	8.9	6420	12	31	4510
1934-35	130	+	1.9	1360	1	5	1200
1935-36	77	+	2.0	1490	2	22	528
1936-37	413	+	9.1	6620	3	15	1130
1937-38	3270	+	21.2	15310	3	2	9300E
1938-39	NO RECORD						
1939-40B	183	+	2.9	2080	2	1	1280
1940-41	1100E	+	26.2	18940	2	20	8700E
1941-42	47	+	0.8	540	12	28	385
1942-43	1100E	+	12.0	8720	1	22	2200
1943-44	1100E	0.1	9.6	6970	2	22	5070
1944-45	176	0.1	1.5	1090	2	2	964
1945-46	182	+	1.9	1390	12	23	905
1946-47	86	+	1.4	994	11	20	567
1947-48	23	0	0.2	168	3	24	276
1948-49	5.0	+	0.1	99	12	26	63
1949-50	35	+	0.5	379	12	18	275
1950-51	2.4	+	0.1	74	1	11	21
1951-52	1990	0	23.3	16900	1	15	6050
1952-53	52	+	1.0	725	12	1	702
1953-54	396	0	2.5	1820	2	13	2090
1954-55	33	+	0.5	354	1	18	151
1955-56	337	+	1.4	1030	1	26	1540
1956-57	69	+	0.5	374	2	23	655
1957-58	599	+	10.4	7460	4	3	3950
1958-59	141	+	1.1	785	1	6	1510
1959-60	76	+	0.6	422	4	27	539
1960-61	8.1	+	0.1	58	1	26	28
1961-62	1150	+	10.7	7720	2	10	2790
1962-63	66	+	0.6	454	2	9	569
1963-64	17	+	0.2	178	1	21	196
1964-65	148	+	1.2	886	4	9	716
1965-66	1120	+	10.0	7270	12	29	3500
1966-67	569	0.1	7.0	5070	1	24	2280
1967-68	186	0.1	2.2	1570	3	8	567
1968-69	4920	0.1	40.6	29400	1	25	12200
1969-70	84	0	1.2	902	3	4	844
1970-71	720	+	6.3	4560	1	29	3020
1971-72	110	0.2	1.1	809	12	27	588
1972-73	1140	0.1	8.6	6250	2	11	3840
1973-74	1060	0.1	5.7	4110	1	7	2060
1974-75	286	0.1	3.0	2200	3	6	1670

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

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

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 511 square miles

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

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

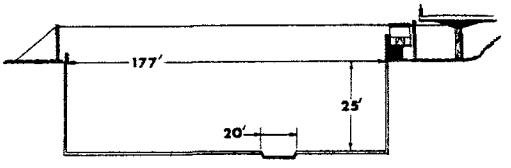
CHANNEL – concrete, rectangular in section, with a trapezoidal low-flow channel

CONTROL – channel forms control

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

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

cross section



STATION DATA SUMMARY

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

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK 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	5940	0	41.2	29810	1	1	22000
1934-35	568	0.1	17.3	12550	4	8	2400E
1935-36	322	0.4	7.9	5770	3	30	2540
1936-37	1670	0.4	33.8	24470	2	6	2410
1937-38B	27900	0.6	183	132600	3	2	68000E
1938-39	1950	3.8	58.5	42360	1	5	3710
1939-40C	2070	6.0	54.5	39590	1	8	8900
1940-41	6700	4.2	228	165000	2	20	11900
1941-42	1170	22	75.7	54800	12	10	5260
1942-43	7120	15	172	124400	1	23	23900
1943-44	8020	25	151	109800	2	22	14600
1944-45	1160	6.5	51.1	36990	2	2	4900
1945-46	1880	3.4	49.6	35880	12	22	5240
1946-47	896	1.6	43.3	31330	12	25	5320
1947-48	498	3.6	20.5	14890	3	24	4900
1948-49	451	4.2	24.3	17600	12	17	1530
1949-50	804	0.3	14.9	10760	2	6	2840
1950-51	487	0.5	10.8	7840	1	11	3600
1951-52	8130	0.5	149	108000	1	16	25300
1952-53	1370	0.6	25.5	18480	12	20	7270
1953-54	2570	0.2	29.0	21000	2	13	9580
1954-55	1510	0.2	25.2	18270	1	18	6850
1955-56	7290	0.6	49.4	35890	1	26	15300
1956-57	2390	0.2	34.4	24890	2	23	22200
1957-58	4650	0.4	126	91020	2	19	19700
1958-59	3740	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	7880
1961-62	8510	+	120	86910	2	12	32500
1962-63	3750	+	32.4	23440	2	9	18100
1963-64	1950	+	27.9	20320	1	22	12200
1964-65	2880	+	49.1	35580	4	9	12500
1965-66	12600	0.1	149	107500	12	29	32000
1966-67	7720	0.4	115	82210	11	7	32100
1967-68	4780	3.4	82.2	59710	3	8	30900
1968-69	23400	4.0	425	307400	1	25	41800
1969-70	2760	6.9	65.6	47520	3	4	17000
1970-71	12900	7.4	129	93310	11	29	41500
1971-72	4830	5.4	64.3	46690	12	27	15900
1972-73	9140	6.7	157	114000	1	18	28230
1973-74	12480	5.8	123	88900	1	7	24540
1974-75	5750	4.2	88.6	64120	12	4	27570

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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. F57C-R

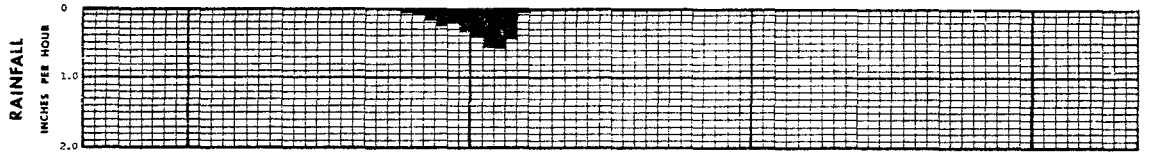
DAILY DISCHARGE IN SECOND-FEET OF LOS ANGELES RIVER above Arroyo Seco FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	9.2	8.5	7.7	12.8	13.7	17.5	12.2	11.0	6.7	20	11.6	7.4
2	10.4	26	9.2	12.5	711	16.5	13.5	10.4	5.8	13.1	9.8	9.2
3	9.2	5.8	78	12.5	2720	20	10.4	10.4	4.6	12.6	8.2	11.1
4	9.2	6.7	5750	12.5	575	17.5	10.4	8.7	5.0	4.2	8.2	12.4
5	7.7	6.7	149	12.0	45	987	1130	7.7	5.4	9.2	9.2	18.4
6	7.2	6.2	28	12.0	19.3	4210	375	11.0	5.0	9.2	14.3	18.4
7	296	7.2	30	12.0	13.7	247	163	11.6	6.7	8.6	9.2	18.4
8	117	7.7	19.4	12.0	8.3	3030	105	8.2	9.2	9.7	8.7	21
9	26	7.2	15.6	11.5	1100	86	759	9.2	10.4	12.9	13.5	25
10	14.9	7.2	11.0	11.5	336	696	63	11.6	9.2	9.3	12.8	19.4
11	18.4	6.7	9.8	11.5	34	250	115	9.8	8.7	9.4	12.8	16.5
12	9.8	8.2	9.2	11.5	19.4	47	90	13.5	7.7	7.8	11.0	14.3
13	8.7	11.0	8.2	11.0	12.8	40	22	17.5	6.7	7.7	12.2	10.5
14	8.7	8.2	7.2	11.0	14.2	30	19.4	14.9	12.2	11.7	12.8	9.2
15	9.8	8.7	7.2	11.0	15.6	20	279	14.9	5.0	15.0	12.8	9.2
16	9.2	8.7	6.7	11.0	15.6	20	33	16.5	5.8	8.2	11.6	40
17	10.4	9.8	9.8	10.5	15.6	20	15.6	13.5	9.5	9.2	11.0	30
18	12.8	10.4	9.8	12.4	17.5	20	12.2	11.6	16.7	13.1	11.0	15.6
19	12.2	11.6	9.8	9.8	19.4	20	8.2	11.6	6.7	23	18.1	17.5
20	8.7	17.5	10.4	9.8	18.4	18.4	7.2	60	8.7	13.5	16.5	20
21	8.7	17.5	9.2	9.8	22	18.4	9.2	35	39	9.9	11.6	19.4
22	8.7	19.4	7.7	9.8	23	750	12.8	13.5	10.4	9.6	9.8	19.4
23	8.7	14.2	6.2	9.2	16.5	35	12.2	10.4	9.2	7.2	8.2	18.4
24	10.4	8.2	6.2	9.8	19.4	22	9.8	9.2	12.8	5.8	7.2	17.5
25	9.8	9.8	5.8	8.7	21	46	11.0	6.2	11.6	6.5	9.2	14.3
26	7.7	9.8	6.7	9.8	19.4	25	6.7	9.8	15.5	5.0	11.0	19.4
27	5.8	9.2	9.2	14.3	17.5	17.5	6.7	11.0	17.3	7.7	12.2	13.7
28	489	8.2	1880	16.5	17.5	18.4	10.4	9.2	22	8.9	11.0	12.4
29	43	7.2	366	10.5		7.7	11.6	11.0	13.5	9.8	10.4	13.7
30	9.8	7.2	22	15.6		8.2	11.6	9.8	15.6	10.4	8.7	19.4
31	6.7		27	31		10.4		8.2		11.6	7.7	
MEAN	39.5	10.0	275	12.1	210	347	112	13.4	10.8	10.2	11.0	17.0
ACRE-FEET	2430	596	16920	745	11660	21360	6630	827	640	625	679	1010

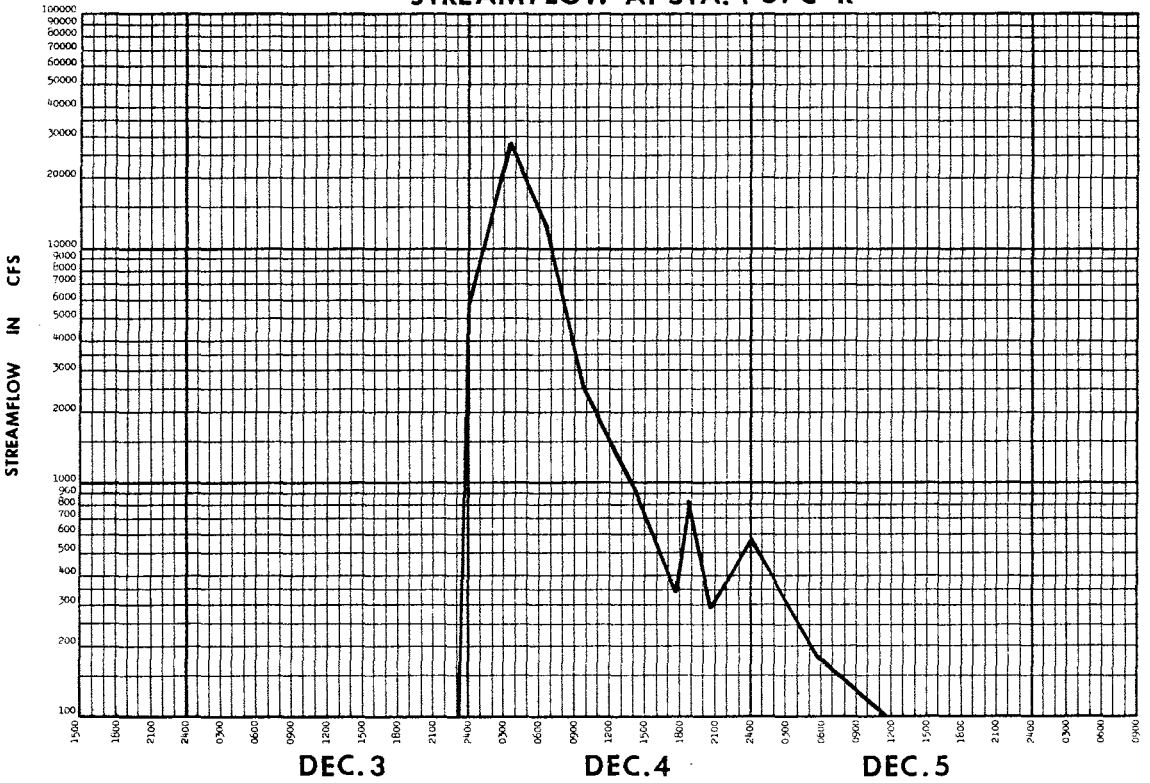
YEAR OR PERIOD MEAN 88.6
ACRE-FEET 64120

2359 FCD 10/73

RAINFALL AT STA. 465B

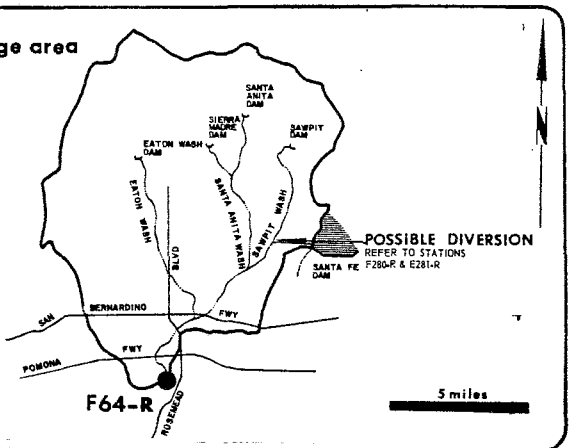


STREAMFLOW AT STA. F57C-R



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

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

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

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

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

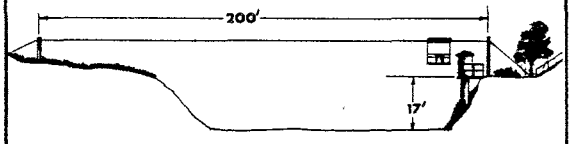
CHANNEL – sand and silt, natural in section

CONTROL – none

LENGTH OF RECORD – July 1, 1928 to date

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

cross-section



STATION DATA SUMMARY

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

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1928-29	586	6.6	22.0	15980	11	14	2400
1929-30	252	8.5	18.6	13430	3	15	1260
1930-31	662	4.8	22.7	16410	2	3	4040
1931-32	5090	3.3	65.6	47560	2	9	6320
1932-33	1670	7.5	27.1	19650	1	19	4410
1933-34	4690	3.3	40.0	28970	1	1	11800
1934-35	885	8.5	40.4	29230	4	8	3560
1935-36	446	10	28.6	20700	2	12	2890
1936-37	989	9.5	70.3	50900	3	15	4600
1937-38	12600E	11	289	209300	3	2	28000
1938-39	1280	14	42.4	30650	12	18	5220
1939-40	505	13	38.1	27660	1	7	2380
1940-41	3490	16	180	130600	3	4	6570
1941-42	687	17	39.8	28810	12	10	4100
1942-43	4650	20	82.2	59470	1	23	13200
1943-44	2110	25	70.8	51390	2	22	4390
1944-45	657	18	44.6	32300	11	11	4240
1945-46	1210	23	59.6	43160	12	22	3600
1946-47	866	22	64.9	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	3.0	22.2	16120	11	15	5330
1953-54	1390	3.1	32.3	23390	2	13	6360
1954-55	748	1.8	15.7	11350	1	18	6000
1955-56	4080	2.7	23.9	17360	1	26	13000
1956-57	1980	2.8	23.2	16840	2	23	8250
1957-58	1970	2.2	161	116500	2	19	12600
1958-59	1180	4.3	55.0	39800	1	6	11000
1959-60	664	5.9	69.0	50100	1	12	3900
1960-61	638	0.8	104	75350	1	26	3030
1961-62	1400	3.4	146	106000	1	20	6070
1962-63	1170	1.0	41.8	30290	3	16	4900
1963-64	794	0	73.4	53270	1	21	4200
1964-65	925	0	108	78300	4	9	6590
1965-66	2340	0.4	128	92380	12	29	7100
1966-67	2120	3.4	118	85810	1	24	8130
1967-68	1490	5.3	118	85660	3	8	7900
1968-69	8600	6.6	201	145700	1	25	20000
1969-70	1680	5.0	66.4	48100	2	28	8220
1970-71	2450	2.5	55.0	39850	11	24	8220
1971-72	1520	2.0	14.0	10150	12	24	5650
1972-73	2150	2.1	57.0	41260	2	11	10910
1973-74	2560	2.0	31.0	22450	1	7	9020
1974-75	1650	1.4	22.1	15990	12	4	12670

E = ESTIMATE

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. F64-R

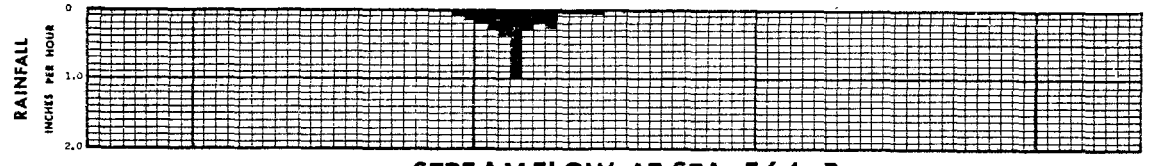
DAILY DISCHARGE IN SECOND-FEET OF RIO HONDO above Mission Bridge FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	c 2.0	c 3.0	c 3.2	b 6.0	b 65	4.9	b 4.0	5.8	b 4.0	4.3	3.4	2.3
2	c 2.0	c 3.0	c 3.2	b 6.0	72	4.9	b 4.0	6.3	3.6	4.3	3.2	1.5
3	c 2.0	c 3.1	17	b 5.8	762	5.1	b 4.0	5.8	3.4	b 4.0	2.6	1.5
4	c 2.0	c 3.2	1650	b 5.6	150	4.3	b 4.0	b 5.5	3.6	4.7	2.6	2.1
5	c 2.0	c 3.3	b 12	b 5.4	b 20	313	200	b 5.2	3.4	4.5	2.8	2.6
6	c 2.0	c 3.4	9.4	b 5.3	b 14	536	96	b 4.8	3.0	4.5	2.8	2.3
7	13	c 3.5	7.9	b 5.2	b 13	77	52	b 4.5	3.0	4.7	1.9	1.4
8	b 5.0	c 3.6	6.8	b 5.1	b 12	475	91	b 4.0	b 3.0	4.9	1.9	1.5
9	b 3.0	c 3.7	6.6	b 5.0	333	b 10	135	3.8	b 3.0	4.9	1.9	b 1.5
10	b 2.0	c 3.8	6.3	b 4.8	118	163	5.6	3.6	b 3.5	4.7	1.5	b 2.0
11	b 2.0	c 3.9	6.0	b 4.6	b 8.0	19	3.8	3.6	b 3.5	4.7	1.7	b 2.0
12	b 2.0	c 4.0	6.6	b 4.4	b 5.0	14	3.4	3.6	b 3.5	4.7	1.5	b 2.5
13	b 2.0	c 4.0	7.4	b 4.3	b 4.5	146	3.2	3.8	b 3.5	4.3	b 1.5	b 2.5
14	b 2.0	c 4.0	7.6	b 4.2	b 4.6	92	3.6	4.3	b 3.5	4.0	b 1.6	b 3.0
15	b 2.0	c 4.0	6.8	b 4.1	b 4.6	13	48	4.0	b 3.5	4.3	b 1.6	b 3.0
16	b 2.0	c 3.9	6.6	b 4.0	b 4.7	b 10	b 6.0	4.3	b 3.5	4.5	b 1.7	b 3.5
17	b 2.0	c 3.8	b 5.5	b 4.0	b 4.8	b 4.0	b 6.0	3.8	b 4.0	4.7	b 1.7	3.8
18	b 2.0	c 3.8	b 4.5	b 4.0	b 4.8	b 4.0	6.9	3.8	b 5.0	4.3	b 1.8	2.6
19	b 2.0	c 3.7	b 4.0	b 4.0	b 4.9	b 4.0	5.6	3.8	b 4.0	3.6	b 1.8	2.8
20	b 2.0	c 3.7	b 4.0	b 4.0	b 5.0	b 4.0	4.5	19	3.6	b 3.7	b 1.9	3.4
21	b 2.0	c 3.6	b 4.0	b 4.0	4.5	b 4.0	4.7	b 3.8	3.6	3.8	b 2.0	b 3.2
22	b 2.0	c 3.5	b 4.0	b 4.0	4.0	290	4.7	3.6	3.8	3.8	b 2.1	b 3.1
23	b 2.0	c 3.4	b 4.0	b 4.0	5.4	b 8.0	4.5	3.6	b 3.8	3.4	b 2.2	3.0
24	b 2.0	c 3.3	b 4.0	b 4.0	6.6	b 4.0	4.9	3.6	b 3.8	b 3.4	b 2.3	3.0
25	b 2.0	c 3.2	b 4.0	b 4.0	5.6	b 26	12	3.8	b 3.8	b 3.3	b 2.4	3.4
26	b 2.0	c 3.2	b 4.0	b 4.0	4.9	b 4.0	b 5.5	3.6	4.5	b 3.2	b 2.5	2.8
27	b 2.0	c 3.2	b 4.0	12	4.3	b 4.0	b 5.5	b 4.0	b 4.3	b 3.1	b 2.5	3.0
28	347	c 3.2	433	b 5.0	4.9	b 4.0	b 5.5	b 4.0	b 4.0	b 3.0	2.6	2.8
29	c 5.0	c 3.2	b 6.0	b 5.0		b 4.0	5.6	4.0	b 3.8	3.0	2.6	3.2
30	c 4.0	c 3.2	b 6.0	b 5.0		b 4.0	5.8	4.3	3.6	3.0	2.5	4.0
31	c 3.0		b 6.0	b 5.0		b 4.0		4.3		3.0	1.9	
MEAN	13.8	3.51	73.0	4.90	56.8	72.9	24.8	4.69	3.67	4.0	2.16	2.64
ACRE-FEET	849	209	4480	301	3150	4480	1480	289	218	247	133	157

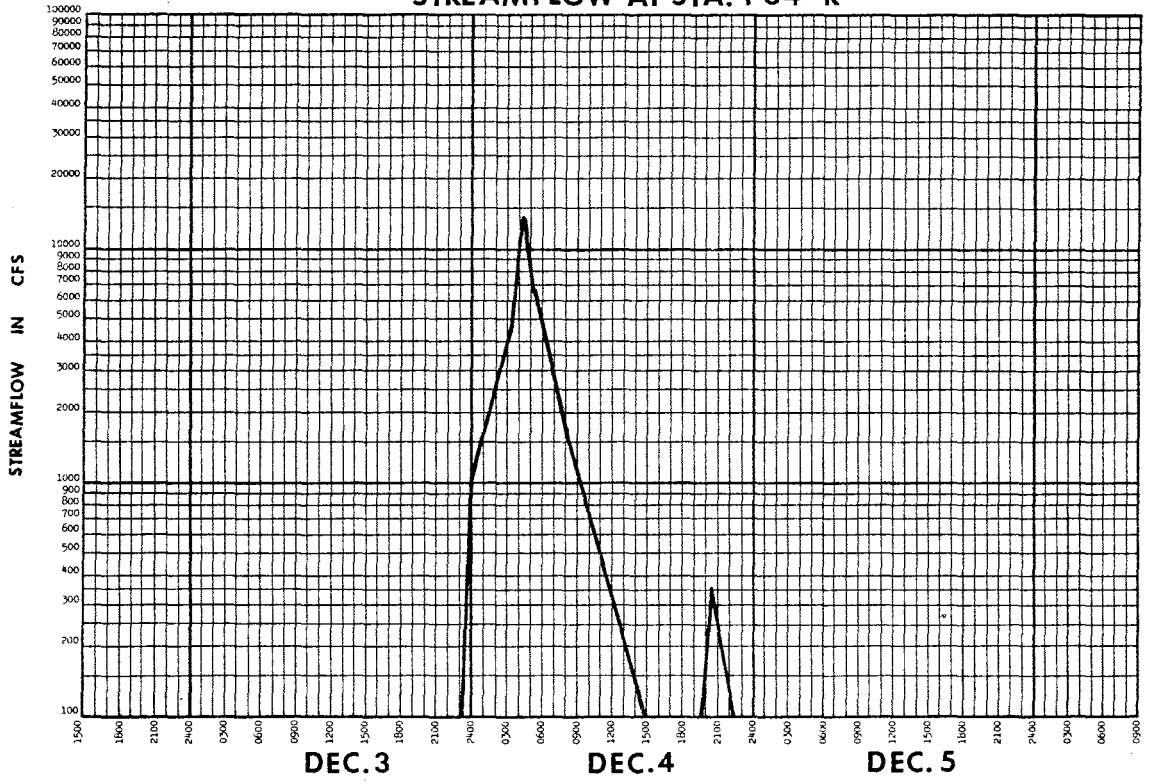
YEAR OR PERIOD MEAN 22.1
ACRE-FEET 15990

2589 FCD 11/72

RAINFALL AT STA. 108D

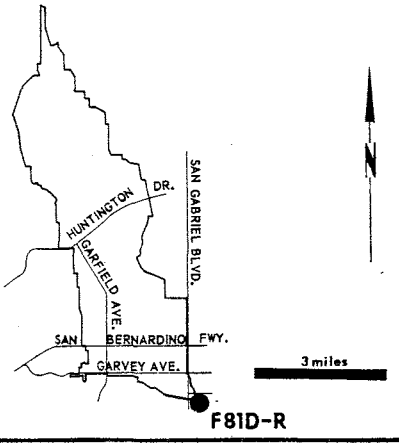


STREAMFLOW AT STA. F64-R



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

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from footbridge

DRAINAGE AREA – 15.2 square miles

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

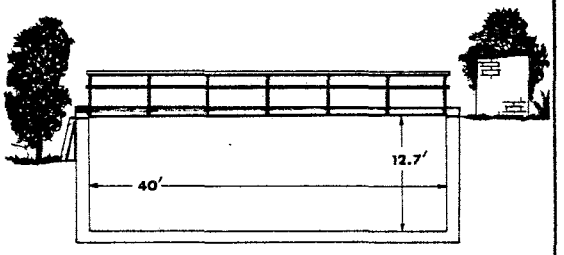
REGULATION – none

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

CONTROL – channel forms control

LENGTH OF RECORD –
at Station F81-R, January 14, 1930 to September 30, 1934
at Station F81B-R, October 1, 1934, to February 25, 1935
at Station F81C-R, February 25, 1935, to April 27, 1936
at Station F81B-R, April 27, 1936, to May 22, 1936
at Station F81D-R, September 2, 1936, to date

cross-section



STATION DATA SUMMARY

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

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1929-30	N.D.	0	N.D.	635	3	14	1870
1930-31	226	0	2.1	1480	2	3	1530
1931-32	220	0	2.7	1940	1	31	1120
1932-33	418	0	2.3	1680	1	19	1850
1933-34	1770	0	8.0	5820	1	1	4890
1934-35RC	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	6570	2	12	2560
1962-63	359	0.1	4.0	2880	3	14	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	949	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

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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

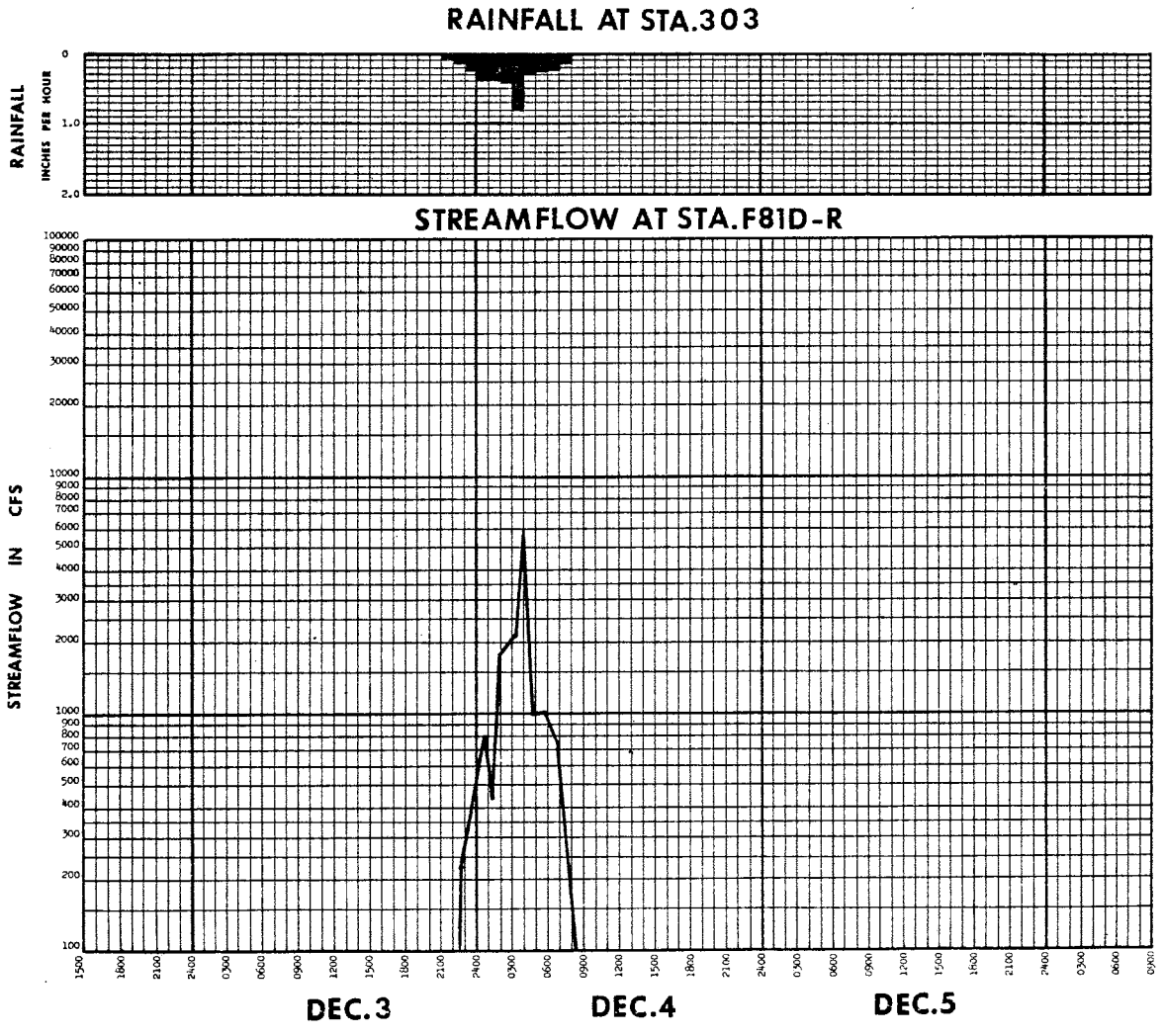
STATION NO F81D-R

DAILY DISCHARGE IN SECOND-FEET OF ALHAMBRA WASH near Klingerman Street FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

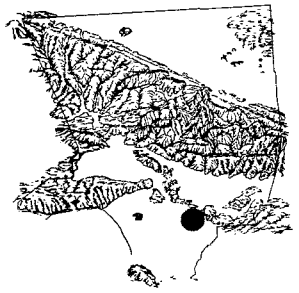
	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.1	0.6	0.4	0.9	0.4	0.4	0.6	0.6	0.8	0.9	0.6	0.4
2	1.1	0.6	0.4	0.9	39	0.5	0.6	0.9	0.8	0.4	0.6	0.6
3	0.9	0.4	27	1.1	204	1.0	0.6	0.4	0.9	0.3	0.6	0.3
4	0.9	0.6	429	0.9	43	1.1	0.6	0.4	1.0	0.3	0.6	0.4
5	0.6	0.6	2.1	0.6	1.9	78	56	0.4	1.0	0.3	0.4	0.6
6	0.9	0.6	0.4	0.9	0.9	62	17.8	0.4	1.0	0.3	0.6	0.6
7	2.8	0.6	0.6	0.6	1.4	28	0.9	0.6	0.9	0.3	0.6	0.4
8	1.1	0.6	0.3	0.8	0.9	134	30	0.7	0.9	0.3	0.4	0.6
9	1.1	0.6	0.4	0.8	107	2.9	23	0.7	0.9	0.4	0.4	0.6
10	0.9	0.6	0.4	0.8	30	44	0.9	0.6	0.9	0.4	0.4	0.6
11	0.9	0.9	0.3	0.7	1.1	1.1	0.6	0.5	1.0	0.4	0.4	0.6
12	0.9	1.1	0.6	0.8	0.9	1.4	0.6	0.7	1.4	0.6	0.4	0.4
13	1.1	0.9	0.6	0.9	0.9	54	0.6	1.0	1.2	0.6	0.3	0.4
14	1.1	0.9	0.9	0.7	0.7	4.6	1.4	0.9	1.2	0.6	0.4	0.6
15	1.1	0.6	0.6	0.5	0.6	0.9	17.8	0.9	1.1	0.4	0.4	0.6
16	1.4	0.6	0.6	0.8	0.7	1.6	0.6	1.0	1.2	0.4	0.6	0.6
17	1.1	0.6	0.6	0.8	0.6	0.9	1.1	0.7	1.3	0.4	0.6	0.6
18	1.4	0.6	0.6	0.7	0.6	1.1	0.9	0.6	1.4	0.4	0.6	0.6
19	1.1	0.6	0.9	0.7	0.6	0.9	0.4	0.6	1.1	0.4	0.6	0.6
20	1.1	1.4	0.9	0.8	0.6	0.9	0.4	6.5	1.1	0.4	0.6	0.4
21	1.1	2.3	0.6	0.6	0.6	1.1	0.6	0.7	1.0	0.4	0.6	0.4
22	1.1	1.6	0.6	0.7	0.5	83	0.6	0.5	1.1	0.3	0.6	0.4
23	1.1	0.6	0.4	0.7	0.6	1.1	0.6	0.6	1.1	0.3	0.6	0.6
24	0.9	0.6	0.4	1.0	0.7	1.1	0.6	0.7	1.1	0.3	0.6	0.6
25	1.1	0.6	0.4	0.9	1.5	4.6	1.4	0.8	1.0	0.3	0.6	0.6
26	1.1	0.4	0.6	1.0	0.5	1.8	0.4	0.8	1.0	0.3	0.6	0.6
27	1.1	0.6	0.6	6.8	0.4	0.4	0.6	0.8	1.0	0.3	0.9	0.6
28	91	0.4	160	1.0	0.4	0.4	0.6	0.8	1.0	0.3	0.9	0.9
29	0.6	0.4	15.7	1.1		0.4	0.9	0.8	1.0	0.3	0.9	1.1
30	0.4	0.4	1.4	2.3		0.4	0.9	0.9	1.0	0.3	0.6	0.9
31	0.4		1.1	0.8		1.1		0.9		0.3	0.6	
MEAN	3.95	0.73	20.9	1.05	15.8	16.6	5.41	0.88	1.05	0.38	0.57	0.57
ACRE-FEET	243	43	1290	65	875	1020	322	54	62	24	35	34

YEAR OR PERIOD MEAN 5.61
ACRE-FEET 4070

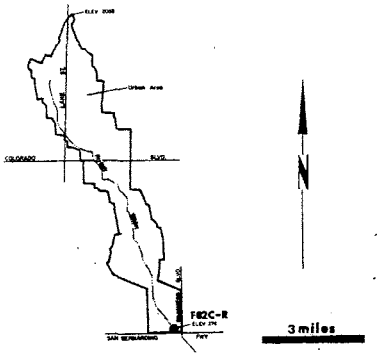
2059 FCD 10/73



STATION NO. F 82C-R
RUBIO WASH
at Glendon Wash



drainage area



RECORDER - 15 MINUTE PUNCHED TAPE

METHOD OF MEASUREMENT - 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

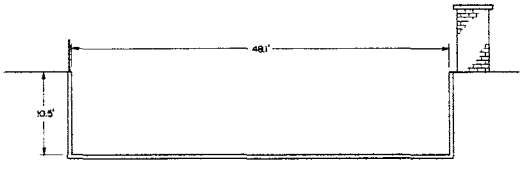
REGULATION - FLOW PARTLY REGULATED BY LAS FLORES AND RUBIO DEBRIS BASINS

CHANNEL - RECTANGULAR CONCRETE

CONTROL - CHANNEL FORMS CONTROL

LENGTH OF RECORD - SEE STATION SUMMARY

cross section



STATION DATA SUMMARY

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

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK MON	PEAK DAY	PEAK FLOW CFS	
1929-30	81	0	1.5	1060	3	14	661	
1930-31R	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	14	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	2400	F
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	2450	
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	3164	
1973-74	460	0.2	5.5	3950	1	7	1985	
1974-75	328	0.3	4.5	3240	12	4	3180	

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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F82C-R

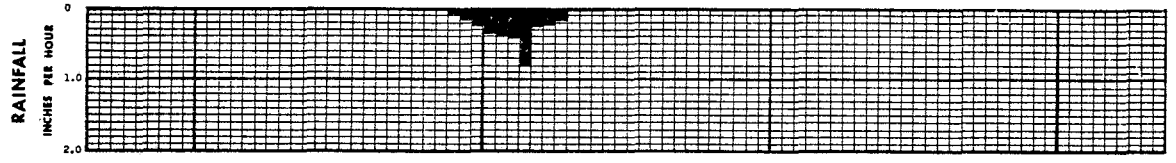
DAILY DISCHARGE IN SECOND-FEET OF RUBIO WASH at Glendon Way FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.4	0.3	0.4	0.4	0.5	1.2	0.3	0.4	0.6	0.3	0.6	1.4
2	0.4	0.6	0.4	0.4	27	1.5	0.3	0.4	0.6	0.3	0.4	0.6
3	0.4	0.4	19.9	0.4	141	1.6	0.3	0.4	0.6	0.4	0.3	0.4
4	0.4	0.4	328	0.4	24	1.4	0.3	0.4	0.5	0.4	0.3	0.6
5	0.4	0.3	2.8	0.4	6.7	82	43	0.4	0.6	0.4	0.3	1.0
6	0.3	0.3	0.4	0.4	2.3	162	22	0.5	0.6	0.4	0.4	1.0
7	2.0	0.4	0.4	0.4	0.6	10.4	2.4	0.4	0.5	0.4	1.4	1.0
8	2.5	0.7	0.3	0.4	1.1	78	13.9	0.6	0.4	0.4	1.9	1.4
9	0.4	0.5	0.4	0.4	60	2.9	17.7	0.6	0.4	0.4	1.9	1.4
10	0.3	0.3	0.4	0.4	27	35.	6.4	0.7	0.5	0.4	1.9	1.4
11	0.4	0.3	0.6	0.4	3.5	4.0	1.7	0.7	0.6	0.4	1.9	1.4
12	0.4	0.6	0.6	0.4	2.8	1.4	0.9	0.5	0.6	0.6	1.9	1.0
13	0.4	0.6	1.0	0.4	1.1	52	1.0	0.7	0.6	0.6	1.9	0.6
14	0.4	0.5	0.9	1.0	0.8	4.5	0.4	0.9	0.4	0.6	1.9	1.0
15	0.3	0.4	0.6	0.4	0.4	0.5	14.4	0.8	0.3	0.6	1.9	1.0
16	0.3	0.4	0.5	0.4	0.4	2.0	0.4	0.9	0.4	0.6	1.9	1.0
17	0.4	0.4	0.4	0.4	0.4	0.7	0.4	0.8	0.6	0.4	1.9	1.0
18	0.4	0.4	0.4	0.4	0.4	0.6	0.4	0.8	1.0	0.3	1.4	1.0
19	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.5	0.4	1.9	1.0
20	0.4	0.4	0.4	0.6	1.1	0.4	0.3	5.0	0.4	0.6	1.9	1.0
21	0.4	0.4	0.5	0.4	0.4	0.4	0.3	0.6	0.4	0.6	1.9	1.0
22	0.4	0.6	0.5	0.4	0.4	43	0.4	0.5	0.4	0.6	1.9	1.0
23	0.4	0.5	0.6	0.4	0.4	0.4	0.4	0.5	0.4	0.6	1.9	1.0
24	0.4	0.4	0.6	0.4	0.7	0.6	0.9	0.6	0.4	0.6	1.0	1.0
25	0.4	0.4	0.6	0.4	0.7	8.5	3.5	0.5	0.4	0.6	1.0	1.0
26	0.4	0.4	0.7	0.4	0.7	0.8	0.3	0.5	0.4	0.6	1.0	1.0
27	0.4	0.4	0.8	6.5	0.9	0.4	0.4	0.6	0.4	0.6	1.0	1.0
28	60	0.4	88	0.8	1.0	0.3	0.4	0.6	0.4	0.6	1.0	1.0
29	1.3	0.4	5.7	0.7		0.3	0.4	0.6	0.4	0.6	1.0	1.0
30	0.4	0.4	1.2	2.2		0.3	0.4	0.6	0.4	0.6	1.0	1.0
31	0.4		0.4	0.6		0.8		0.6		0.6	1.0	
MEAN	2.46	0.43	14.8	0.71	11.0	16.1	4.48	0.74	0.49	0.50	1.35	1.01
ACRE-FEET	151	26	910	44	608	988	265	46	29	31	83	60

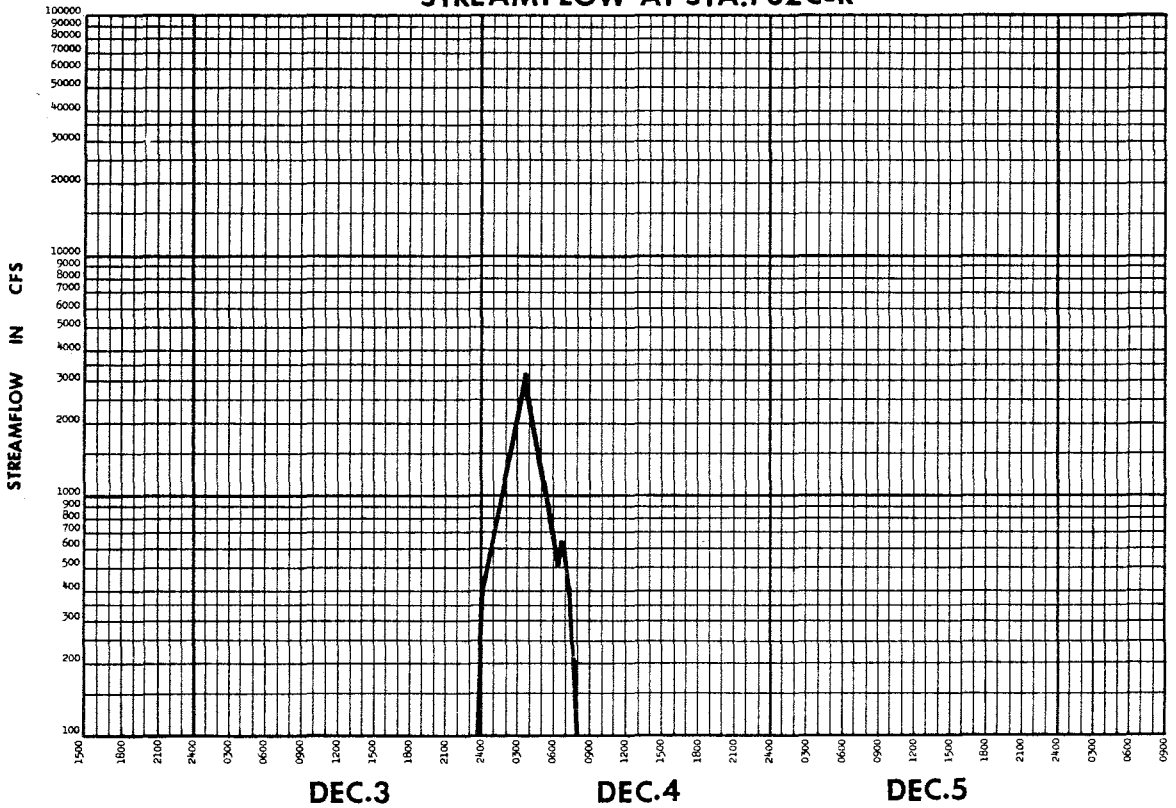
YEAR OR PERIOD MEAN 4.48
ACRE-FEET 3240

2059 FCD 10/73

RAINFALL AT STA. 303F

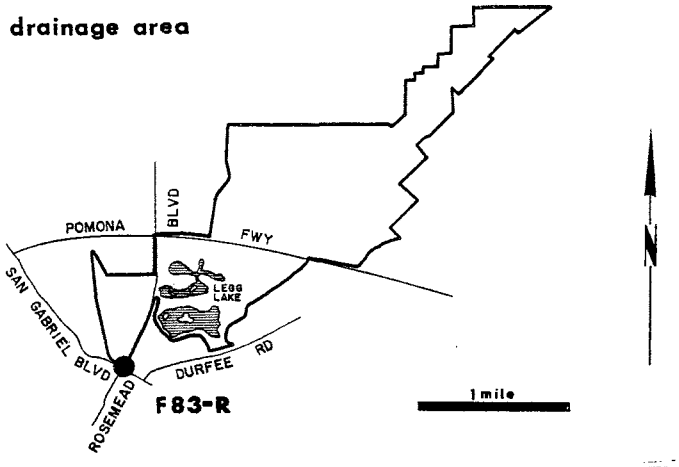


STREAMFLOW AT STA. F82C-R



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

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from bridge

DRAINAGE AREA – 4.2 square miles

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

REGULATION – partially regulated by outflow from Legg Lake

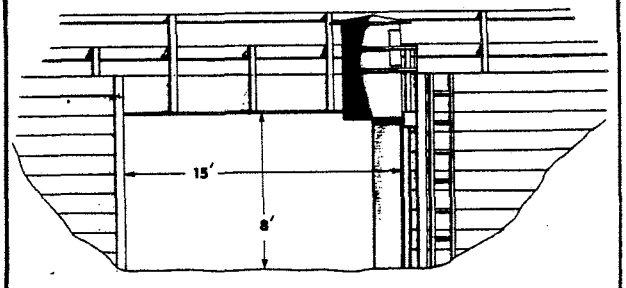
CHANNEL – sand with brush and fences, natural in section

CONTROL – channel forms control

LENGTH OF RECORD – June 14, 1930, to date

REMARKS – nearly all flows originate in rising water

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F83-R

DAILY DISCHARGE IN SECOND-FEET OF MISSION CREEK at San Gabriel Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	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	a 0.2	0	0	0	0	0	0	0
4	0	0	a 0.1	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	+	0	0	0	0	0	0	0
10	0	0	0	0	+	0	0	0	0	0	0	0
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
ACRE-FEET	0	0	0.2	0	0.4	0	0	0	0	0	0	0

YEAR OR PERIOD MEAN +

ACRE-FEET 0.6

2059 FCD 10/73

STATION DATA SUMMARY

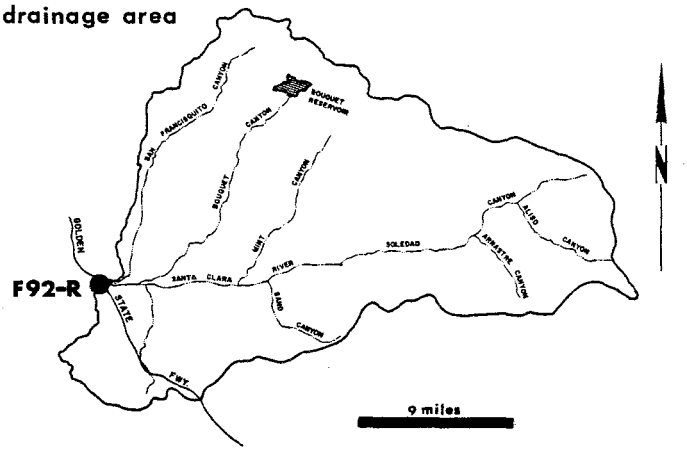
STA. NO. F83-R
MISSION CREEK AT SAN GABRIEL BOULEVARD

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

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

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

drainage area



RECORDER - continuous water stage

METHOD OF MEASUREMENTS - wading or from cable car

DRAINAGE AREA - 410.4 square miles

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

REGULATION - partially regulated by Bouquet Canyon and Dry Canyon Reservoirs

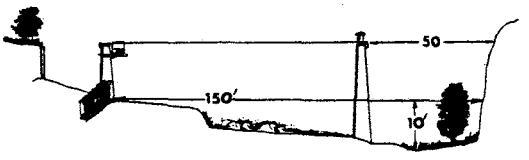
CHANNEL - sand and gravel with brush, natural section

CONTROL - none

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

REMARKS - subject to diversions for irrigation

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F92-R

DAILY DISCHARGE IN SECOND-FEET OF SANTA CLARA RIVER at Old Highway 99 bridge FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	5.5	4.4	2.0	1.4	1.2	2.0	3.6	2.0	1.5	5.5	5.8	4.4
2	6.1	4.1	1.8	1.5	34.	2.0	3.3	1.8	2.3	4.8	6.1	4.4
3	5.5	3.8	2.5	1.5	73.	2.3	3.3	1.8	1.8	5.5	6.8	5.5
4	5.5	4.4	136.	1.5	6.7	2.5	2.3	1.5	2.3	6.8	7.2	3.8
5	4.4	4.1	3.1	1.5	5.5	62.	17.	1.4	2.8	6.1	6.1	3.6
6	3.8	4.1	2.5	1.5	4.1	148.	4.8	1.4	2.5	5.5	6.5	6.1
7	20.	4.1	61.	1.5	5.5	b 3.0	3.1	1.5	2.0	6.1	5.5	5.1
8	b 3.1	4.4	b 5.6	1.5	a 5.5	187.	3.1	1.8	2.5	6.5	4.1	6.5
9	1.8	4.1	b 1.8	1.5	a 10.	b 4.4	16.	1.8	4.1	5.1	4.8	6.8
10	2.8	3.3	b 1.8	1.5	a 7.0	b 4.8	5.7	2.0	3.8	5.1	4.8	4.4
11	3.1	3.6	b 1.8	1.5	a 4.1	2.5	5.4	1.5	3.6	3.8	5.5	5.5
12	2.0	4.1	b 1.8	1.5	a 3.8	1.5	4.4	0.9	3.8	5.8	5.8	a 5.0
13	1.5	3.6	1.8	1.5	a 3.6	1.8	3.6	0.9	3.8	5.8	5.5	4.4
14	2.5	3.8	1.5	1.5	a 3.3	2.0	2.5	1.5	4.1	4.1	6.1	4.1
15	3.1	3.8	1.5	1.8	a 3.1	1.8	2.8	2.3	3.8	6.0	6.8	5.5
16	2.8	3.3	1.5	1.8	a 2.8	1.8	1.8	2.3	3.6	6.1	6.5	4.8
17	2.8	2.8	1.5	1.5	a 2.5	1.8	2.3	2.0	2.3	6.5	5.5	4.8
18	2.8	3.3	1.5	1.5	a 2.3	2.0	2.0	2.0	2.0	5.1	4.8	6.1
19	2.5	3.1	1.5	1.5	a 2.0	2.3	3.1	2.8	3.8	4.4	3.8	4.8
20	2.5	2.5	1.5	1.5	1.8	3.1	3.6	2.5	4.8	4.4	2.0	5.1
21	2.8	2.5	1.4	1.5	1.8	3.3	3.1	2.5	2.3	5.5	2.0	6.5
22	2.8	2.3	1.2	1.2	2.0	5.1	3.3	2.0	1.4	5.5	3.1	6.5
23	3.1	2.0	1.2	1.2	2.0	2.8	3.1	2.0	2.3	4.1	3.6	4.1
24	3.3	1.8	1.4	1.2	1.8	2.3	2.5	2.0	2.3	3.6	3.3	4.8
25	3.1	2.0	1.4	1.4	1.8	2.0	2.0	2.3	2.8	5.1	3.8	6.8
26	3.1	2.0	1.4	1.5	1.8	1.5	2.8	2.3	2.8	4.8	3.1	8.0
27	2.8	2.0	1.5	1.5	1.8	1.8	2.8	2.0	3.8	4.1	2.8	5.8
28	4.1	2.3	56.	1.5	1.8	2.5	2.5	2.0	3.8	5.8	3.3	4.4
29	3.8	2.0	b 3.0	1.4	---	3.6	2.0	2.3	3.3	6.1	2.5	3.8
30	3.8	2.3	1.8	1.2		4.1	2.5	1.0	3.8	5.5	3.3	3.6
31	4.4		1.5	1.2		3.6		1.8		6.1	4.4	
MEAN	3.91	3.20	9.86	1.46	7.02	15.2	4.01	1.87	2.99	5.3	4.7	5.17
ACRE-FEET	240	190	607	90	390	935	239	115	178	327	288	307

YEAR OR PERIOD MEAN 5.40
ACRE-FEET 3910

STATION DATA SUMMARY

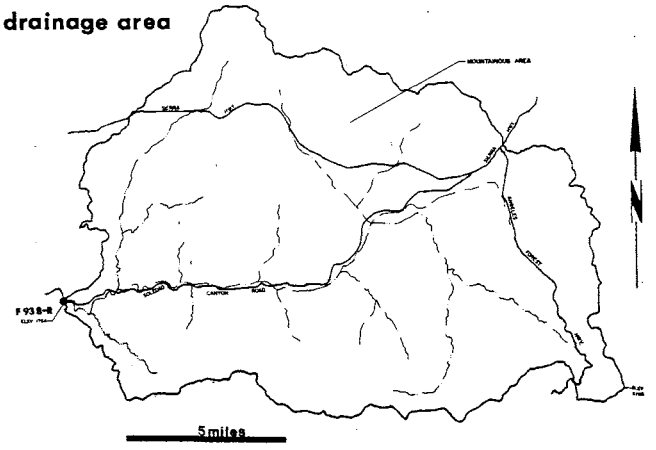
STA. NO. F92-R
SANTA CLARA RIVER AT OLD HIGHWAY BRIDGE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1929-30	83	0.2	1.1	793	3	15	193
1930-31	291	0.1	2.6	1890	2	7	2310
1931-32	739	0.1	5.9	4280	2	9	2090
1932-33	90	0	0.7	488	1	19	618
1933-34	448	+	2.2	1600	1	1	3870
1934-35	82	+	1.5	1090	1	5	608
1935-36	113	0	2.2	1590	2	23	833
1936-37	471	0	6.7	4850	12	27	3410
1937-38	6370	+	37.2	26900	3	2	24000E
1938-39B	435E	+	14.4	10410	12	15	4620
1939-40	79	0.3	2.2	1570	2	1	676
1940-41	3450	0.3	57.1	41320	3	4	5050
1941-42	167	0.6	32.3	23400	12	28	443
1942-43	5420	1.4	65.2	47170	1	23	15000
1943-44	9360	2.0	68.6	49770	2	22	22200
1944-45	110	2.2	15.3	11050	2	2	317
1945-46	194	0.4	8.9	6440	3	30	500
1946-47	371	1.0	15.4	11150	12	26	1620
1947-48	33E	0.8	3.1	2270	3	24	350E
1948-49	4.9	0.4	1.8	1300	3	11	9.9
1949-50	5.2	0.1	1.2	888	2	6	8.5
1950-51	2.0	+	0.3	217	1	29	6.2
1951-52	1620	+	23.1	16760	1	16	7600
1952-53	43	0.1	0.8	592	12	1	N.D.
1953-54	104	+	1.6	1160	1	19	626
1954-55	96	+	0.8	612	1	18	746
1955-56	184	+	1.4	1000	1	26	344
1956-57A	195	0	1.4	1020	2	28	1920
1957-58	1440	0	14.7	10620	4	3	3850
1958-59	215	0	1.3	940	1	6	1410
1959-60	12	0	0.4	288	4	27	151
1960-61	58	0	0.7	533	11	5	830
1961-62	1690	0	14.5	10470	2	12	4250
1962-63	105	0	1.3	965	3	16	1470
1963-64	85	0	1.1	780	1	22	860
1964-65	240	0	2.1	1550	4	8	1260
1965-66	3200	0	22.0	15990	12	29	11600
1966-67	820	+	9.8	7100	1	24	3000
1967-68	475	0	4.2	3070	11	19	2810
1968-69	N.D.	0.2	**	30170E	2	25	31800E
1969-70	164	1.0	13.3	9610	3	1	900
1970-71	1830	0.5	15.1	10930	11	29	8150
1971-72	442	0.5	9.2	6640	12	27	2200
1972-73	1470	0.4	13.0	9450	2	11	4760
1973-74	984	1.0	9.1	6600	1	7	2440
1974-75	187	0.9	5.4	3910	12	4	1120

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

STATION NO. F93B-R
SANTA CLARA RIVER above Lang Station at R.R. Bridge

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading

DRAINAGE AREA – 157.3 square miles

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

REGULATION – none

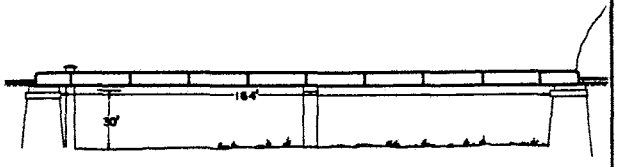
CHANNEL – sand, gravel, and rock, natural section

CONTROL – none

LENGTH OF RECORD – April 3, 1970, to date

REMARKS – Station F93-R, located 0.25 mile below Station F93B-R, is maintained for high flows. It has daily records available for the Seasons 1949-1968, as shown in the summary.

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F93B-R

DAILY DISCHARGE IN SECOND-FEET OF SANTA CLARA RIVER East of Lang Railroad Station FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0.1	0.3	1.0	0.9	0.9	1.0	2.7	0.7	0.4	a 0.1	a 0
2	0	0.2	0.2	0.9	1.7	1.0	1.2	2.9	0.6	0.4	a 0.1	a 0
3	0	0.3	0.3	0.8	4.4	1.9	1.4	2.7	0.6	0.4	a 0.1	a 0
4	0	0.3	12	0.8	3.3	2.2	1.6	2.2	0.5	0.4	a 0.1	a 0
5	0	0.4	b 1.8	0.8	2.3	2.3	2.7	2.7	0.5	0.4	a 0.1	a 0
6	0	0.5	b 1.7	0.8	2.2	13	3.5	2.7	0.7	0.4	a 0.1	a 0
7	+	0.5	b 1.6	0.8	2.0	8.8	3.3	2.5	0.6	0.4	a 0.1	a 0
8	b 0.1	0.5	b 1.5	0.8	1.8	11	2.9	2.2	0.5	0.4	a 0.1	a 0
9	0.1	0.5	b 1.4	0.9	2.0	6.9	4.6	2.2	** 0.5	0.4	a 0.1	a 0
10	0.1	0.5	b 1.4	0.9	1.8	5.8	4.2	2.2	0.5	0.4	a 0.1	a 0
11	0.1	0.4	b 1.3	0.8	1.6	5.1	4.6	2.3	0.5	0.3	a 0.1	a 0
12	+	0.4	b 1.3	0.9	1.4	4.6	4.4	3.1	0.5	0.3	a 0.1	a 0**
13*	0.1	0.4	b 1.2	0.9	1.6	4.4	4.0	4.0	0.4	0.3	a 0.1	a 0
14	+	0.3	1.2	0.8	1.6	4.4	3.8	1.4	0.4	0.3	a +	a 0
15	+	0.3	1.0	0.8	1.6	3.8	4.4	1.1	0.5	0.3	a +	a 0
16	+	0.3	0.8	0.7	1.6	3.1	4.0	1.0	0.5	0.3	a +	a 0
17	+	0.3	0.8	0.6	1.4	2.9	3.5	1.0	0.5	a 0.2	a +	a 0
18	+	0.2	0.7	0.7	1.2	2.9	3.1	1.0	0.5	a 0.2	a +	a 0
19	+	0.2	0.7	0.7	1.4	2.9	3.1	0.9	0.6	a 0.2	e +	a 0
20	+	0.2	0.8	0.7	1.2	2.7	2.9	1.1	0.6	a 0.1	a +	a 0
21	+	0.2	0.8	0.8	1.2	2.7	3.3	1.2	0.6	a 0.1	a +	a 0
22	+	0.3	0.9	0.8	1.2	2.9	3.8	1.2	0.6	a 0.1	a +	a 0
23	0.1	0.3	0.9	0.9	1.1	2.7	1.2	1.1	0.5	a 0.1	a 0	a 0
24	0.1	0.2	0.9	0.9	1.1	2.7	2.2	1.0	0.5	a 0.1	a 0	a 0
25	0.1	0.2	0.9	1.0	1.0	2.7	2.5	1.1	0.5	a 0.1	a 0	a 0
26	0.1	0.3	1.0	1.0	0.9	2.7	2.7	1.0	0.5	a 0.1	a 0	a 0
27	0.1	0.3	0.8	1.0	0.9	2.3	2.7	1.0	0.4	a 0.1	a 0	a 0
28	0.1	0.4	1.8	1.0	0.9	2.0	2.9	0.9	0.5	a 0.1	a 0	a 0
29	0.1	0.4	1.6	1.0		1.6	2.9	0.8	0.5	a 0.1	a 0	a 0
30	0.1	0.4	1.1	1.0		1.0	2.7	0.7	0.4	a 0.1	a 0	a 0
31	0.1		1.0	1.0		0.9		0.7		a 0.1	a 0	
MEAN	0.05	0.33	1.41	0.85	1.62	3.70	3.04	1.70	0.52	0.25	0.04	0
ACRE-FEET	2.8	19	87	53	90	228	181	104	31	15	2.6	0

YEAR OR PERIOD MEAN 1.12
ACRE-FEET 813

2088 FCD 10/75

STATION DATA SUMMARY

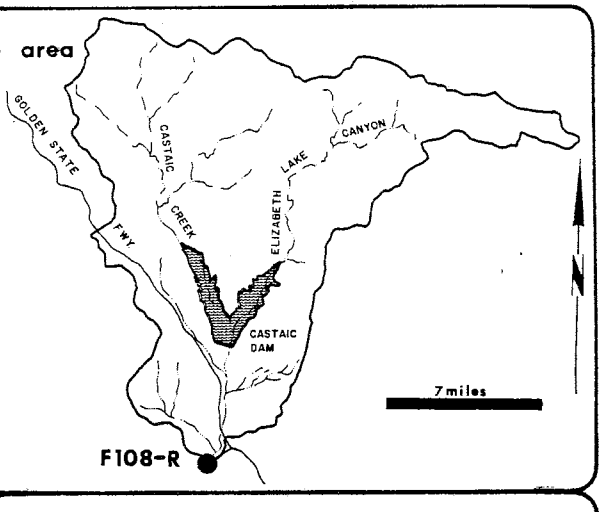
STA. NO. F93B-R
SANTA CLARA RIVER AT LANG RAILROAD BRIDGE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1949-50	5.2	0.8	1.5	1110	2	6	6.0
1950-51	1.7	0.6	1.1	774	4	28	2.0
1951-52	1280	0.5	29.3	21230	1	16	4200
1952-53	9.0	1.2	3.1	2250	11	15	39
1953-54	18	1.0	2.8	2000	1	25	29
1954-55	4.8	1.0	1.8	1270	1	18	5.8
1955-56	4.0	1.0	1.5	1100	4	13	5.0
1956-57	1.6	0.9	1.3	906	1	12	1.7
1957-58	509	1.0	14.5	7340	4	3	1260
1958-59	21	1.1	2.5	1780	1	6	40
1959-60	1.3	0.9	1.1	807	VARIOUS		1.3
1960-61	46	0.3	1.4	980	11	6	500 E
1961-62	308	0.2	5.8	4190	2	11	500
1962-63	4.6	1.1	1.6	1160	2	9	60
1963-64	1.2	0.6	1.0	697	1	22	70
1964-65	5.9	0.3	0.6	432	4	9	35
1965-66	942	0.4	12.7	9240	12	29	4040
1966-67	90	0.8	11.4	8270	1	24	265
1967-68	38	0.3	2.8	2000	11	21	200
1968-69	NO RECORD				2	25	5900E
1969-70	60	0.1	5.3	3860	3	1	200 E
1970-71	195	+	6.2	4510	11	29	620
1971-72	33	0	2.2	1600	12	25	79
1972-73	458	0	5.1	3670	2	11	953
1973-74	70	0	2.3	1670	1	7	264
1974-75	13	0	1.1	813	12	4	59

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

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

drainage area



RECOROER – continuous water stage

METHOD OF MEASUREMENTS – wading or from bridge

DRAINAGE AREA – 202.5 square miles

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

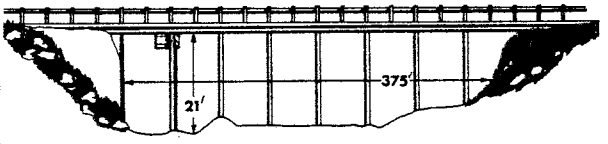
REGULATION – none

CHANNEL – sand and gravel, natural section

CONTROL – channel forms control

LENGTH OF RECORD – December 27, 1945, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F108-R

DAILY DISCHARGE IN SECOND-FEET OF CASTAIC CREEK at Highway 126 FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	0	1.0	1.1	2.8	2.4	3.5	3.3	2.6	10	6.1	0.2	0
2	0	1.1	1.1	2.6	7.3	3.5	3.3	2.2	10	4.1	0.1	0
3	0	0.9	1.2	2.5	36	3.7	3.5	2.4	11	3.5	0.1	0
4	0	0.9	36	2.5	4.9	3.7	3.1	2.4	11	3.5	0.1	0
5	0	0.9	2.9	2.5	4.1	4.1	5.8	2.4	11	a 3.0	0.1	0
6	0	0.9	2.2	2.4	3.9	15	6.6	2.2	11	a 2.6	0.1	0
7	6.1	0.9	2.1	2.4	3.9	4.5	6.1	2.2	11	a 2.2	0.1	0
8	3.9	0.9	2.1	2.5	3.9	21	5.5	2.1	12	a 1.8	0.1	0
9	2.6	1.0	2.1	2.4	5.5	3.5	4.7	2.0	45	a 1.4	0.1	0
10	2.4	1.1	2.1	2.6	5.8	2.8	4.3	1.9	88	a 1.0	0.1	0
11	2.2	1.2	2.2	2.5	4.3	2.5	3.9	1.5	5.9	0.6	0.1	0
12	2.1	1.1	2.2	2.6	3.9	2.4	3.9	1.2	3.3	0.6	0.1	0
13	2.0	1.1	2.1	2.9	3.7	2.4	3.5	1.0	3.7	0.7	0.1	0
14	1.7	1.4	2.1	2.6	3.9	2.6	3.3	0.8	3.9	0.6	0.1	0
15	1.6	1.1	2.1	2.5	3.7	2.4	3.7	0.7	4.1	0.6	+	0
16	1.6	1.1	2.1	2.5	3.5	2.5	3.5	0.6	4.9	0.5	+	0
17	1.4	1.1	2.1	2.1	3.3	2.5	3.1	2.9	4.9	0.4	+	0
18	1.4	1.1	2.1	2.1	3.3	2.6	2.9	6.1	5.2	0.4	0	0
19	1.3	1.1	2.2	2.0	3.5	2.8	2.8	9.0	6.1	0.4	0	0
20	1.2	1.1	2.2	2.1	3.5	2.9	2.9	15	a 6.9	0.4	0	0
21	1.1	1.1	2.2	2.1	3.5	2.9	3.1	7.5	a 7.2	0.4	0	0
22	1.0	1.0	2.2	2.0	3.3	3.9	2.9	10	a 7.5	0.4	0	0
23	1.0	1.0	2.2	2.0	3.3	3.5	2.9	12	a 7.8	0.3	0	0
24	1.0	1.0	2.2	2.4	3.3	3.1	2.9	12	a 8.8	0.3	0	0
25	1.0	1.0	2.2	2.1	3.7	3.1	3.1	12	a 8.0	0.3	0	0
26	1.0	1.0	2.2	2.1	3.1	3.1	2.6	11	a 7.2	0.3	0	0
27	1.0	1.0	5.8	2.2	3.3	3.1	2.6	11	a 6.3	0.6	0	0
28	1.0	1.1	24	2.1	3.3	3.1	2.5	12	a 5.5	0.7	0	0
29	1.0	1.1	6.6	2.1		3.1	2.5	12	a 6.4	0.3	0	0
30	0.9	1.1	3.1	2.1		3.1	2.6	9.0	a 6.6	0.2	0	0
31	0.9		2.8	2.2		3.3		10		0.2	0	
MEAN	1.37	1.05	4.19	2.34	5.04	4.07	3.58	5.80	11.3	1.24	.05	0
ACRE-FEET	84	62	257	144	280	250	213	356	675	76	3.0	0

YEAR OR PERIOD MEAN 3.32
ACRE-FEET 2400

2059 FCD 12/73

STATION DATA SUMMARY

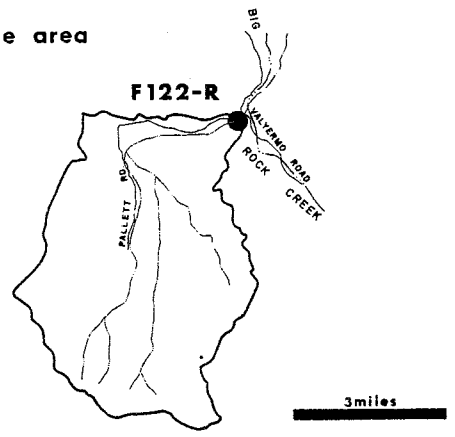
STA. NO. F108-R
CASTAIC CREEK AT HIGHWAY 126

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS	
1946-47	435	0	4.2	3080	12	26	1440	
1947-48	24	0	0.1	77	3	24	243	
1948-49	0	0	0	0			0	
1949-50	0	0	0	0			0	
1950-51	0	0	0	0			0	
1951-52	1450	0	26.6	19330	1	15	4200	
1952-53	31	0	0.2	133	12	2	377	
1953-54	270	0	1.4	977	2	19	1480	
1954-55	27	0	0.2	134	4	30	82	
1955-56	123	0	0.4	311	1	26	281	
1956-57	63	0	0.2	184	1	13	237	
1957-58	1450	0	33.4	24180	4	3	2690	
1958-59	170	0	0.6	472	2	16	466	E
1959-60	0	0	0	0			0	
1960-61	0.4	0	+	08	11	6	3.1	
1961-62	2190	0	20.5	14850	2	11	3170	
1962-63	8.1	0	+	32	3	16	76	
1963-64	0.2	0	+	0.4	1	22	1.5	E
1964-65	24	0	0.1	78	4	9	96	
1965-66	2350	0	18.5	13420	12	29	9900	
1966-67	829	0	37.8	27420	1	24	4250	
1967-68	236	0	9.1	6610	11	30	1820	
1968-69	6980	0	137	99400	2	25	19300	
1969-70	112	0.4	8.6	6270	2	10	212	
1970-71	153	0	5.1	3690	11	29	355	
1971-72	17	0	2.0	1490	12	24	35	
1972-73	1910	0	23.9	17280	2	11	4630	
1973-74	474	0	9.5	6900	1	8	695	
1974-75	88	0	3.3	2400	12	4	232	

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

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

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from bridge

DRAINAGE AREA – 15.8 square miles

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

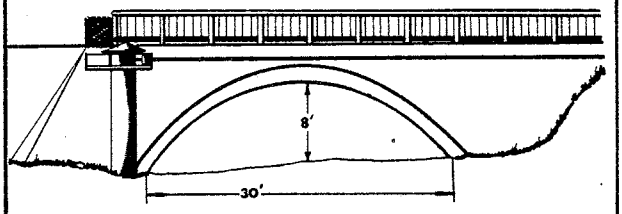
REGULATION – none

CHANNEL – sand and gravel, natural section

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

LENGTH OF RECORD –
at Station F122-S, December 29, 1930, to October 31, 1961
at Station F122-R, October 31, 1961, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F122-R

DAILY DISCHARGE IN SECOND-FEET OF PALLETTE CREEK at Valyermo Road FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	0.1	0.2	0.3	a 0.4	0.2	a 0.2	0.3	0.2	0.1	0	0	0
2	0.1	a 0.2	0.3	a 0.4	0.2	a 0.2	0.2	0.2	0.1	0	0	0
3	0.2	a 0.2	0.3	a 0.4	0.2	a 0.2	0.3	0.2	0.1	0	0	0
4	0.2	a 0.2	1.1	a 0.4	0.2	a 0.2	0.3	0.2	0.1	0	0	0
5	0.2	a 0.3	0.5	a 0.4	0.2	a 0.2	0.3	0.2	0.1	0	0	0
6	0.2	a 0.3	0.5	a 0.4	0.2	a 1.6	0.3	0.2	0.1	0	0	0
7	0.4	0.3	0.5	a 0.4	0.2	a 1.1	0.3	0.2	0.1	0	0	0
8	0.4	0.3	0.5	0.4	0.2	a 1.5	0.3	0.2	0.1	0	0	0
9	0.4	0.2	0.5	0.4	0.2	a 0.8	0.4	0.2	0.1	0	0	0
10	0.2	0.2	0.5	0.4	0.2	a 0.4	0.4	0.2	0.1	0	0	0
11	0.1	0.3	0.5	0.4	0.2	a 0.3	0.3	0.2	0.1	0	0	0
12	+	0.2	0.4	0.4	0.2	0.3	0.3	0.2	0.1	0	0	0
13	+	0.2	0.4	0.4	0.2	0.3	0.3	0.2	+	0	0	0
14	+	0.3	0.4	0.4	0.2	0.3	0.3	0.2	+	0	0	0
15	+	0.3	0.4	0.4	0.2	0.3	0.3	0.2	+	0	0	0
16	+	0.3	0.4	0.3	0.2	0.3	0.3	0.2	+	0	0	0
17	+	0.4	0.4	0.3	0.2	0.3	0.3	0.2	+	0	0	0
18	+	0.4	0.4	0.3	0.2	0.3	0.3	0.2	+	0	0	0
19	+	0.4	0.4	0.3	0.2	0.3	0.3	0.2	+	0	0	0
20	+	0.4	0.4	0.3	0.2	0.3	0.3	0.2	+	0	0	0
21	+	0.3	0.5	0.3	0.2	0.3	0.3	0.2	+	0	0	0
22	+	0.3	0.5	0.4	0.2	0.3	0.3	0.2	+	0	0	0
23	0.1	0.3	0.5	0.4	a 0.2	0.3	0.2	0.2	+	0	0	0
24	0.1	0.3	0.4	0.3	a 0.2	0.3	0.2	0.2	+	0	0	0
25	0.1	0.3	0.4	0.3	a 0.2	0.3	0.2	0.2	+	0	0	0
26	0.2	0.3	0.4	0.3	a 0.2	0.3	0.2	0.1	+	0	0	0
27	0.2	0.3	0.4	0.3	a 0.2	0.3	0.2	0.1	+	0	0	0
28	0.2	0.3	0.5	0.3	a 0.2	0.3	0.2	0.1	0	0	0	0
29	0.2	0.3	0.5	0.3		0.3	0.2	0.1	0	0	0	0
30	0.2	0.3	0.5	0.3		0.3	0.2	0.1	0	0	0	0
31	0.2		0.5	0.3		0.3		0.1		0	0	
MEAN	0.13	0.29	0.46	0.35	0.20	0.41	0.28	0.18	0.04	0	0	0
ACRE-FEET	7.9	17	28	22	11	25	16	11	2.4	0	0	0

YEAR OR PERIOD MEAN 0.20
ACRE-FEET 140

2059 FCD 10/73

STATION DATA SUMMARY

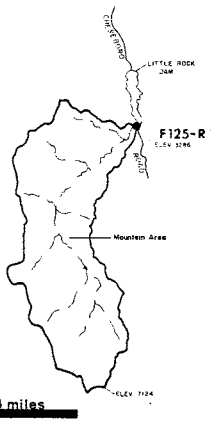
STA. NO. F122-R
PALLETT CREEK AT VALYERMO HIGHWAY

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1961-62	92	0	0.4	311	2	11	259
1962-63	0.7	0	0.3	190	2	9	3.0
1963-64	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	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

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

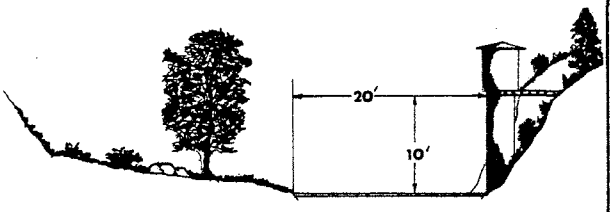
STATION NO. F125 - R
SANTIAGO CREEK
above Little Rock Creek

drainage area



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

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F125-R

DAILY DISCHARGE IN SECOND-FEET OF SANTIAGO CREEK above Little Rock Creek FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	0	0	0	0	0	0	0.5	b 0.3	0	0	0	0
2	0	0	0	0	0	0	0.5	b 0.3	0	0	0	0
3	0	0	0	0	0	0	0.5	b 0.3	0	0	0	0
4	0	0	1.3	0	0	0	0.4	0.3	0	0	0	0
5	0	0	0.1	0	0	0.1	0.5	0.3	0	0	0	0
6	0	0	0	0	0	3.8	0.5	0.2	0	0	0	0
7	+	0	0	0	0	b 2.6	0.5	0.2	0	0	0	0
8	0	0	0	0	0	b 3.7	0.4	0.1	0	0	0	0
9	0	0	0	0	0.2	b 3.2	0.6	0.1	0	0	0	0
10	0	0	0	0	0.6	b 1.9	0.6	0.1	0	0	0	0
11	0	0	0	0	0.3	1.6	0.6	b 0.1	0	0	0	0
12	0	0	0	0	0.2	1.5	0.5	b 0.1	0	0	0	0
13	0	0	0	0	+	1.3	0.8	b 0.1	0	0	0	0
14	0	0	0	0	0	1.3	1.0	b 0.1	0	0	0	0
15	0	0	0	0	0.1	1.2	0.9	b 0.1	0	0	0	0
16	0	0	0	0	0	1.2	0.8	b 0.1	0	0	0	0
17	0	0	0	0	0	1.1	0.8	b 0.1	0	0	0	0
18	0	0	0	0	0	0.9	0.8	b 0.1	0	0	0	0
19	0	0	0	0	0	0.9	0.4	b 0.1	0	0	0	0
20	0	0	0	0	0	0.9	0.4	0.2	0	0	0	0
21	0	0	0	0	0	1.0	0.6	0.1	0	0	0	0
22	0	0	0	0	0	1.1	0.9	0.1	0	0	0	0
23	0	0	0	0	0	1.1	1.2	+	0	0	0	0
24	0	0	0	0	0	0.9	0.9	+	0	0	0	0
25	0	0	0	0	0	0.9	0.9	+	0	0	0	0
26	0	0	0	0	0	0.9	0.6	+	0	0	0	0
27	0	0	0	0	0	0.8	0.3	0	0	0	0	0
28	0	0	0	0	0	0.8	0.3	0	0	0	0	0
29	0	0	0	0		0.7	b 0.3	0	0	0	0	0
30	0	0	0	0		0.6	b 0.3	0	0	0	0	0
31	0		0	0		0.6		0		0	0	
MEAN	+	0	0.05	0	0.05	1.18	0.61	0.11	0	0	0	0
ACRE-FEET	+	0	2.8	0	2.8	72.6	36.3	6.9	0	0	0	0

YEAR OR PERIOD MEAN 0.17
ACRE-FEET 121

2059 FCD 10/73

STATION DATA SUMMARY

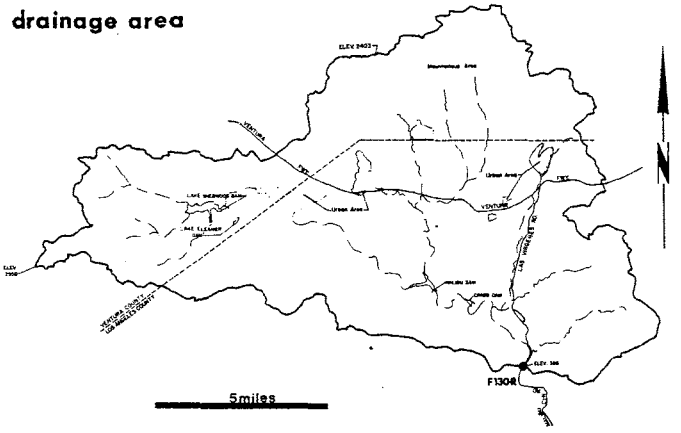
STA. NO. F125-R
SANTIAGO CREEK ABOVE LITTLE ROCK CREEK

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1953-54	24	0	0.9	631	1	25	44
1954-55	13	0	0.8	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	1.0
1963-64	0.4	0	+	10	4	2	0.6
1964-65	3.5	0	0.1	87	4	20	4.0
1965-66	78	0	1.3	926	12	29	269
1966-67	38	0	1.4	982	12	6	66
1967-68	9.5	0	0.5	380	11	21	17
1968-69	345	0	5.8	4170	1	25	1140
1969-70	14	0	0.6	455	3	1	21
1970-71	7.2	0	0.4	290	11	29	22
1971-72	3.2	0	0.1	75	12	24	5.0
1972-73	72	0	0.9	640	2	11	175
1973-74	4.3	0.3	0.2	144	1	17	6.3
1974-75	3.8	0	0.2	121	3	6	6.0

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

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

drainage area



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.

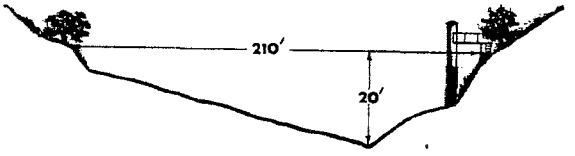
CHANNEL – coarse sand and gravel, lined with trees and brush, natural in section

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

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F130-R

DAILY DISCHARGE IN SECOND-FEET OF MALIBU CREEK below Cold Creek FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	4.2	5.8	5.6	15.3	9.0	9.3	19.4	10.2	7.4	4.6	3.6	3.1
2	4.6	4.6	5.1	13.8	17.7	9.3	18.8	9.3	7.1	4.2	4.0	3.1
3	4.0	5.1	9.6	9.9	192	8.6	19.4	7.7	6.8	4.4	4.2	3.3
4	4.4	4.6	501	7.7	69	8.3	19.4	7.7	6.6	3.8	6.4	3.3
5	4.6	4.8	44	8.0	40	12.4	42	6.1	5.8	4.4	6.4	3.6
6	4.6	4.2	17.3	8.3	32	121	54	5.1	5.4	4.0	6.4	4.2
7	5.1	5.4	11.4	7.4	26	117	49	5.6	4.8	3.3	6.1	4.4
8	5.1	6.1	12.2	7.1	14.3	519	31	5.6	5.8	3.6	4.4	3.8
9	4.4	4.8	8.3	8.0	28	149	47	5.6	6.1	4.0	3.6	3.3
10	5.1	5.4	6.4	8.3	46	131	28	5.6	5.1	3.8	3.1	2.9
11	5.4	5.6	6.8	8.0	26	131	22	6.4	5.4	3.6	3.1	2.7
12	4.6	5.4	7.1	7.4	22	82	20.0	7.1	4.4	3.3	3.3	3.8
13	4.2	5.6	6.6	7.7	18.8	64	18.8	6.8	5.1	3.6	4.2	3.8
14	4.2	5.1	7.1	7.4	18.3	67	16.3	6.6	4.8	4.2	4.6	3.1
15	4.2	5.4	7.4	7.7	17.3	57	12.6	7.1	5.1	4.4	4.2	3.1
16	4.6	5.4	7.7	7.1	15.3	49	13.8	8.3	5.4	4.2	3.8	4.4
17	4.0	5.6	7.1	8.0	10.6	46	13.0	9.9	5.1	4.0	3.8	3.6
18	5.1	4.8	6.6	8.6	9.0	34	16.8	9.9	6.1	3.1	4.2	3.6
19	4.4	5.6	7.4	8.3	9.0	31	15.3	8.3	5.8	2.7	4.2	3.3
20	4.4	5.4	7.4	8.0	9.9	29	15.3	9.0	6.4	2.7	4.0	3.1
21	4.2	5.8	7.1	8.0	10.2	26	13.8	9.0	5.8	3.3	4.0	4.2
22	4.2	5.1	7.4	8.0	10.2	33	11.8	9.9	5.8	2.9	4.4	3.3
23	4.4	4.6	7.1	8.3	10.6	39	12.6	9.3	6.4	2.7	4.4	3.6
24	4.6	4.6	7.1	8.0	9.6	29	11.0	10.2	5.6	3.3	3.6	2.9
25	5.8	5.1	7.7	7.7	7.7	26	11.4	9.6	5.1	2.5	3.6	2.9
26	4.4	5.1	8.0	7.7	8.6	29	12.6	8.3	3.6	2.7	3.1	3.3
27	5.1	5.1	6.6	8.3	9.0	23	11.4	7.1	4.6	3.3	2.5	3.8
28	6.4	6.4	115	8.3	9.3	21	10.6	7.1	4.6	3.3	2.7	4.0
29	5.1	6.1	80	7.7	----	18.3	9.3	7.4	4.8	2.5	3.8	4.4
30	5.8	5.6	24.8	8.0		19.4	11.0	7.7	5.4	2.9	3.8	4.0
31	6.1		17.8	8.3		18.3		7.7		2.3	3.3	
MEAN	4.8	5.3	31.6	8.4	25.2	63.1	20.2	7.8	5.5	3.5	4.1	3.5
ACRE-FEET	292	314	1940	516	1400	3880	1200	478	330	213	252	210

YEAR OR PERIOD MEAN 15.2
ACRE-FEET 11020

2359 FCD 10/73

STATION DATA SUMMARY

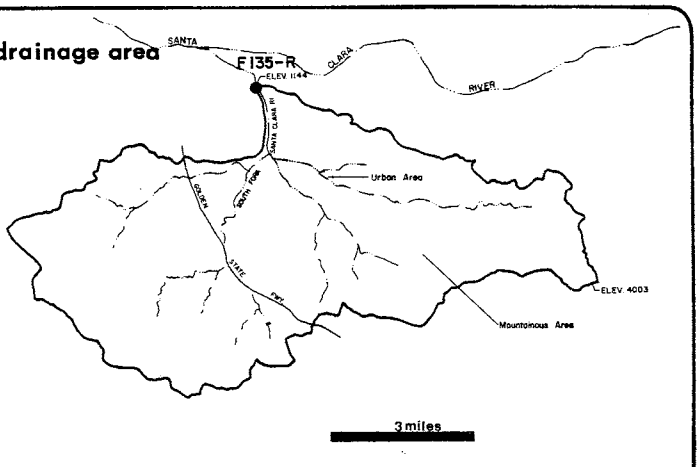
STA. NO. F130-R
MALIBU CREEK BELOW COLD CREEK

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

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

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

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 40.9 square miles

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

REGULATION – none

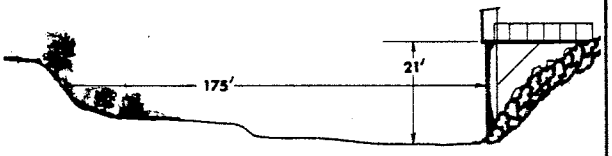
CHANNEL – natural, sand, and gravel

CONTROL – grouted rubble control under railroad bridge

LENGTH OF RECORD – September 9, 1947 to date

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

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F135-R

DAILY DISCHARGE IN SECOND-FEET OF SANTA CLARA RIVER-SOUTH FORK at Magic Mountain Parkway FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	0	0	0	0	0	0	0	0.4
2	0	0	0	0	32	0	0	0	0	0	0	0.2
3	0	0	6.9	0	34	0	0	0	0	0	0	0
4	0	0	139	0	2.3	0	0	0	0	0	0	0.2
5	0	0	0	0	0	58	7.5	0	0	0	0	0.3
6	0	0	0	0	0	52	+	0	0	0	0	0.4
7	5.2	0	6.5	0	0	0.2	0	0	0	0	0	0.3
8	0	0	0.1	0	0	164	0	0	0	0	0	0.2
9	0	0	0	0	4.6	b +	6.2	0	0	0	0	0.3
10	0	0	0	0	1.2	2.3	2.5	0	0	0	0	0
11	0	0	0	0	0	+	0.4	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0.6	0	0	0	0	0	0
14	0	0	0	0	0	b +	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	0.1	0
20	0	0	0	0	0	0	0	0	0	0	0.2	0
21	0	0	0	0	0	0	0	0	0	0	0.2	0
22	0	0	0	0	0	1.6	0	0	0	0	0.1	0
23	0	0	0	0	0	0	0	0	0	0	0.4	0
24	0	0	0	0	0	0	0	0	0	0	0.4	0
25	0	0	0	0	0	0	0	0	0	0	0.3	0
26	0	0	0	0	0	0	0	0	0	0	0.4	0
27	0	0	0	0	0	0	0	0	0	0	0.4	0
28	0	0	33	0	0	0	0	0	0	0	0.4	0
29	0	0	0.5	0		0	0	0	0	0	0.2	0
30	0	0	0	0		0	0	0	0	0	0.2	0
31	0		0	0		0		0		0	0.4	
MEAN	0.17	0	6.0	0	2.65	8.99	0.55	0	0	0	0.12	0.08
ACRE-FEET	10	0	369	0	147	553	33	0	0	0	7.3	4.6

YEAR OR PERIOD MEAN 1.55
ACRE-FEET 1120

2059 FCD 10/73

STATION DATA SUMMARY

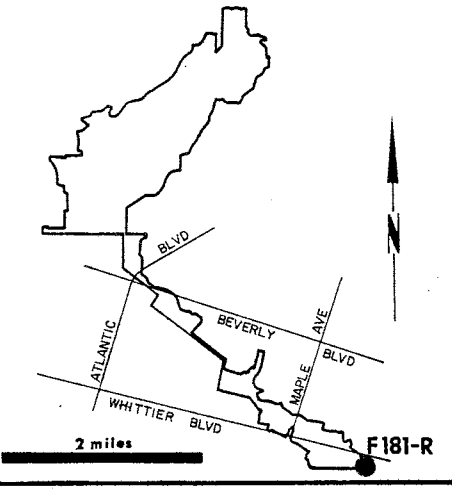
STA. NO. F135-R
SANTA CLARA RIVER - SOUTH FORK AT MAGIC MOUNTAIN PARKWAY

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1947-48	19	0	0.1	84	3	24	82
1948-49	8.6	0	0.1	94	12	26	37
1949-50	12	0	0.1	101	1	8	71
1950-51	0.2	0	+	0.6	4	29	6.3
1951-52	1410	0	16.7	12100	1	15	6800
1952-53	71	0	0.5	390	12	1	1050
1953-54	129	0	1.4	1000	1	19	1100
1954-55	58	0	0.3	200	1	18	460
1955-56	278	0	1.0	753	1	26	573
1956-57	228	0	1.0	756	2	28	2030
1957-58	746	0	10.7	7760	4	3	3640
1958-59	137	0	0.8	605	1	6	2410
1959-60	13	0	0.2	109	1	11	120
1960-61	21	0	0.2	132	11	5	196
1961-62	1040	0	9.4	6790	2	12	3410
1962-63	176	0	1.1	799	3	16	1750
1963-64	93	0	1.2	846	1	22	870
1964-65	146	0	1.6	1160	4	8	960
1965-66	632	0	10.6	7700	11	17	5630
1966-67	594	0	7.2	5250	12	6	1820
1967-68	208	0	1.7	1200	11	19	1650
1968-69	2080	0	24.9	18050	2	25	7570
1969-70	164	0	2.0	1410	3	4	838
1970-71	1460	0	7.3	5300	11	29	6260
1971-72	341	0	2.3	1690	12	27	1490
1972-73	681	0	6.2	4520	2	11	4520
1973-74	626	0	3.0	2140	1	7	1180
1974-75	164	0	1.6	1120	12	4	1290

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

STATION NO. F 181 - R
MONTEBELLO STORM DRAIN
above Rio Hondo

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from footbridge

DRAINAGE AREA – 9.6 square miles

LOCATION – 150.0 feet east of Mines Avenue and 500.0 feet west of Rio Hondo

REGULATION – None

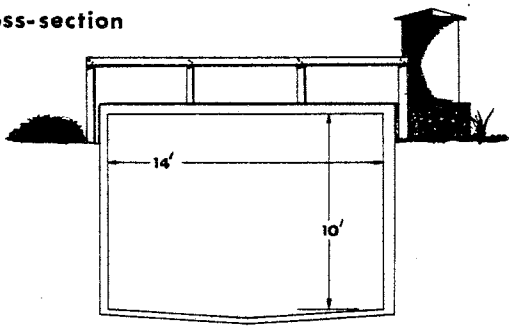
CHANNEL – 14.0-foot by 10.0-foot concrete, box section

CONTROL – channel forms control

LENGTH OF RECORD – January 12, 1932, to date

REMARKS – may be affected by backwater during flood flows

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F181-R

DAILY DISCHARGE IN SECOND-FEET OF MONTEBELLO STORM DRAIN above Rio Hondo FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	0.2	+	0.1	+	+	a +	+	+	+	+	0.1	0.1
2	0.2	+	0.1	+	9.8	a +	+	0.1	+	0.1	0.1	0.1
3	0.2	+	5.1	0.3	48	a +	0.1	+	+	+	0.1	0.2
4	0.2	+	61	+	11.9	a +	+	+	+	0.1	0.1	0.2
5	0.2	+	0.2	+	0.3	19.4	7.1	+	0.1	0.1	0.1	0.3
6	0.1	+	+	+	+	11.5	0.4	0.1	0.1	0.1	0.1	0.3
7	0.4	0.1	+	+	+	2.9	0.1	0.1	+	0.1	0.2	0.1
8	0.1	+	+	+	+	21	8.1	+	+	0.1	0.3	0.1
9	0.1	0.1	+	+	37	0.1	3.8	0.1	+	0.1	0.1	+
10	0.1	+	+	+	a 9	6.1	+	0.1	0.1	0.2	0.2	+
11	0.1	+	+	+	a +	0.4	+	0.1	0.1	0.2	0.1	+
12	+	+	+	+	a +	0.2	0.1	0.1	+	0.2	0.1	0.1
13	0.1	+	+	+	a +	5.7	+	0.2	+	0.1	0.1	0.1
14	0.1	0.1	+	+	a +	1.2	0.1	0.1	+	0.1	0.2	0.1
15	+	0.1	+	0.3	a +	0.1	2.4	0.1	+	0.2	0.2	0.1
16	+	0.1	0.3	0.1	a +	1.1	+	+	+	0.2	0.2	0.2
17	+	0.1	+	+	a +	0.1	+	0.1	0.1	0.2	0.1	0.2
18	0.1	0.1	+	+	a +	0.2	+	+	+	0.2	0.2	0.2
19	+	0.2	+	+	a +	0.1	+	+	+	0.2	0.2	0.2
20	+	0.2	0.4	0.1	a +	+	+	3.5	+	0.2	0.2	0.2
21	+	+	+	0.5	a +	+	+	+	0.1	0.3	0.2	0.1
22	+	0.4	+	+	a +	23	+	+	+	0.2	0.2	0.1
23	+	+	+	+	a +	+	+	+	0.1	0.3	0.2	0.2
24	+	+	+	+	a +	+	+	+	+	0.1	0.1	0.2
25	+	+	+	+	a +	0.3	b 2.0	+	0.1	0.2	0.2	0.3
26	0.1	+	+	+	a +	+	+	+	0.1	0.1	0.2	0.3
27	0.1	+	+	0.2	a +	+	+	+	0.1	0.1	0.1	0.2
28	13.3	0.1	32	0.1	a +	0.1	+	+	0.1	0.1	0.1	0.1
29	0.2	0.1	4.1	0.1		0.1	+	+	+	0.1	0.2	0.1
30	+	0.1	+	0.4		0.1	b +	+	+	0.1	0.1	0.3
31	0.3		0.2	0.3		+		+		0.1	0.1	
MEAN	0.52	0.06	3.34	0.08	4.14	3.02	0.81	0.15	0.04	0.14	0.15	0.15
ACRE-FEET	32	3.6	205	4.8	230	186	48	8.8	2.2	8.7	9.3	9.1

YEAR OR PERIOD MEAN 1.03
ACRE-FEET 748

2059 FCD 10/73

STATION DATA SUMMARY

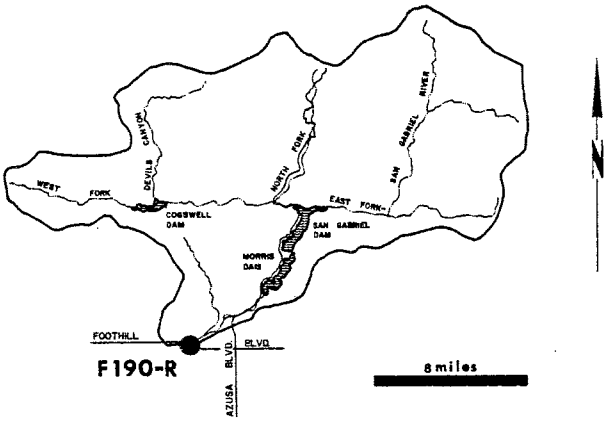
STA. NO. F181-R
MONTEBELLO STORM DRAIN ABOVE RIO HONDO

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1931-32	*	0	*	1120*	1	31	531
1932-33	125	0	0.8	529	1	19	713
1933-34	391	0	2.6	1910	1	1	1360
1934-35	114	0	2.3	1650	1	5	1140
1935-36	55	0	1.2	889	2	14	374
1936-37	NO RECORD						
1937-38	N.D.	N.D.	N.D.	N.D.	3	2	1400 E
1938-39	147	0	1.4	981	9	25	688
1939-40	77	0.1	1.2	885	2	1	729
1940-41	204	0.1	5.6	4090	3	3	936
1941-42	102	0.1	1.3	962	12	10	521
1942-43	300 E	0.1E	3.6	2580			N.D.
1943-44	323 E	0.1	3.3	2390	2	22	1040
1944-45	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	1600F
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

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

STATION NO. F 190 - R
SAN GABRIEL RIVER
at Foothill Boulevard

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 230.0 square miles

LOCATION – downstream side of Foothill Boulevard bridge, 2.0 miles west of Azusa

REGULATION – partially regulated by Cogswell, San Gabriel, and Morris Dams

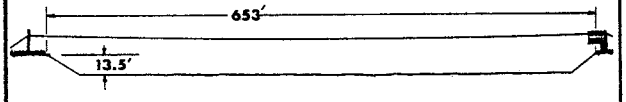
CHANNEL – sand, gravel and rock, tropezoidal section with soft bottom

CONTROL – gunited rock stabilizers

LENGTH OF RECORD – February 22, 1932, to date

REMARKS - flows may include imported water originating at the Metropolitan Water District outlet below Morris Dam.

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F190-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER at Foothill Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	0	+	0	0	0	28	31	163	180	1.2	0	0
2	0	+	8.3	0	0	28	31	163	146	1.2	0	11
3	0	0.1	40	0	5.6	29	29	141	128	0.8	0	40
4	0	0.1	92	0	0.8	33	31	120	124	0.4	0	40
5	0	0.2	47	0	0.8	40	34	137	111	0.2	0	26
6	0	0.1	27	0	0	39	38	163	146	0	12	0
7	0	0.1	+	0	0	4.3	38	158	174	0	36	0
8	0	0.1	0	0	0	23	80	158	180	0	28	0
9	0	0.1	0	0	0.9	5.0	218	158	180	0	0	0
10	0	+	0	0	3.3	8.2	218	152	e 185	0	0	0
11	0	0	0	0	+	4.7	226	152	191	0	20	0
12	0	0.2	0	0	0	18.4	226	152	196	0	42	0
13	0	1.8	0	0	0	34	234	158	158	0	42	0
14	0	0	0	0	0	47	241	158	132	0	42	0
15	0	0	0	0	0	38	256	158	132	0	26	0
16	0	0	0	0	0	36	256	158	147	0	0	13
17	0	0	5.3	0	0	33	248	128	141	0	0	42
18	0	7.7	22	0	12	29	193	115	158	0	0	42
19	0	5.2	+	0	29	26	47	111	122	0	0	26
20	0	0	0	0	10	24	42	115	9.2	0	0	0
21	0	0	0	13	0	26	62	111	6.7	0	0	0
22	0	0	0	23	12	33	88	128	8.0	0	0	12
23	0	0	0	0	26	28	59	168	7.3	0	0	42
24	0	0	0	0	26	26	54	190	6.7	0	0	42
25	0	0	0	0	26	31	54	196	6.0	0	0	40
26	0	0	0	0	28	33	54	190	4.3	0	0	24
27	0	0	0	0	29	34	88	196	2.9	0	0	0
28	2.7	0	0	0	28	29	180	190	2.5	0	0	0
29	0.4	0	0.4	0		28	174	190	1.7	0	0	12
30	0.6	0	0	0		28	163	196	1.4	0	0	40
31	0.3		0	0		29		185		0	0	
MEAN	0.13	0.52	7.81	1.16	8.48	27.5	123	157	99.6	0.12	8.00	15.1
ACRE-FEET	7.9	31	480	71	471	1690	7320	9640	5930	7.5	492	897

YEAR OR PERIOD MEAN 37.3
ACRE-FEET 27040

2059 FCD 10/73

STATION DATA SUMMARY

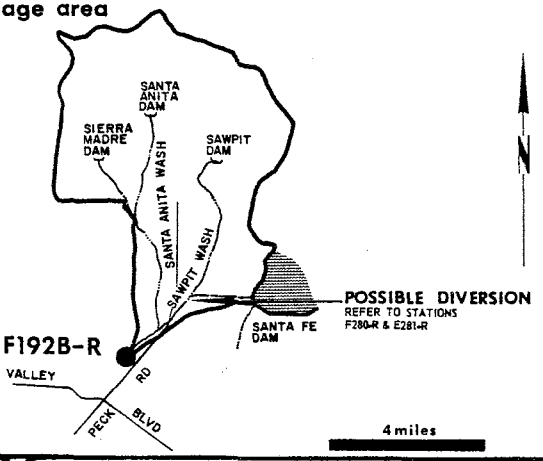
STA. NO. F190-R
SAN GABRIEL RIVER AT FOOTHILL BOULEVARD

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1931-32	N.D.	0	N.D.	76220*			N.D.
1932-33	2530	0	15.7	11400	1	19	10000
1933-34	3150	0	20.3	14690	1	1	5550
1934-35	448	0	81.7	59220	4	8	1080
1935-36	169	0	21.1	15300	2	2	572
1936-37	1610	0	162	117400	2	19	2050
1937-38	22200	0	387.2	280300*	3	2	62000E
1938-39	220	0	15.0	10850	1	5	267
1939-40	388	0	13.7	9980	6	25	400
1940-41	4090	0	304	220100	3	4	5280
1941-42	312	0	5.5	3990	4	20	345
1942-43	10400E	0	318	230200	1	23	11400
1943-44	2750	0	163	118300	2	22	4840
1944-45	844	0	22.9	16620	2	2	1080
1945-46	1190	0	58.1	42060	12	23	1670
1946-47	3000	0	65.6	47520	12	28	3200
1947-48	1010	0	14.3	10370	6	2	1120
1948-49	0	0	0	0			0
1949-50	20	0	0.1	67	12	18	192
1950-51	0	0	0	0			0
1951-52	3860	0	98.1	71210	1	18	4670
1952-53	1030	0	56.9	41180	10	28	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	165600	4	5	2520
1958-59	380	0	18.8	13590	1	6	3390
1959-60	13	0	0.7	499	4	27	90
1960-61	26	0	0.2	147	1	26	48
1961-62	1750	0	103	74270	2	12	2260
1962-63	47	0	0.3	237	2	9	301
1963-64	13	0	0.1	66	1	22	56
1964-65	293	0	11.0	7940	9	6	881
1965-66	8680	0	240	173700	11	23	9420
1966-67	2080	0	249	180000	12	6	9830
1967-68	232	0	33.0	23940	11	25	326
1968-69	22700	0	794	575300	1	26	N.D.
1969-70	378	0	32.9	23810	12	21	411
1970-71	1300	0	44.0	31850	3	1	1400
1971-72	254	0	13.3	9660	12	8	254
1972-73	803	0	129	93260	2	11	1010
1973-74	374	0	56.2	40640	1	7	670
1974-75	256	0	37.3	27040	VARIOUS		256

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

STATION NO. F 192B - R
RIO HONDO
below Lower Azusa Road

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading

DRAINAGE AREA – 40.9 square miles (excludes area above Santa Fe Dam)

LOCATION – 300.0 feet downstream from Lower Azusa Road, 1.5 miles north of El Monte

REGULATION – partially regulated by Sierra Madre Dam, Santa Anita Dam, Sawpit Dam, Santa Fe Dam, Peck Pit, Buena Vista Pit, and several debris basins.

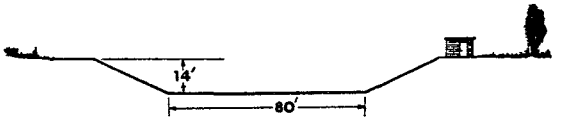
CHANNEL – concrete, trapezoidal in section

CONTROL – channel forms control

LENGTH OF RECORD – at Station F192-R, February 22, 1932, to May 7, 1958 at Station F192B-R, May 7, 1958, to date

REMARKS – subject to diversions from Monrovia, Sawpit, and Little Santa Anita Creeks. Also from the San Gabriel River below Santa Fe Dam; and for irrigation and spreading.

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F192B-R

DAILY DISCHARGE IN SECOND-FEET OF RIO HONDO below Lower Azusa Road FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.1	0.1	+	+	0.1	0.2	0.1	0.2	+	+	0.6	0.6
2	0.2	0.1	+	+	4.0	0.2	0.2	0.2	+	0.3	0.6	0.6
3	0.2	0.1	2.2	0.1	27	0.1	0.2	0.2	+	0.2	0.5	0.6
4	0.2	0.1	54	0.1	4.3	0.2	0.3	0.1	+	0.6	0.5	0.8
5	0.2	0.1	0.1	0.1	0.4	11.4	7.1	0.1	+	0.8	0.7	0.6
6	0.1	+	0.1	0.1	0.2	5.3	1.6	0.1	0.1	0.2	0.6	0.8
7	1.6	+	0.1	0.1	0.2	1.7	0.3	0.1	0.2	0.1	0.4	0.6
8	0.1	+	+	0.1	0.4	13.2	3.7	0.1	0.1	0.3	0.6	0.6
9	0.1	+	+	0.1	11.0	0.3	2.7	+	+	0.1	0.8	0.8
10	+	+	+	0.1	3.5	5.4	0.1	0.1	+	0.2	0.6	0.8
11	0.1	0.1	+	0.1	0.2	0.4	0.2	0.1	0.1	0.1	0.7	0.8
12	+	0.1	+	0.1	0.2	0.2	0.1	0.1	0.1	+	0.4	0.4
13	+	0.1	+	0.1	0.1	4.6	0.2	0.1	0.2	0.1	0.3	0.3
14	+	0.1	+	0.1	0.1	0.7	0.3	0.1	0.3	0.3	0.3	0.4
15	+	0.1	+	0.1	0.1	0.2	2.7	0.1	0.3	0.3	0.4	0.2
16	+	0.1	+	0.1	0.2	0.3	0.2	0.2	0.3	0.6	0.9	0.3
17	+	+	+	0.1	0.1	0.1	0.2	0.1	0.4	0.4	0.4	0.2
18	+	0.1	+	0.1	0.1	0.1	0.1	+	0.2	0.4	0.2	0.9
19	0.1	0.1	+	0.1	0.1	0.1	0.2	+	0.1	0.4	0.3	1.1
20	0.1	+	+	0.1	0.1	0.1	0.2	0.3	0.1	0.4	0.2	0.3
21	0.1	+	+	0.1	0.1	0.1	0.2	+	+	0.3	0.3	0.3
22	+	0.1	0.1	0.1	0.1	7.5	0.1	+	+	0.3	0.4	0.5
23	0.1	+	+	0.1	0.1	0.1	0.1	+	0.1	0.3	0.3	0.4
24	0.2	+	+	0.1	0.1	0.1	0.1	+	0.2	0.2	0.3	0.4
25	0.1	+	+	0.1	0.2	2.0	0.3	+	0.1	0.6	0.2	0.2
26	0.1	+	+	0.1	0.2	0.1	0.1	+	0.3	0.4	0.1	0.2
27	0.1	+	+	0.2	0.2	0.1	0.1	+	0.3	0.3	+	0.2
28	11.6	+	17.2	0.1	0.2	0.1	0.2	+	0.6	0.4	0.1	0.2
29	0.1	+	1.6	+		0.1	0.1	+	0.6	0.4	0.4	0.3
30	0.1	+	0.1	0.2		0.1	0.2	0.1	0.3	0.4	0.3	0.2
31	0.1		0.1	0.1		0.3		+		0.4	0.4	
MEAN	0.51	0.05	2.44	0.10	1.91	1.79	0.74	0.08	0.17	0.32	0.41	0.49
ACRE-FEET	31	2.8	150	6.0	106	110	44	4.8	9.9	19	25	29

YEAR OR PERIOD MEAN 0.74
ACRE-FEET 538

2559 FCD 10/73

STATION DATA SUMMARY

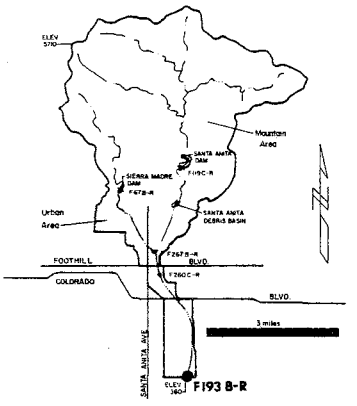
STA. NO. F192B-R
RIO HONDO BELOW LOWER AZUSA ROAD

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1931-32	*	0	*	12710*			N.D.
1932-33	937	0	5.2	3800	1	20	5160
1933-34	2700	0	11.2	8110	1	1	5860
1934-35	324	0	11.3	8160	4	8	604
1935-36	114	0	4.7	3400	2	11	391
1936-37	904	0	38.6	27960	2	20	1030E
1937-38	10500	0	241	174300	3	2	31000E
1938-39	191	0	2.2	1570	1	5	680
1939-40	224	0	5.0	3640	1	7	288
1940-41	2220	0	113	81450	3	4	4000
1941-42	214	0.1	2.7	1980	12	10	254
1942-43	1300E	0	14.7	10680	1	23	3500
1943-44	502	0.3	15.9	11600	2	22	1080
1944-45	112	0.1	1.9	1380	11	11	1060
1945-46	267	0	18.0	13030	12	23	483
1946-47	279	0	11.8	8560	11	27	283
1947-48	570	0	7.2	5250	6	7	584
1948-49	4.9	0	0.1	71	2	27	50
1949-50	24	0	0.3	203	12	18	124
1950-51	24	0	0.3	234	1	11	636
1951-52	753	0	8.7	6340	1	16	2180
1952-53	785	0	9.0	6550	11	15	944
1953-54	654	0	14.9	10800	2	13	1740
1954-55	184	0	2.0	1460	1	18	2340
1955-56	1020	0	4.0	2940	1	26	3030
1956-57	390	0	5.9	4280	2	23	2270
1957-58	735	0	32.6	23610*	2	19	1530
1958-59B	218	0	1.8	1290*	1	6	1530
1959-60	30	0	0.4	303	1	12	185
1960-61	16	0	0.2	131	11	5	132
1961-62	630	0	13.1	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	72550	1	25	10600
1969-70	251	0	5.0	3580	3	4	1160
1970-71	95	0	4.2	3060	11	29	446
1971-72	5.0	0	0.3	210	12	24	266
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

B = RECORD BEGAN AT B LOCATION 12-18-58.

STATION NO. F 193 B-R
SANTA ANITA WASH
at Longden Avenue

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from bridge

DRAINAGE AREA – 18.8 square miles

LOCATION – 30.0 feet above Longden Avenue, 1.5 miles south of Arcadia

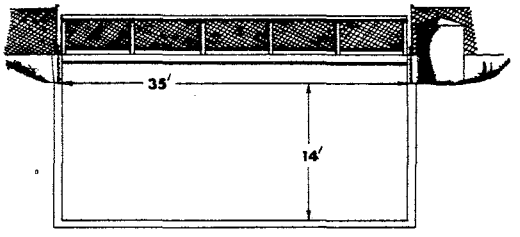
REGULATION – regulated by Santa Anita and Sierra Madre Dams, and Santa Anita Debris Basin

CHANNEL – concrete, rectangular section

CONTROL – channel forms control

LENGTH OF RECORD –
at Station F193-R, April 25, 1932, to March 1, 1938
at Station F193B-R, January 5, 1960, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F193B-R

DAILY DISCHARGE IN SECOND-FEET OF SANTA ANITA WASH at Longden Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	0.1	0.1	0.1	0.1	0.1	+	0.1	0	0.1	1.0	0.7	0.7
2	0.1	0.1	0.1	0.1	2.9	+	+	0	0.2	0.7	0.7	0.7
3	0.1	0.1	4.4	0.1	33	+	+	0	0.1	0.3	0.3	0.7
4	0.3	0.4	95	0.1	4.2	+	+	0	0.2	0.7	0.3	0.7
5	0.2	0.1	0.2	0.1	0.7	13.8	14.2	0	0.3	0.3	0.3	0.7
6	0.2	0.1	0.1	0.1	0.1	23	3.0	0	0.2	0.2	0.3	0.7
7	4.6	0.1	0.1	0.2	0.1	2.8	0.1	0.2	0.2	0.3	0.3	1.0
8	1.0	0.1	0.1	0.2	0.2	21	3.1	0.1	0.7	0.7	0.7	0.7
9	0.3	0.1	0.1	0.1	16.2	+	2.6	0.1	0.2	0.7	0.3	0.7
10	0.3	0.1	0.1	0.1	7.3	9.2	0.1	0.2	0.7	0.3	0.3	0.7
11	0.2	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.7	0.7	0.7
12	0.1	0.1	0.1	0.7	0.1	+	0.1	0.1	0.2	0.3	0.7	0.7
13	0.1	0.1	0.1	0.1	0.1	14.6	0.1	0.2	0.2	0.3	0.7	0.7
14	0.1	0.2	0.2	0.1	0.1	0.3	0.1	0.3	0.2	0.3	0.3	0.7
15	0.1	0.2	0.1	0.1	0.1	+	3.2	0.3	0.2	0.3	0.3	0.7
16	0.3	0.1	0.3	0.1	0.1	0.2	+	0.2	0.2	0.7	0.3	0.7
17	0.3	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.7	0.7	0.3	0.7
18	0.3	0.2	0.1	0.1	0.1	+	+	0.2	0.7	0.3	0.7	0.7
19	0.3	0.2	0.1	0.1	0.1	+	+	0.2	0.2	0.3	0.7	0.7
20	0.3	0.2	0.1	0.1	0.1	+	+	1.4	0.2	0.3	0.3	0.7
21	0.3	0.2	0.1	0.7	0.1	+	0.1	0.2	0.2	0.3	0.7	0.7
22	0.3	0.2	0.1	1.0	0.1	10.2	+	0.1	0.2	0.7	0.7	0.3
23	0.3	0.1	0.1	0.1	0.1	+	+	0.2	0.2	0.7	0.7	0.7
24	0.3	0.1	0.1	0.2	0.2	+	+	0.2	0.2	1.0	0.3	0.7
25	0.3	0.1	0.1	0.2	1.4	0.7	0.3	0.2	0.3	0.7	0.7	0.7
26	0.2	0.1	0.1	0.1	1.7	+	+	0.2	0.3	0.7	0.7	1.0
27	0.2	0.1	0.1	1.5	0.1	+	+	0.2	0.3	0.3	0.3	2.0
28	22.	0.2	24	0.7	0.1	+	+	0.2	0.3	0.7	0.7	2.0
29	0.3	0.1	0.7	2.4		0.1	+	0.2	0.3	0.7	1.0	1.4
30	0.2	0.2	0.1	0.9		0.1	+	0.2	0.3	0.3	1.0	1.4
31	0.1		0.1	0.2		0.1		0.2		0.3	0.7	
MEAN	1.09	0.14	4.10	0.35	2.49	3.12	0.91	0.19	0.28	0.51	0.54	0.84
ACRE-FEET	67	8.3	252	21	138	192	54	11.7	16.9	31	33	50

YEAR OR PERIOD MEAN 1.21
ACRE-FEET 875

2059 FCD 10/73

STATION DATA SUMMARY

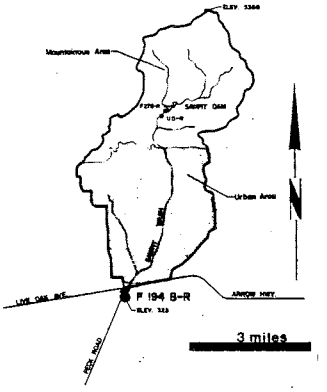
STA. NO. F193B-R
SANTA ANITA WASH AT LONGDEN AVENUE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1959-60B	55	+	0.6	465	4	27	534
1960-61	33	0	0.3	216	11	12	314
1961-62	693	0	8.2	5910	2	11	1780
1962-63	101	0	1.0	709	2	9	621
1963-64	47	0	0.9	650	11	20	581
1964-65	63	0	1.4	985	4	9	518
1965-66	541	+	12.0	8730	12	29	1380
1966-67	613	+	16.0	11570	12	6	1180
1967-68	111	+	1.7	1230	11	19	816
1968-69	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

B = RECORD BEGAN AT B LOCATION 01-05-60.
* = RECORD INCOMPLETE
N.D. = NOT DETERMINED
E = ESTIMATE

STATION NO. F 194 B-R
SAWPIT WASH
below Live Oak Avenue

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from footbridge

DRAINAGE AREA – 16.1 square miles

LOCATION – 1,500 feet below Arrow Highway, 3.0 miles south of Manrovia

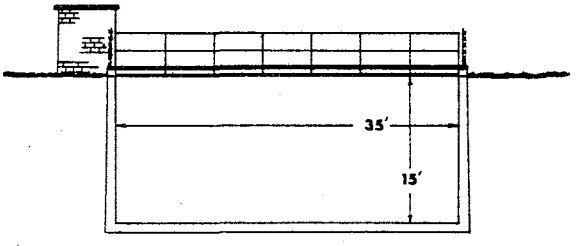
REGULATION – partially regulated by Sawpit and Santa Fe Dams, and by several debris basins

CHANNEL – concrete, rectangular section

CONTROL – channel forms control

LENGTH OF RECORD –
at Station F194-R, February 22, 1932 to September 1, 1935
at Station F194B-R, December 5, 1960, to date

cross-section



STATION DATA SUMMARY

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

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK MON	PEAK DAY	PEAK FLOW CFS
1960-61R	50	+	*	263*	1	25	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

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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F194B-R

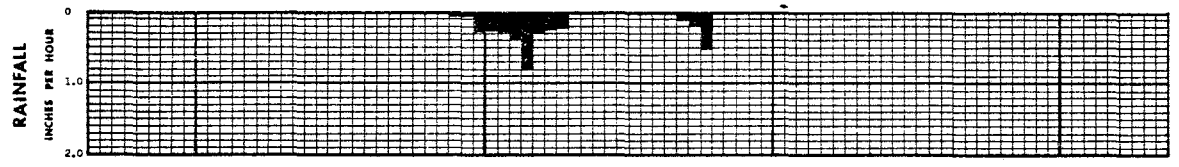
DAILY DISCHARGE IN SECOND-FEET OF SAWPIT WASH below Arrow Highway FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.2	0.3	0.1	+	0.1	0.2	0.4	18.0	0.2	0.2	0.3	0.2
2	0.2	0.1	0.1	0.1	9.8	0.1	1.8	6.0	0.1	0.2	0.3	0.3
3	0.2	0.1	8.2	0.1	68	0.1	1.1	0.4	0.3	0.2	0.3	0.3
4	0.2	0.1	180	0.1	10.4	0.1	0.8	0.3	0.3	0.2	0.3	0.3
5	0.2	0.1	4.5	0.1	1.4	36	25	0.2	0.2	0.3	0.3	0.3
6	0.2	0.1	3.1	0.1	0.8	26	6.9	0.2	0.3	0.2	0.3	0.3
7	7.6	0.1	2.2	0.1	0.3	17.8	0.4	0.2	0.2	0.2	0.3	0.3
8	0.3	0.1	2.2	0.2	0.2	42	11.9	0.3	0.2	0.3	0.3	0.3
9	0.2	0.1	2.9	0.1	31	1.1	6.8	0.3	0.2	0.3	0.3	0.3
10	0.2	0.1	1.5	0.1	16.0	20	0.3	0.2	0.2	0.3	0.2	0.3
11	0.2	0.1	0.6	0.1	0.2	3.6	0.3	0.2	0.2	0.3	0.3	0.3
12	0.2	0.1	0.4	0.1	0.2	1.8	0.3	0.2	0.2	0.3	0.3	0.3
13	0.2	0.1	0.3	0.2	0.2	28	0.2	0.2	0.3	0.3	0.3	0.4
14	0.2	0.2	0.2	0.6	0.2	1.8	0.3	0.2	0.2	0.2	0.3	0.3
15	0.2	0.1	0.1	0.8	0.1	0.8	7.3	0.2	0.2	1.3	0.4	0.3
16	0.2	0.1	0.1	0.6	0.1	1.1	0.4	0.2	0.2	1.1	0.2	0.3
17	0.2	0.1	0.1	0.3	0.1	0.6	1.5	0.2	0.4	0.6	0.2	0.4
18	0.2	0.1	0.1	0.1	0.3	1.1	0.8	0.2	0.4	0.3	0.2	0.3
19	0.2	0.2	0.1	0.1	0.8	1.8	0.8	0.2	0.3	0.3	0.3	0.3
20	0.2	0.2	0.1	0.1	0.8	2.2	0.8	1.1	0.3	0.3	0.3	0.3
21	0.2	0.2	0.1	0.1	0.3	1.5	1.3	1.1	0.3	0.3	0.3	0.3
22	0.3	0.3	0.1	0.2	0.1	23	12.3	1.1	0.2	0.3	0.3	0.3
23	0.3	0.1	0.1	0.1	0.1	0.4	18.0	1.1	0.2	0.3	0.3	0.3
24	0.3	0.1	0.1	0.1	0.2	0.4	18.0	1.1	0.3	0.3	0.2	0.3
25	0.2	0.2	+	0.1	0.1	5.6	22	1.1	0.2	0.3	0.3	0.3
26	0.2	0.1	0.1	0.1	0.1	0.4	18.0	1.1	0.2	0.3	0.3	0.3
27	0.2	0.1	0.1	0.8	0.1	0.4	18.0	1.1	0.2	0.3	0.3	0.3
28	51	0.1	57	0.1	0.2	0.4	18.0	1.1	0.2	0.3	0.4	0.3
29	1.1	0.1	3.3	0.2		0.3	18.0	0.8	0.2	0.3	0.3	0.3
30	0.8	0.1	0.1	1.2		0.3	18.0	0.4	0.2	0.3	0.3	0.4
31	0.6		0.1	0.1		0.3		0.2		0.3	0.3	
MEAN	2.15	0.13	8.65	0.23	5.08	7.07	7.66	1.26	0.24	0.35	0.29	0.31
ACRE FEET	132	7.7	532	14	282	435	456	78	14	21	18	18

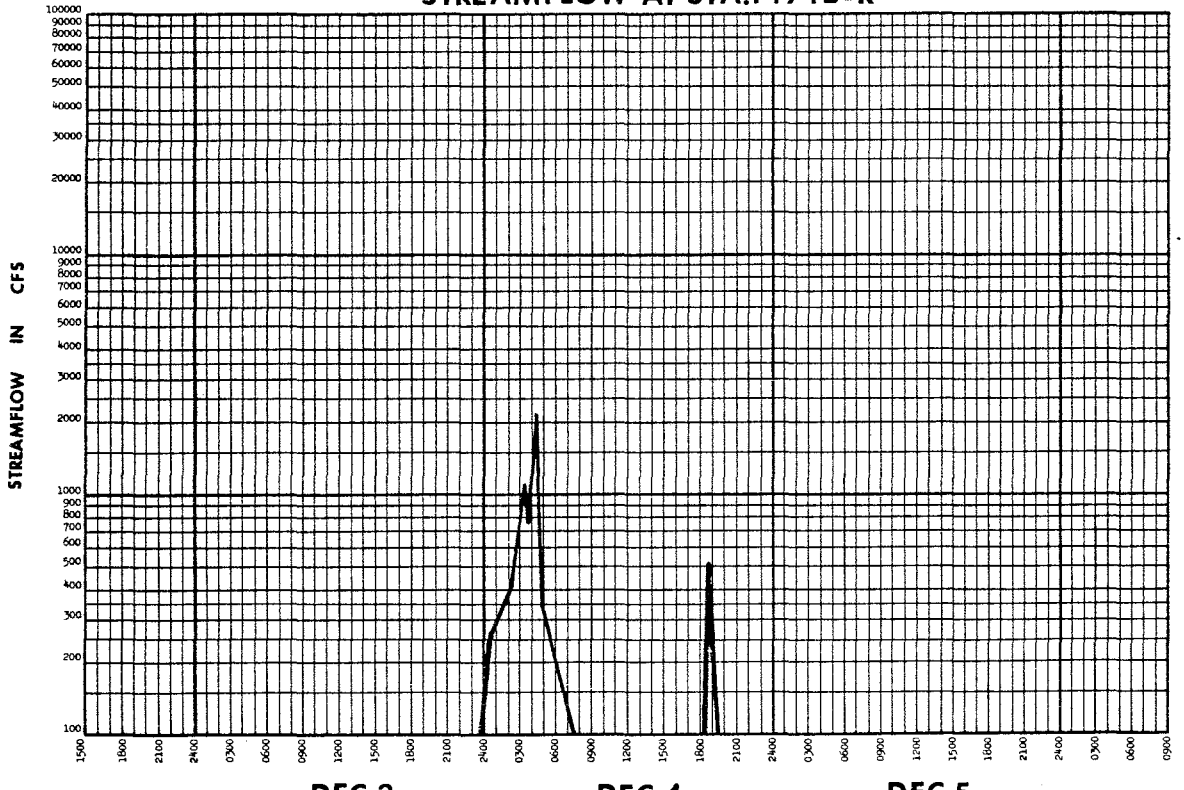
YEAR OR PERIOD MEAN 2.77
ACRE-FEET 2010

2069 FCD 10/73

RAINFALL AT STA.68C

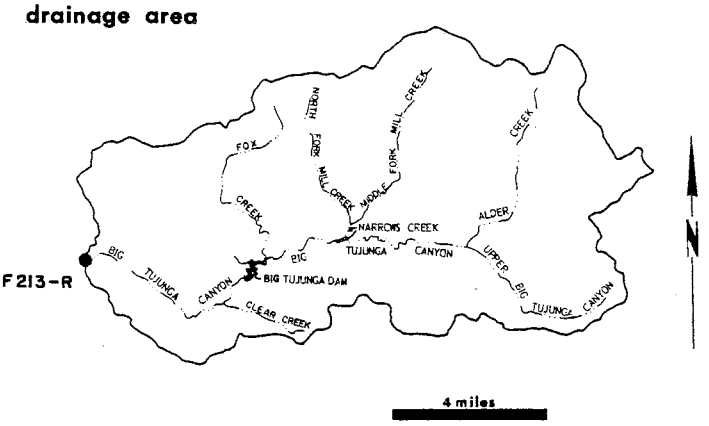


STREAMFLOW AT STA.F194B-R



STATION NO. F 213-R
BIG TUJUNGA CREEK above Gold Canyon

drainage area



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

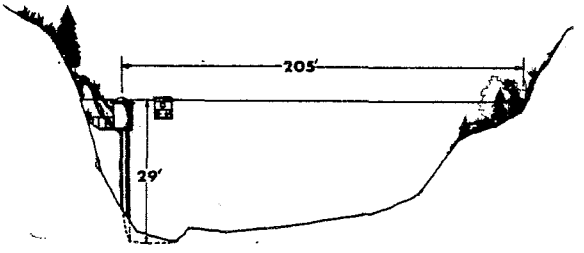
CHANNEL – gravel and boulders, natural section

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

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F213-R

DAILY DISCHARGE IN SECOND-FEET OF BIG TUJUNGA CREEK above Gold Canyon FOR THE WATER YEAR ENDING SEPTEMBER 30, 1975

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	35	1.9	21	2.6	2.6	2.6	93	11.3	8.2	5.1	4.6	6.8
2	58	1.9	14.5	2.6	3.8	2.6	91	11.3	9.0	5.1	4.5	6.1
3	79	1.6	4.9	2.6	19.2	2.7	89	10.5	9.0	5.1	4.4	6.1
4	64	1.3	35	2.6	8.6	2.7	87	9.8	9.0	5.1	3.8	5.2
5	64	1.3	7.5	2.6	6.2	10.5	94	9.8	7.7	5.6	3.8	4.6
6	66	1.3	5.4	2.6	5.4	86	93	9.0	7.2	5.1	3.5	5.1
7	69	1.0	4.5	2.6	4.9	34	49	9.0	7.2	5.1	4.0	4.6
8	70	1.0	3.2	2.6	4.5	66	9.8	9.0	7.2	6.6	4.0	4.6
9	69	1.0	2.9	2.6	7.1	30	38	9.0	6.6	6.6	4.0	4.6
10	66	1.0	2.9	2.6	9.2	26	93	9.0	6.6	5.6	3.5	5.1
11	66	1.0	2.9	2.6	6.2	18.1	93	9.0	6.6	5.6	3.7	5.1
12	64	1.0	2.9	2.6	4.5	16	89	7.7	6.6	5.6	4.0	10.7
13	63	1.0	2.9	2.6	4.1	15.4	87	7.7	7.2	5.6	4.5	21.3
14	61	1.3	2.6	2.6	4.1	22	85	7.7	7.2	5.6	4.6	22.3
15	58	1.3	2.6	2.2	4.1	13.7	85	7.7	7.2	5.6	4.6	22.3
16	57	1.3	2.6	2.6	3.6	12.9	81	8.2	7.7	5.6	4.3	22.3
17	57	1.3	2.6	2.2	3.6	12.1	51	8.2	7.7	5.1	3.5	22.3
18	57	1.3	2.2	2.2	3.6	10.5	16	9.0	7.7	4.6	4.0	24.8
19	56	1.3	2.2	2.2	3.2	10.5	13.7	13.7	7.7	4.6	4.0	23.4
20	56	1.3	2.2	2.2	3.6	10.5	12.9	13.7	7.7	4.6	4.6	23.4
21	55	7.9	2.2	2.6	3.6	9.8	12.1	10.5	7.7	4.6	4.6	24.4
22	55	22	2.2	2.6	3.2	19.3	12.1	9.8	6.6	4.6	4.6	23.4
23	55	23	2.2	2.6	3.2	12.1	11.6	9.8	6.6	4.6	4.3	23.4
24	53	23	2.2	2.6	3.2	11.3	12.1	8.2	6.6	4.6	4.0	21.3
25	53	23	2.6	2.6	3.2	11.3	12.1	7.2	6.6	4.6	4.6	19.2
26	53	23	2.6	2.6	3.2	10.5	11.3	6.6	6.6	4.6	4.6	17.6
27	36	23	2.6	2.6	3.2	10.5	11.3	6.1	6.1	4.6	4.6	16.0
28	9.2	22	8.3	2.6	3.2	9.8	11.3	6.6	6.1	4.6	5.1	17.1
29	3.6	22	4.5	2.6		9.0	10.5	6.1	6.1	4.6	5.6	19.2
30	2.6	21	2.6	2.6		8.2	11.3	8.2	5.1	4.6	5.1	18.1
31	2.2		2.2	2.6		50		8.2		4.6	5.9	
MEAN	52.02	7.84	5.22	2.54	4.93	18.3	48.9	8.95	7.17	5.1	4.35	15.0
ACRE-FEET	3200	467	321	156	274	1120	2910	551	427	314	268	893

YEAR OR PERIOD MEAN 15.1
ACRE-FEET 10900

STATION DATA SUMMARY

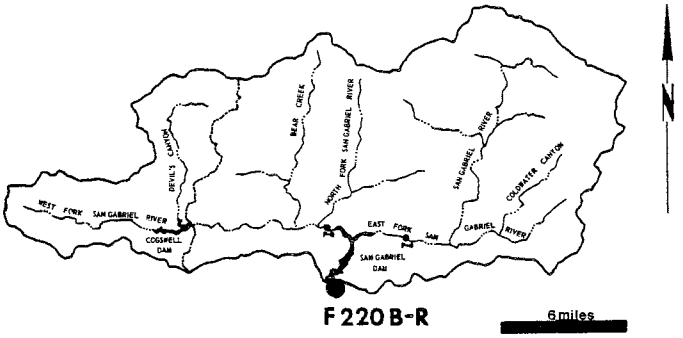
STA. NO. F213-R
BIG TUJUNGA CREEK ABOVE GOLD CANYON

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1932-33	488	1.1	10.5	7590	1	19	1390
1933-34	634	0.9	10.6	7700	1	1	1450
1934-35	354	2.6	20.5	14840	4	8	671
1935-36	150	2.4	10.5	7640	2	2	494
1936-37	423	1.0	50.1	36260	12	27	495
1937-38	13000 E	2.5	116	83960	3	2	50000 E
1938-39	316	3.5	18.8	13640	12	20	380
1939-40	350 E	1.6	15.1	10990			N.D.
1940-41	1260	1.2	109	78840	2	21	1650
1941-42	62	4.4	14.8	10690	12	28	165
1942-43	8000 E	1.2	105	76020	1	23	23000
1943-44	3320	2.3	79.9	57990	2	22	4760
1944-45	320	4.8	24.0	17370	2	2	897
1945-46	698	4.9	23.7	17160	3	30	1300
1946-47	644	4.0	26.2	18960	12	25	745
1947-48	25	0.7	6.4	4640	2	5	53
1948-49	13	0.6	3.4	2460	1	20	20
1949-50	30	1.7	4.1	2960	11	10	73
1950-51	7.1	0.2	2.1	1510	11	13	10
1951-52	1740	1.3	56.9	41320	1	18	2960
1952-53	59	1.8	9.0	6510	11	15	108
1953-54	227	0.6	11.4	8240	1	25	387
1954-55	33	1.1	5.0	3580	1	18	73
1955-56	214	0.3	6.5	4700	1	27	301
1956-57	25	0.2	3.2	2290	1	13	60
1957-58	1190	0.8	53.7	38910	4	3	1670
1958-59	133	1.8	6.3	4570	2	11	245
1959-60	12	0.1	2.7	1950	1	12	22
1960-61	16	0.2	1.3	926	11	5	86
1961-62	1850	0.6	29.8	21540	2	11	4770
1962-63	94	0.6	3.3	2370	2	9	412
1963-64	44	0.2	3.7	2690	1	22	166
1964-65	77	0.1	3.9	2790	4	9	220
1965-66	2850	1.0	63.9	46250	12	30	5220
1966-67	906	10	62.9	45540	12	6	1900
1967-68	275	1.9	21.0	15260	11	21	410
1968-69	9250	0.8	213	148100	2	25	21300
1969-70	208	N.D.	21.9	15830	2	28	560
1970-71	290	N.D.	22.8	16520	11	29	1320
1971-72	121	0.9	6.4	4670	1	4	121 E
1972-73	970	0.3	28.3	20480	2	11	1840
1973-74	235	1.0	13.6	9820	1	7	336
1974-75	94	1.0	15.1	10900	3	6	232

N.D. = NOT DETERMINED
E = ESTIMATE

STATION NO. F 220B-R
SAN GABRIEL-AZUSA CONDUIT
at 10 ft. Weir below San Gab. Dam

drainage area



RECORDER - continuous water stage

METHOD OF MEASUREMENTS - weir formula with gage height observation

DRAINAGE AREA - none

LOCATION - on the concrete conduit which diverts from San Gabriel Dam, 160 feet below the dam

REGULATION - regulated by San Gabriel dam

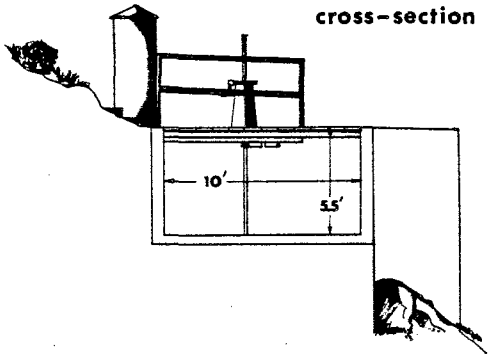
CHANNEL - rectangular in section

CONTROL - 10-foot concrete weir

LENGTH - February 26, 1933, to date

REMARKS - approximate capacity 95 second-feet

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F220B-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL-AZUSA CONDUIT 10' Weir below San Gabriel Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	78	77	25	25	35	35	35	76	70	71	70	69
2	78	77	25	25	35	35	35	76	70	71	71	69
3	77	76	25	25	35	35	35	76	70	70	70	69
4	78	76	25	25	35	35	35	76	70	70	70	69
5	77	76	25	25	36	35	36	73	70	70	70	69
6	76	77	25	25	36	35	36	71	70	70	70	69
7	76	77	25	25	36	35	36	71	70	70	70	69
8	76	77	25	25	36	35	55	71	70	70	70	69
9	76	77	25	25	36	35	75	71	70	70	70	69
10	76	77	25	25	36	35	70	71	70	70	70	69
11	76	77	25	25	36	35	76	71	69	70	70	69
12	76	77	25	25	36	36	75	71	68	70	70	69
13	76	27	25	25	36	36	74	71	68	70	70	70
14	76	0	25	30	36	35	74	71	69	70	70	70
15	76	0	25	35	36	35	73	71	70	70	70	70
16	77	0	25	35	36	35	74	71	70	69	70	70
17	77	0	25	35	35	35	75	71	69	69	69	70
18	77	0	25	35	35	35	76	71	69	69	69	70
19	76	0	26	35	35	35	75	71	69	69	69	70
20	76	0	27	35	35	35	75	71	69	69	69	70
21	76	0	26	35	35	35	75	71	69	69	69	70
22	76	0	25	35	34	35	75	70	69	69	69	70
23	76	0	25	35	34	35	75	70	69	69	69	70
24	76	0	25	35	35	34	75	70	69	69	69	71
25	77	0	25	35	35	34	75	70	69	69	69	71
26	77	0	25	35	35	35	75	70	68	69	69	70
27	77	11.5	25	35	35	35	76	70	68	69	69	70
28	77	26	25	36	35	35	76	70	68	69	69	69
29	77	25	25	36		35	76	70	69	68	69	69
30	77	25	25	35		35	76	70	70	69	69	69
31	77		25	35		35		70		70	69	
MEAN	76.6	34.5	25.1	30.7	35.4	35.0	65.0	71.4	69.3	69.6	69.6	69.6
ACRE-FEET	4710	2050	1550	1890	1960	2150	3870	4390	4120	4280	4280	4140

YEAR OR PERIOD MEAN 54.4
ACRE-FEET 39390

2059 FCD 10/73

STATION DATA SUMMARY

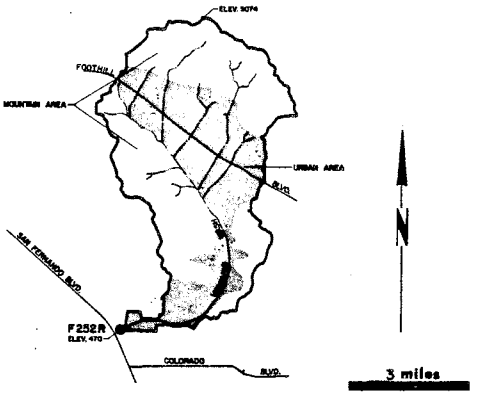
STA. NO. F220B-R
SAN GABRIEL - AZUSA CONDUIT 10-FOOT WEIR BELOW SAN GABRIEL DAM

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	MON	DAY	CFS
1933-34	86	0	27.3	19770			
1934-35	94	6.2	64.3	46570			
1935-36	86	9.1	40.7	29500			
1936-37	93	+	29.0	21030			
1937-38	94	+	16.4	11910			
1938-39	0	0	0	0			
1939-40	90	+	32.7	23760			
1940-41	89	+	23.2	16820			
1941-42	91	+	53.0	38360			
1942-43	94	0.1	36.6	26510			
1943-44	94	+	56.9	41310			
1944-45	96	+	59.2	42910			
1945-46	92	+	55.0	39820			
1946-47	92	0.1	64.7	46900			
1947-48	60	+	34.4	24960			
1948-49	70	0.1	24.0	17380			
1949-50	82	19	37.5	27140			
1950-51	70	0	11.5	8310			
1951-52	91	0	65.2	47300			
1952-53	89	+	43.7	31680			
1953-54	89	+	38.8	28090			
1954-55	85	30	50.6	36600			
1955-56	86	14.8	49.0	35580			
1956-57	86	0	36.8	26670			
1957-58	87	0	27.8	20140			
1958-59	89	12.4	49.4	35730			
1959-60	50	5.3	24.6	17850			
1960-61	45	0	12.2	8820			
1961-62	86	0	57.4	41570			
1962-63	83	0	33.0	23930			
1963-64D	48	8.0	31.0	22490			
1964-65D	81	0.1	35.8	25900			
1965-66D	83	0	35.7	25840			
1966-67B	84	0	41.8	30250			
1967-68	82	+	50.3	36480			
1968-69	54	0	1.1	777			
1969-70	61	0	5.4	3920			
1970-71	75	0	42.4	30710			
1971-72	70	0	25.6	18590			
1972-73	76	0	18.9	13660			
1973-74	82	0	62.1	44950			
1974-75	78	0	54.4	39390			

B = RECORD BEGAN AT B LOCATION 10-23-63
D = RECORD IS AT STA F250-R - 25 FOOT WEIR
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

STATION NO. F252-R
VERDUGO WASH
at Estelle Avenue

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from Concord Street bridge

DRAINAGE AREA – 26.8 square miles

LOCATION – 800.0 feet east of San Fernando Road, 2.0 miles northwest of Glendale

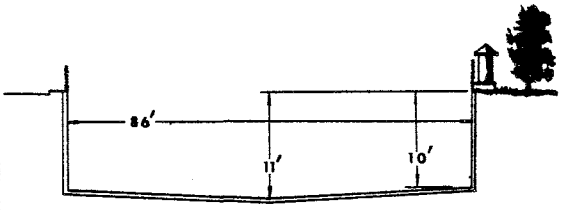
REGULATION – partially regulated by several debris basins

CHANNEL – concrete, rectangular in section

CONTROL – channel forms control

LENGTH OF RECORD – December 2, 1935 to date

cross section



STATION DATA SUMMARY

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

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	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	4400F
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	3680
1966-67	422	0.5	10.4	7530	1	22	3230
1967-68	606	0.2	9.3	6730	3	8	3460
1968-69	1850	1.8	36.1	26120	1	25	5050
1969-70	261	2.0	8.4	6090	2	28	2500
1970-71	931	1.8	10.6	7690	11	29	5330
1971-72	476	1.2	14.8	4570	12	24	1960
1972-73	897	1.0	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

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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F252-R

DAILY DISCHARGE IN SECOND-FEET OF VERDUGO WASH at Estelle Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

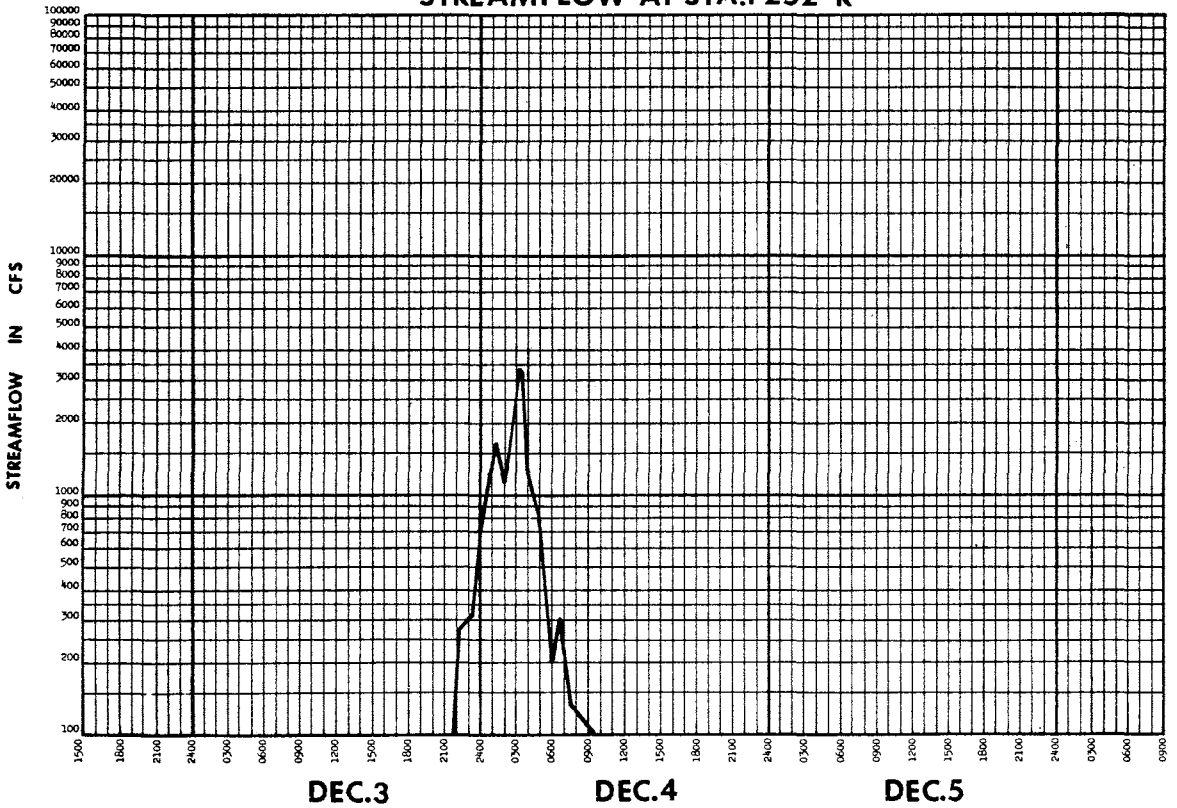
	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	2.3	25	1.5	2.3	2.0	2.0	2.0	1.0	1.8	2.3	1.8	1.2
2	2.5	2.3	1.5	2.8	69	2.0	1.5	1.0	1.8	2.3	2.0	1.2
3	2.8	1.8	36	2.8	195	2.0	1.5	1.2	1.8	2.3	1.8	1.2
4	3.9	1.5	373	2.3	25	2.5	1.5	1.2	1.8	2.3	1.8	1.5
5	2.8	1.5	3.9	2.3	3.7	199	69	1.0	2.0	2.5	2.0	1.2
6	2.8	1.5	2.0	2.5	2.0	297	41	1.0	2.0	2.3	2.0	1.2
7	44	1.2	2.0	2.5	2.0	46	2.8	1.0	2.0	2.3	1.8	1.2
8	2.0	1.2	2.0	2.8	2.5	197	7.9	1.0	2.0	2.5	1.5	1.2
9	2.0	1.5	2.3	2.3	104	6.2	25	1.2	2.0	2.3	1.5	1.2
10	1.5	1.2	2.3	2.3	47	32	14.7	1.2	2.0	2.3	1.5	1.2
11	1.8	1.2	2.3	2.3	2.3	2.3	2.3	1.2	2.0	2.3	1.2	1.2
12	1.5	1.2	2.3	2.0	2.3	1.8	2.0	1.2	2.0	2.3	1.5	1.5
13	1.5	1.2	2.3	2.0	2.8	20	2.0	1.2	2.0	2.3	1.2	1.2
14	1.5	1.2	2.0	2.0	2.5	17.1	2.0	1.2	2.0	2.3	1.2	1.2
15	1.8	1.5	2.0	2.0	2.3	2.8	30	1.2	2.0	2.0	1.2	1.2
16	1.5	1.5	2.0	1.8	2.3	2.5	2.8	1.5	2.3	2.3	1.2	1.2
17	1.8	1.5	2.0	1.5	2.0	2.3	2.8	1.5	2.3	1.5	1.2	1.8
18	1.8	1.5	2.0	1.8	2.0	2.0	2.5	1.5	3.9	1.2	1.2	1.5
19	1.8	1.5	2.0	2.0	2.0	2.3	2.0	1.8	2.0	1.2	1.2	1.8
20	1.5	1.5	2.0	2.0	2.0	2.3	1.8	6.2	2.3	1.2	1.2	1.8
21	1.5	1.8	2.0	2.3	15.7	2.0	2.0	2.5	2.3	1.5	1.2	1.8
22	1.5	1.8	2.0	2.0	3.3	69	1.5	2.5	2.3	1.5	1.2	1.2
23	1.5	1.5	2.0	2.3	2.8	2.0	1.2	2.3	2.3	1.5	1.2	1.2
24	1.5	1.5	2.0	2.0	2.8	2.0	1.0	2.3	2.3	1.8	1.2	1.5
25	1.5	1.2	2.0	2.3	2.3	7.2	1.2	2.3	2.0	1.8	1.2	1.2
26	1.8	1.2	2.0	2.3	2.0	2.3	0.7	2.3	2.0	1.5	1.2	1.2
27	1.5	1.5	2.0	9.9	1.8	2.0	1.0	2.3	2.3	1.8	1.2	1.0
28	38	1.5	122	1.8	1.8	2.0	1.0	2.5	2.3	1.8	1.2	0.7
29	2.0	1.5	9.5	1.5		2.0	1.0	2.3	2.3	1.5	1.2	0.7
30	1.5	1.5	2.8	3.7		2.0	1.0	2.3	2.3	1.5	1.2	0.7
31	1.8		2.3	1.8		2.3		2.0		1.8	1.2	
MEAN	4.43	2.25	19.3	2.46	18.1	30.2	7.62	1.77	2.15	1.94	1.39	1.26
ACRE-FEET	272	134	1190	151	1010	1860	454	109	128	119	86	75

YEAR OR PERIOD MEAN 7.70
ACRE-FEET 5590

2059 FCD 10/73

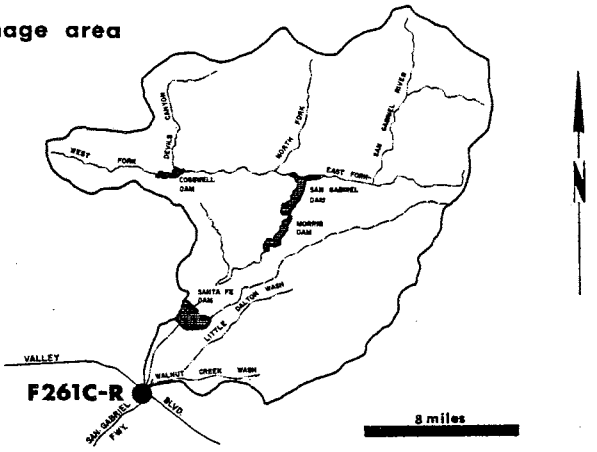
RAINFALL AT STA. 280B

STREAMFLOW AT STA. F252-R



STATION NO. F 261C-R
SAN GABRIEL RIVER
below Valley Boulevard

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading

DRAINAGE AREA – 118.0 square miles (excludes area above Santa Fe Dam)

LOCATION – 1,150.0 feet below Valley Boulevard, 2.5 miles east of El Monte

REGULATION - partly regulated by Santa Fe, Big Dalton, Puddingstone Diversion, and Puddingstone Dams.

CHANNEL – sand and gravel bottom with rip-rap side slopes; trapezoidal section

CONTROL – concrete stabilizer with low-flow notch

LENGTH OF RECORD –
at Station F261-R, March 11, 1937, to September 30, 1941
at Station F261B-R, October 1, 1941, to April 23, 1946
at Station F261C-R, November 29, 1960, to date

REMARKS - flows may include imported water originating at Metropolitan Water District outlets at San Dimas Canyon and below San Bernardino Road.

cross-section

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F261C-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER below Valley Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	+	3.2	0	0	0	0	0	171	168	168	85	78
2	0.3	9.0	0	0	1.5	0	0	171	168	177	85	74
3	0.5	2.1	0	0	457	0	0	168	168	114	83	81
4	45	1.5	812	0	80	0	0	168	177	72	83	83
5	131	1.7	4.0	0	9.7	72	32	168	177	76	83	83
6	134	1.5	+	0	0	235	14	168	177	79	79	81
7	120	1.3	+	0	0	99	2.7	168	177	79	70	81
8	4.8	0.8	0	0	0	283	36	168	177	79	63	74
9	53	1.2	0	0	133	2.9	40	a 165	181	79	73	70
10	134	1.0	0	0	47	60	5.5	a 169	194	81	85	83
11	92	1.0	0	0	+	0.1	18	a 169	191	81	83	81
12	39	0.6	0	0	+	0	81	a 167	188	81	83	81
13	39	0.3	0	0	0	3.2	76	a 170	191	83	85	83
14	39	0	0	0	0	51	78	a 160	191	83	81	81
15	28	0	0	0	0	0	75	a 102	191	81	83	81
16	+	0	0	0	0	+	4.0	a 166	188	83	83	83
17	0	0	0	0	0	0	29	168	188	81	81	83
18	0	0	0	0	0	0	2.1	166	184	83	81	83
19	0	0	0	0	0	0	0	155	184	87	79	85
20	0	0	0	0	0	0	0	154	181	87	81	85
21	0.1	0	0	0	0	0	0	163	181	89	78	85
22	0.3	1.7	0	0	0	91	0	162	171	48	78	81
23	0.2	0.2	0	0	0	0	0	144	168	0	83	79
24	0.6	0	0	0	0	0	0	138	163	0	81	134
25	0.5	0	0	0	0	22	19	136	174	21	23	219
26	0.7	0	0	0	0	0	0	136	136	87	+	223
27	0.8	0	0	17	0	0	61	136	149	87	+	226
28	186	0	111	56	0	0	136	136	160	87	0	226
29	4.2	0	25	0		0	157	135	160	85	11	208
30	2.9	0	+	2.2		0	174	146	160	83	81	46
31	3.6		0	+		0		166		85	81	
MEAN	34.2	0.90	30.7	2.43	26.0	29.6	34.7	157	175	80.8	68.5	105
ACRE-FEET	2100	54	1890	149	1440	1820	2060	9640	10440	4970	4210	6230

YEAR OR PERIOD MEAN 62.2
ACRE-FEET 45000

2058 FCD 10/73

STATION DATA SUMMARY

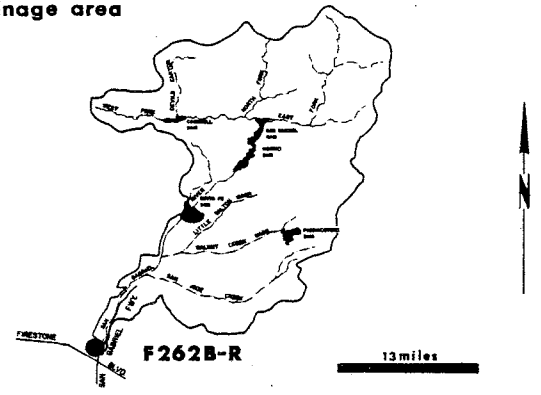
STA. NO. F261C-R
SAN GABRIEL RIVER BELOW VALLEY BOULEVARD

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1938-39	125	0.4	8.0	5790			N.D.
1939-40	125E	0.2	1.8	1320			N.D.
1940-41	1300	0.2	73.9	53500			N.D.
1941-42B	4.0	0	2.2	1560			N.D.
1942-43	8000	0	221	160300	1	23	9350
1943-44	2720	0.6	83.0	60290	2	22	5950
1944-45	650	0.1	10.5	7570			N.D.
1945-46	990	0	11.9	8640	12	23	1470
1946-47	2400	0	30.3	21940			N.D.
1947-48	0	0	0	0			0
1948-49	0	0	0	0			0
1949-50	0	0	0	0			0
1950-51	0	0	0	0			
1951-60	NO RECORD						
1960-61C	306	0	*	34500*	1	26	1200
1961-62	1000	0	193	139500	11	20	7500
1962-63	566	0	78.6	56900	3	16	3500
1963-64	358	0	70.6	51290	1	22	2500F
1964-65	792	0	123	89150	4	9	5890
1965-66	5960	0	164	118600	11	23	11300
1966-67	1440	0	66.3	48000	1	24	7880
1967-68	1060	0	26.3	19060	3	8	6500
1968-69	23900	0	591.	428000	1	25	40000F
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	93880	1	16	5810
1973-74	1520	0	127	92070	1	7	3340
1974-75	812	0	62.2	45000	12	4	8610

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

STATION NO. F 262B-R
SAN GABRIEL RIVER
above Florence Avenue

drainage area



RECORDER - continuous water stage

METHOD OF MEASUREMENTS - wading or from cable car

DRAINAGE AREA - 215.8 square miles (excludes area above Santa Fe Dam)

LOCATION - 1,400 feet above Florence Avenue, 2.0 miles east of Downey

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

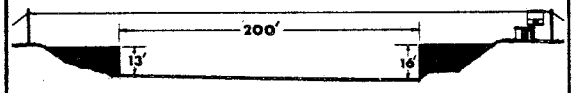
CHANNEL - sand bottom with rip-rap side slopes, trapezoidal section

CONTROL - concrete stabilizer

LENGTH OF RECORD - at Station F267-R, February 27, 1937 to September 30, 1967 at Station F262B-R, August 6, 1968, to date

REMARKS - no record during 1967-1968 season due to channel construction

cross-section



STATION DATA SUMMARY

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

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1934-35	718	0	6.5	4700	10	17	5850
1935-36	414	0	2.4	1750	2	12	3400
1936-37	NO RECORD						
1937-38	NO RECORD						
1938-39	325	0		2540*	9	25	1380
1939-40	271	0	2.6	1900	1	8	1150
1940-41	2390	0	105	75780	3	4	5630
1941-42	117	0	18.7	13570	12	10	413
1942-43	9190	0	257	186400	1	23	14000
1943-44	4860	0	110	79930	2	22	16000
1944-45	806	0	36.1	26110	11	17	4020
1945-46	1500	0	22.8	16480	12	29	4370
1946-47	2880	0	38.2	27650	12	31	3640
1947-48	0	0	0	0			
1948-49	0	0	0	0			
1949-50	0	0	0	0			
1950-51	0	0	0	0			
1951-52	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	12800F
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	1140	0	7.1	5160	3	18	4270
1963-64	707	0	4.8	3440	11	20	4330
1964-65	1210	0	12.4	9010	4	9	4900
1965-66	697	0	7.8	5620	1	30	2080
1966-67	1900	0	32.2	23300	1	23	4320
1967-68B	NO RECORD						
1968-69	8430	0	273	197600	1	25	10900
1969-70	1650	0	16.5	11950	3	4	4510
1970-71	2160	0	15.5	11220	11	29	4410
1971-72	1450	0	10.2	7400	12	24	7510
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

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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

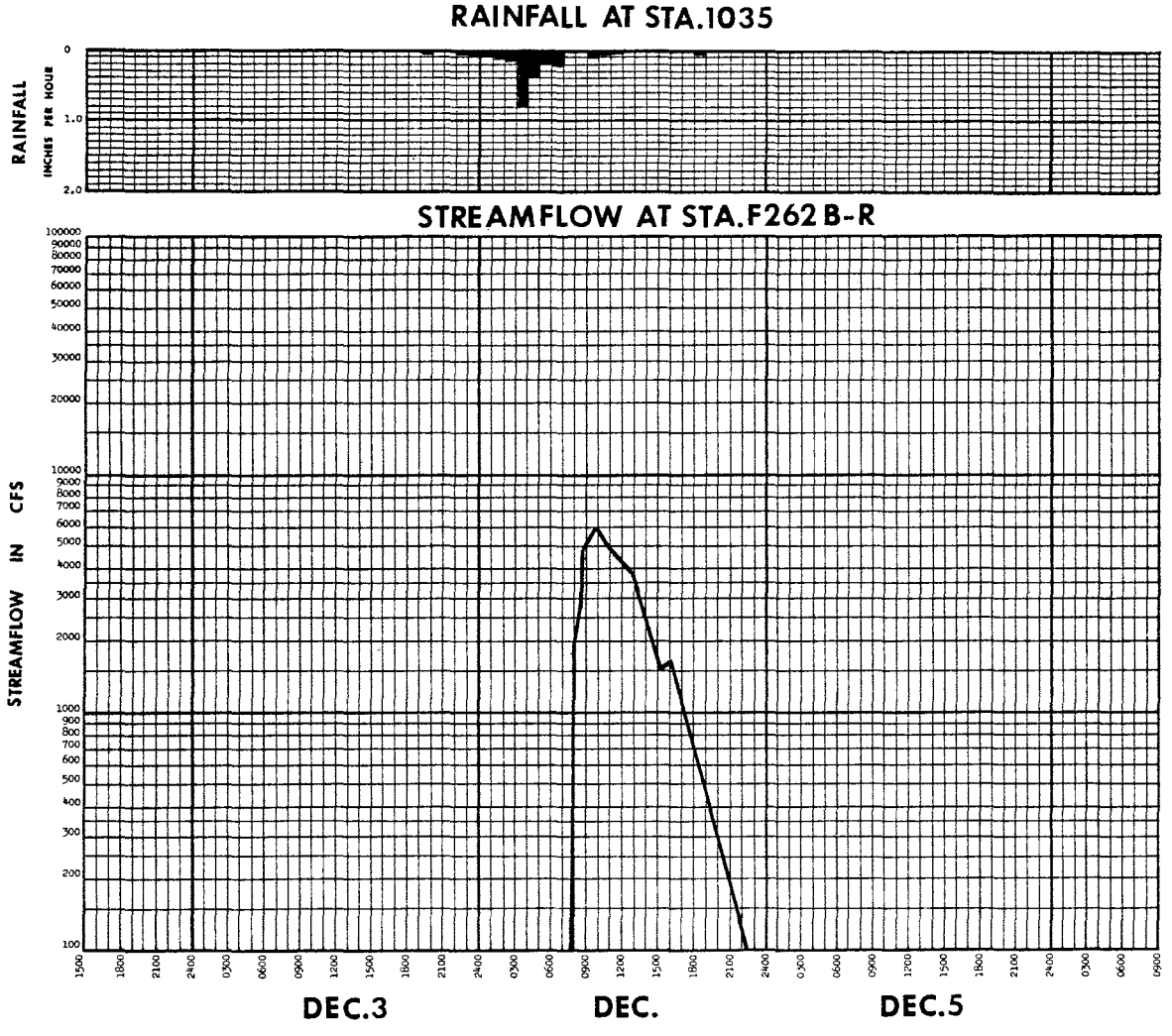
STATION NO F262B-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER above Florence Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	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	413	0	0	0	0	0	0	0
4	0	0	1390	0	5.8	0	0	0	0	0	0	0
5	0	0	+	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	333	0	0	0	0	0	0
7	0	0	0	0	0	21	0	0	0	0	0	0
8	0	0	0	0	0	427	0	0	0	0	0	0
9	0	0	0	0	146	6.2	11.8	0	0	0	0	0
10	0	0	0	0	13	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	55	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	235	0	0	0	0	0	0	0	0	0	0	0
29	+	0	22	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	7.58	0	45.5	0	20.6	27.2	0.39	0	0	0	0	0
ACRE-FEET	466	0	2800	0	1150	1670	23	0	0	0	0	0

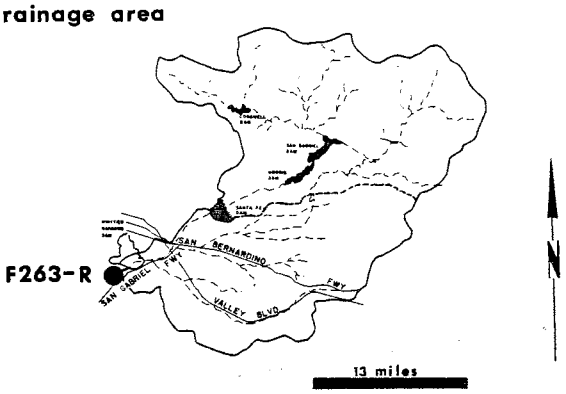
YEAR OR PERIOD MEAN 8.44
ACRE-FEET 6110

2059 FCD 10/73



STATION NO. F 263C-R
SAN GABRIEL RIVER
below San Gabriel River Parkway

drainage area



RECORDER - continuous water stage

METHOD OF MEASUREMENTS - wading or from cable car

DRAINAGE AREA - 206.3 square miles (excludes area above Santa Fe Dam)

LOCATION - 462.0 feet below San Gabriel River Parkway, 1.4 miles northeast of Pico Rivera

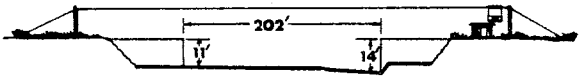
REGULATION - partly regulated by Santa Fe, Big Dalton, Puddingstone Diversion, Puddingstone, and Thompson Creek Dams. Flows may include imported water from several Metropolitan Water District outlets. Water is at times diverted to the Zone I ditch upstream of Whittier Narrows Dam.

CHANNEL - riprap slopes with sand bottom trapezoidal section

CONTROL - concrete stabilizer

LENGTH OF RECORD -
at Station F263-R, February 4, 1937, to March 6, 1952
at Station F263B-R, March 6, 1952, to August 9, 1968
at Station F263C-R, August 9, 1968, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	10.6	4.4	78	d 3.5	d 3.0	b 3.5	b 4.0	116	71	84	67	58
2	d 5.0	3.4	84	d 4.0	d 3.0	b 3.5	b 4.0	102	57	71	71	54
3	d 3.4	23	30	d 4.0	926	b 3.5	b 4.0	92	42	52	73	57
4	d 3.4	50	2050	d 4.0	123	b 5.4	b 4.0	96	43	37	69	62
5	d 3.4	d 2.2	50	d 4.0	7.4	75	13	88	43	27	64	60
6	d 3.4	d 2.2	d 5.0	d 4.0	5.4	546	15	76	42	38	60	64
7	24	19	d 4.8	d 4.0	5.4	105	6.7	64	42	65	50	64
8	21	8.8	d 4.7	f 38	4.1	647	44	62	42	57	39	60
9	10	d 2.0	d 4.6	d 4.0	366	24	140	44	46	57	47	50
10	21	d 1.8	d 4.5	f 12	85	89	20	22	46	57	64	64
11	22	d 1.6	d 4.3	f 72	d 6.0	9.5	6.4	21	49	55	62	50
12	24	d 1.6	d 4.2	d 73	d 5.4	9.5	39	65	52	55	62	67
13	23	d 1.4	d 4.2	d 74	d 4.7	7.8	43	106	44	57	38	67
14	24	d 1.2	d 4.2	f 31	d 4.6	84	37	108	44	71	37	67
15	24	d 1.2	d 4.1	d 4.0	d 4.5	14	f 26	47	44	57	49	67
16	21	d 1.2	d 4.0	d 3.8	d 4.4	11	b 4.0	98	46	42	b 58	64
17	21	d 1.2	11.3	d 3.8	d 4.3	13	b 4.0	110	44	42	b 55	58
18	32	d 1.2	27	d 3.8	d 4.2	12	b 4.0	122	43	42	b 52	58
19	22	d 30	27	d 3.7	d 4.1	11	b 4.0	120	43	47	b 50	60
20	22	d 60	26	d 3.7	d 4.0	b 4.5	b 4.0	122	43	46	b 47	62
21	15	62	26	d 3.6	d 3.9	b 4.0	d 25	49	40	34	34	62
22	31	17	25	d 3.6	d 3.8	149	25	57	38	d 3.0	52	64
23	104	15	27	d 3.5	d 3.7	b 4.0	6.4	94	57	d 2.5	58	64
24	104	62	d 5.0	d 40	d 3.6	b 4.0	40	67	92	d 2.0	58	74
25	112	69	d 4.5	d 15	d 3.5	8.0	d 129	64	92	d 2.0	27	177
26	118	69	d 4.0	d 3.5	d 3.5	b 4.0	82	69	82	33	d 3.0	165
27	120	73	d 4.0	d 3.5	d 3.5	b 4.0	65	80	62	47	d 2.5	86
28	464	73	211	d 5.0	d 3.5	b 4.0	98	67	84	49	d 1.3	86
29	10	74	122	d 4.0		b 4.0	102	50	92	58	d 1.0	120
30	6.0	78	d 3.0	d 4.0		b 4.0	116	64	94	60	31	62
31	4.1		d 3.0	d 5.0		b 4.5		67		60	58	
MEAN	46.1	27.0	92.5	14.4	57.3	60.4	37.2	77.7	55.3	45.5	47.1	72.4
ACRE-FEET	2830	1610	5690	883	3180	3710	2210	4780	3290	2800	2900	4310

YEAR OR PERIOD MEAN 52.7
ACRE-FEET 38190

2089 FCD 10/73

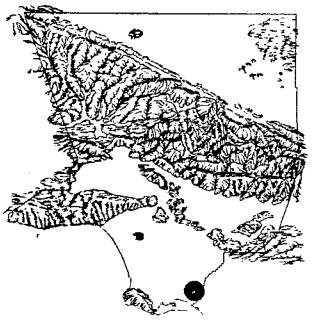
STATION DATA SUMMARY

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

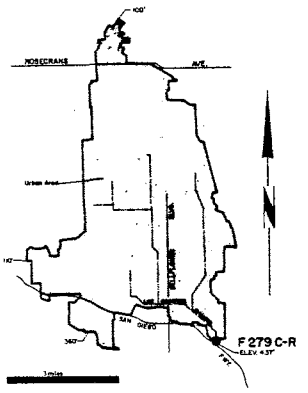
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1928-29	93	0	3.9	2850	3	10	397
1929-30	152	0	4.8	3490	1	11	726
1930-31	106	0	3.4	2490	2	4	404
1931-32	1620	0	18.0	13060	2	9	3830
1932-33	286	0	4.2	3040	1	29	1450
1933-34	5580	0	23.4	16950	1	1	22000
1934-35	746	0	16.8	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	94810	3	2	22700E
1938-39	672	0	34.1	24620	9	25	2110
1939-40	544	0	27.8	20180	2	1	2110
1940-41	2700	0	139	100900	3	4	5830
1941-42	149	0	39.5	28630	12	10	412
1942-43	10500	0	289	209600	1	23	14810
1943-44	5350	0	144	104200	2	22	14100
1944-45	744	0	58.7	42520	11	12	4210
1945-46	1660	0	47.5	34370	12	23	4660
1946-47	2810	0	62.7	45420	12	30	3240
1947-48	48	0	11.8	8590	2	6	84
1948-49	77	0	8.9	6470	1	20	144
1949-50	272	0	5.7	4130	2	6	845
1950-51	16	0	0.8	558	1	30	27
1951-52B	2860	0	70.2	50900	1	16	14000
1952-53	327	0	19.2	13880	12	2	1450
1953-54	901	0	15.2	10990	2	13	5450
1954-55	323	0	12.8	9250	1	18	1590
1955-56	4030	0	33.1	24050	1	26	12400
1956-57	558	0	24.9	18000	3	1	3600
1957-58	2210	0	114	82190	4	7	6890
1958-59	777	0	16.9	33960	1	6	3870
1959-60	449	0	49.7	36100	1	12	2390
1960-61	421	0	65.9	47700	1	26	1330
1961-62	2840	0	142	103100	2	11	8810
1962-63	1080	0	58.6	42430	3	17	4320
1963-64	881	0	63.0	45700	1	22	3380
1964-65	1410	0	107	77270	4	9	5590
1965-66	916	0	76.4	55320	2	6	2670
1966-67	2270	0.3	86.7	62800	1	23	5680
1967-68C	222	3.2	36.2	26240	11	19	330
1968-69	10210	15	379	274300	1	26	11740
1969-70	1880	13	109	79110	3	4	5530
1970-71	2170	2.6	75.4	54590	12	21	4610
1971-72	1900	0	45.1	32740	12	24	6970
1972-73	2540	0	92.6	67020	2	11	5620
1973-74	3640	4.0	83.6	60500	1	4	6170
1974-75	2050	1.0	52.7	38190	12	4	7520

B = RECORD BEGAN AT B LOCATION 03-06-52
C = RECORD BEGAN AT C LOCATION 08-09-68
* = RECORD INCOMPLETE
E = ESTIMATE

STATION NO. F 279C-R
LOS CERRITOS CHANNEL
at Stearns Street



drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from bridge

DRAINAGE AREA – 25.6 square miles

LOCATION – upstream of Stearns Street, Long Beach

REGULATION – none

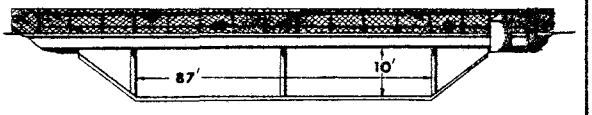
CHANNEL – concrete, trapezoidal in section

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

cross-section



STATION DATA SUMMARY

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

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.

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F279C-R

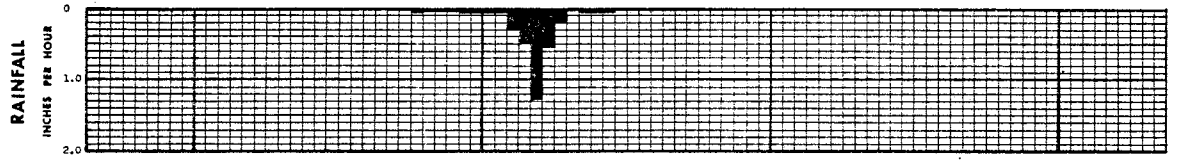
DAILY DISCHARGE IN SECOND-FEET OF LOS CERRITOS CHANNEL at Stearns Street FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.3	0.2	0.2	0.2	0.4	0.2	1.2	0.6	0.2	1.5	1.0	1.2
2	1.5	0.2	0.4	0.4	1.4	0.2	0.4	0.6	0.6	1.5	1.0	1.2
3	1.5	0.2	2.8	0.6	520	0.8	0.2	0.2	1.0	1.5	1.2	1.3
4	1.5	0.2	864	0.8	123	1.0	0.4	1.2	1.0	1.0	1.2	1.3
5	1.5	0.2	4.9	0.8	7.6	91	21	0.2	1.2	0.8	1.2	1.3
6	1.7	0.2	2.1	1.2	1.5	82	58	0.6	1.5	1.0	1.0	1.3
7	1.7	0.2	1.5	0.8	1.2	14.1	1.0	0.4	0.6	1.5	1.3	1.5
8	1.5	0.2	1.2	0.8	0.8	186	61	0.4	0.8	1.3	1.3	1.5
9	1.5	0.2	0.6	0.6	214	3.4	50	0.8	1.0	1.3	1.3	1.3
10	1.5	0.2	0.4	0.8	22	148	1.0	0.8	1.0	1.7	1.2	1.0
11	1.5	0.2	0.2	0.8	2.1	61	0.8	1.0	0.8	1.3	1.3	1.2
12	1.5	0.4	0.2	0.8	2.1	3.0	0.2	1.0	1.2	1.3	1.0	1.0
13	1.7	0.4	0.4	1.5	1.5	4.8	0.2	1.2	1.3	0.8	1.3	1.2
14	1.7	0.6	0.4	1.9	1.0	22	0.2	1.0	1.5	1.0	1.3	1.2
15	1.5	0.4	0.4	1.5	0.8	0.2	14.4	1.2	1.2	1.2	1.3	1.3
16	1.7	0.4	0.4	1.5	0.4	5.3	1.5	1.2	1.5	1.3	1.0	1.3
17	1.7	0.4	0.4	1.3	0.6	0.6	16.6	1.2	1.3	1.9	1.0	1.3
18	1.7	0.4	0.6	1.2	1.3	0.2	0.2	1.0	1.0	1.2	1.3	1.5
19	1.7	0.4	0.8	1.2	0.8	0.4	0.1	1.2	1.2	0.8	1.3	1.3
20	1.7	0.4	0.6	1.2	0.8	0.4	0.1	0.8	1.3	1.0	0.8	1.3
21	1.5	0.4	0.8	1.2	1.2	0.4	0.2	1.0	1.0	1.0	1.2	1.5
22	1.5	2.1	0.8	0.8	0.6	148	0.1	0.6	1.2	1.0	1.2	1.5
23	1.5	0.2	0.6	0.8	1.0	0.8	0.2	0.6	1.3	1.0	1.3	1.3
24	1.5	0.2	0.6	0.8	0.6	0.8	0.2	0.6	0.8	1.0	1.2	1.7
25	1.5	0.4	0.8	0.8	0.6	1.0	1.5	0.4	0.8	1.0	1.0	1.9
26	1.5	0.2	0.8	1.0	0.4	0.6	0.2	0.4	1.2	1.3	1.2	1.5
27	1.5	0.2	1.2	3.2	0.6	0.6	0.2	0.8	1.2	1.2	1.2	1.2
28	68	0.2	292	0.6	0.4	0.6	0.2	1.0	1.3	1.0	1.3	1.2
29	14.9	0.2	30	0.6		0.2	0.2	0.8	1.2	1.2	1.2	1.0
30	0.6	0.2	1.0	8.1		0.6	0.6	0.8	1.5	1.0	1.2	0.8
31	0.2		7.0	1.3		1.2		1.0		1.3	1.2	
MEAN	4.00	0.30	39.3	1.26	32.4	25.1	7.74	0.76	1.09	1.19	1.18	1.30
ACRE-FEET	250	20	2420	78	1800	1540	460	49	65	73	72	77

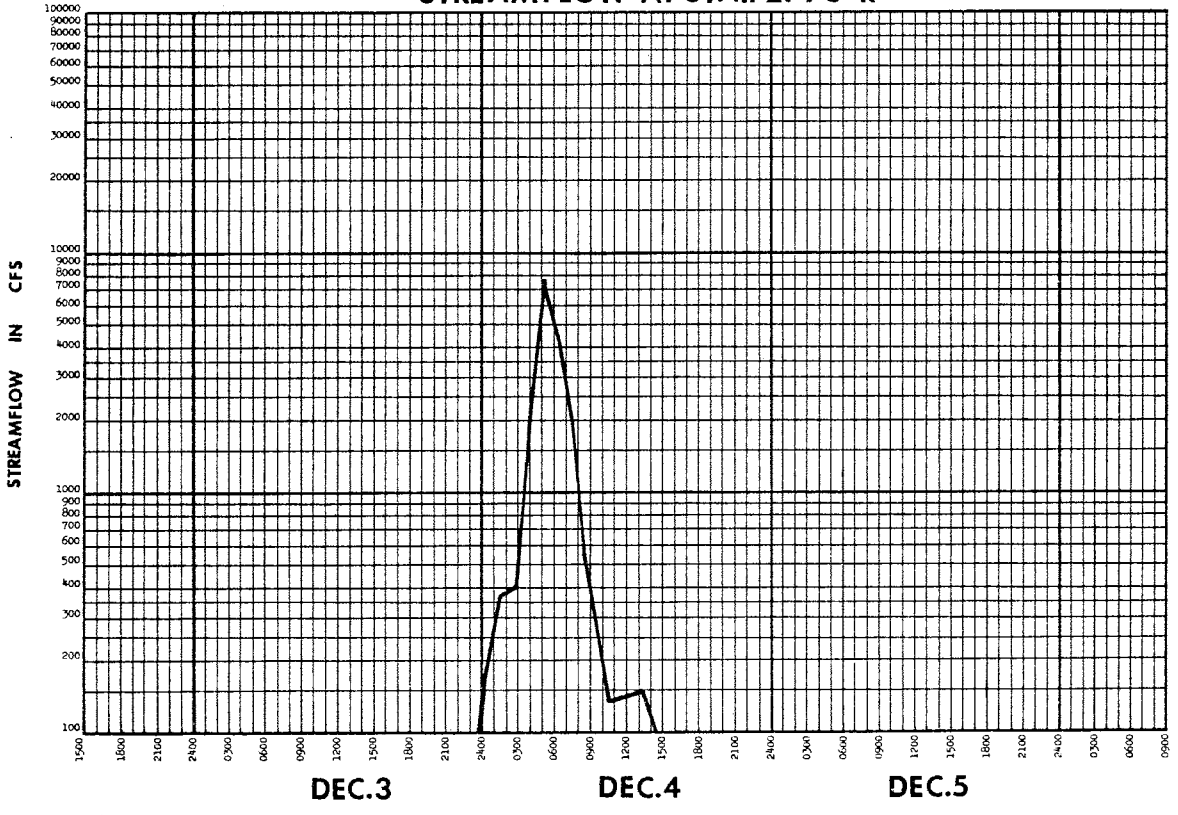
YEAR OR PERIOD MEAN 9.54
ACRE-FEET 6910

2059 FCD 10/73

RAINFALL AT STA.566

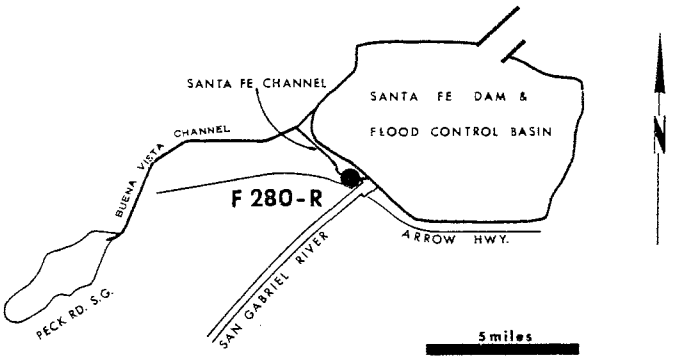


STREAMFLOW AT STA.F279C-R



STATION NO. F 280-R
SANTA FE CHANNEL
below Santa Fe Dam

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from footbridge

DRAINAGE AREA – controlled

LOCATION – 400.0 feet downstream of Santa Fe Dam outlet and 1.5 miles north of Baldwin Park

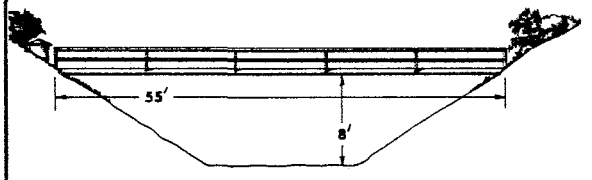
REGULATION – flow regulated by five gates of stilling basin outlet of Santa Fe Dam

CHANNEL – sand and gravel, natural section

CONTROL – concrete stabilizer

LENGTH OF RECORD –
at Station F280-S, October 1, 1942, to May 12, 1944
at Station F280-R, May 12, 1944, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F280-R

DAILY DISCHARGE IN SECOND-FEET OF SANTA FE DIVERSION CHANNEL below Santa Fe Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	0	0	0	24	0	0	0	0
2	0	0	0	0	0	0	0	7.7	0	0	0	0
3	0	0	0	0	0	0	0	0.6	0	0	0	0
4	0	0	0	0	0	0	0	0.3	0	0	0	0
5	0	0	0	0	0	0	0	0.4	0	0	0	0
6	0	0	0	0	0	0	0	0.3	0	0	0	0
7	0	0	0	0	0	0	0	0.2	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	0.7	0	0	0	0	0
19	0	0	0	0	0	0	1.3	0	0	0	0	0
20	0	0	0	0	0	0	1.3	0	0	0	0	0
21	0	0	0	0	0	0	1.3	0	0	0	0	0
22	0	0	0	0	0	0	14.8	0	0	0	0	0
23	0	0	0	0	0	0	22	0	0	0	0	0
24	0	0	0	0	0	0	22	0	0	0	0	0
25	0	0	0	0	0	0	22	0	0	0	0	0
26	0	0	0	0	0	0	22	0	0	0	0	0
27	0	0	0	0	0	0	22	0	0	0	0	0
28	0	0	0	0	0	0	24	0	0	0	0	0
29	0	0	0	0		0	24	0	0	0	0	0
30	0	0	0	0		0	24	0	0	0	0	0
31	0		0	0		0		0		0	0	
MEAN	0	0	0	0	0	0	6.71	1.08	0	0	0	0
ACRE-FEET	0	0	0	0	0	0	399	66	0	0	0	0

YEAR OR PERIOD MEAN 0.64
ACRE-FEET 466

2059 FCD 10/73

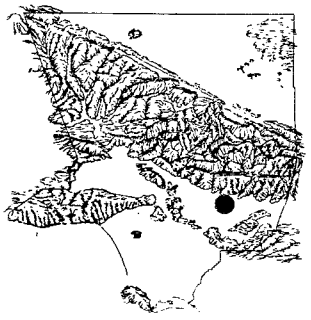
STATION DATA SUMMARY

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

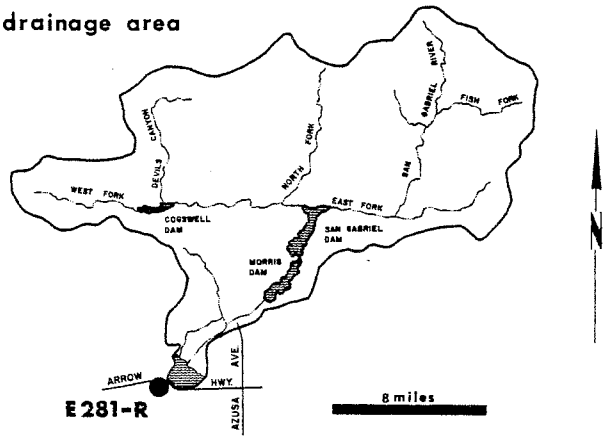
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1943-44	253	0	20.9	15180	5	18	253
1944-45	0	0	0	0			
1945-46	479	0	31.2	22610	9	13	484
1946-47	446	0	16.8	12200	11	27	484
1947-48	786	0	10.9	7880	6	4	800
1948-49	0	0	0	0			
1949-50	0	0	0	0			
1950-51	0	0	0	0			
1951-52	381	0	3.2	2280	3	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			
1955-56	0	0	0	0			
1956-57	452	0	4.7	3400	4	16	455
1957-58	621	0	27.0	19530	4	4	635
1958-59	0	0	0	0			
1959-60	0	0	0	0			
1960-61	0	0	0	0			
1961-62	547	0	12.7	9190	2	12	819
1962-63	0	0	0	0			
1963-64	0	0	0	0			
1964-65	+	0	+	+	9	8	1.0
1965-66	348	0	10.4	7540	1	7	425
1966-67	227	0	21.3	15470	12	18	236
1967-68	0.8	0	+	33	11	20	0.8
1968-69	268	0	33.6	24340	4	15	290
1969-70	55	0	1.9	1360	3	3	202
1970-71	90	0	3.4	2430	12	24	92
1971-72	95	0	1.0	697	1	19	116
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

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

STATION NO. E 281 - R
SAN GABRIEL RIVER
below Santa Fe Dam



drainage area



RECORDER - continuous water stage

METHOD OF MEASUREMENTS - wading or from cable car

DRAINAGE AREA - 236.0 square miles (revised)

LOCATION - 1.7 miles north of Baldwin Park

REGULATION - regulated by Santa Fe Dam

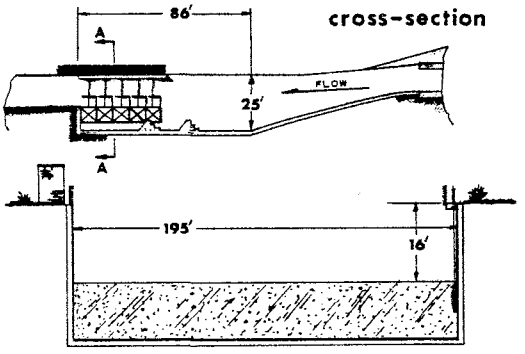
CHANNEL - Stilling basin, located in the outlet channel immediately below Santa Fe Dam

CONTROL - 195.0-foot-wide concrete overflow section to the San Gabriel River and five gated openings to the Rio Hondo diversion channel

LENGTH OF RECORD - February 9, 1943, to date

REMARKS - Station operated by USGS. Outflow from Santa Fe Dam may be diverted through Santa Fe Diversion Channel. Refer to Station 280.

cross-section



Section A-A

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO E281-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER below Santa Fe Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	0	0	0	55	0	0	0	0
2	0	0	0	0	0	0	0	5.7	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	54	0	0	0	0	0
23	0	0	0	0	0	0	15	0	0	0	0	0
24	0	0	0	0	0	0	15	0	0	0	0	0
25	0	0	0	0	0	0	15	0	0	0	0	0
26	0	0	0	0	0	0	15	0	0	0	0	0
27	0	0	0	0	0	0	15	0	0	0	0	0
28	0	0	0	0	0	0	55	0	0	0	0	0
29	0	0	0	0	-	0	74	0	0	0	0	0
30	0	0	0	0		0	68	0	0	0	0	0
31	0		0	0		0		0		0	0	

MEAN	0	0	0	0	0	0	10.9	1.96	0	0	0	0
ACRE-FEET	0	0	0	0	0	0	647	120	0	0	0	0

YEAR OR PERIOD MEAN 1.06

ACRE-FEET 767

3759 FCD 12/73

STATION DATA SUMMARY
SAN GABRIEL RIVER BELOW SANTA FE DAM

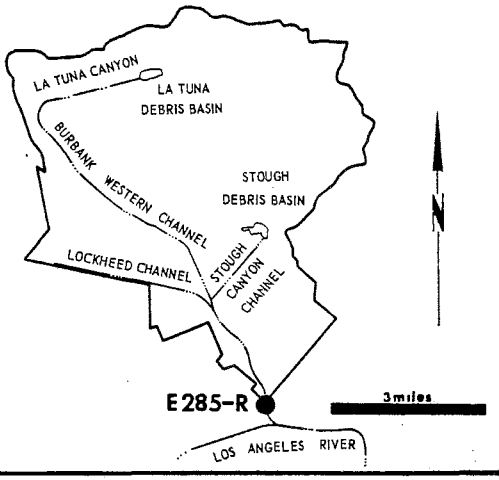
STA. NO. E281-R

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1942-43	6700	0	242	175100	1	23	8000
1943-44	2550	0	133	96890	2	22	3480
1944-45	783	0	14.0	10140	2	2	960
1945-46	1140	0	45.0	32560	12	23	1600
1946-47	2550	0	53.3	38600	12	31	2580
1947-48	809	0	11.2	8120	6	4	822
1948-49	0	0	0	0			
1949-50	0	0	0	0			
1950-51	0	0	0	0			
1951-52	838	0	45.2	32800	1	17	861
1952-53	488	0	23.5	16990	10	30	598
1953-54	0	0	0	0			
1954-55	0	0	0	0			
1955-56	0	0	0	0			
1956-57	0	0	0	0			
1957-58	944	0	126	91530	4	5	1210
1958-59	342	0	12.4	9000	2	24	606
1959-60	3.3	0	0.2	15	2	2	6.9
1960-61	0	0	0	0			
1961-62	437	0	46.2	33450	2	13	728
1962-63	0	0	0	0			
1963-64	24	0.1	1.0	754			
1964-65	0	0	0	0			
1965-66	6000	0	133	96200	11	23	11000
1966-67	597	0	62.1	44930	3	23	614
1967-68	2.8	0	+	5.5	11	29	30
1968-69	26000	0	540	391200	1	26	30900
1969-70	263	0	13.3	9600	3	4	458
1970-71	116	0	6.5	7170	12	17	116
1971-72	12	0	0.2	182	12	12	25
1972-73	310	0	32.2	23330	3	22	340
1973-74	85	0	1.4	1010	4	15	146
1974-75	74	0	1.1	767	4	22	427

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

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

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading and from bridge

DRAINAGE AREA – 25.0 square miles

LOCATION – 20.0 feet upstream from Riverside Drive bridge, Glendale

REGULATION – Several debris basins on tributaries

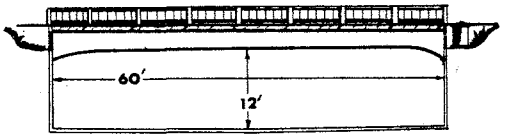
CHANNEL – concrete, rectangular section

CONTROL – channel forms control

LENGTH OF RECORD – October 1, 1949 to date

REMARKS – operated in cooperation with the USCE

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO E285-R

DAILY DISCHARGE IN SECOND-FEET OF BURBANK-WESTERN STORM DRAIN at Riverside Drive FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	8.6	5.6	6.7	6.7	6.7	5.6	7.9	7.9	9.1	10.0	10.0	10.6
2	8.8	5.6	5.6	7.9	77	5.0	7.9	7.9	5.6	10.0	10.0	9.1
3	8.0	5.0	65	7.9	151	5.6	7.9	7.9	5.6	10.0	10.0	11.9
4	7.5	5.0	318	7.9	13.0	b 6.0	7.9	7.9	5.0	10.0	10.0	10.6
5	7.0	5.0	5.6	7.9	5.6	62	78	9.1	5.0	10.0	10.0	10.6
6	7.0	5.6	6.7	7.9	5.6	272	25	9.1	6.7	10.0	7.9	10.6
7	37	5.6	6.7	6.7	5.6	b 40	12.8	7.9	9.1	10.0	10.6	10.6
8	6.7	5.6	5.0	7.9	9.3	156	10.9	7.9	9.1	10.0	10.6	10.6
9	5.6	5.6	5.6	5.6	39	b 8.0	b 12.0	7.9	9.1	10.0	9.1	10.6
10	5.0	5.6	5.0	7.9	27	b 25	b 6.0	9.1	9.1	10.0	9.1	11.9
11	5.6	7.9	5.0	5.6	7.9	7.9	b 6.0	9.1	9.1	10.0	10.6	10.6
12	5.0	9.1	5.0	7.9	7.9	6.7	b 6.0	9.1	9.1	10.0	10.6	11.9
13	5.0	7.9	5.0	7.9	6.7	47	b 6.0	10.6	9.1	10.0	10.6	11.9
14	5.0	6.7	5.0	7.9	6.7	10.6	b 6.0	9.1	9.1	10.0	10.6	10.6
15	5.0	6.7	5.0	7.9	6.7	5.6	b 25	11.9	9.1	10.0	9.1	11.9
16	5.0	7.9	7.9	7.9	6.7	6.7	b 6.0	14.6	9.1	10.0	7.9	17.1
17	5.6	6.7	10.6	7.9	6.7	5.6	b 6.0	14.6	9.1	10.0	9.1	11.9
18	5.6	6.7	10.6	7.9	6.7	5.6	b 6.0	13.1	10.6	10.0	11.9	11.9
19	6.7	6.7	10.6	6.7	7.9	6.7	b 7.0	14.6	10.6	10.0	13.1	13.1
20	6.7	9.1	10.6	7.9	7.9	5.6	b 7.0	19.7	10.6	10.0	13.1	14.6
21	5.6	9.1	10.6	6.7	7.9	7.9	b 7.0	11.9	11.9	10.0	11.9	11.9
22	5.6	5.6	11.9	7.9	7.9	50	b 7.0	11.9	10.6	10.0	10.6	11.9
23	5.6	5.6	11.9	7.9	7.9	6.7	b 7.0	10.6	10.6	10.0	10.6	13.1
24	5.6	5.6	11.9	7.9	6.7	6.7	b 7.5	10.6	11.9	10.0	10.6	10.6
25	5.0	5.6	11.9	7.9	5.6	7.9	b 7.5	9.1	13.1	10.0	11.9	9.1
26	5.0	6.7	11.9	7.9	5.6	6.7	b 7.5	9.1	13.1	10.0	10.6	10.6
27	5.0	5.6	11.9	9.1	5.6	6.7	b 7.5	9.1	11.9	10.0	10.6	10.6
28	22	5.6	134	9.1	5.6	6.7	b 7.8	10.6	11.9	10.0	10.6	10.6
29	5.0	5.6	7.9	9.1		7.9	7.9	9.1	11.9	10.0	10.6	10.6
30	5.0	5.6	7.9	7.9		6.7	7.9	9.1	11.9	10.0	10.6	10.6
31	5.6		6.7	7.9		6.7		9.1		10.0	10.6	
MEAN	7.46	6.34	24.0	7.71	16.6	26.0	11.1	10.3	9.59	10.0	10.4	11.4
ACRE-FEET	459	377	1480	474	921	1610	658	633	571	615	641	680

YEAR OR PERIOD MEAN 12.6
ACRE-FEET 9120

2059 FCD 10/73

STATION DATA SUMMARY

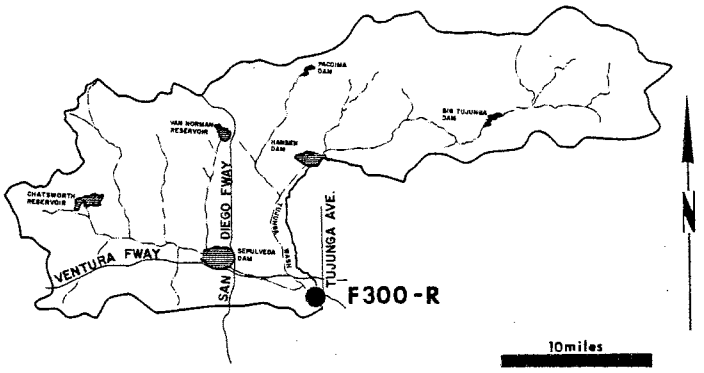
STA. NO. E285-R
BURBANK WESTERN STORM DRAIN AT RIVERSIDE DRIVE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1950-51	50	1.2	4.0	2870	1	11	920
1951-52	310	1.2	8.9	6490	1	16	1400
1952-53	89	0	4.7	3400	12	20	1380
1953-54	144	2.1	5.7	4140	3	16	1070
1954-55	123	1.2	5.6	4020	1	18	849
1955-56	400	2.0	5.6	4070	1	26	N.D.
1956-57	192	1.6	4.9	3530	2	23	1770
1957-58	232	1.9	8.2	5950	2	19	1270
1958-59	222	1.6	4.9	3540	2	11	1650
1959-60	112	1.7	4.5	3280	1	10	854
1960-61	170	1.7	4.9	3570	11	5	1400
1961-62	583	1.7	10.2	7380	2	12	2310
1962-63	444	0.6	6.4	4640	2	9	1800
1963-64	141	1.7	5.4	3940	3	22	1220
1964-65	220	1.7	6.9	5010	4	1	2570
1965-66	897	1.1	11.4	8290	12	29	2980
1966-67	730	3.4	15.4	11170	11	7	3500
1967-68	499	4.5	12.7	9250	3	8	2640
1968-69	982	5.0	24.4	17640	1	25	2830
1969-70	198	3.4	9.8	7080	3	4	1500
1970-71	771	2.2	12.7	9200	11	29	4600
1971-72	291	3.9	10.3	7490	10	24	1650
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	5.0	12.6	9120	12	4	2370

N.D. = NOT DETERMINED

STATION NO. F 300 - R
LOS ANGELES RIVER
at Tujunga Avenue

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 401.0 square miles

LOCATION – 200.0 feet above Tujunga Avenue bridge Studio City

REGULATION – flow regulated by Sepulveda, Big Tujunga, Hansen, and Pacoima Dams, Lopez Debris Dam, and Project No. 85 Diversion

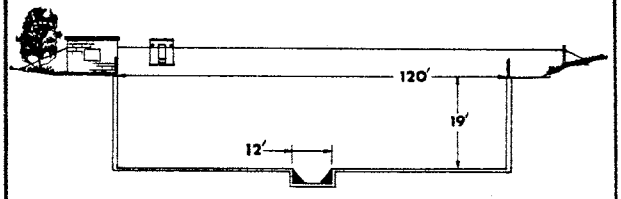
CHANNEL – concrete, rectangular section, 120 feet wide by 19 feet deep

CONTROL – channel forms control

LENGTH OF RECORD – May 8, 1950, to date

REMARKS – subject to diversions at mouth of Big Tujunga and Pacoima Canyons for irrigation; at Big Tujunga, Branford, Hansen, and Pacoima Spreading Grounds

cross-section



STATION DATA SUMMARY

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

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1950-51	181	2.6	12.3	8910	1	29	598
1951-52	5360	3.1	101	73040	1	15	13200
1952-53	851	6.5	27.1	19610	12	1	2900
1953-54	1360	4.6	27.2	19690	2	13	5190
1954-55	842	5.7	30.4	22000	1	10	4560
1955-56	3890	5.7	35.1	25490	1	16	6800
1956-57	1300	4.5	27.2	19700	1	13	6060
1957-58	3530	3.8	100	72710	4	3	10800
1958-59	2080	4.8	29.2	21180	1	6	12800
1959-60	1040	4.0	28	20650	1	12	6900
1960-61	1010	3.2	18.3	13260	11	5	6600
1961-62	6170	2.6	97.7	70690	2	12	21000
1962-63	2200	4.0	34.1	24690	2	9	8700
1963-64	1440	3.6	35.4	25730	1	22	7910
1964-65	2020	5.0	50.4	36490	4	9	7840
1965-66	8990	8.2	126	91340	12	29	20500
1966-67	5860	5.2	83.3	60320	11	7	21000
1967-68	5720	5.5	66.8	48500	3	8	18300
1968-69	19100	4.8	355	256800	1	25	30800
1969-70	2450	6.4	55.4	40080	3	4	11600
1970-71	9170	7.0	95.4	69090	11	29	25900
1971-72	2800	7.8	38.0	27520	12	27	11000
1972-73	6470	5.5	101	73100	1	18	17900
1973-74	7650	5.0	73.0	52830	1	7	16100
1974-75	3570	5.0	57.1	41310	12	4	16740

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F300-R

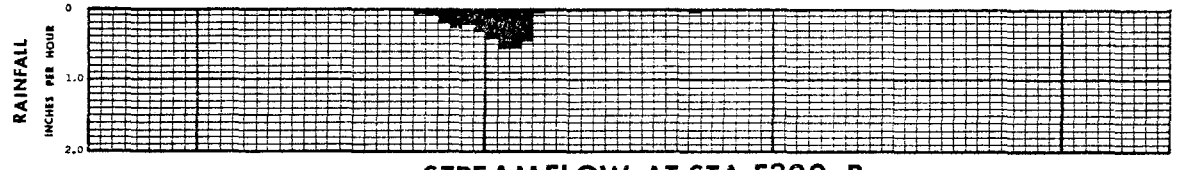
DAILY DISCHARGE IN SECOND-FEET OF LOS ANGELES RIVER at Tujunga Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	10.4	6.6	6.8	b 8.8	5.0	b 8.5	11.6	11.6	10.9	12.2	10.2	10.9
2	9.3	6.1	7.4	b 9.3	579	b 9.0	15.7	12.0	10.4	12.0	10.2	11.1
3	8.9	6.3	262	10.0	1290	b 8.5	11.1	13.4	11.6	11.3	10.4	9.7
4	8.0	6.6	3570	10.6	362	b 8.0	11.3	11.6	11.3	10.2	10.4	10.7
5	8.0	6.3	43	8.9	18.5	937	807	10.0	13.2	10.0	12.0	10.7
6	8.7	6.4	13.2	9.7	8.0	2090	181	10.4	11.8	9.7	11.8	10.7
7	193	6.6	17.4	10.2	6.8	265	108	11.1	12.0	9.5	11.6	10.7
8	38	7.4	10.2	10.0	6.4	1840	107	11.3	14.9	9.5	11.6	13.5
9	9.1	6.6	7.2	8.0	731	b 92	477	11.6	14.2	9.5	11.1	10.7
10	7.4	7.2	7.4	7.6	141	506	24	12.2	15.7	9.5	11.6	11.1
11	7.2	8.0	7.8	8.2	17.4	84	119	13.4	15.2	10.0	9.7	9.1
12	7.2	8.0	9.1	7.4	15.8	21	33	12.2	13.9	12.0	8.9	9.3
13	8.7	7.2	8.7	6.8	13.2	68	14.4	12.7	15.2	12.0	10.7	8.5
14	8.7	7.8	6.1	9.3	16.8	84	12.7	13.2	13.4	14.2	9.3	7.8
15	8.4	7.2	5.9	9.7	10.6	13.9	118	14.6	13.4	12.8	9.5	8.0
16	11.6	10.0	7.2	8.9	10.9	37	15.5	11.6	11.8	11.3	10.2	38
17	10.4	8.2	7.6	10.2	9.3	12.7	13.9	12.0	13.9	10.9	8.7	8.7
18	10.4	7.6	6.8	9.3	9.7	12.2	18.0	12.0	15.2	10.0	11.6	8.2
19	8.2	9.6	6.6	9.3	10.6	12.0	13.9	11.8	13.9	9.9	10.4	9.7
20	7.8	8.8	11.8	8.2	10.9	12.7	13.2	21	12.7	10.2	11.1	9.3
21	7.6	9.3	10.0	8.0	9.7	13.2	16.4	12.0	41	10.2	10.4	9.5
22	8.7	11.6	10.9	7.0	9.1	444	13.7	10.4	10.9	11.3	11.8	8.7
23	7.2	7.2	15.2	5.9	10.2	16.7	12.0	11.6	11.3	12.5	9.1	9.7
24	6.8	6.8	6.3	7.2	10.6	14.7	12.2	11.8	11.3	12.3	10.2	10.2
25	7.2	8.0	6.6	9.1	12.2	16.9	14.2	11.8	11.1	11.6	10.0	10.4
26	7.2	6.8	6.8	8.2	9.7	12.0	10.0	10.6	11.6	10.7	9.5	8.9
27	7.2	6.6	8.9	9.1	8.7	13.4	10.6	12.0	14.2	10.7	9.7	8.7
28	317	7.6	1250	6.1	b 9.0	10.4	12.2	10.6	11.8	10.0	9.1	9.1
29	11.0	8.2	124	6.4		10.0	12.5	11.8	10.6	9.7	10.2	9.5
30	6.4	7.4	15.7	15.5		10.4	12.2	11.1	13.0	9.7	10.4	11.3
31	7.0		8.2	9.0		12.5		11.1		9.7	10.7	
MEAN	25.2	7.60	177	8.77	120	216	75.0	12.1	13.7	10.8	10.4	10.7
ACRE-FEET	1550	452	10880	539	6650	13280	4460	743	816	665	639	640

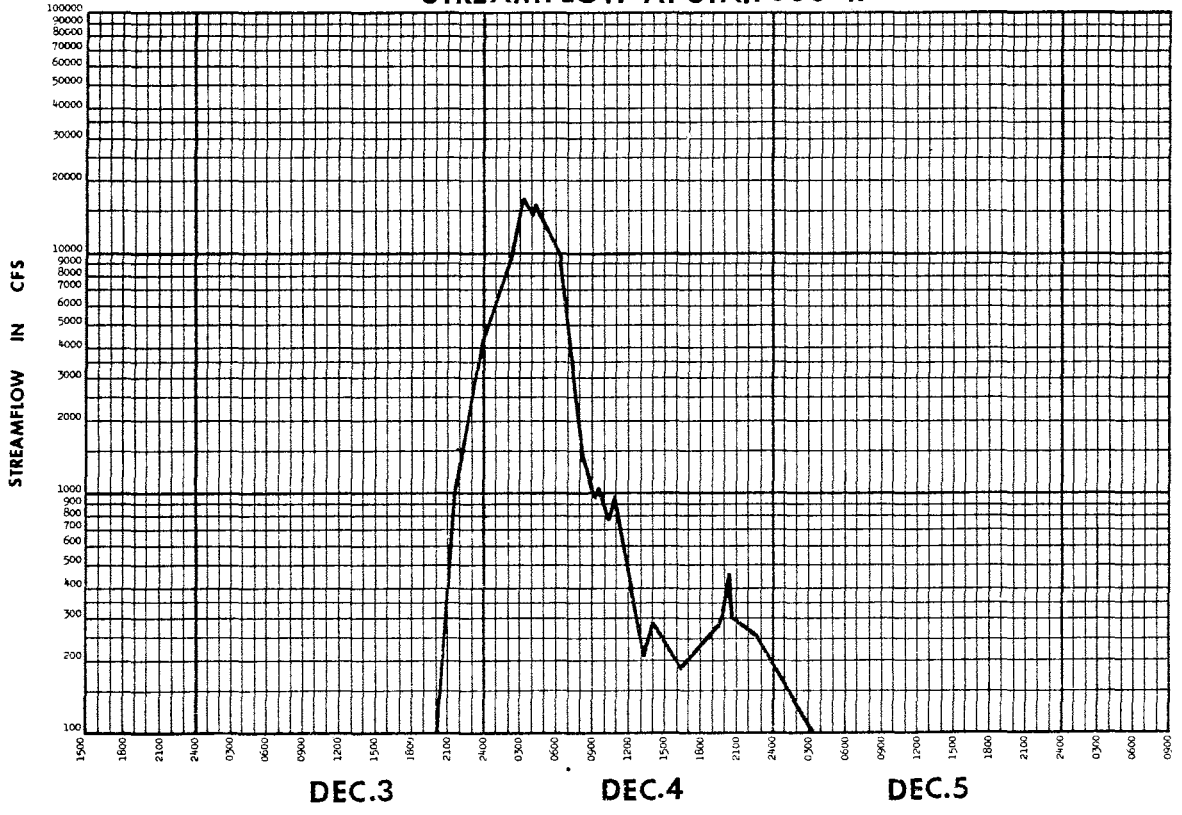
YEAR OR PERIOD MEAN 57.1
ACRE-FEET 41310

2059 FCD 10/73

RAINFALL AT STA.465B

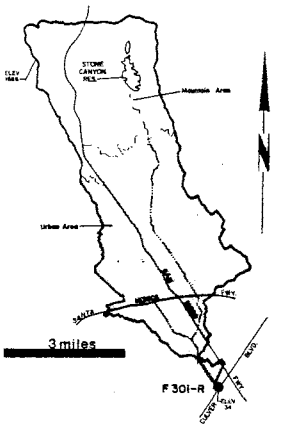


STREAMFLOW AT STA.F300-R



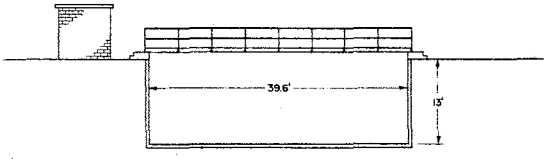
STATION NO. F301-R
SAWTELLE - WESTWOOD CHANNEL
above Culver Boulevard

drainage area



RECORDER - 15 MINUTE PUNCHED TAPE
METHOD OF MEASUREMENT - LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM FOOTBRIDGE AT STATION.
DRAINAGE AREA - 22.9A 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

cross-section



STATION DATA SUMMARY

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	DAY	CFS	
1951-52 A	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	7250	E
1962-63	511	1.0	7.3	5300	3	28	2590	
1963-64	196	1.0	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	2.0	24.7	17870	2	6	6840	
1969-70	227	1.0	7.7	5570	11	6	2300	
1970-71	752	2.0	12.3	8920	11	29	6980	
1971-72	520	1.6	8.2	5940	12	27	5720	
1972-73	659	1.0	16.8	11890	1	6	4970	
1973-74	1010	2.1	16.1	11700	1	7	3390	
1974-75	678	1.0	13.6	9080	12	4	7700	

E = ESTIMATE
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.

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F301R

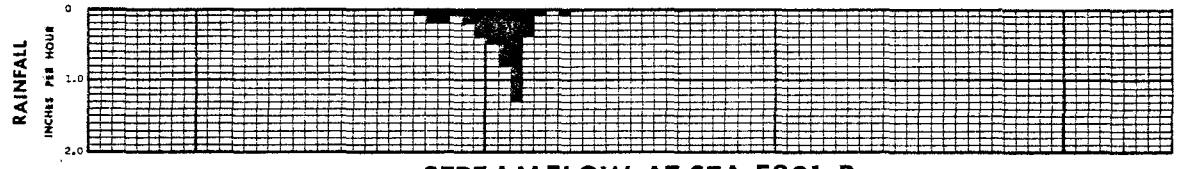
DAILY DISCHARGE IN SECOND-FEET OF SAWTELLE WESTWOOD CHANNEL at Culver Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	27	3.2	4.2	2.6	3.2	3.2	6.4	3.7	2.6	3.1	3.1	3.6
2	25	3.2	4.7	2.6	231	3.2	7.6	4.2	3.1	3.6	3.1	4.7
3	14.6	3.2	203	2.6	282	3.7	8.7	3.2	3.1	3.6	2.6	4.7
4	4.7	3.7	678	2.6	84	4.2	8.7	3.7	3.1	3.1	3.1	4.7
5	4.7	3.7	3.7	2.6	b 3.7	86	163	4.2	3.6	3.1	3.1	5.2
6	4.7	3.7	3.7	2.1	3.7	200	36	4.7	4.2	3.1	3.6	4.7
7	7.6	3.7	3.7	2.1	3.7	4.2	7.6	3.7	4.2	3.6	4.7	4.2
8	b 4.2	3.7	3.7	2.1	14.2	357	42	3.7	3.1	3.6	5.2	4.2
9	4.2	3.2	3.7	2.1	170	4.7	52	3.7	3.1	3.6	6.4	3.6
10	4.2	3.2	3.7	2.6	74	39	4.2	3.7	3.1	3.6	6.4	3.6
11	4.2	3.2	3.7	2.1	3.7	46	4.7	3.7	3.6	3.6	6.4	3.6
12	4.7	3.2	3.7	2.1	b 3.0	4.2	5.2	4.7	3.1	3.6	6.4	3.6
13	3.7	2.6	3.7	2.1	b 2.5	3.7	6.4	4.7	2.6	3.6	5.2	3.6
14	3.7	2.6	3.7	2.1	2.1	50	6.4	4.7	2.6	4.7	4.7	3.1
15	4.2	2.6	3.7	2.6	1.6	3.7	38	4.7	2.6	4.7	4.2	4.7
16	3.7	3.7	3.7	2.6	1.0	7.5	3.7	3.6	2.6	4.2	3.6	3.6
17	3.7	2.6	4.2	3.2	2.1	3.2	4.2	7.5	3.1	3.6	3.1	3.1
18	4.2	3.7	3.7	3.7	3.2	3.2	4.2	6.4	2.1	3.6	3.1	3.1
19	4.2	3.2	3.7	3.7	3.7	3.2	4.2	7.5	1.6	3.1	3.1	3.1
20	3.7	3.7	3.2	5.2	4.2	3.2	4.2	5.2	2.1	3.1	3.1	2.6
21	4.2	3.7	3.2	4.7	4.2	3.7	4.2	4.7	2.1	3.1	3.1	2.6
22	3.2	3.7	2.6	5.2	3.7	101	4.2	3.1	2.1	2.1	3.1	3.1
23	3.2	3.7	2.6	4.2	3.7	3.7	4.7	2.6	3.1	2.1	3.1	3.6
24	3.2	3.7	2.1	4.2	3.2	4.2	4.7	2.6	3.1	2.1	2.6	3.6
25	3.7	3.7	2.1	4.2	2.6	4.2	4.2	4.2	3.1	2.6	3.1	4.7
26	3.7	3.7	1.6	3.7	2.6	4.2	3.7	3.6	3.1	3.1	3.6	4.7
27	3.2	3.7	1.6	4.2	2.1	4.7	3.2	4.2	2.6	3.1	3.6	4.7
28	58	3.7	223	4.2	2.6	4.7	3.7	4.7	3.1	3.1	3.6	3.6
29	b 3.7	4.7	22	4.2		6.4	2.6	3.6	3.1	3.6	3.6	4.2
30	2.6	4.2	7.6	3.7		5.2	2.6	3.6	3.6	3.6	3.6	3.6
31	2.6		3.2	3.7		6.4		3.6		3.1	3.6	
MEAN	7.5	3.5	39.4	3.2	32.9	31.66	15.17	4.25	2.9	3.3	3.9	3.9
ACRE-FEET	461	206	2420	198	1830	1950	903	261	175	205	240	229

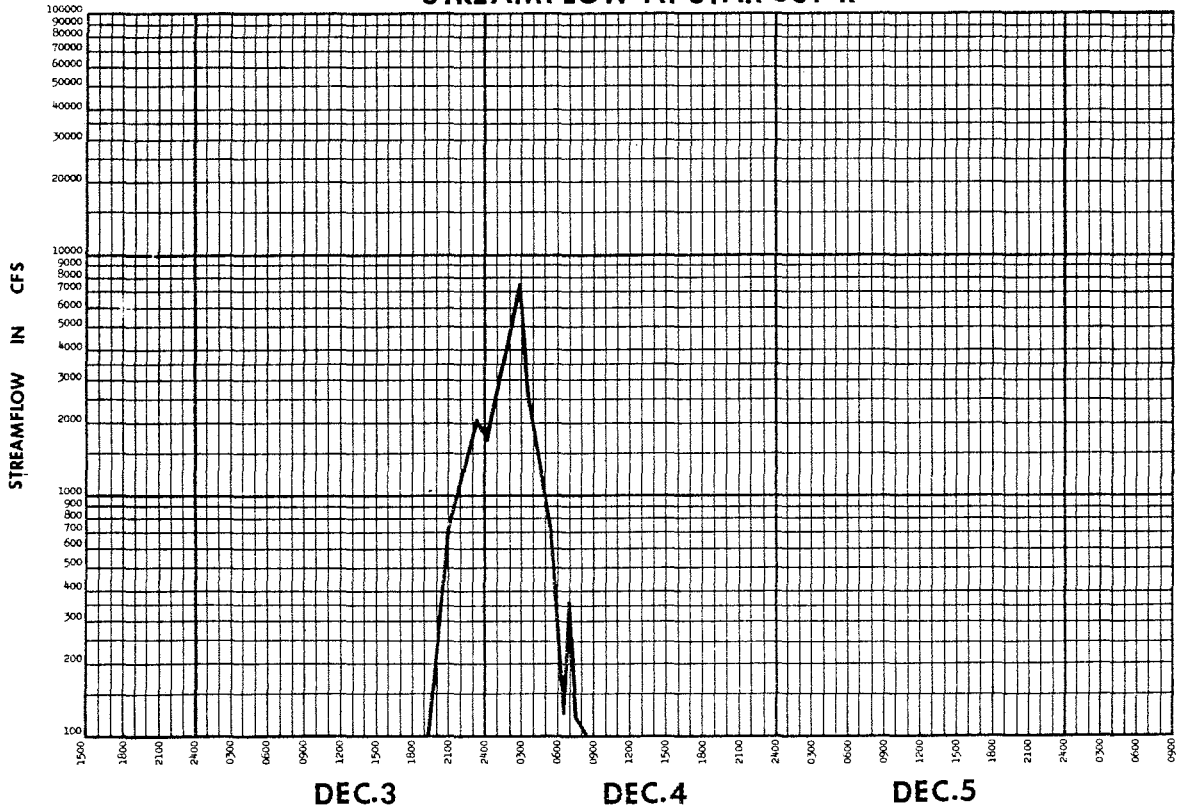
YEAR OR PERIOD MEAN 13.6
ACRE-FEET 9080

2059 FCD 10/73

RAINFALL AT STA.10A

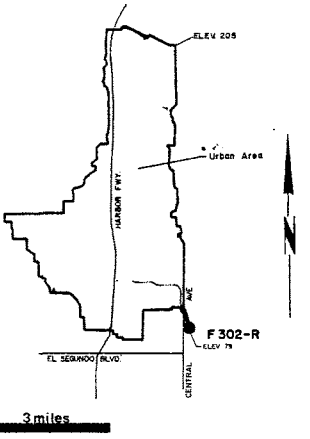


STREAMFLOW AT STA.F301-R



STATION NO. F302-R
COMPTON CREEK
at 120TH Street

drainage area



RECORDER - 15 MINUTE PUNCHED TAPE

METHOD OF MEASUREMENT - LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM UPSTREAM SIDE OF 120 TH STREET BRIDGE.

DRAINAGE AREA - 14.5 SQUARE MILES

LOCATION - ON THE WEST BANK OF COMPTON CREEK 192 FEET UPSTREAM FROM CENTERLINE OF 120 TH STREET, WILLOWBROOK.

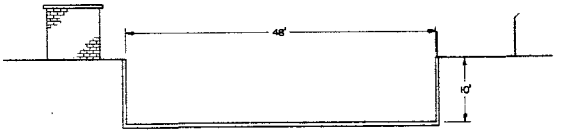
REGULATION - NONE

CHANNEL - CONCRETE, 48 FEET WIDE AND 10 FEET DEEP.

CONTROL - CHANNEL FORMS CONTROL

LENGTH OF RECORD - JANUARY 29, 1951 TO DATE

cross section



STATION DATA SUMMARY

STA NO. F302-R
COMPTON CREEK AT 120TH STREET

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1951-52	453	0.1	8.3	6030	1	18	1730
1952-53	130	0	2.6	1920	11	15	1240
1953-54	498	+	4.3	3140	2	13	2050
1954-55	160	0	3.7	2690	1	18	1220
1955-56	898	0.2	5.6	4050	1	26	2040
1956-57	121	0	3.2	2360	5	11	1550
1957-58	600	0	7.6	5530	2	19	2900
1958-59	239	0	2.1	1550	1	6	1760
1959-60	279	0	3.4	2450	1	11	1950
1960-61	116	0	1.4	1040	11	5	1140
1961-62	638	0	8.8	6340	2	19	3510
1962-63	280	0	4.3	3090	3	28	1900
1963-64	104	0	2.7	1970	11	6	1506
1964-65	233	0	4.1	2970	4	9	2082
1965-66	508	0	6.1	4430	12	29	2170
1966-67	485	0	7.1	5100	11	7	3730
1967-68	672	0	5.7	4140	3	7	792
1968-69				**	1	20	4610
1969-70				**	1	16	1335
1970-71				**	11	29	2126
1971-72				**	12	27	4120
1972-73	283	0.1	6.7	2450	11	14	2676
1974-75	425	0.1	5.1	3700	12	4	5970

\+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0
** = RECORD NOT COMPUTED

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F-302-R

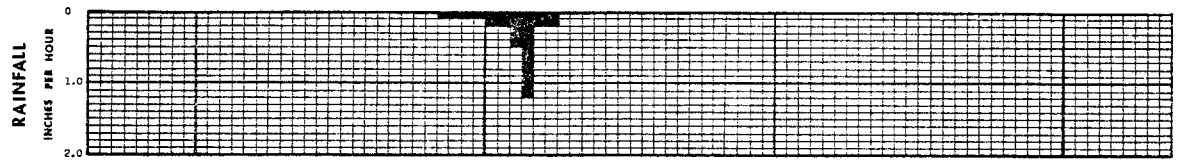
DAILY DISCHARGE IN SECOND-FEET OF COMPTON CREEK at 120th Street FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	e 1.2	e 1.2	e 0.7	e 0.7	3.4	e 0.6	e 0.6	e 0.7	e 0.6	e 1.4	e 1.0	e 0.1
2	e 1.2	e 1.0	e 1.8	e 1.2	53	e 0.5	e 0.2	e 0.6	e 0.5	e 1.4	e 0.6	e 0.1
3	e 1.8	e 1.2	18.7	e 0.7	228	e 0.6	e 0.4	e 0.7	e 0.6	e 1.4	e 0.5	e 0.1
4	e 2.5	e 1.2	425	e 0.7	23	e 0.6	e 0.5	e 0.6	e 0.6	e 1.0	e 0.6	e 0.1
5	e 2.0	e 1.0	e 1.0	e 0.7	e 41	31	25	e 0.6	e 0.6	e 0.7	e 0.7	e 0.1
6	e 1.2	e 1.0	e 0.6	e 1.2	e 0.7	76	5.9	e 0.6	e 0.7	e 0.6	e 1.2	e 0.1
7	13	e 0.7	e 0.6	e 2.2	e 0.7	16.4	3.4	e 0.5	e 0.6	e 1.0	e 1.0	e 0.1
8	3.4	e 1.2	e 0.5	e 2.5	e 1.0	65	22	e 0.7	e 0.5	e 1.2	e 1.2	e 0.1
9	3.4	e 1.2	e 0.5	e 1.4	138	e 0.7	16.8	e 0.6	e 0.5	e 1.2	e 1.2	e 0.1
10	e 0.7	e 1.4	e 0.6	e 1.4	41	47	e 1.0	e 0.6	e 0.7	e 1.4	e 0.5	e 0.1
11	e 1.2	e 1.2	e 0.6	e 1.2	e 1.2	8.2	e 0.7	e 0.6	e 0.6	e 1.8	e 0.4	e 0.2
12	e 1.0	e 1.4	e 0.7	e 1.2	e 0.7	e 1.0	e 0.7	e 0.7	e 0.7	e 1.4	e 0.5	e 0.2
13	e 1.0	e 1.2	e 1.2	e 1.2	e 0.7	6.5	e 0.7	e 0.6	e 0.6	e 0.7	e 0.5	e 0.2
14	e 1.0	e 1.2	e 1.4	e 1.2	e 0.7	e 6.6	e 0.7	e 0.6	e 0.6	e 0.5	e 0.6	e 0.2
15	e 1.0	e 1.8	e 0.7	e 1.4	e 0.4	e 0.6	10.6	e 0.6	e 0.6	e 1.2	e 0.6	e 0.2
16	e 1.2	e 1.2	e 0.7	e 1.4	e 0.4	e 4.0	e 1.2	e 0.6	e 0.6	e 1.4	e 0.5	e 0.2
17	e 1.2	e 1.2	e 1.0	e 1.2	e 0.2	e 0.5	e 7.2	e 0.6	e 0.6	e 1.6	e 0.4	e 0.2
18	e 1.2	e 1.0	e 1.0	e 1.2	e 0.5	e 0.6	e 1.2	e 0.6	e 0.6	e 1.4	e 0.4	e 0.2
19	e 1.0	e 1.4	e 1.0	e 1.2	e 0.6	e 0.6	e 1.2	e 0.5	e 0.7	e 0.7	e 0.5	e 0.2
20	e 0.7	e 1.2	e 1.0	e 1.0	e 0.6	e 0.7	e 0.6	e 0.6	e 0.7	e 0.5	e 0.2	e 0.2
21	e 1.0	e 1.4	e 1.2	e 0.7	e 0.6	e 0.6	e 1.2	e 0.6	e 0.6	e 0.4	e 0.4	e 0.3
22	e 1.2	3.4	e 0.7	e 1.0	e 0.5	84	e 0.7	e 0.6	e 0.6	e 1.0	e 0.2	e 0.3
23	e 1.0	e 1.0	e 0.4	e 0.7	e 0.7	e 0.6	e 0.7	e 0.6	e 1.0	e 0.6	e 0.2	e 0.3
24	e 0.7	e 1.2	e 0.5	e 1.0	e 0.5	e 0.6	e 0.7	e 0.6	e 0.7	e 0.6	e 0.2	e 0.3
25	e 1.0	e 1.0	e 1.0	e 1.4	e 0.7	e 0.5	e 2.0	e 0.6	e 1.2	e 0.6	e 0.2	e 0.3
26	e 1.4	e 1.2	e 1.2	e 0.7	e 0.6	e 0.4	e 1.0	e 0.6	e 1.0	e 0.5	e 0.2	e 0.4
27	e 1.6	e 1.2	e 1.0	e 1.0	e 0.5	e 0.4	e 0.5	e 0.6	e 1.4	e 0.5	e 0.2	e 0.4
28	44	e 1.2	141	e 0.7	e 0.6	e 0.5	e 0.5	e 0.6	e 0.7	e 0.5	e 0.7	e 0.4
29	3.4	e 0.7	7.8	e 0.5		e 0.5	e 0.7	e 0.7	e 0.7	e 0.7	e 0.5	e 0.4
30	e 1.0	e 1.0	9.7	e 1.2		e 0.5	e 0.6	e 0.7	e 0.7	e 0.7	e 0.1	e 0.4
31	e 1.2		6.9	e 0.7		e 1.0		e 1.2		e 0.6	e 0.1	
MEAN	3.17	1.24	20.4	1.11	18.0	11.5	3.64	.63	.69	.94	.52	.22
ACRE-FEET	195	74	1250	68	999	709	217	39	41	58	32	13.0

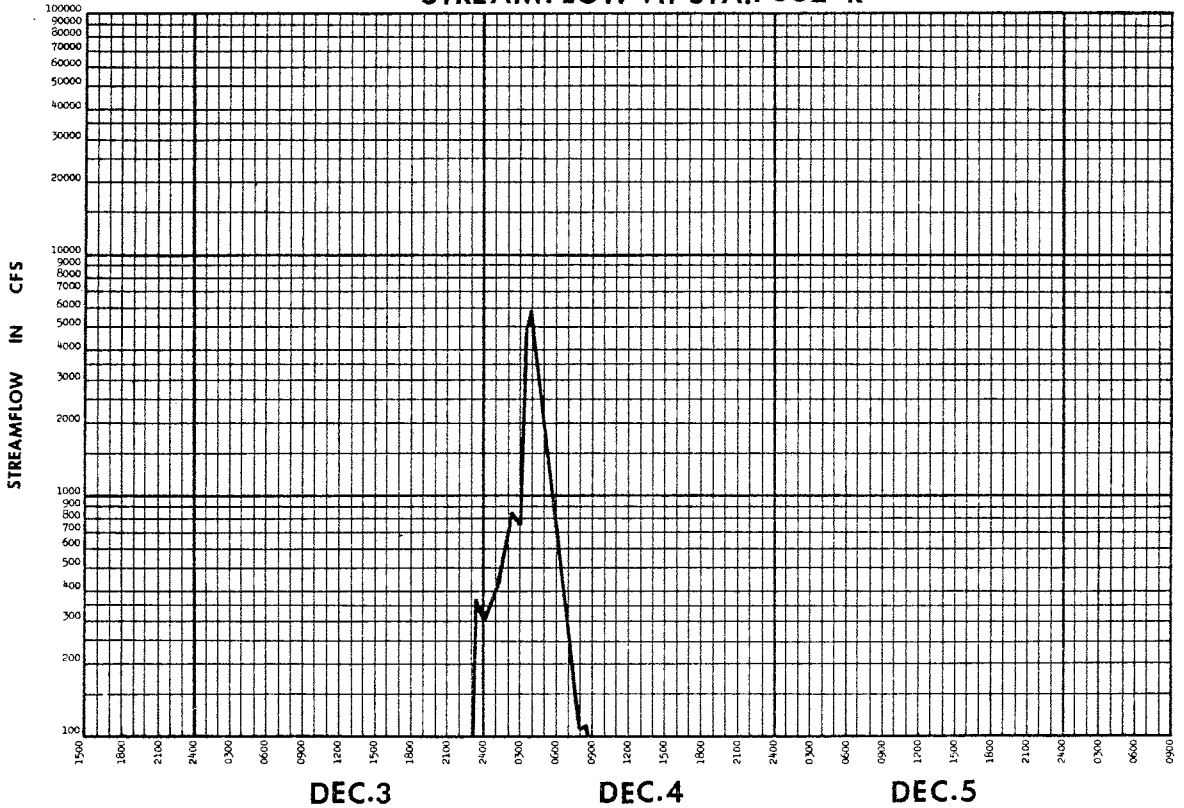
YEAR OR PERIOD MEAN 5.10
ACRE-FEET 3700

2959 FCD 10/73

RAINFALL AT STA.291

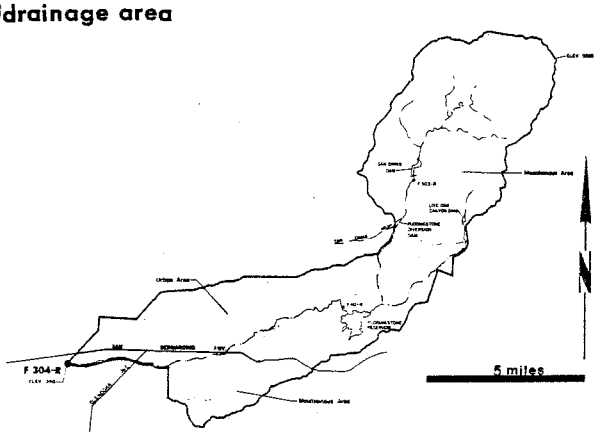


STREAMFLOW AT STA.F302-R



STATION NO. F 304 - R
WALNUT CREEK
Above Puente Ave.

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from footbridge

DRAINAGE AREA – 57.6 square miles

LOCATION – 845.0 feet upstream of Puente Avenue bridge, Baldwin Park

REGULATION – partially regulated by San Dimas, Puddingstone Diversion, Puddingstone, and Live Oak Dams

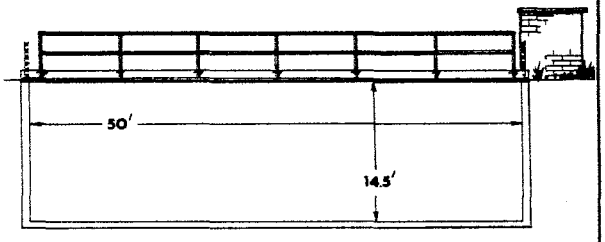
CHANNEL – concrete, rectangular in section

CONTROL – channel forms control

LENGTH OF RECORD – October 14, 1952 to April 11, 1961
January 3, 1962, to date

REMARKS – no record during April 11, 1961, to January 3, 1962, due to channel construction

cross-section



STATION DATA SUMMARY

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

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1952-53	47	0	0.4	292	12	1	713
1953-54	297	0	34.9	25290	2	13	1500
1954-55	337	0	29.9	21640	1	18	732
1955-56	1120	0	68.5	49730	1	26	3450
1956-57	361	0	71.2	51530	2	28	2200
1957-58	494	0	11.7	8490	4	7	2510
1958-59	279	0	2.2	1610	1	6	2480
1959-60	163	0	1.8	1300	1	12	1160
1960-61	272	0	12.4	9010	1	26	411
1961-62	431*	*	*	4800*	2	11	2090
1962-63	267	+	4.6	3360	3	16	1410
1963-64	232	+	3.9	2860	1	22	1280
1964-65	435	0.2	16.1	11640	4	9	3250
1965-66	646	0.2	11.0	7920	12	29	2060
1966-67	685	0.1	20.8	15060	1	24	3360
1967-68	647	+	23.3	16880	3	8	3390
1968-69	1830	+	68.4	49490	2	25	4960
1969-70	278	+	4.5	3250	3	1	2210
1970-71	384	0	9.4	6810	12	21	1630
1971-72	546	0	4.1	3070	12	24	2650
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

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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

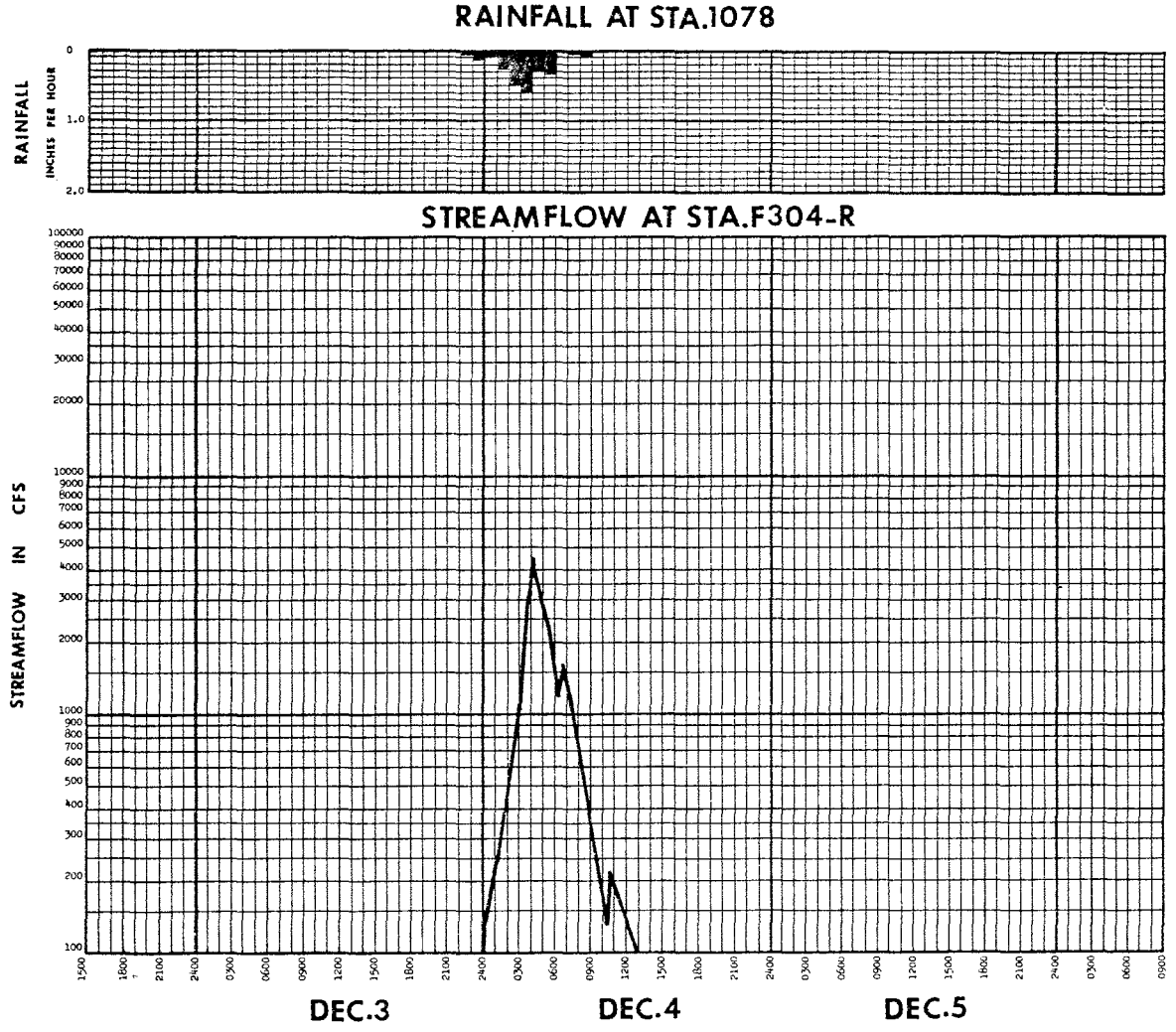
STATION NO F304-R

DAILY DISCHARGE IN SECOND-FEET OF WALNUT CREEK above Puente Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.4	1.2	0.2	a 0.6	0.9	0.9	1.2	0.6	2.1	0.2	0.6	0.6
2	0.4	3.6	0.6	a 0.6	240	1.2	0.9	0.1	2.1	0.1	1.2	0.6
3	0.4	1.2	3.0	a 0.6	238	0.9	0.9	0.4	0.4	0.2	0.9	0.4
4	0.4	1.2	551	a 0.6	52	1.2	0.9	0.2	1.2	0.2	0.9	0.4
5	0.6	1.2	4.0	a 0.6	3.3	55	18.5	0.2	0.4	0.4	0.9	0.9
6	0.6	0.9	1.2	a 0.6	0.9	136	0.9	+	0.4	0.2	0.9	1.2
7	2.1	0.9	1.6	0.6	0.6	50	0.4	+	0.4	0.2	0.9	1.6
8	0.6	0.9	1.6	1.2	0.9	166	30	+	0.4	0.2	0.9	0.2
9	0.4	1.2	1.2	0.6	116	2.7	25	+	0.4	0.2	0.9	0.2
10	0.6	1.2	0.6	0.4	21	37	1.2	0.1	0.6	0.2	1.2	0.4
11	0.6	1.2	0.6	0.6	0.9	1.6	11.7	0.1	0.6	0.2	0.9	0.2
12	0.6	0.9	0.9	0.6	0.6	0.9	76	0.1	0.9	0.2	0.9	0.2
13	0.4	0.9	0.9	0.2	0.9	5.6	64	1.2	2.1	0.1	1.2	0.2
14	0.6	0.9	a 0.6	0.4	0.6	17.1	45	0.6	0.9	0.6	0.9	0.2
15	0.6	0.6	a 0.6	0.6	0.4	0.9	40	2.7	1.2	0.2	1.2	0.2
16	0.2	0.9	a 0.6	0.6	0.4	2.7	3.3	2.1	2.1	0.2	1.2	0.2
17	0.9	0.9	a 0.6	1.2	0.4	0.6	17.6	2.1	1.2	0.2	1.6	0.1
18	1.2	0.6	a 0.6	1.2	0.4	0.9	0.9	2.7	2.1	0.2	1.2	0.2
19	1.6	0.6	a 0.6	1.2	0.4	0.6	2.1	2.7	0.9	0.6	1.2	0.4
20	1.2	0.4	a 0.6	0.9	0.4	0.6	2.1	4.8	1.2	0.9	0.9	0.2
21	1.2	0.4	a 0.6	0.6	0.4	0.9	2.1	0.9	0.9	0.6	1.2	0.1
22	0.4	2.7	a 0.6	0.6	0.4	54	1.6	0.6	0.9	0.2	1.6	0.2
23	0.6	1.6	a 0.6	0.4	1.2	0.6	2.7	1.2	0.9	0.4	1.2	0.1
24	+	1.6	a 0.6	0.6	1.2	0.6	3.3	0.9	1.2	0.4	1.2	0.2
25	0.2	0.4	a 0.6	0.9	0.6	13.0	10.1	0.6	0.9	0.4	1.2	0.6
26	1.2	0.4	a 0.9	0.9	0.6	0.9	1.2	0.9	0.4	1.2	1.2	0.2
27	0.6	0.4	a 0.9	0.6	1.2	0.9	0.9	0.4	0.6	0.6	1.6	0.6
28	109	0.4	a 115	0.4	0.6	0.9	1.6	0.6	0.4	0.4	1.2	0.6
29	b 1.0	0.4	a 1.2	0.9		0.9	1.6	0.6	0.4	0.6	0.6	2.1
30	b 1.0	0.2	a 0.9	1.2		0.9	1.6	0.4	0.4	0.2	0.4	0.4
31	2.7		a 0.9	0.9		1.2		0.4		0.4	0.6	
MEAN	4.27	1.00	22.4	0.71	24.5	18.0	12.3	0.91	0.95	0.35	1.05	0.46
ACRE-FEET	262	59	1380	43	1360	1110	732	56	57	22	64	27

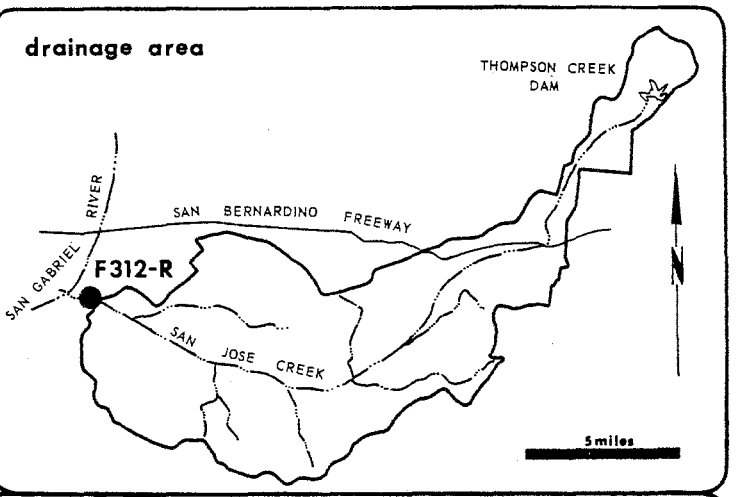
YEAR OR PERIOD MEAN 7.13
ACRE-FEET 5170

2359 FCD 10/73



STATION NO. F 312 - R
SAN JOSE CHANNEL
above Workman Mill Road

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 83.4 square miles

LOCATION – 1,650 feet above Workman Mill Road, 3.0 miles southeast of El Monte

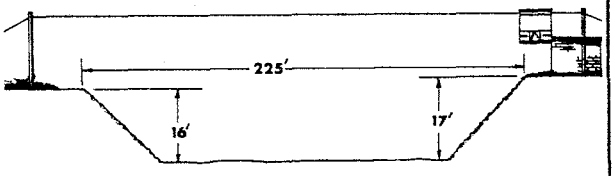
REGULATION – partially regulated by Thompson Creek Dam and Pomona Sewage Treatment Plant

CHANNEL – grouted rip-rap side slopes with natural bottom, trapezoidal section

CONTROL – rock stabilizer

LENGTH OF RECORD – September 13, 1955, to date

cross-section



STATION DATA SUMMARY

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	DAY	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	8.0	28.7	20490	3	4	3930
1970-71	1180	5.0	22.4	16190	12	21	4400
1971-72	988	3.9	17.4	12650	12	24	3720
1972-73	1820	7.0	38.4	27830	2	13	6440
1973-74	1970	8.0	33.3	24040	1	4	4900
1974-75	1260	5.2	64.4	46650	12	4	9620

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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F312-R

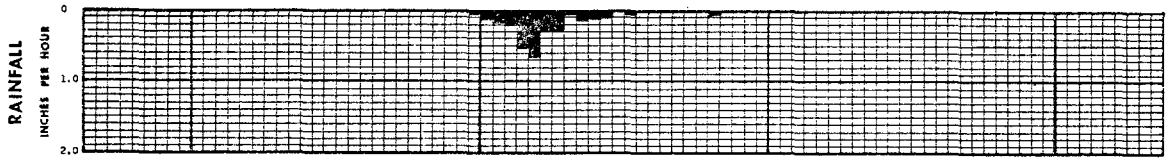
DAILY DISCHARGE IN SECOND-FEET OF SAN JOSE CHANNEL above Workman Mill Road FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	14.0	16	143	17	13	140	a 135	85	7.8	8.3	a 12	10
2	14.0	15	140	17	30	135	a 135	14	7.8	8.4	a 12	10
3	13.0	66	17	63	564	135	a 135	11	7.3	9.8	a 12	9.8
4	14.0	146	1260	143	94	132	a 45	10	7.6	9.6	a 10	9.8
5	13.0	140	b 14	140	24	144	a 50	9.9	7.8	9.6	a 9.9	9.2
6	13.0	140	b 33	143	18	422	a 25	8.9	7.2	10.1	a 11	11
7	18.0	113	143	143	19	108	a 15	7.8	7.5	9.8	a 12	10
8	15.0	64	143	103	19	539	f 88	8.3	7.5	9.8	a 13	10
9	14.0	143	146	17	378	22	89	8.6	7.3	9.8	a 13	9.9
10	13.0	140	146	59	86	99	13	8.9	7.3	9.2	a 13	9.8
11	30	138	146	138	19	23	11	9.2	7.3	10.1	a 11	8.9
12	110	146	149	143	18	13	12	9.4	7.3	9.4	a 8.5	9.4
13	113	146	143	146	18	25	12	9.4	7.0	8.9	a 7.3	9.9
14	118	138	146	146	19	88	12	9.2	6.4	9.2	a 8.9	11
15	126	140	143	146	18	13	25	9.2	7.0	8.6	a 9.3	12
16	146	140	146	146	18	14	12	9.2	6.8	9.1	a 11	12
17	146	140	146	140	57	62	34	8.9	7.3	9.4	a 13	11
18	143	143	143	143	135	138	57	9.1	7.5	9.6	a 9.5	11
19	146	135	146	143	135	110	132	8.9	7.5	9.8	a 11	10
20	143	135	143	143	135	13	132	11	8.3	9.4	a 9.3	12
21	143	92	143	140	132	45	135	8.6	8.6	8.9	a 10	12
22	143	b 12	143	143	77	220	61	8.1	8.3	8.9	a 11	12
23	143	b 54	88	146	a 142	13	12	7.8	8.6	9.2	a 11	11
24	143	140	b 2.0	98	a 142	13	68	7.6	8.9	9.8	a 9.2	10
25	146	143	b 12	14	a 142	35	156	7.9	8.4	9.1	a 9.9	9.2
26	146	143	b 14	13	a 142	13	129	7.5	8.7	10.1	a 8.8	11
27	146	146	b 15	13	a 142	64	126	7.2	8.1	9.8	9.4	11
28	321	140	236	13	143	135	123	5.4	8.6	9.8	8.7	12
29	17	138	83	12		a 135	132	5.2	8.7	a 4.0	9.9	12
30	16	140	14	15		a 135	129	5.5	8.7	a 9.6	10	11
31	15		17	15		a 135		7.3		a 9.0	11	
MEAN	88.4	118	142	94	103	107	74.5	11.1	7.77	9.39	10.5	10.6
ACRE-FEET	5440	7000	8730	5750	5710	6580	4440	682	462	577	646	630

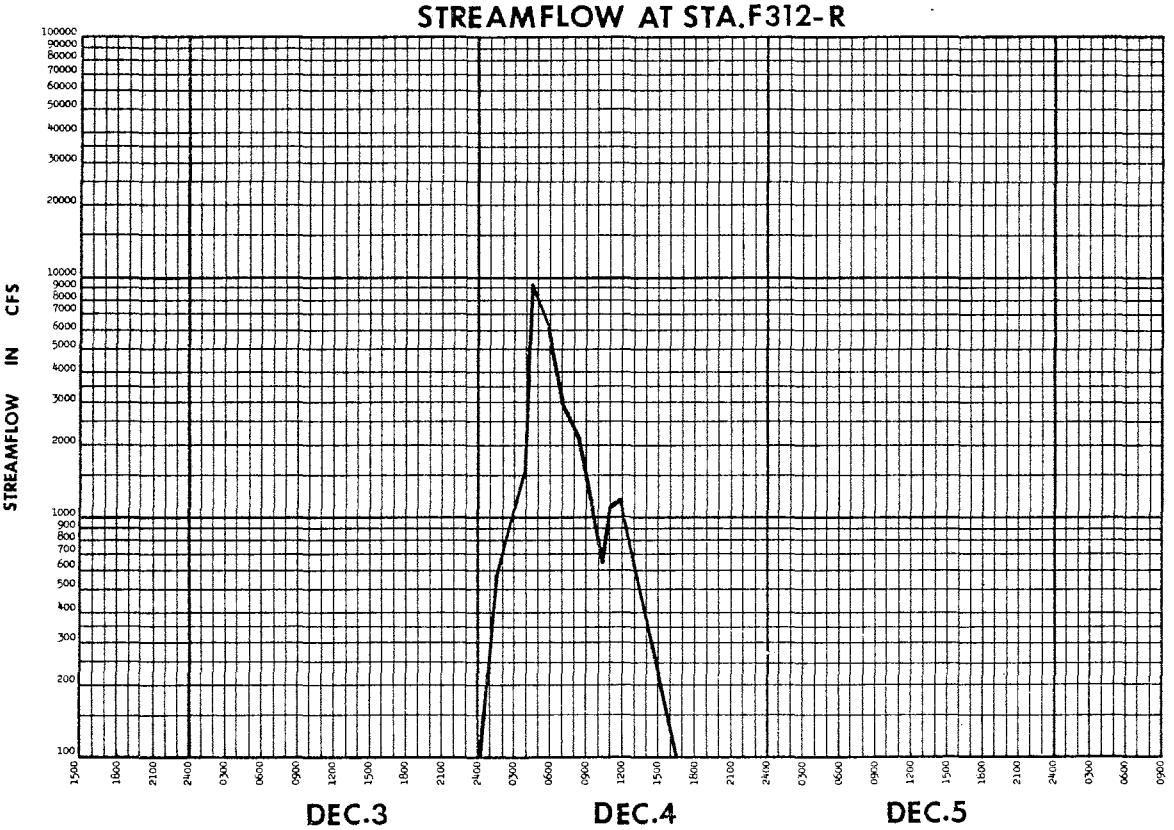
YEAR OR PERIOD MEAN 64.4
ACRE-FEET 46,650

2059 FCD 10/73

RAINFALL AT STA.356C

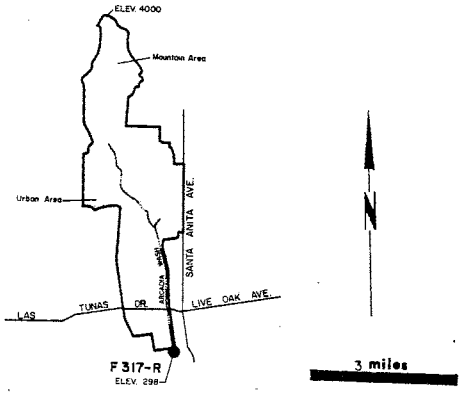


STREAMFLOW AT STA.F312-R



STATION NO. R317-R
ARCADIA WASH
below Grand Avenue

drainage area



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

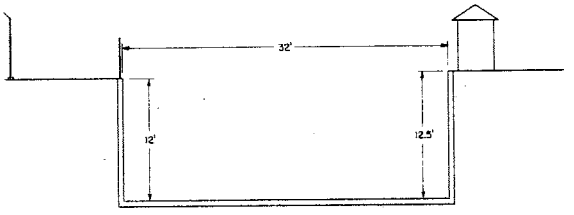
LOCATION - ON THE WEST WALL OF ARCADIA WASH ABOUT 75 FEET DOWNSTREAM FROM CENTERLINE OF GRAND AVENUE

REGULATION - SEVERAL DEBRIS BASINS LOCATED UPSTREAM.

CHANNEL - RECTANGULAR CONCRETE

LENGTH OF RECORD - DECEMBER 12, 1955 TO DATE

cross section



STATION DATA SUMMARY

STA. NO. F317-R
ARCADIA WASH BELOW GRAND

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK MON	PEAK DAY	PEAK FLOW CFS
1956-57	108	0.1	1.8	1340	2	23	1184
1957-58	212	0.1	4.6	3330	2	24	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			
1968-69				M			
1969-70				M			
1970-71				M			
1971-72				M			
1972-73				M			
1973-74	279	0.3	4.0	2910	1	7	931
1974-75	207	0.3	3.2	2290	12	4	2560

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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F317-R

DAILY DISCHARGE IN SECOND-FEET OF ARCADIA WASH below Grand Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.7	0.8	0.5	0.3	0.5	0.6	0.6	0.6	0.7	0.7	0.9	0.9
2	0.8	0.6	0.6	0.4	12.9	0.6	0.5	0.8	0.7	0.9	0.9	1.2
3	0.9	0.7	13.0	0.4	77	0.8	0.4	0.7	0.7	0.9	0.7	0.9
4	0.8	0.7	207	0.4	21	0.6	0.5	0.7	0.9	0.9	0.9	0.9
5	0.7	0.5	1.0	0.4	1.3	43	38	0.7	0.7	0.9	0.9	1.2
6	0.7	0.5	0.6	0.4	0.6	46	13.0	0.6	0.7	0.9	0.9	0.9
7	10.3	0.5	0.5	0.4	0.6	6.0	0.9	0.7	0.9	0.9	0.9	1.2
8	0.7	0.5	0.4	0.5	0.6	53	14.5	0.7	0.9	0.9	0.9	1.4
9	0.8	0.5	0.4	0.4	51	1.1	11.0	0.7	0.9	1.2	0.9	0.9
10	0.6	0.4	0.4	0.4	23	33	0.6	0.7	0.7	1.2	0.9	0.9
11	0.7	0.4	0.4	0.4	0.7	1.5	0.6	0.8	0.7	0.9	0.9	0.9
12	0.6	0.5	0.4	0.4	0.6	0.6	0.6	0.8	0.7	0.9	0.9	0.9
13	0.7	0.5	0.5	0.5	0.6	34	0.5	0.9	0.9	0.7	0.9	1.2
14	0.7	0.5	0.4	0.5	0.6	3.7	0.5	0.8	0.9	0.9	0.9	1.2
15	0.6	0.5	0.4	0.5	0.5	0.6	13.9	0.9	0.9	0.9	0.9	1.2
16	0.6	0.7	0.5	3.0	0.5	1.5	0.6	1.0	0.9	1.2	0.9	1.7
17	0.7	0.9	0.4	1.4	0.5	0.5	0.5	0.8	1.2	1.2	0.7	1.2
18	0.7	0.8	0.4	0.5	0.6	0.5	0.4	1.0	1.4	0.9	0.9	0.9
19	0.7	0.6	0.5	0.8	0.4	0.6	0.4	1.0	0.7	0.9	0.9	0.9
20	0.8	0.7	0.4	1.3	0.5	0.5	0.4	6.0	0.7	0.9	0.9	0.9
21	0.9	0.8	0.4	0.8	0.6	0.5	0.5	0.6	0.7	0.9	0.7	0.7
22	0.8	1.0	0.5	0.7	0.5	33	0.5	0.5	0.7	1.2	0.9	0.7
23	0.8	0.4	0.5	0.5	0.6	0.6	0.5	0.6	0.9	0.9	0.9	0.9
24	0.9	0.4	0.4	0.5	0.9	0.5	0.5	0.7	0.9	0.9	0.9	0.7
25	0.8	0.5	0.4	0.5	0.4	6.4	4.7	0.7	0.9	0.9	1.2	0.9
26	0.8	0.5	0.4	0.6	0.7	0.7	0.4	0.9	0.9	0.9	1.2	0.9
27	0.9	0.5	0.4	6.1	0.5	0.5	0.4	0.9	0.7	0.9	0.9	0.9
28	53	0.6	69	0.5	0.6	0.4	0.5	0.9	0.9	0.9	0.9	0.9
29	0.6	0.5	4.7	0.4		0.4	0.6	0.8	0.9	0.9	1.2	0.9
30	0.6	0.5	0.7	1.6		0.5	0.5	0.7	0.9	0.9	0.9	0.9
31	0.8		0.4	0.6		1.6		0.8		0.9	0.9	
MEAN	2.73	0.58	9.89	0.84	7.10	8.83	3.58	0.94	0.84	0.94	0.91	0.99
ACRE FEET	168	35	608	52	394	543	213	58	50	58	56	59

YEAR OR PERIOD MEAN 3.17
ACRE-FEET 2290

2059 FCD 10/73

RAINFALL AT STA.1037

RAINFALL INCHES PER HOUR

0
1.0
2.0

STREAMFLOW AT STA.F317-R

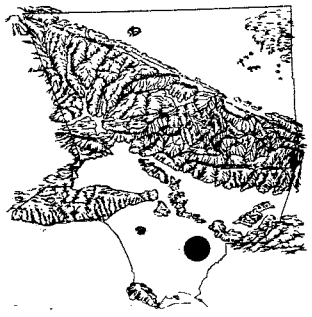
STREAMFLOW IN CFS

100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
900
800
700
600
500
400
300
200
100

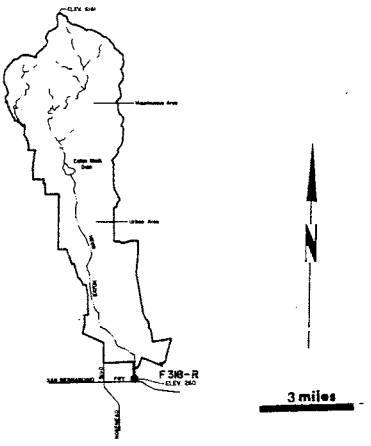
1500 1800 2100 2400 0300 0600 0900 1200 1500 1800 2100 2400 0300 0600 0900 1200 1500 1800 2100 2400 0300 0600 0900 1200 1500 1800 2100 2400 0300 0600 0900

DEC.3 DEC.4 DEC.5

STATION F318-R
EATON WASH
at Loftus Drive

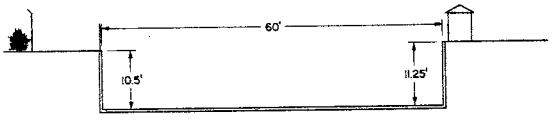


drainage area



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 AREA - 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 DEEP
CONTROL - CHANNEL FORMS CONTROL
LENGTH OF RECORD - 1956 TO DATE

cross section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F318-R

DAILY DISCHARGE IN SECOND-FEET OF EATON WASH at Loftus Drive FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	1.8	2.0	1.5	2.9	0.9	2.1	1.1	1.8	0.9	2.7	2.7	1.5
2	1.8	2.3	1.7	2.8	34	2.0	0.8	1.1	0.9	2.7	1.2	2.1
3	1.9	1.9	4.0	2.5	154	2.0	1.2	1.0	0.9	2.4	1.2	2.4
4	2.1	2.0	480	2.6	40	1.9	1.1	0.7	1.2	1.2	2.7	2.4
5	1.8	2.2	1.1	2.8	3.8	94	54	0.9	1.2	0.9	2.7	2.4
6	1.8	1.9	1.2	2.9	2.1	135	23	0.8	1.2	1.2	1.8	1.8
7	22	2.0	1.2	3.0	2.1	13.3	1.7	1.1	1.2	2.7	1.5	1.5
8	3.5	2.0	1.2	3.3	1.6	116	26	0.9	0.9	2.4	1.8	1.5
9	1.8	2.2	1.3	2.9	82	1.7	23	1.1	1.2	2.4	1.5	2.7
10	2.1	2.0	1.3	2.9	32	46	1.4	1.0	1.2	2.4	1.2	1.5
11	2.0	2.2	1.3	3.0	2.2	2.5	1.1	0.9	1.2	2.7	2.4	1.5
12	2.0	2.3	1.4	3.1	2.2	1.4	0.6	1.6	1.5	1.5	2.4	1.5
13	1.5	2.4	1.5	3.1	2.0	58	0.6	2.0	1.5	0.9	1.5	1.2
14	1.9	2.4	1.4	3.4	2.0	6.7	0.8	1.8	2.1	2.4	1.5	1.2
15	1.9	2.8	1.4	3.5	1.8	1.0	18.0	0.8	1.2	2.4	1.5	1.5
16	2.2	3.6	1.7	3.1	1.8	3.4	0.9	0.8	0.9	2.4	1.2	2.7
17	2.3	2.8	2.1	2.8	2.1	0.8	0.7	1.1	1.5	2.4	1.2	2.7
18	2.1	2.1	1.8	2.7	2.2	0.6	0.7	0.8	2.4	1.2	2.4	3.0
19	1.8	2.1	1.6	2.5	2.2	0.6	0.7	0.8	1.2	1.2	2.4	2.7
20	1.4	2.0	2.2	2.2	2.2	0.7	0.8	13.5	0.9	0.9	2.4	2.1
21	1.5	5.0	1.9	2.0	2.2	0.6	1.2	0.7	1.2	1.2	2.7	1.8
22	1.8	6.5	1.9	1.8	2.0	65	1.0	0.8	0.9	2.1	1.5	2.7
23	1.8	2.2	2.2	1.9	2.0	0.5	0.8	0.9	1.2	2.4	1.5	3.3
24	1.8	1.8	3.0	1.8	2.5	0.7	1.0	0.9	1.2	2.7	1.2	3.4
25	2.0	2.0	2.7	1.8	2.6	9.1	5.8	0.7	2.4	2.4	2.4	4.3
26	1.6	2.2	3.0	1.7	2.4	0.8	1.6	0.7	2.7	1.5	1.8	4.3
27	1.4	1.9	3.2	13.1	2.4	0.6	1.7	0.8	2.7	1.2	2.1	3.6
28	89	1.8	145	1.7	2.4	0.5	1.5	1.9	1.8	2.1	1.5	3.3
29	2.2	1.5	14.3	1.4		0.7	1.8	2.2	2.1	2.4	2.7	4.3
30	1.8	6.6	2.9	5.0		0.5	1.6	1.9	2.4	2.4	1.5	5.0
31	2.2		2.6	1.5		1.6		0.9		2.4	1.2	
MEAN	5.38	2.56	22.4	2.96	14.0	18.4	5.87	1.51	1.46	1.99	1.85	2.53
ACRE-FEET	331	152	1380	182	777	1130	349	93	87	123	114	151

YEAR OR PERIOD MEAN 6.72
ACRE-FEET 4870

2059 FCD 10/73

STATION DATA SUMMARY

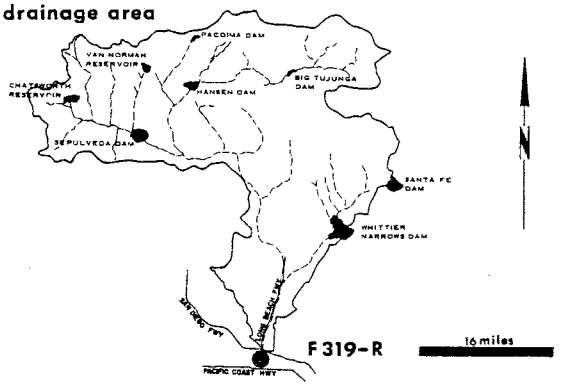
STA. NO. F318-R
EATON WASH AT LOFTUS DRIVE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1956-57 A	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			
1969-70				M			
1970-71				M			
1971-72				M			
1972-73				M			
1973-74	592	0.3	6.7	4870	1	7	1530
1974-75	480	0.5	6.7	4870	12	4	3000

\+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0
M = RECORDS MISSING
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 F318-R ON FEBRUARY 23, 1956

STATION NO. F 319-R
LOS ANGELES RIVER
below Wardlow Road

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 815.0 square miles (excludes area above Santa Fe Dam)

LOCATION – 900.0 feet below Wardlow Road, Long Beach

REGULATION – flow is subject to the same regulation as Stations F34D-R and P45B-R.
Diversion - flows diverted to Dominguez Gap Spreading Grounds

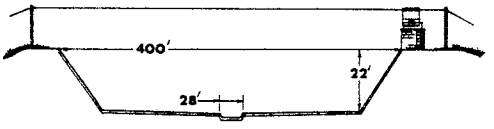
CHANNEL – trapezoidal, concrete, 302.0 feet wide at bottom with 2.25:1 side slopes. Low flow channel 28.0 feet wide by 1.0 foot deep in center of channel

CONTROL – channel forms control

LENGTH OF RECORD –
at Station F180-R, October 31, 1931, to January 13, 1956
at Station F319-R, January 13, 1956, to date

REMARKS – prior to 1931, see Station F36-R

cross-section



STATION DATA SUMMARY

STA. NO. F319-R
LOS ANGELES RIVER BELOW WARDLOW ROAD

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1928-29 A				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
1931-32 B	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	1430	2.3	28.3	20470	2	12	10400
1936-37	6800	3.3	126	91110	2	14	20500
1937-38	50000	1.0	564	408000	3	2	99000 F
1938-39	6220	3.5	114	82750	9	25	17300
1939-40	2830 E	15	90.8	65930	2	2	8440
1940-41	11120	18	510	369500	3	4	18170
1941-42	3180	31	129	93390	12	10	10800
1942-43	18100	28	366	264900	1	23	37900
1943-44	17190	38	299	217400	2	22	34000
1944-45	3020	33	138	100200	11	12	11600
1945-46	6440	30	127	91790	12	22	12800
1946-47	5750	18	146	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	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
1955-56 C	12700	7.0	133	96810	1	26	40500
1956-57	4550	5.5	67.3	48710	2	23	23000
1957-58	10400	6.4	264	191200	2	19	43800
1958-59	6340	7.2	68.2	49390	1	6	31000
1959-60	3420	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	177400	2	12	42200
1962-63	5480	1.2	75.4	54700	2	9	31400
1963-64	4150	5.3	64.8	47020	1	22	16000
1964-65	5150	4.1	106	76680	4	9	30100
1965-66	22500	3.0	342	247900	12	29	61500
1966-67	12400	9.9	237	171900	11	7	43700
1967-68	13600	18	173	125800	3	8	48900
1968-69	55000	16	1150	832000	1	25	102000
1969-70	5300	22	128	92070	2	28	5300
1970-71	20600	20	201 *	145300 *	11	29	65100
1971-72	8550	17	106	77560	12	24	28700
1972-73	16170	20	253	183300	2	11	50800
1973-74	17200	17	190	137800	1	7	42800
1974-75	11200	13	159	115000	12	4	64470

* = RECORDER FAILED – FLOW COMPUTED BY ADDING O'S OF STATIONS NOS. F340-R, F45B-R, + 104.AX OF F378-R

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)

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F319-R

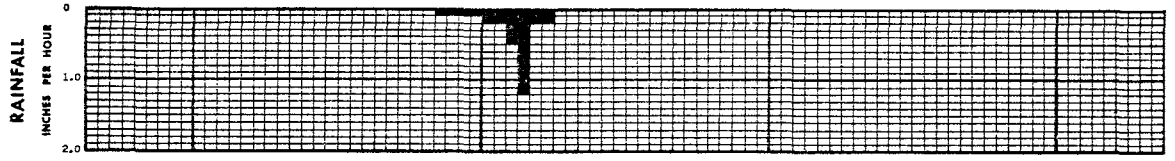
DAILY DISCHARGE IN SECOND-FEET OF LOS ANGELES RIVER Below Wardlow FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	24	19.4	17.8	29	27	36	40	33	21	32	29	27
2	24	49	19.4	20	233	38	35	30	28	31	30	31
3	23	18.6	32	21	5410	38	28	30	a 26	30	24	33
4	23	19.4	11200	23	950	45	27	27	a 26	27	25	32
5	22	20	247	23	217	1140	1090	21	a 26	15.4	31	36
6	19	18.6	49	23	45	5330	619	31	a 26	19.4	37	36
7	262	20	30	28	42	518	363	31	a 26	18.6	34	30
8	179	23	32	28	28	3940	264	27	a 26	23	35	31
9	50	21	21	24	2710	302	1230	26	a 26	28	39	37
10	29	18.6	17.8	24	876	792	119	29	26	26	35	35
11	28	19.4	18.6	27	126	762	97	26	25	27	34	32
12	21	25	17.8	20	36	94	223	26	25	20	36	31
13	14.6	30	17.8	18.6	31	89	51	37	24	19.4	35	32
14	16.2	26	16.2	18.6	31	753	41	32	31	19.4	36	29
15	21	24	15.4	18.6	26	60	423	32	22	29	37	23
16	23	22	17	25	26	107	98	32	21	27	31	29
17	24	22	23	27	25	67	96	29	29	26	28	61
18	28	21	24	26	29	44	34	25	70	28	28	30
19	29	25	22	25	32	33	28	23	62	38	36	29
20	23	30	23	22	35	41	22	81	57	33	35	29
21	21	32	24	29	32	33	23	101	42	28	33	30
22	27	327	18.6	24	36	1860	34	32	31	33	33	29
23	26	40	16.2	24	27	116	32	28	24	33	31	35
24	27	22	13.8	20	32	51	27	27	30	31	28	34
25	27	18.6	13	24	35	68	51	23	29	33	30	32
26	22	21	14.6	24	34	49	26	21	29	31	36	33
27	17.8	23	19.4	29	32	39	21	30	29	26	32	35
28	984	22	2880	65	34	36	23	28	31	26	31	28
29	224	19.4	1060	24		29	33	28	25	34	34	26
30	35	17.8	54	33		20	34	27	25	32	32	32
31	22		71	65		35		26		29	30	
MEAN	74.7	33.8	519	26.8	400	534	174	32.2	30.6	27.5	32.4	32.2
ACRE-FEET	4590	2010	31900	1650	22210	32860	10380	1980	1820	1690	1990	1920

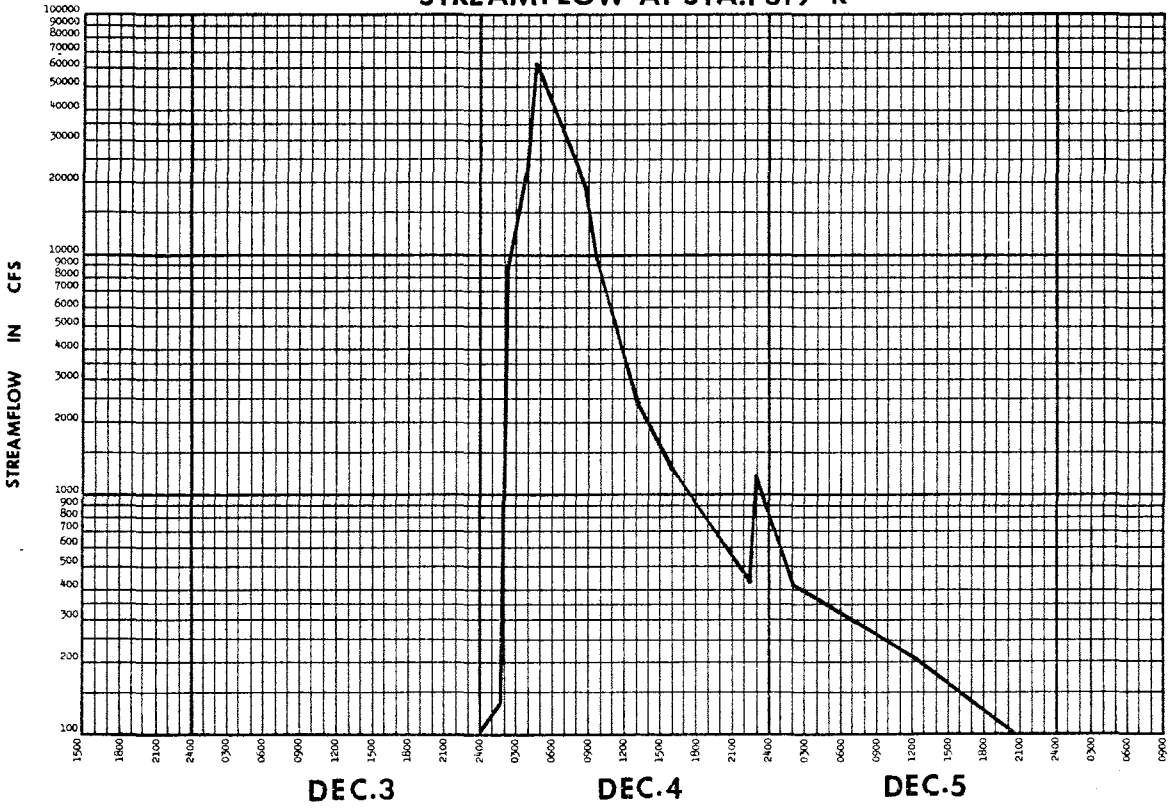
YEAR OR PERIOD MEAN 159
ACRE-FEET 115000

2059 FCD 10/73

RAINFALL AT STA.291

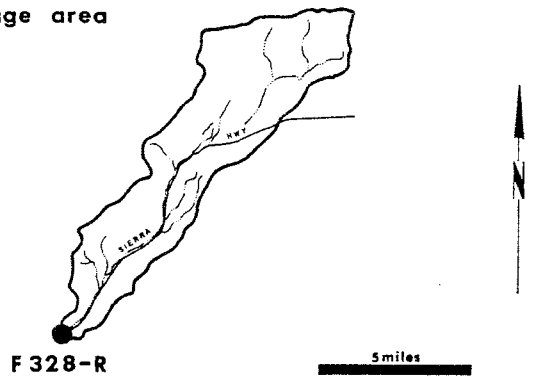


STREAMFLOW AT STA.F319-R



STATION NO. F 328-R
MINT CANYON CREEK
at Fitch Avenue

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from bridge

DRAINAGE AREA – 26.9 square miles

LOCATION – 8.5 miles northeast of Saugus on west end of Fitch Avenue bridge

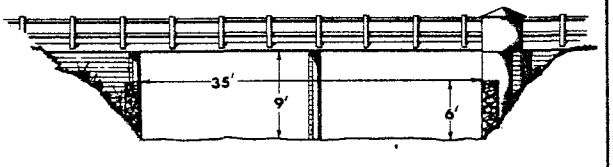
REGULATION – none

CHANNEL – natural, sand and gravel

CONTROL – concrete control at downstream end of bridge

LENGTH OF RECORD – October 26, 1956, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F328-R

DAILY DISCHARGE IN SECOND-FEET OF MINT CANYON CREEK at Fitch Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	+	0	0	0	0	0	0	0
3	0	0	0	0	0.9	0	0	0	0	0	0	0
4	0	0	2.0	0	0.2	0	0	0	0	0	0	0
5	0	0	0	0	0	0.4	0.4	0	0	0	0	0
6	0	0	0	0	0	1.7	1.2	0	0	0	0	0
7	0	0	0	0	0	+	+	0	0	0	0	0
8	0	0	0	0	+	4.4	+	0	0	0	0	0
9	0	0	0	0	+	0	0.8	0	0	0	0	0
10	0	0	0	0	+	+	0	0	0	0	0	0
11	0	0	0	0	0	0	1.5	0	0	0	0	0
12	0	0	0	0	0	0	+	0	0	0	0	0
13	0	0	0	0	0	+	0	0	0	0	0	0
14	0	0	0	0	0	+	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	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
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	0.06	0	0.04	0.21	0.13	0	0	0	0	0
ACRE-FEET	0	0	4.0	0	2.2	13	7.7	0	0	0	0	0

YEAR OR PERIOD MEAN 0.04
ACRE-FEET 27

2059 FCD 10/73

STATION DATA SUMMARY

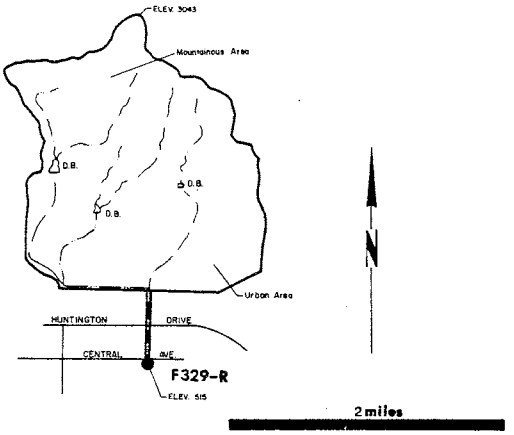
STA. NO. F328-R
MINT CANYON CREEK AT FITCH AVENUE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1957-58	66	0	0.6	435	12	15	708
1958-59	14	0	+	44	1	6	317
1959-60	0.3	0	+	2.0	1	10	8.1
1960-61	3.6	0	+	14	11	5	64
1961-62	49	0	0.4	257	2	11	176
1962-63	3.0	0	+	26	9	18	70
1963-64	13	0	0.1	45	4	1	111
1964-65	17	0	0.1	66	4	8	94
1965-66	71	0	0.8	588	11	17	684
1966-67	14	0	0.1	72	12	3	185
1967-68	13	0	+	34	11	19	251
1968-69	1030	0	4.4	3190	2	25	3500
1969-70	5.0	0	0.1	25	2	28	46
1970-71	85	0	0.4	328	11	29	943
1971-72	5.9	0	0.1	35	12	27	60
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

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

STATION NO. F329-R
BRADBURY CHANNEL
below Central Avenue

drainage area



RECORDER - 15 MINUTE PUNCHED TAPE

METHOD OF MEASUREMENTS - LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM FOOTBRIDGE FOUR FEET DOWNSTREAM FROM RECORDER.

DRAINAGE AREA - 3.3 SQUARE MILES

LOCATION - ON THE EAST WALL OF BRADBURY CHANNEL, 200 FEET DOWNSTREAM FROM THE CENTERLINE OF CENTRAL AVENUE, ONE MILE EAST OF DUARTE.

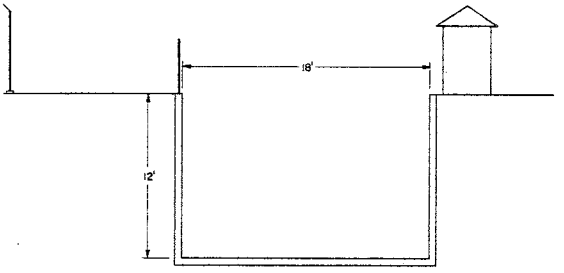
REGULATION - TWO DEBRIS BASINS LOCATED UPSTREAM

CHANNEL - RECTANGULAR CONCRETE, 18 FEET WIDE, 12 FEET DEEP.

CONTROL - CHANNEL FORMS CONTROL

LENGTH OF RECORD - JUNE 14, 1957 TO PRESENT

cross section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F329-R

DAILY DISCHARGE IN SECOND-FEET OF BRADBURY CHANNEL below Central Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 1975

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	+	+	+	+	+	+	+	0.6	1.0	0.1	0.1	0.1
2	+	+	0.1	+	0.9	+	+	0.6	0.6	0.1	0.1	0.1
3	0.1	+	1.0	+	10.6	+	+	0.6	0.6	0.3	0.3	0.1
4	+	+	28	+	0.6	+	+	1.0	0.1	0.3	0.1	0.1
5	+	+	0.6	+	+	7.0	1.0	0.6	0.1	0.1	0.1	0.1
6	+	+	0.6	+	+	2.9	0.6	0.6	0.1	0.3	0.1	0.1
7	1.0	+	0.6	+	+	2.0	+	0.6	0.1	0.6	0.1	0.1
8	0.1	+	0.6	+	+	7.0	1.0	0.6	+	0.3	0.1	0.1
9	+	0	0.6	+	6.9	+	0.6	1.0	+	0.1	+	0.1
10	+	0	0.3	+	2.8	1.0	+	1.0	+	0.1	+	0.3
11	+	0	0.6	+	+	+	+	1.5	+	0.1	+	0.1
12	+	0	0.6	+	+	+	+	1.5	+	0.1	+	0.1
13	+	0	0.3	+	+	2.9	+	0.6	+	0.1	0.1	0.1
14	+	0	0.3	+	0.3	0.6	+	0.6	+	0.1	0.1	+
15	+	+	0.1	+	0.3	0.6	0.3	0.6	+	0.1	0.1	+
16	0.1	+	0.3	+	0.3	0.6	+	0.3	+	0.1	0.1	+
17	+	+	+	+	0.3	0.6	+	0.3	0.3	0.1	0.6	+
18	+	+	+	+	0.1	0.1	+	0.3	0.1	0.1	0.1	0
19	+	+	+	+	+	+	+	0.6	+	0.1	0.1	0
20	+	+	+	+	+	+	+	2.1	0.1	0.3	0.1	+
21	+	+	+	+	+	+	+	0.6	+	0.1	0.1	0.3
22	+	+	0.3	+	+	0.6	+	0.1	+	0.1	0.1	0.3
23	+	+	0.1	+	+	+	+	0.1	+	0.1	0.1	0.1
24	+	+	0.1	+	+	+	+	0.1	+	0.1	0.1	+
25	+	+	0.1	+	+	1.0	0.6	0.1	+	0.1	0.1	+
26	3.8	0	0.1	+	+	+	+	0.1	0.1	+	0.1	+
27	0.3	0	0.1	+	+	+	+	0.1	0.1	+	0.1	0.1
28	+	0	3.8	+	+	+	0.1	+	0.1	+	0.1	1.0
29	+	0	0.6	0.1		+	0.1	0.1	0.1	0.1	0.1	0.3
30	+	0	0.1	0.6		+	0.6	0.1	0.1	1.4	0.1	0.3
31	+		0.1	0.3		+		0.1		0.3	0.1	
MEAN	0.17	+	1.29	0.03	0.82	0.87	0.16	0.55	0.12	0.19	0.11	0.13
ACRE-FEET	11	+	79	2.0	46	53	9.7	34	7.1	12	6.7	7.7

YEAR OR PERIOD MEAN 0.37
ACRE-FEET 268

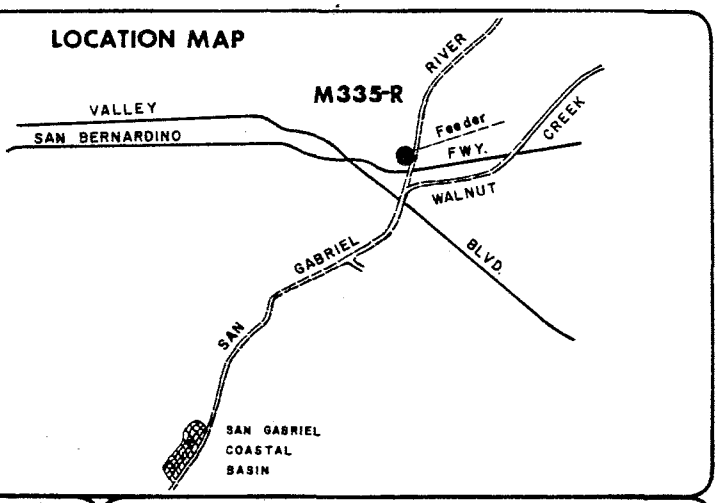
2059 FCD 10/73

STATION DATA SUMMARY

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	DAY	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

STATION NO. M335-R
SAN GABRIEL-MWD OUTLET BELOW RAMONA BOULEVARD



LOCATION: Lat. 34°04'34", Long. 117°59'56" on outlet of The Metropolitan Water Department's middle feeder, near the left (east) bank of the river, about 400 feet south of Ramona Blvd. and 350 feet west of Rivergrade Road.

CHANNEL AND CONTROL: A 73-inch diameter orifice plate.

DISCHARGE MEASUREMENTS: All flows measured by orifice meter with totalizer beginning December 21, 1960.

RECORDER: A weekly Venturi recorder.

RECORDS AVAILABLE: At Station F 335-R, November 30, 1957 to April 13, 1960; at Station M335-R, December 17, 1960 to present.

OPERATION: Located, constructed and operated by The Metropolitan Water District in cooperation with the Los Angeles County Flood Control District. This station is operated solely for the purpose of measuring the delivery of Colorado River water by The Metropolitan Water District to the San Gabriel River.

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	ANNUAL TOTAL A.F.
1957-58	210	0	57.2	41400
1958-59	213	0	41.9	30320
1959-60	246	0	59.5	43190
1960-61	347	0	93.5	67680
1961-62	337	0	186	134510
1962-63	305	0	82.7	59850
1963-64	316	0	81.2	58970
1964-65	344	0	145	104860
1965-66	349	0	101	72830
1966-67	291	0	93.4	67610
1967-68	131	0	50.9	36940
1968-69	190	0	29.5	19990
1969-70	0	0	0	0
1970-71	0	0	0	0
1971-72	0	0	0	0
1972-73	234	0	12.5	9050
1973-74	253	0	24.7	17860
1974-75	18	0	+	35

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO M335-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL-MWD OUTLET below Ramona Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 1975

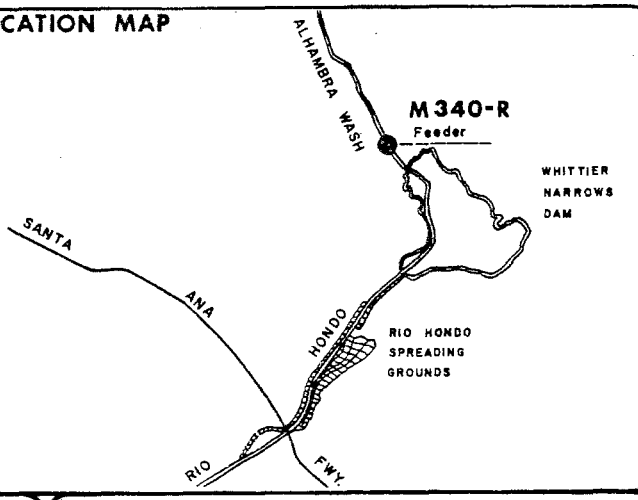
	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	17.6	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	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	0.59	0	0	0	0	0	0	0	0	0	0
ACRE-FEET	0	35	0	0	0	0	0	0	0	0	0	0

YEAR OR PERIOD MEAN 0.05
ACRE-FEET 35

2089 FCD 10/73

STATION NO. M340-R
ALHAMBRA WASH
near Rush Street

LOCATION MAP



LOCATION: Lat. 34°03'06", Long. 118° 04'59", on The Metropolitan Water District middle feeder outlet to Alhambra Wash and on the left (east) side of the channel, 300± feet north of Rush Street, South San Gabriel.

RECORDER: Continuous totalizing recorder with Venturi control.

REGULATION AND DIVERSION: Regulation – Entirely regulated by a gated outlet on The Metropolitan Water District middle feeder.

RECORDS AVAILABLE: March 28, 1958 to present.

OPERATION: Located, constructed, and operated by The Metropolitan Water District in cooperation with the Los Angeles County Flood Control District.

MONTHLY DISCHARGE IN ACRE FEET: Amounts are as of midnight on the last day of the month. Approximate mean daily flows are available at the District office.

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	ANNUAL TOTAL A.F.
1957-58	275	0	87.7	63510
1958-59	259	0	33.3	24090
1959-60	248	0	54.5	39540
1960-61	246	0	97.0	70170
1961-62	243	0	102	73810
1962-63	189	0	28.1	20320
1963-64	235	0	63.3	45920
1964-65	232	0	91.8	66480
1965-66	240	0	85.8	62110
1966-67	225	0	63.9	46260
1967-68	232	0	91.6	66520
1968-69	217	0	17.2	12470
1969-70	198	0	35.6	25800
1970-71	180	0	24.1	17430
1971-72	0	0	0	0
1972-73	200	0	6.2	4520
1973-74	1.6	0	+	3
1974-75	19	0	0.1	68

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO M340-R

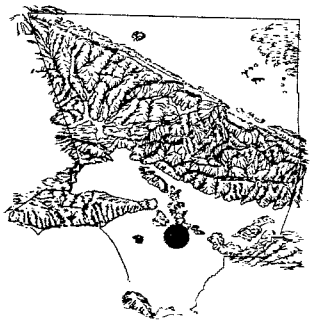
DAILY DISCHARGE IN SECOND-FEET OF ALHAMBRA WASH-MWD OUTLET near Rush Street FOR THE WATER YEAR ENDING SEPTEMBER 30, 1975

	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	8.8	0	0	0	0	0	0	0
4	0	0	0	0	21	0	0	0	0	0	0	0
5	0	0	0	0	3.4	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	1.25	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	1.19	0	0	0	0.04	0	0	0
ACRE-FEET	0	0	0	0	66	0	0	0	2.5	0	0	0

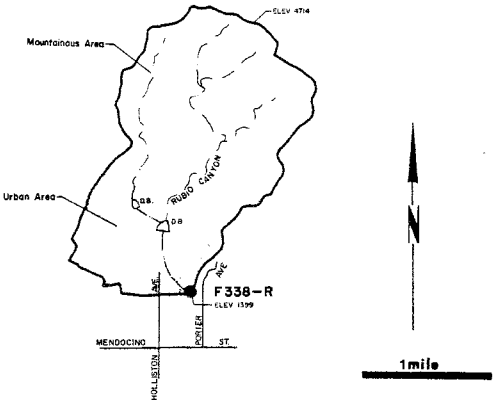
YEAR OR PERIOD MEAN 0.09
ACRE-FEET 68

2059 FCD 10/73

STATION NO. F338-R
RUBIO DIVERSION CHANNEL
below Gooseberry Inlet

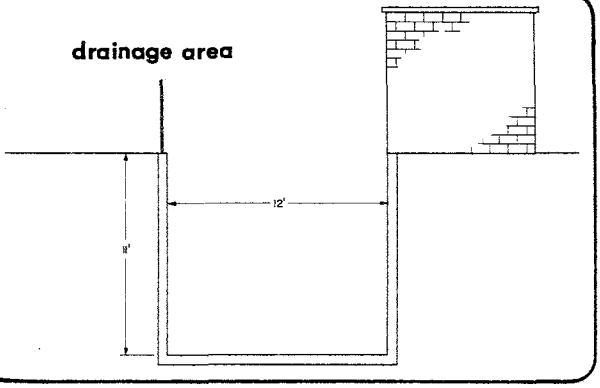


drainage area



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.

drainage area



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F338-R

DAILY DISCHARGE IN SECOND-FEET OF RUBIO DIVERSION CHANNEL below Gooseberry Inlet FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	+	1.0	0.4	0.4	0.4	0.6	1.6	1.0	1.0	0.6	0.6	0.4
2	+	0.4	0.4	0.4	1.4	0.6	1.0	1.0	0.8	0.6	0.6	0.4
3	+	0.4	0.8	0.4	2.5	0.4	1.0	1.0	1.0	0.6	0.6	0.4
4	+	0.4	3.7	0.4	1.8	0.4	1.0	1.2	1.0	0.6	0.6	0.4
5	+	0.4	0.8	0.4	0.8	3.0	3.1	1.0	0.8	0.6	0.6	0.4
6	+	0.4	0.8	0.4	0.6	10.8	2.0	1.2	0.8	0.6	0.6	0.4
7	+	0.2	0.6	0.4	0.6	5.1	1.4	0.8	1.0	0.6	0.6	0.4
8	+	0.4	0.6	0.6	0.6	5.5	1.4	1.0	1.0	0.6	0.6	0.4
9	+	0.2	0.4	+	2.4	4.3	1.4	1.0	1.0	0.6	0.6	0.4
10	+	0.4	0.7	+	1.3	4.3	5.7	1.0	1.0	0.6	0.6	0.4
11	+	0.2	1.0	+	0.8	3.6	3.6	1.0	0.8	0.6	0.6	0.4
12	+	+	0.8	+	0.8	3.6	1.8	1.0	0.8	0.6	0.4	0.4
13	+	+	0.8	+	0.8	5.9	1.6	1.0	0.8	0.6	0.4	0.4
14	+	+	0.8	+	0.8	4.3	1.6	1.0	0.8	0.6	0.4	0.4
15	+	+	0.8	+	0.8	2.0	4.3	1.2	0.8	0.6	0.4	0.4
16	+	0.2	0.6	+	0.8	2.8	1.4	1.0	0.8	0.6	0.4	0.4
17	0.2	0.4	0.6	+	0.8	1.8	1.4	1.0	1.2	0.6	0.4	0.4
18	0.6	0.4	0.6	+	0.8	1.8	1.4	1.0	1.2	0.6	0.4	0.4
19	1.0	0.4	0.6	+	0.8	1.6	1.2	2.0	0.8	0.6	0.4	0.4
20	0.8	0.6	0.6	+	0.8	1.6	1.2	3.6	0.8	0.6	0.4	0.4
21	0.8	1.2	0.6	+	0.8	1.6	1.2	1.2	0.8	0.6	0.4	0.4
22	0.8	1.0	0.6	+	0.6	2.8	1.4	1.2	0.8	0.6	0.4	0.2
23	0.8	0.4	0.4	+	0.6	1.4	1.4	1.2	0.8	0.6	0.4	0.4
24	1.0	0.4	0.4	+	0.6	1.2	1.6	1.0	0.8	0.6	0.4	0.4
25	0.8	0.4	0.4	+	0.6	1.6	1.6	1.4	0.8	0.6	0.4	0.4
26	0.8	0.4	0.4	+	0.6	1.2	1.4	1.2	0.8	0.6	0.4	0.4
27	0.8	0.4	0.4	0.7	0.6	1.0	1.2	1.0	0.8	0.6	0.4	0.4
28	2.0	0.4	2.5	+	0.6	1.2	1.2	1.0	0.6	0.6	0.4	0.2
29	0.6	0.4	0.6	+		1.0	1.0	1.0	0.6	0.6	0.4	0.2
30	0.6	0.4	0.6	0.8		1.0	1.2	1.0	0.6	0.4	0.4	0.2
31	0.6		0.6	0.4		1.6		1.0		0.4	0.4	
MEAN	0.39	0.39	0.77	0.17	0.91	2.57	1.74	1.17	0.85	0.59	0.47	0.37
ACRE-FEET	24	23	47	11	50	158	104	72	71	36	29	22

YEAR OR PERIOD MEAN 0.87
ACRE-FEET 627

2059 FCD 10/73

STATION DATA SUMMARY

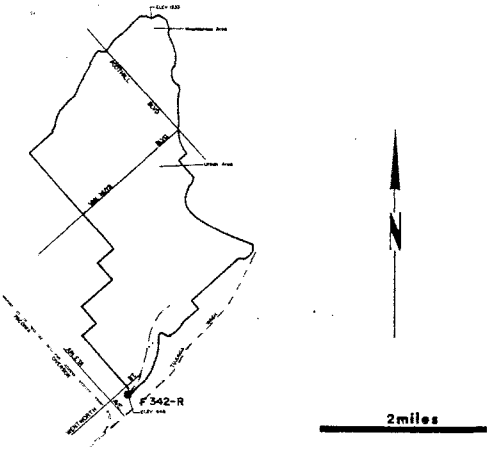
STA NO. F338-R
RUBIO DIVERSION CHANNEL BELOW GOOSEBERRY INLET

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1959-60	0.8	0	0.0	8.8	1	11	8.6
1960-61	0.8	0	0.0	6.0	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	0.0	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

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

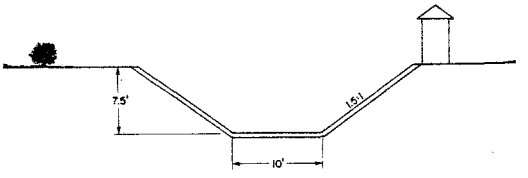
STATION NO. F342-R
BRANFORD STREET CHANNEL
below Sharp Avenue

drainage area



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 1/2 TO 1 SIDE SLOPES.
CONTROL - CHANNEL FORMS CONTROL
LENGTH OF RECORD - JANUARY 12, 1962 TO DATE.

cross section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F342-R

DAILY DISCHARGE IN SECOND-FEET OF BRANFORD STREET CHANNEL below Sharp Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	b 0.1	0.2	b 0.1	+	+	b +	b +	b +	b 0.1	d 0.1	b 0.1	b 0.1
2	b 0.1	b 0.1	b 0.1	+	14.7	b +	b +	b +	b 0.1	d 0.1	b 0.1	b 0.1
3	b 0.1	b 0.1	7.5	+	24	b +	b +	b +	b 0.1	d 0.1	b 0.1	b 0.1
4	b 0.1	b 0.1	45	+	4.7	+	b +	b +	b 0.1	d 0.1	b 0.1	b 0.1
5	b 0.1	b 0.1	b 0.1	+	+	13.3	10.3	b +	b 0.1	d 0.1	b 0.1	b 0.1
6	b 0.1	b 0.1	b 0.1	+	+	75	1.6	b +	b 0.1	d 0.1	b 0.1	b 0.1
7	1.8	b 0.1	b 0.1	+	+	2.2	1.3	b +	b 0.1	d 0.1	b 0.1	b 0.1
8	0.4	b 0.1	b 0.1	+	1.2	21	2.3	b +	b 0.1	d 0.1	b 0.1	b 0.1
9	b 0.1	b 0.1	b 0.1	+	9.6	b 0.1	8.9	b +	b 0.1	d 0.1	b 0.1	b 0.1
10	b 0.1	b 0.1	+	+	1.8	3.4	b +	b +	b 0.1	d 0.1	b 0.1	b 0.1
11	b 0.1	b 0.1	+	+	+	0.2	6.0	b +	b 0.1	d 0.1	b 0.1	b 0.1
12	b 0.1	b 0.1	+	+	+	b 0.1	b 0.1	b +	d 0.1	d 0.1	b 0.1	b 0.1
13	b 0.1	b 0.1	+	+	+	3.3	b +	d 0.1	d 0.1	d 0.1	b 0.1	b 0.1
14	b 0.1	b 0.1	+	+	+	0.4	b +	b +	d 0.1	d 0.1	b 0.1	b 0.1
15	b 0.1	b 0.1	+	+	+	b 0.1	8.3	b +	d 0.1	d 0.1	b 0.1	b 0.1
16	b 0.1	b 0.1	+	+	+	0.3	b 0.1	b +	d 0.1	d 0.1	b 0.1	b 1.1
17	b 0.1	b 0.1	+	+	+	b 0.1	b +	b +	d 0.1	d 0.1	b 0.1	b 0.1
18	b 0.1	b 0.1	+	+	+	b 0.1	b +	b +	d 0.1	d 0.1	b 0.2	b 0.1
19	b 0.1	b 0.1	+	+	+	b 0.1	b +	b +	d 0.1	d 0.1	b 0.1	b 0.1
20	b 0.1	b 0.1	+	+	+	b 0.1	b +	b +	d 0.1	d 0.1	b 0.1	b 0.1
21	b 0.1	b 0.1	b 0.1	+	+	b 0.1	b +	b +	d 0.1	d 0.1	b 0.1	b 0.1
22	b 0.1	0.2	+	+	+	13.3	b +	b +	d 0.1	d 0.1	b 0.1	b 0.1
23	b 0.1	b 0.1	b 0.1	+	+	b 0.1	b +	b +	d 0.1	d 0.1	b 0.1	b 0.1
24	b 0.1	b 0.1	+	+	+	b 0.1	b +	b +	d 0.1	d 0.1	b 0.2	b 0.1
25	b 0.1	b 0.1	+	+	+	b 0.1	b +	b +	d 0.1	d 0.1	b 0.1	b 0.1
26	b 0.1	b 0.1	b 0.1	+	+	b 0.1	b +	b +	d 0.1	d 0.1	b 0.1	b 0.1
27	b 0.1	b 0.1	b 0.1	+	+	b 0.1	b +	b +	d 0.1	d 0.1	b 0.1	b 0.1
28	6.3	b 0.1	24	+	+	b 0.1	b +	b +	d 0.1	d 0.1	b 0.1	b 0.1
29	b 0.1	b 0.1	0.4	+		b 0.1	b +	b +	d 0.1	d 0.1	b 0.1	b 0.1
30	b 0.1	b 0.1	b 0.1	1.1		b 0.1	b +	b 0.1	d 0.1	d 0.1	b 0.1	b 0.1
31	b 0.1		+	+		b 0.1		b 0.1		d 0.1	b 0.1	
MEAN	0.36	0.11	2.52	+	2.00	4.33	1.30	+	0.10	0.10	0.11	0.13
ACRE-FEET	22	6.3	155	2.2	112	266	77	0.4	6.0	6.1	6.6	7.9

YEAR OR PERIOD MEAN 0.92
ACRE-FEET 666

2059 FCD 10/73

STATION DATA SUMMARY

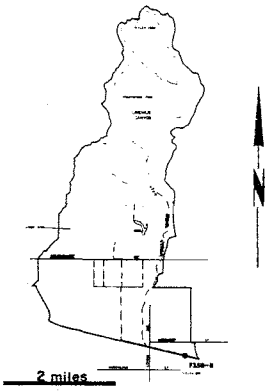
STA. NO. F342-R
BRANFORD STREET CHANNEL BELOW SHARP AVENUE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	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

* = RECORD INCOMPLETE

STATION NO. F350-R
LIMEKILN CREEK
above Aliso Creek

drainage area



RECORDER - 15 MINUTE PUNCHED TAPE

METHOD OF MEASUREMENT - LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM A STEEL FOOTBRIDGE 10 FEET ABOVE THE GAGE.

DRAINAGE AREA - 10.3 SQUARE MILES

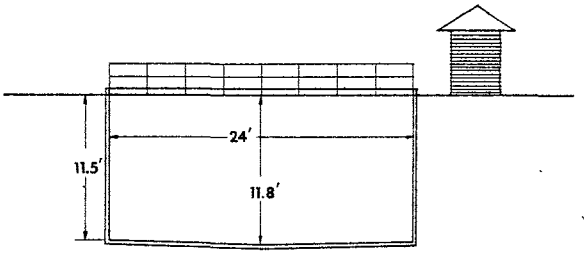
LOCATION - ON THE SOUTH BANK 1400 FEET ABOVE ALISO CREEK AND ONE MILE WEST OF NORTHRIDGE.

REGULATION - FLOW PARTLY REGULATED BY LIMEKILN DEBRIS BASIN.

CHANNEL - RECTANGULAR CONCRETE

LENGTH OF RECORD - SEE STATION SUMMARY

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F350-R

DAILY DISCHARGE IN SECOND-FEET OF LIMEKILN CREEK above Aliso Creek FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	.3	+	.2	+	+	.1	+	.2	.2	.2	.3	.4
2	.2	.1	.1	+	49.7	.1	.1	.2	.2	.2	.3	.4
3	.1	.1	13.6	.1	19.4	.1	.1	.2	.2	.2	.3	.4
4	.1	.1	119	.1	18.1	.1	.1	.1	.2	.3	.3	.4
5	.1	.1	.1	.1	.1	118	39.3	.1	.2	.2	.3	.4
6	.1	.1	+	+	+	40.7	5.8	.1	.2	.2	.3	.4
7	20.3	.2	+	+	+	11.8	.2	.1	.2	.2	.3	.3
8	.4	.1	.2	+	3.6	54.0	5.6	.1	.2	.2	.3	.3
9	.1	.1	+	+	35.0	.3	15.1	.1	.2	.2	.3	.3
10	.1	.1	.1	+	2.4	25.3	+	.2	.2	.2	.3	.3
11	.1	.2	.1	.1	+	.3	+	.2	.1	.2	.3	.3
12	.2	.1	.1	+	+	.1	.1	.2	.1	.3	.2	.3
13	.2	.1	.1	.1	+	3.4	+	.1	.2	.2	.3	.3
14	.3	.1	.1	.1	+	.4	+	.1	.1	.2	.3	.3
15	.3	.1	.1	.1	+	+	.8	.1	.1	.2	.3	.3
16	.3	.1	.1	.1	+	.5	+	.1	.2	.2	.3	.3
17	.3	.1	.1	+	+	+	+	.2	.1	.2	.2	.3
18	.3	.1	.1	.1	.1	+	+	.1	.1	.2	.3	.3
19	.3	.2	.1	.1	.1	+	.1	.1	.2	.3	.3	.3
20	.3	.5	.1	.1	.1	+	.1	.1	.1	.2	.3	.3
21	.2	.2	.1	.1	+	+	+	.1	.2	.3	.3	.3
22	.2	.2	+	+	.1	16.8	.1	.1	.2	.2	.2	.3
23	.2	.1	.4	.1	.1	+	.1	.1	.2	.3	.3	.3
24	.2	.2	+	.1	.1	+	.1	.2	.1	.4	.2	.3
25	.2	.2	+	.1	.1	+	.1	.1	.2	.4	.3	.3
26	.2	.2	.1	.1	.1	+	.1	.1	.2	.4	.3	.3
27	.2	.2	.1	.4	.1	.1	.1	.1	.3	.4	.4	.3
28	12.8	.1	37.5	.1	.1	+	.1	.2	.2	.4	.3	.3
29	+	.1	.2	.1		+	.2	.2	.2	.3	.3	.3
30	+	.2	+	.5		.1	.2	.2	.2	.3	.3	.3
31	+		+	.1		+		.2		.3	.4	
MEAN	1.2	0.1	5.6	0.1	4.6	8.8	2.3	0.1	0.2	0.3	0.3	0.3
ACRE-FEET	76.5	8.5	342	5.6	256	540	136	8.5	10.5	15.9	18.0	19.0

YEAR OR PERIOD MEAN 1.99
ACRE-FEET 1440

2089 FCD 10/73

STATION DATA SUMMARY

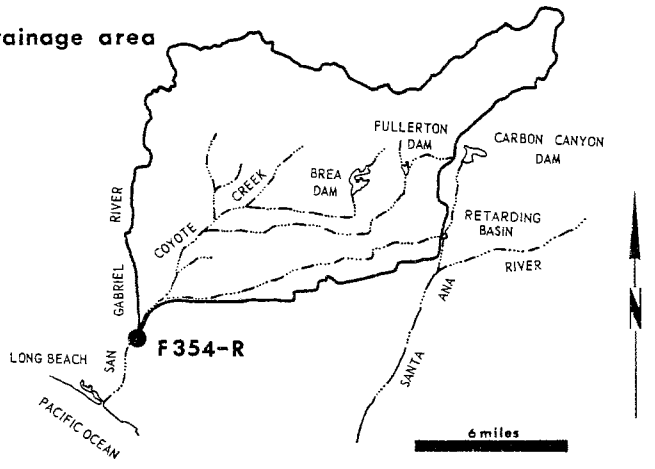
STA. NO. F350-R
LIMEKILN CREEK ABOVE ALISO CREEK

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1961-62 A	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

\+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0
* = RECORD INCOMPLETE
** = RECORD NOT COMPUTED
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.

STATION NO. F 354 - R
COYOTE CREEK
below Spring Street

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 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

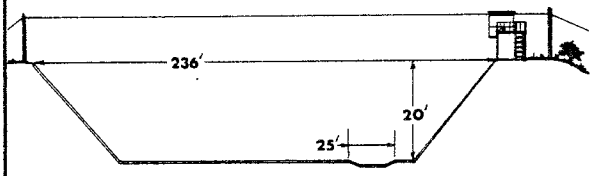
CHANNEL – concrete, trapezoidal in section

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

cross-section



STATION DATA SUMMARY

STA. NO. F354-R
COYOTE CREEK BELOW SPRING STREET

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1963-64	1190	+	10.9	7950	11	15	N.D.
1964-65	800	0.3	16.9	12220	4	9	3350
1965-66	1830	1.7	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

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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F354-R

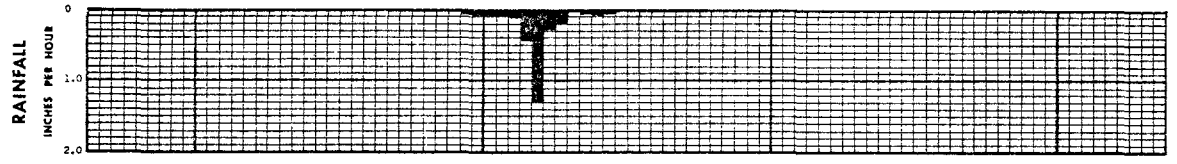
DAILY DISCHARGE IN SECOND-FEET OF COYOTE CREEK Below Spring Street FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	5.5	4.3	4.3	6.2	4.6	a 4.0	5.2	3.7	6.2	7.5	6.2	8.8
2	7.5	3.1	4.3	5.5	8.1	a 4.0	4.6	4.3	8.1	6.8	6.2	6.2
3	8.8	3.7	5.5	5.5	1280	a 4.0	4.6	4.6	6.2	6.8	6.2	5.2
4	7.5	3.4	3130	5.2	231	a 4.0	4.6	6.8	4.9	6.8	6.8	4.9
5	8.8	3.4	153	5.2	47	a 300	54	4.9	5.2	6.2	5.2	6.2
6	10.1	3.4	27	4.9	7.5	a 687	86	4.9	4.9	7.5	6.2	7.5
7	25	4.0	6.2	5.5	5.2	60	13.3	5.2	5.2	6.8	5.5	6.8
8	8.1	4.3	4.0	5.5	4.6	1190	123	6.2	5.5	6.8	5.5	8.1
9	3.7	4.0	3.7	5.2	1600	55	173	6.2	4.9	6.8	6.8	5.5
10	2.5	4.0	3.7	4.9	205	395	4.9	8.8	4.3	8.8	5.2	4.9
11	3.4	4.6	4.3	5.2	10.7	64	3.7	8.8	4.3	8.8	6.2	4.6
12	3.1	4.0	a 4.3	5.5	10.7	14.6	3.7	8.1	4.6	8.8	5.2	5.2
13	4.0	4.6	a 4.6	6.2	6.2	16	3.7	9.4	4.6	9.4	4.9	7.5
14	5.2	4.6	a 4.6	5.5	7.5	146	3.7	9.4	4.9	10.1	4.9	6.2
15	4.6	5.2	a 4.6	9.4	5.5	11.4	71	8.8	4.6	8.8	4.9	5.2
16	5.2	5.2	a 4.6	5.5	5.6	16	8.1	10.1	4.6	6.8	6.2	6.2
17	6.2	4.6	a 4.6	4.6	5.2	8.1	24	13.3	7.5	6.8	7.5	6.8
18	7.5	4.3	a 4.6	4.3	8.1	5.2	3.7	19.9	4.6	6.8	5.5	7.5
19	5.2	4.0	a 4.6	4.6	6.2	4.6	3.4	13.3	4.6	8.8	5.2	7.5
20	5.5	5.5	a 4.9	4.0	6.8	4.3	4.0	36	6.2	8.8	5.5	8.1
21	5.2	4.3	5.2	3.7	6.2	4.3	4.0	8.8	7.5	8.8	5.5	8.1
22	4.0	10.1	4.9	4.0	4.3	307	5.5	6.2	7.5	6.8	4.9	8.1
23	6.2	4.3	4.3	3.4	4.3	4.9	3.4	6.2	6.8	5.5	5.5	5.2
24	4.3	4.6	4.9	3.4	4.6	4.9	3.7	5.5	5.5	5.2	6.2	5.2
25	3.7	8.1	4.3	3.4	5.5	4.3	38	6.8	6.8	5.2	6.8	5.2
26	4.0	3.7	4.0	3.1	4.6	4.3	4.0	9.4	8.1	5.2	6.2	5.2
27	3.4	4.9	4.6	2.5	4.6	4.0	4.0	7.5	8.8	5.2	5.5	4.9
28	313	6.2	446	2.3	4.0	4.0	8.1	5.2	6.8	6.2	5.2	4.6
29	38	6.2	150	2.3		4.0	8.1	5.5	6.8	5.5	5.5	3.7
30	4.0	4.0	6.2	46		4.9	5.2	5.2	5.2	8.1	5.5	3.7
31	3.1		12	31		10.1		5.2		7.5	6.8	
MEAN	17.0	4.69	130	6.89	125	108	22.9	8.52	5.86	7.29	5.79	6.09
ACRE-FEET	1040	279	8000	424	6950	6640	1360	524	348	448	356	363

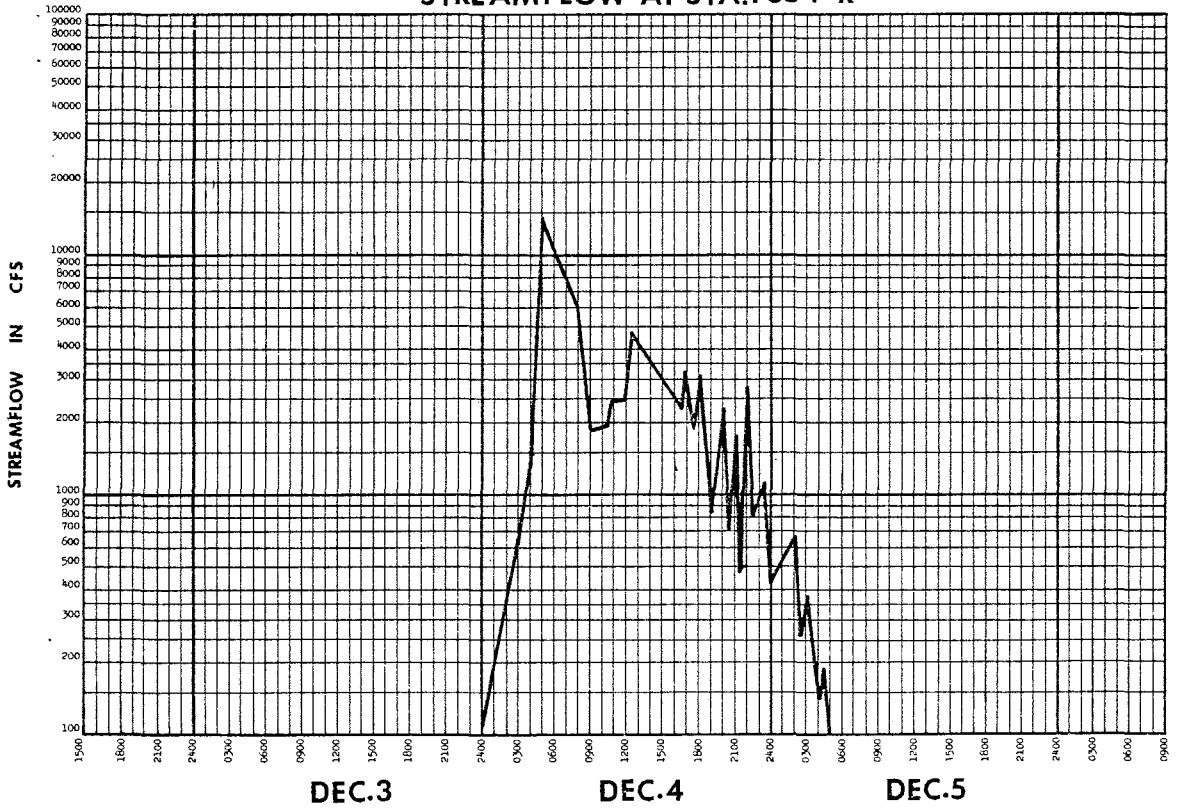
YEAR OR PERIOD MEAN 36.9
ACRE-FEET 26,700

2059 FCD 10/73

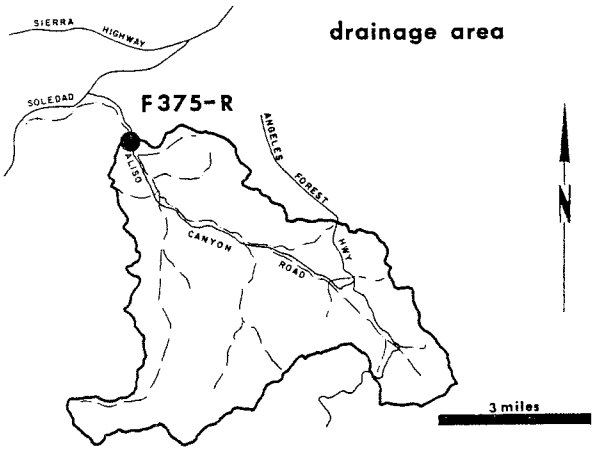
RAINFALL AT STA.156



STREAMFLOW AT STA.F354-R



STATION NO. F 375 - R
ALISO CREEK
at Blum Ranch



RECORDER - continuous water stage

METHOD OF MEASUREMENTS - wading

DRAINAGE AREA - 23.7 square miles

LOCATION - at Aliso Canyon road crossing, 2.0 miles east of Acton

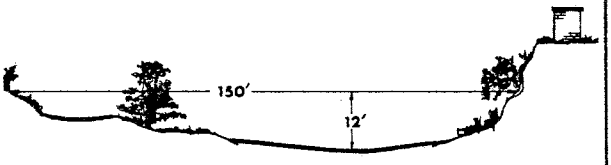
REGULATION - none

CHANNEL - natural, rock, sand and gravel

CONTROL - asphalt covered, concrete dip crossing

LENGTH OF RECORD - January 20, 1966, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F375-R

DAILY DISCHARGE IN SECOND-FEET OF ALISO CANYON CREEK at Blum Ranch FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	0	+	0	0	0	0	d 0.2	d 0.2	0	0	0	0
2	0	0	0	0	+	0	d 0.2	d 0.2	0	0	0	0
3	0	0	e +	0	8.6	0	d 0.3	d 0.2	0	0	0	0
4	0	0	e 6.6	0	d 2.6	0	d 0.3	d 0.2	0	0	0	0
5	0	0	e 4.5	0	d 0.8	+	d 0.3	d 0.1	0	0	0	0
6	0	0	e 3.7	0	d 0.1	d 9.1	d 0.4	d 0.1	0	0	0	0
7	+	0	e 3.0	0	+	d 12	d 0.4	d 0.1	0	0	0	0
8	0	0	e 2.2	0	+	d 13	d 0.4	d 0.1	0	0	0	0
9	0	0	e 1.5	0	+	d 3.0	d 0.4	d +	0	+	0	0
10	0	0	e 0.7	0	0.1	d 2.0	d 0.4	d +	0	0	0	0
11	0	0	0	0	0.1	d 1.8	d 0.4	0	0	0	0	0
12	0	0	0	0	0.1	d 1.6	d 0.4	0	0	0	0	0
13	0	0	0	0	0.1	d 1.4	d 0.5	0	0	0	0	0
14	0	0	0	0	0.1	d 1.2	d 0.5	0	0	0	0	0
15	0	0	0	0	e +	d 1.0	d 0.5	0	0	0	0	0
16	0	0	0	0	e +	d 0.8	d 0.5	0	0	0	0	0
17	0	0	0	0	0	d 0.6	d 0.5	0	0	0	0	0
18	0	0	0	0	0	d 0.4	d 0.5	0	0	0	0	0
19	0	0	0	0	0	d 0.2	d 0.5	0	0	0	0	0
20	0	0	0	0	0	0	d 0.4	0	0	0	0	0
21	0	0	0	0	0	0	d 0.4	0	0	0	0	0
22	0	0	0	0	0	d +	d 0.3	0	0	0	0	0
23	0	0	0	0	0	d +	d 0.3	0	0	0	0	0
24	0	0	0	0	0	d +	d 0.3	0	0	0	0	0
25	0	0	0	0	0	d +	d 0.3	0	0	0	0	0
26	0	0	0	0	0	d +	d 0.3	0	0	0	0	0
27	0	0	0	0	0	d +	d 0.3	0	0	0	0	0
28	0	0	e +	0	0	d 0.1	d 0.3	0	0	0	0	0
29	0	0	0	0		d 0.1	d 0.2	0	0	0	0	0
30	0	0	0	0		d 0.1	d 0.2	0	0	0	0	0
31	0		0	0		d 0.2		0		0	0	
MEAN	+	+	0.72	0	0.45	1.57	0.36	0.04	0	+	0	0
ACRE-FEET	+	+	44	0	25	96.4	22	2.4	0	+	0	0

YEAR OR PERIOD MEAN 0.26
ACRE-FEET 190

2059 FCD 10/73

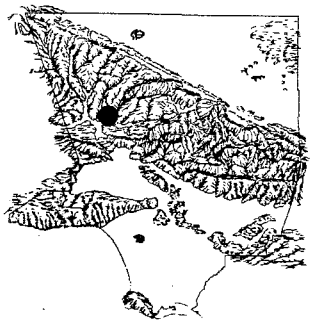
STATION DATA SUMMARY

STA. NO. F375-R
ALISO CREEK AT BLUM RANCH

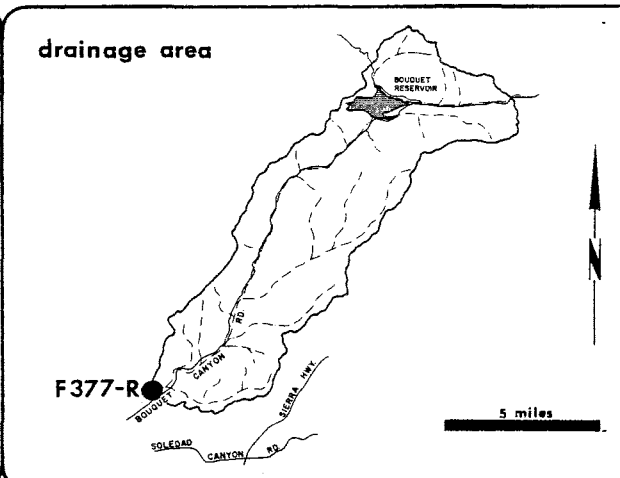
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1965-66	10	0	N.D.	N.D.	12	29	555
1966-67	88	0	3.3	2400	12	6	219
1967-68	25	0	0.7	481	11	19	116
1968-69	684	0	15.8	11410	1	25	2110
1969-70	43	0	1.2	834	3	2	105
1970-71	162	0	1.1	787	11	29	406
1971-72	20	0	0.2	148	12	24	54
1972-73	286	0	1.8	1320	2	11	704
1973-74	30	0	0.6	431	3	2	73
1974-75	13	0	0.3	190	3	8	30

N.D. = NOT DETERMINED

STATION NO. F 377-R
BOUQUET CANYON CREEK at Urbandale Avenue



drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from bridge

DRAINAGE AREA - 51.9 square miles

LOCATION – Bouquet Canyon Creek at Urbandale Avenue, 3.5 miles northeast of Sougus

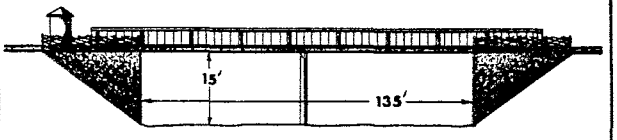
REGULATION – Bouquet Reservoir

CHANNEL – concrete sides with natural bottom, trapezoidal in section

CONTROL – concrete stabilizer

LENGTH OF RECORD - October 11, 1967 to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F377-R

DAILY DISCHARGE IN SECOND-FEET OF BOUQUET CANYON CHANNEL at Urbandale Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	0	0	0	0	0	0	a 0	a 0	a 0	a 0	a 0	a 0
2	0	0	0	0	0.2	0	a 0	a 0	a 0	a 0	a 0	a 0
3	0	0	+	0	0.9	0	a 0	a 0	a 0	a 0	a 0	a 0
4	0	0	7.0	0	+	0	a 0	a 0	a 0	a 0	a 0	a 0
5	0	0	0	0	0	11	a 0	a 0	a 0	a 0	a 0	a 0
6	+	0	0	0	0	9.7	a 0	a 0	a 0	a 0	a 0	a 0
7	0.4	0	0	0	0	0.1	a 0	a 0	a 0	a 0	a 0	a 0
8	0	0	0	0	+	7.8	a 0	a 0	a 0	a 0	a 0	a 0
9	0	0	0	0	+	0	a 0	a 0	a 0	a 0	a 0	a 0
10	0	0	0	0	+	0.3	a 0	a 0	a 0	a 0	a 0	a 0
11	0	0	0	0	0	0	a 0	a 0	a 0	a 0	a 0	a 0
12	0	0	0	0	0	0	a 0	a 0	a 0	a 0	a 0	a 0
13	0	0	0	0	0	+	a 0	a 0	a 0	a 0	a 0	a 0
14	0	0	0	0	0	+	a 0	a 0	a 0	a 0	a 0	a 0
15	0	0	0	0	0	0	a 0	a 0	a 0	a 0	a 0	a 0
16	0	0	0	0	0	0	a 0	a 0	a 0	a 0	a 0	a 0
17	+	0	0	0	0	0	a 0	a 0	a 0	a 0	a 0	a 0
18	+	0	0	0	0	0	a 0	a 0	a 0	a 0	a 0	a 0
19	+	0	0	0	0	0	a 0	a 0	a 0	a 0	a 0	a 0
20	0	0	0	0	0	0	a 0	a 0	a 0	a 0	a 0	a 0
21	0	0	0	0	0	0	a 0	a 0	a 0	a 0	a 0	a 0
22	0	0	0	0	0	+	a 0	a 0	a 0	a 0	a 0	a 0
23	0	0	0	0	0	0	a 0	a 0	a 0	a 0	a 0	a 0
24	0	0	0	0	0	0	a 0	a 0	a 0	a 0	a 0	a 0
25	0	0	0	0	0	0	a 0	a 0	a 0	a 0	a 0	a 0
26	0	0	0	0	0	0	a 0	a 0	a 0	a 0	a 0	a 0
27	0	0	0	0	0	0	a 0	a 0	a 0	a 0	a 0	a 0
28	+	0	0.6	0	0	0	a 0	a 0	a 0	a 0	a 0	a 0
29	0	0	0.1	0		0	a 0	a 0	a 0	a 0	a 0	a 0
30	0	0	0	0		0	a 0	a 0	a 0	a 0	a 0	a 0
31	0		0	0		0		a 0		a 0	a 0	
MEAN	0.01	0	0.25	0	0.04	0.93	0	0	0	0	0	0
ACRE-FEET	0.8	0	15.3	0	2.2	57	0	0	0	0	0	0

YEAR OR PERIOD MEAN 0.10
ACRE-FEET 76

2059 FCD 10/73

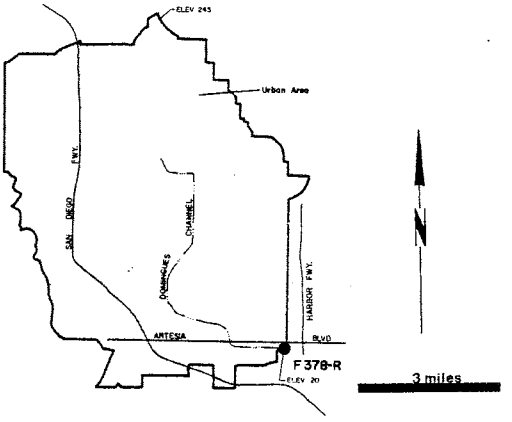
STATION DATA SUMMARY

STA. NO. F377-R
BOUQUET CANYON CREEK AT URBANDALE AVENUE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1967-68	66	0	1.1	823	11	19	713
1968-69	528	0	3.4	2450	2	25	3256
1969-70	11	0	0.1	11	3	1	20
1970-71	30	0	2.2	1290	12	18	273
1971-72	36	0	0.7	499	12	27	101
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

STATION NO. F378-R
DOMINGUEZ CHANNEL
at Vermont Avenue

drainage area



RECORDER - CONTINUOUS WATER STAGE

METHOD OF MEASUREMENTS - LOW FLOWS BY WADING. HIGH FLOWS 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.

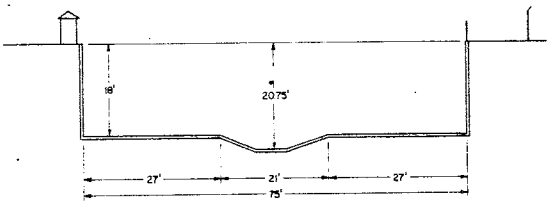
REGULATION - NONE

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.

cross section



STATION DATA SUMMARY

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	DAY	CFS
1966-67	1220	0.8	19.2	13860	11	7	4550
1967-68	1920	1.0	18.2	13240	3	7	10500
1968-69	2090	1.0	28.8	20850	1	20	12320
1969-70	402	1.0	7.9	5750	1	16	3762
1970-71	1140	1.0	15.8	11472	11	29	6540
1971-72				**	12	27	11585
1972-73	824	0.7	14.5	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

** = RECORD NOT COMPUTED

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F378-R

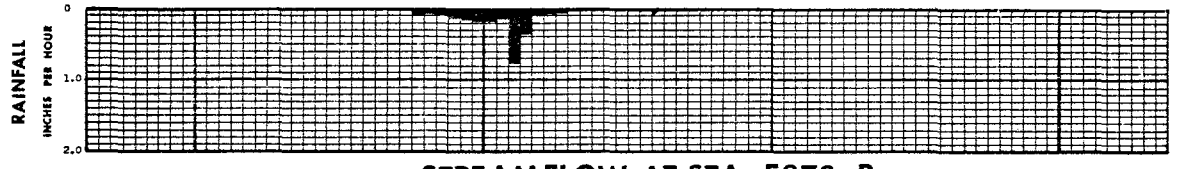
DAILY DISCHARGE IN SECOND-FEET OF DOMINGUEZ CHANNEL at Vermont Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	2.6	2.3	3.3	1.4	1.3	0.9	1.2	a 1.5	1.1	2.0	2.4	2.4
2	2.7	1.5	4.1	1.5	57	0.8	1.0	a 1.5	1.3	2.0	2.6	2.4
3	2.9	1.5	47	2.2	455	1.2	1.1	a 1.4	1.4	2.2	2.3	3.1
4	2.9	1.4	1280	1.6	62	1.0	1.2	a 1.4	1.5	2.2	1.8	2.9
5	2.4	1.3	6.1	1.3	12	68	50	a 1.3	1.3	2.0	1.7	2.7
6	2.7	1.1	2.1	5.0	1.3	171	26	a 1.2	1.1	2.0	2.0	2.6
7	5.1	1.3	1.7	4.1	1.5	67	2.1	a 1.2	1.1	1.7	2.1	2.3
8	2.1	1.3	1.6	2.4	1.0	212	50	1.1	1.1	1.8	2.9	2.1
9	2.0	2.1	1.8	1.7	546	2.3	74	1.2	1.2	1.6	3.3	2.3
10	2.0	1.8	2.7	1.4	66	122	1.5	1.3	1.1	2.0	2.1	2.3
11	1.8	4.5	2.6	1.6	2.7	17.3	1.2	1.5	1.3	2.1	2.9	2.2
12	2.2	4.1	1.3	2.0	1.4	2.3	1.0	1.5	1.5	2.7	2.2	2.2
13	1.5	5.5	2.0	1.8	1.3	8.5	0.9	2.2	1.5	2.9	2.6	2.3
14	1.3	5.5	1.2	1.7	1.5	17.2	1.2	1.8	1.3	2.6	1.8	2.2
15	1.3	1.8	1.2	2.0	0.9	1.2	24	2.0	1.5	2.9	2.0	1.8
16	1.7	5.3	1.2	1.4	1.0	15.5	1.0	1.8	1.0	2.9	2.1	1.4
17	1.8	15.0	1.4	1.4	1.5	1.3	30	2.2	1.3	2.3	2.1	2.0
18	1.3	12.0	2.3	1.4	1.2	1.0	1.3	1.7	1.5	2.1	1.8	2.3
19	2.2	2.1	11.0	1.8	1.3	1.3	0.9	1.3	1.8	1.7	2.0	2.1
20	2.1	1.3	5.3	1.8	1.3	1.3	0.8	2.1	1.7	2.3	2.0	2.6
21	1.5	1.4	1.5	1.7	0.7	1.0	0.7	1.5	2.0	1.8	1.6	1.3
22	1.1	2.6	a 1.8	1.6	0.6	177	1.0	1.5	2.6	1.6	2.1	1.3
23	1.7	1.5	a 2.1	2.0	0.8	1.3	0.6	1.8	2.7	1.5	2.2	1.3
24	1.7	1.4	a 2.3	1.6	0.9	1.0	0.9	1.6	2.4	1.8	1.7	2.0
25	1.8	1.4	a 2.6	1.3	0.7	1.0	6.5	1.7	2.2	1.8	1.7	2.4
26	1.6	3.5	a 2.9	1.3	0.9	0.7	1.4	2.0	2.7	2.2	1.7	2.3
27	1.6	1.7	3.2	1.2	0.9	0.8	1.4	1.2	2.6	2.3	2.1	2.2
28	166	2.0	525	1.0	1.4	1.2	1.6	1.3	2.6	1.8	2.1	2.0
29	6.5	1.8	32	1.2		1.0	1.4	1.3	2.4	1.7	2.7	2.7
30	2.3	3.5	8.4	2.3		1.1	1.6	1.5	1.8	2.3	3.5	3.5
31	1.8		30	1.5		1.8		1.2		2.1	2.3	
MEAN	8.97	3.11	64.2	1.81	43.7	29.1	9.58	1.54	1.69	2.09	2.21	2.24
ACRE-FEET	552	185	3950	111	2430	1790	570	95	100	129	136	133

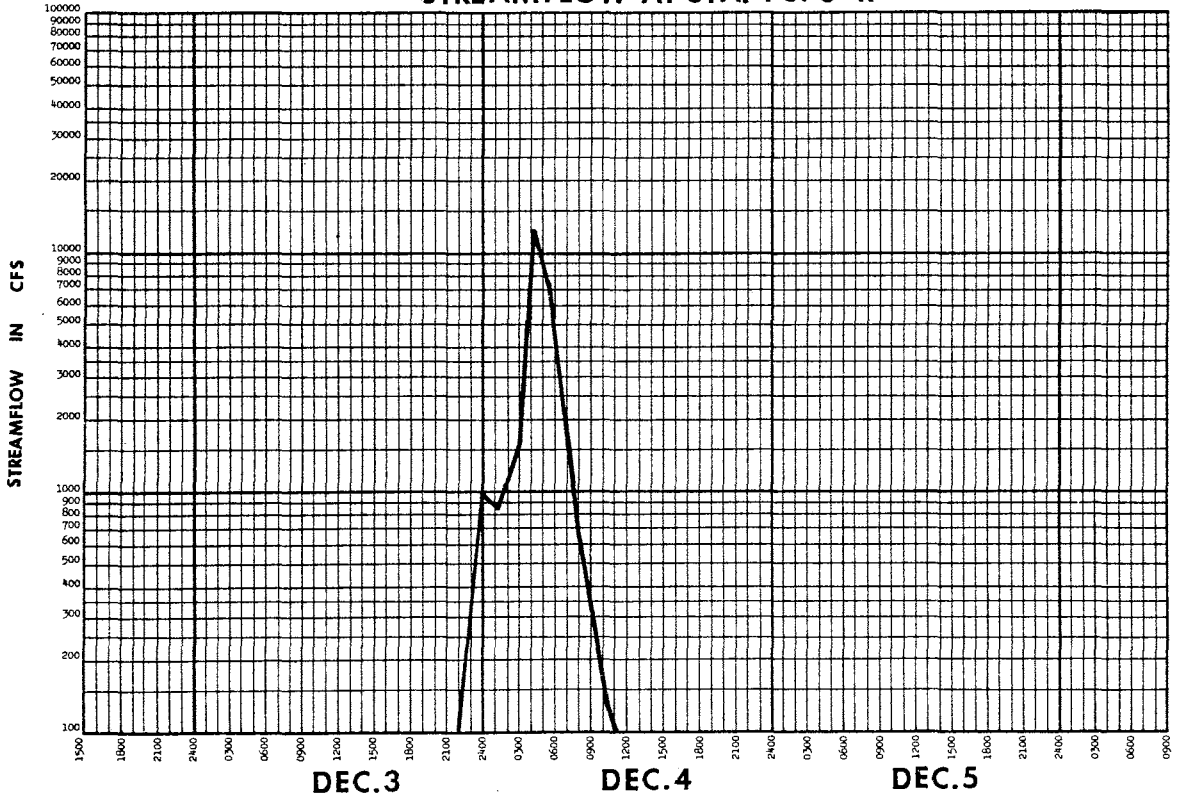
YEAR OR PERIOD MEAN 14.1
ACRE-FEET 10180

2058 KCD 10/73

RAINFALL AT STA. 734

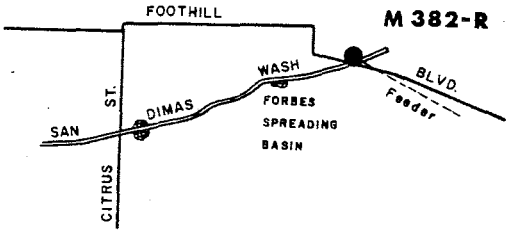


STREAMFLOW AT STA. F378-R



STATION NO. M382-R
SAN DIMAS WASH-MWD OUTLET above Foothill Boulevard

LOCATION MAP



LOCATION: Lat. 34°07'34", Long. 117°47'41", on the right, (west) bank at the inlet structure of the paved channel and about 1,250 feet above Foothill Boulevard; about 2 miles north of San Dimas. Elevation of outlet approximately 1,078.5 feet.

RECORDER: Continuous totalizing recorder with Venturi control.

REGULATION: Entirely regulated by gated outlet on The Metropolitan Water District upper feeder.

RECORDS AVAILABLE: October 29, 1968 to present.

OPERATION: Located, constructed, and operated by The Metropolitan Water District in cooperation with the Los Angeles County Flood Control District.

STATION DATA SUMMARY

STA. NO. M382-R
SAN DIMAS WASH - MWD OUTLET ABOVE FOOTHILL BOULEVARD

YEAR	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	ANNUAL TOTAL A.F.
1968-69	76	0	0.6	411
1969-70	120	0	59.5	43060
1970-71	204	0	75.7	54850
1971-72	230	0	47.0	34140
1972-73	230	0	108	78430
1973-74	220	0	102	74140
1974-75	231	0	57.7	41810

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO M382-R

DAILY DISCHARGE IN SECOND-FEET OF SAN DIMAS WASH-MWD OUTLET above Foothill Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 1975

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	0	0	0	180	177	190	92	84
2	0	0	0	0	0	0	0	180	177	195	92	82
3	0	0	0	0	0	0	0	180	180	122	92	88
4	72	0	0	0	0	0	0	180	192	79	92	88
5	139	0	0	0	0	0	0	180	192	91	92	91
6	139	0	0	0	0	0	0	179	192	92	88	87
7	99	0	0	0	0	0	0	179	192	92	72	87
8	0	0	0	0	0	0	0	179	192	92	66	80
9	76	0	0	0	0	0	0	174	201	92	83	84
10	138	0	0	0	0	0	0	178	212	92	92	91
11	81	0	0	0	0	0	0	178	212	92	92	89
12	39	0	0	0	0	0	0	178	211	92	92	89
13	39	0	0	0	0	0	0	180	212	92	91	89
14	39	0	0	0	0	0	0	170	212	92	91	89
15	24	0	0	0	0	0	0	111	212	92	91	89
16	0	0	0	0	0	0	0	176	203	92	91	91
17	0	0	0	0	0	0	0	176	199	92	91	91
18	0	0	0	0	0	0	0	176	199	91	90	91
19	0	0	0	0	0	0	0	169	199	91	89	91
20	0	0	0	0	0	0	0	181	199	91	89	91
21	0	0	0	0	0	0	0	181	199	92	82	91
22	0	0	0	0	0	0	0	172	192	29	84	89
23	0	0	0	0	0	0	0	164	187	0	89	87
24	0	0	0	0	0	0	0	146	185	0	89	161
25	0	0	0	0	0	0	0	146	188	63	15	231
26	0	0	0	0	0	0	0	146	144	92	0	226
27	0	0	0	56	0	0	93	147	167	92	0	226
28	0	0	0	78	0	0	153	147	176	92	0	231
29	0	0	0	0	0	0	174	148	175	92	29	186
30	0	0	0	0		0	184	170	176	92	92	52
31	0		0	0		0		178		92	92	
MEAN	28.5	0	0	4.32	0	0	20.1	169	192	90	75.5	111
ACRE-FEET	1760	0	0	266	0	0	1200	10370	11410	5530	4640	6630

MEAN	66.2	104	76.6	77.6	50	44.5	58.1	1.65
ACRE-FEET	4070	6220	4710	4770	2770	2740	3460	101

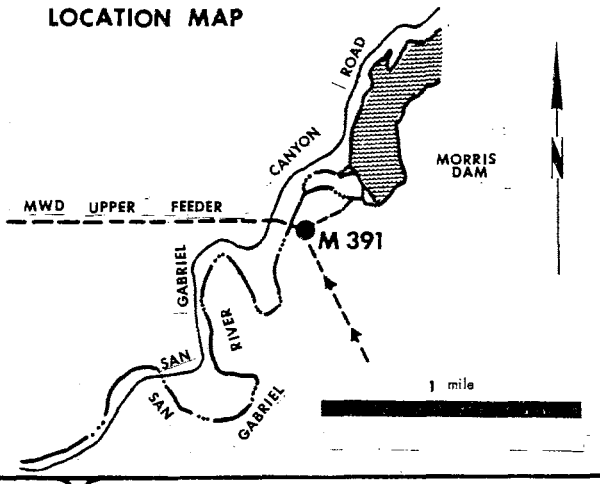
1/

YEAR OR PERIOD MEAN 57.7
YEAR OR PERIOD ACRE-FEET 41810

YEAR OR PERIOD ACRE-FEET 28840

1/ During a construction project at M382-R deliveries were made at a temporary MWD outlet on Thompson Creek, October 11, 1974 through May 1, 1975.

STATION NO. M391
SAN GABRIEL RIVER
below Morris Dam



LOCATION: Lat. 34° 10' 25", Long. 117° 53' 03", on the east bank of the San Gabriel River about 1400 feet below Morris Dam; about 3.5 miles northeast of Azusa. Elevation of outlet approximately 931 feet.

RECORDER: None. Data is computed by taking the recorded total flow at the Live Oak outlet less the total release to the La Verne pump plant and M382-R.

REGULATION: Entirely regulated by gated outlet on the Metropolitan Water District upper feeder.

RECORDS AVAILABLE: February 8, 1972 to present.

OPERATION: Located, constructed and operated by the Metropolitan Water District in cooperation with the Los Angeles County Flood Control District. This outlet is utilized for the delivery of Colorado River water to the San Gabriel River.

STATION DATA SUMMARY

STA. NO. M391
SAN GABRIEL RIVER - MWD OUTLET BELOW MORRIS DAM

YEAR	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	ANNUAL TOTAL A.F.
1971-72	121	0	4.3	3130
1972-73	150	0	10.1	7310
1973-74	159	0	24.8	17930
1974-75	184	0	23.3	16870

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO M391

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER - MWD OUTLET below Morris Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.2	0.5	0.5	0.5	0.5	0.5	0.5	145	184	0	0.4	0.4
2	0.2	0.5	0.5	0.5	0.5	0.5	0.5	143	184	0.5	0.4	0.4
3	0.2	0.5	0.5	0.5	0.5	0.5	0.5	143	184	0.5	0.4	0.4
4	0.2	0.5	0.5	0.5	0.5	0.5	0.5	143	173	0.5	0.4	0.4
5	0.2	0.5	0.5	0.5	0.5	0.5	0.5	143	156	0.5	0.4	0.4
6	0.2	0.5	0.5	0.5	0.5	0.5	0.5	143	155	0.5	0.4	0.4
7	0.2	0.5	0.5	0.5	0.5	0.5	0.5	144	153	0.5	0.4	0.4
8	0.2	0.5	0.5	0.5	0.5	0.5	0.5	144	153	0.5	0.4	0.4
9	0.2	0.5	0.5	0.5	0.5	0.5	0.5	145	153	0.5	0.4	0.4
10	0.2	0.5	0.5	0.5	0.5	0.5	0.5	145	153	0.5	0.4	0.4
11	0.2	0.5	0.5	0.5	0.5	0.5	0.5	145	152	0.5	0.4	0.4
12	0.2	0.5	0.5	0.5	0.5	0.5	0.5	145	152	0.5	0.4	0.4
13	0.2	0.5	0.5	0.5	0.5	0.5	0.5	145	152	0.5	0.4	0.4
14	0.2	0.5	0.5	0.5	0.5	0.5	0.5	145	152	0.5	0.4	0.4
15	0.2	0.5	0.5	0.5	0.5	0.5	0.5	145	152	0.5	0.4	0.4
16	0.2	0.5	0.5	0.5	0.5	0.5	0.5	145	152	0.5	0.4	0.4
17	0.2	0.5	0.5	0.5	0.5	0.5	0.5	145	166	0.5	0.4	0.4
18	0.2	0.5	0.5	0.5	0.5	0.5	0.5	145	176	0.5	0.4	0.4
19	0.2	0.5	0.5	0.5	0.5	0.5	0.5	145	121	0.5	0.4	0.4
20	0.1	0.5	0.5	0.5	0.5	0.5	0.5	145	0	0.5	0.4	0.4
21	0.1	0.5	0.5	0.5	0.5	0.5	0.5	145	0	0.5	0.4	0.4
22	0.1	0.5	0.5	0.5	0.5	0.5	0.5	145	0	0.5	0.4	0.4
23	0.1	0.5	0.5	0.5	0.5	0.5	0.5	157	0	0.5	0.4	0.4
24	0.1	0.5	0.5	0.5	0.5	0.5	0.5	178	0	0.5	0.4	0.4
25	0.1	0.5	0.5	0.5	0.5	0.5	0.5	178	0	0.5	29	0.4
26	0.1	0.5	0.5	0.5	0.5	0.5	0.5	178	0	0.5	0.4	0.4
27	0.1	0.5	0.4	0.6	0.5	0.4	e 106	180	0	0.5	0.4	0.4
28	0.1	0.5	0.4	0.6	0.5	0.4	e 167	180	0	0.5	0.4	0.4
29	0.1	0.5	0.4	0.6		0.4	e 167	163	0	0.5	0.4	0.4
30	0.1	0.5	0.4	0.6		0.4	e 167	158	0	0.5	0.4	0.4
31	0.1		0.4	0.6		0.4		158		0.5	0.4	
MEAN	0.16	0.50	0.48	0.52	0.50	0.55	20.7	152	101	0.48	1.32	0.40
ACRE-FEET	10	30	30	32	28	34	1230	9340	6000	30	81	24

YEAR OR PERIOD MEAN 23.3
ACRE-FEET 16870

2059 FCD 10/73

RISING WATER
at Whittier Narrows

The values of discharge summarized here are computed by means of interpolation between measured amounts. It has been necessary to estimate the quantity of rising water reaching Whittier Narrows during periods of high flow such as during storms. Beginning in 1954 the importation of Colorado River water for spreading created conditions which have made accurate measurements impossible to obtain. When these conditions prevail, estimates are made which are based on the nearest accurate values.

Rising water discharge is computed by the formula:

$$M = A + B - (C + D) + G + H - (I + J)$$

M = total rising water at Whittier Narrows.

A = computed flow of Mission Creek at San Gabriel Boulevard.

B = measured flow of Rio Hondo at maximum rising water.

C = measured flow of Rio Hondo above rising water, Station E326-R.

D = additional flow at various locations.

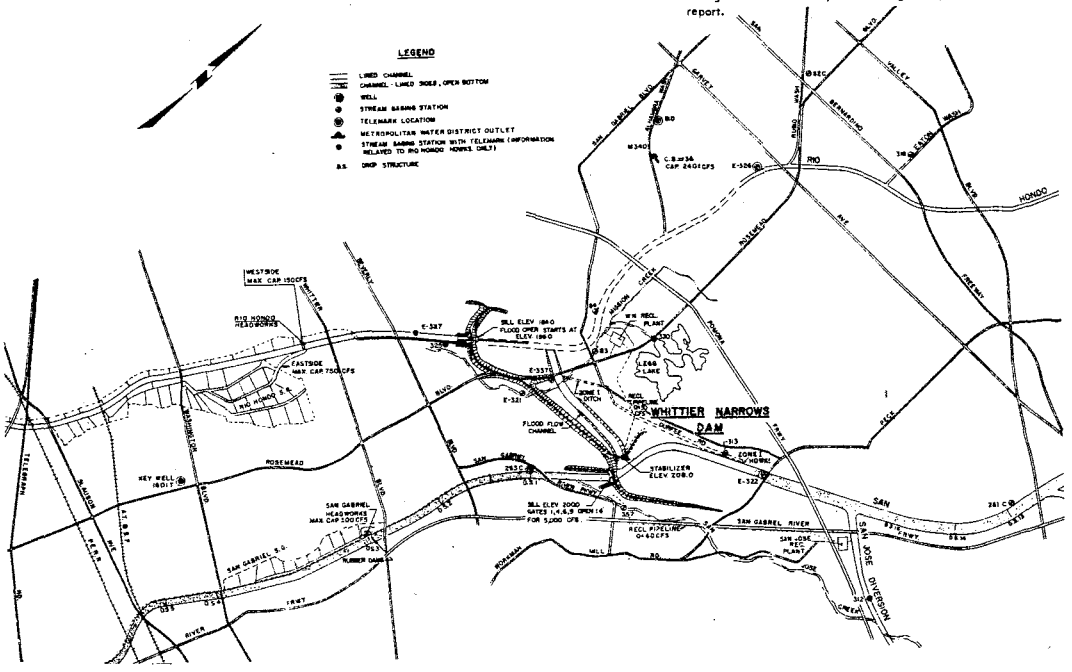
G = measured flow of San Gabriel River above Parkway Bridge, Station F86-S.

H = diversion above "G".

I = measured flow of San Gabriel River above rising water.

J = additional flow at various locations.

A graph has been included which shows the mean monthly rising water from January 1923 through the period of this report.

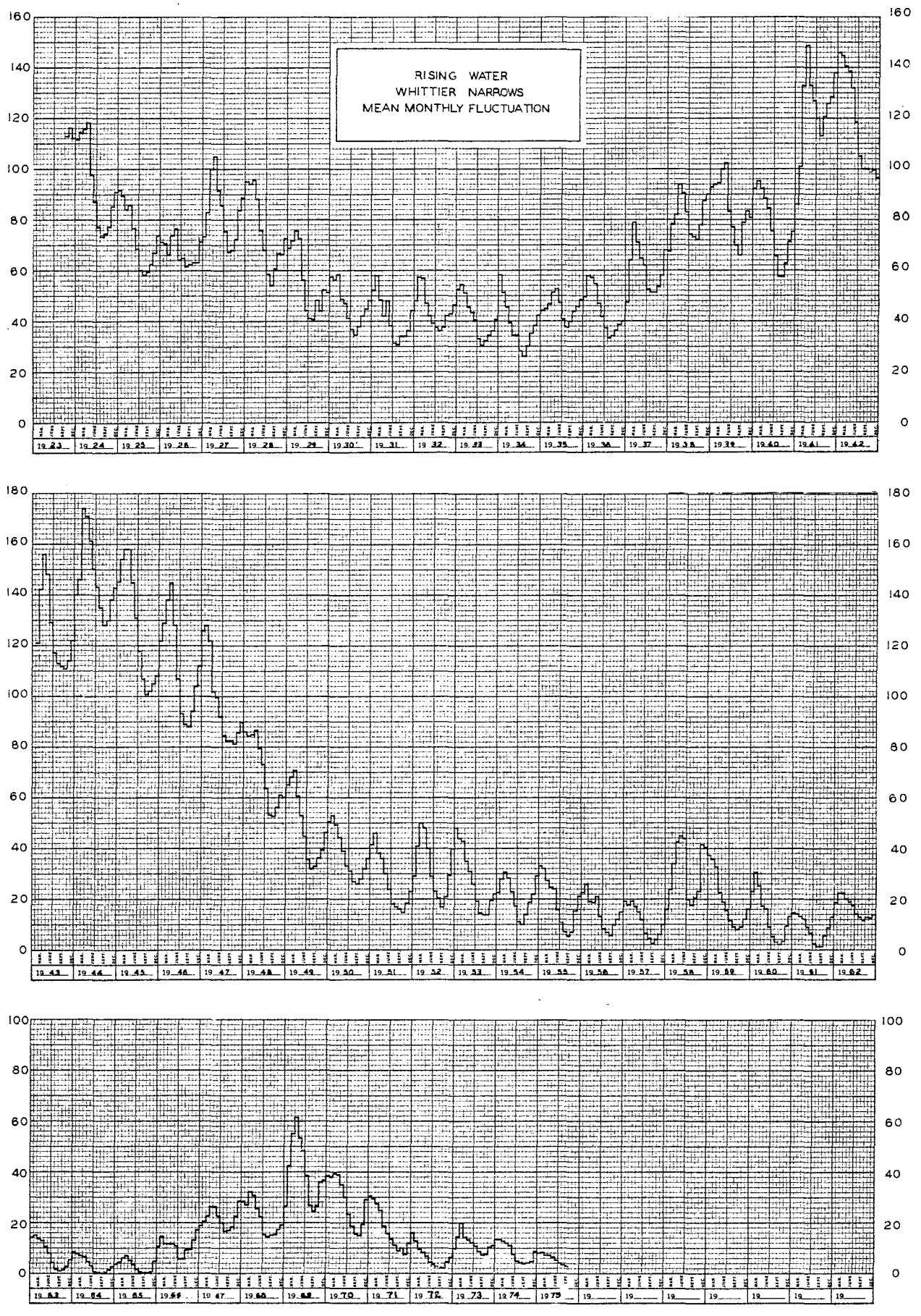


DAILY DISCHARGE IN SECOND-FEET OF WHITTIER NARROWS RISING WATER (TOTAL) FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 75

	October	November	December	January	February	March	April	May	June	July	August	September
1	3.9	4.5	6.9	7.8	8.7	5.7	7.6	6.9	6.1	4.2	3.8	3.5
2	3.7	4.5	7.1	7.8	8.7	5.8	7.5	6.8	6.1	4.2	3.8	3.5
3	3.6	4.4	7.3	7.8	8.8	6.0	7.5	6.8	6.1	4.2	3.8	3.5
4	3.6	4.4	7.5	7.8	8.9	6.0	7.3	6.8	5.9	4.2	3.8	3.5
5	3.7	4.4	7.7	7.9	8.9	6.2	7.3	6.8	5.9	4.2	3.7	3.5
6	3.7	4.3	8.0	7.8	9.0	6.3	7.3	6.7	5.8	4.2	3.7	3.5
7	3.8	4.3	8.2	7.8	9.0	6.4	7.2	6.7	5.7	4.2	3.7	3.5
8	3.8	4.1	8.5	7.9	9.1	6.5	7.2	6.7	5.6	4.1	3.7	3.5
9	3.9	3.8	8.7	7.9	9.2	6.6	7.2	6.7	5.6	4.1	3.7	3.4
10	3.9	3.7	8.9	7.9	9.2	6.7	7.2	6.6	5.5	4.1	3.7	3.4
11	3.9	3.5	9.1	7.8	9.3	6.8	7.2	6.6	5.3	4.1	3.7	3.4
12	3.9	3.3	9.2	7.8	9.3	7.0	7.2	6.6	5.3	4.1	3.7	3.4
13	4.0	3.2	9.2	7.8	9.4	7.1	7.2	6.5	5.2	4.1	3.6	3.4
14	4.0	3.2	9.1	7.8	9.3	7.2	7.2	6.5	5.1	4.1	3.6	3.4
15	4.1	3.4	9.0	7.8	9.2	7.3	7.2	6.5	5.0	4.1	3.6	3.4
16	4.1	3.6	8.8	7.8	9.1	7.4	7.2	6.6	5.0	4.1	3.6	3.4
17	4.2	3.8	8.7	7.9	8.9	7.5	7.2	6.5	4.9	4.0	3.6	3.4
18	4.2	4.0	8.6	7.9	8.8	7.6	7.2	6.5	4.7	4.0	3.6	3.4
19	4.3	4.2	8.4	8.0	8.7	7.8	7.1	6.5	4.7	4.0	3.6	3.3
20	4.3	4.5	8.4	8.0	8.6	7.8	7.1	6.4	4.6	4.0	3.5	3.3
21	4.3	4.7	8.3	8.1	7.2	8.0	7.1	6.4	4.5	4.0	3.5	3.3
22	4.3	5.0	8.3	8.2	6.8	8.0	7.0	6.4	4.4	4.0	3.5	3.3
23	4.4	5.2	8.2	8.2	6.4	7.9	7.0	6.4	4.4	4.0	3.5	3.2
24	4.4	5.4	8.1	8.3	6.1	7.9	7.0	6.3	4.3	4.0	3.5	3.2
25	4.5	5.6	8.0	8.3	5.8	7.8	6.9	6.3	4.3	4.0	3.5	3.2
26	4.5	5.8	8.0	8.4	5.6	7.8	6.9	6.3	4.3	3.9	3.5	3.0
27	4.6	6.0	8.0	8.5	5.5	7.8	6.9	6.3	4.3	3.9	3.5	3.0
28	4.6	6.3	8.0	8.5	5.6	7.7	6.9	6.2	4.3	3.9	3.5	3.0
29	4.7	6.5	7.9	8.5		7.7	6.8	6.2	4.2	3.9	3.5	2.9
30	4.7	6.7	7.9	8.5		7.6	6.8	6.2	4.2	3.9	3.5	2.9
31	4.7		7.9	8.6		7.6		6.1		3.9	3.5	
MEAN	4.14	4.54	8.25	8.04	8.15	7.15	7.15	6.51	5.04	4.05	3.61	3.32
ACRE-FEET	254	270	508	494	452	439	425	400	300	249	222	198

YEAR OR PERIOD MEAN 5.82

ACRE-FEET 4210


RISING WATER
WHITTIER NARROWS
MEAN MONTHLY FLUCTUATION
DISCHARGE IN SECOND-FEET
0
20
40
60
80
100
120
140
160
180
1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942
1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962
1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975

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 season covered by this report. In additon, 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 Whittier Narrows Dam on the San Gabriel River and Rio Hondo, and San Antonio Dam on San Antonio Creek.

OPERATION

The reservoirs are operated to control flood waters during storm periods. Post storm releases are made, when feasible, in amounts which can be conserved in spreading grounds and by natural channel percolation. Following the storm season, water is stored to provide streamflow during the dry summer months for recreation and water supply purposes.

RECORDS

The daily storage and flow records at 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.

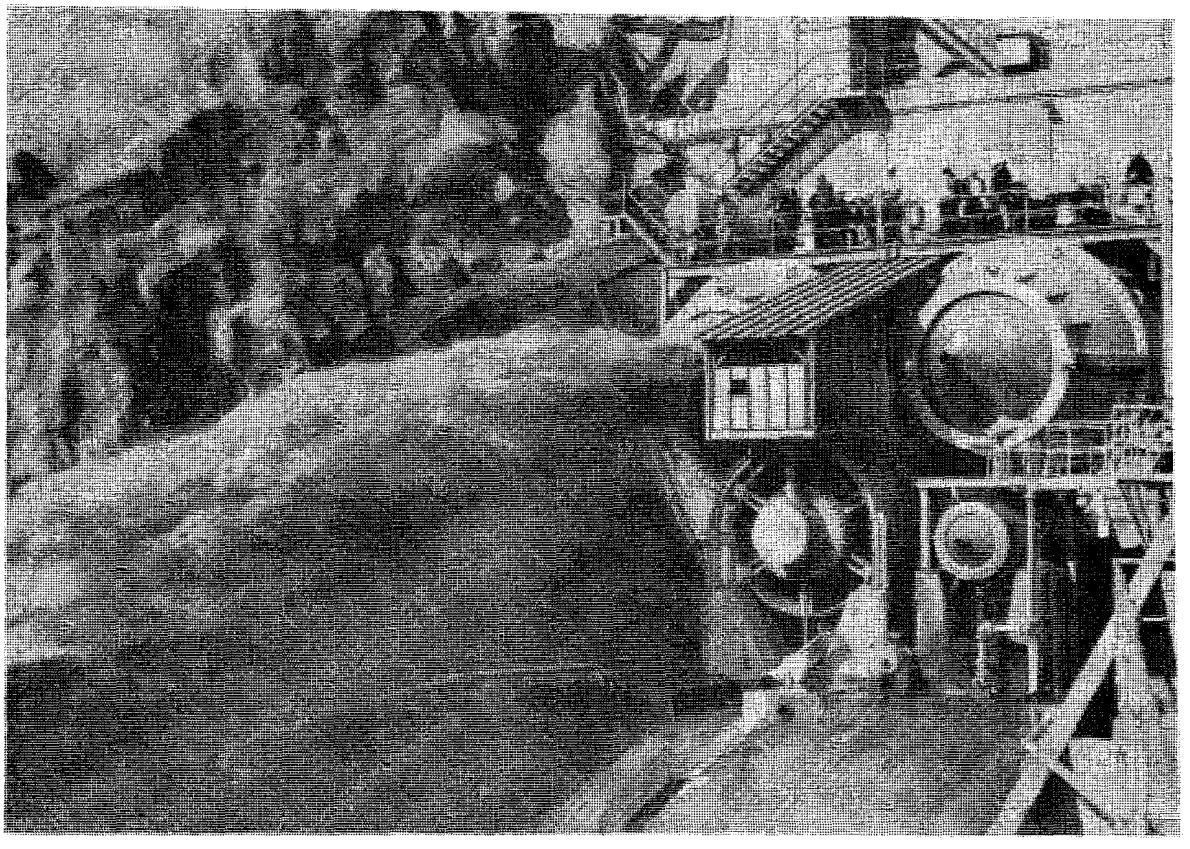
3. Inflow in cubic feet per second. This is usually calculated from storage change and known outflow. When outflow is not known, the inflow may be determined from gaging station records or interpolated between measurements.

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.

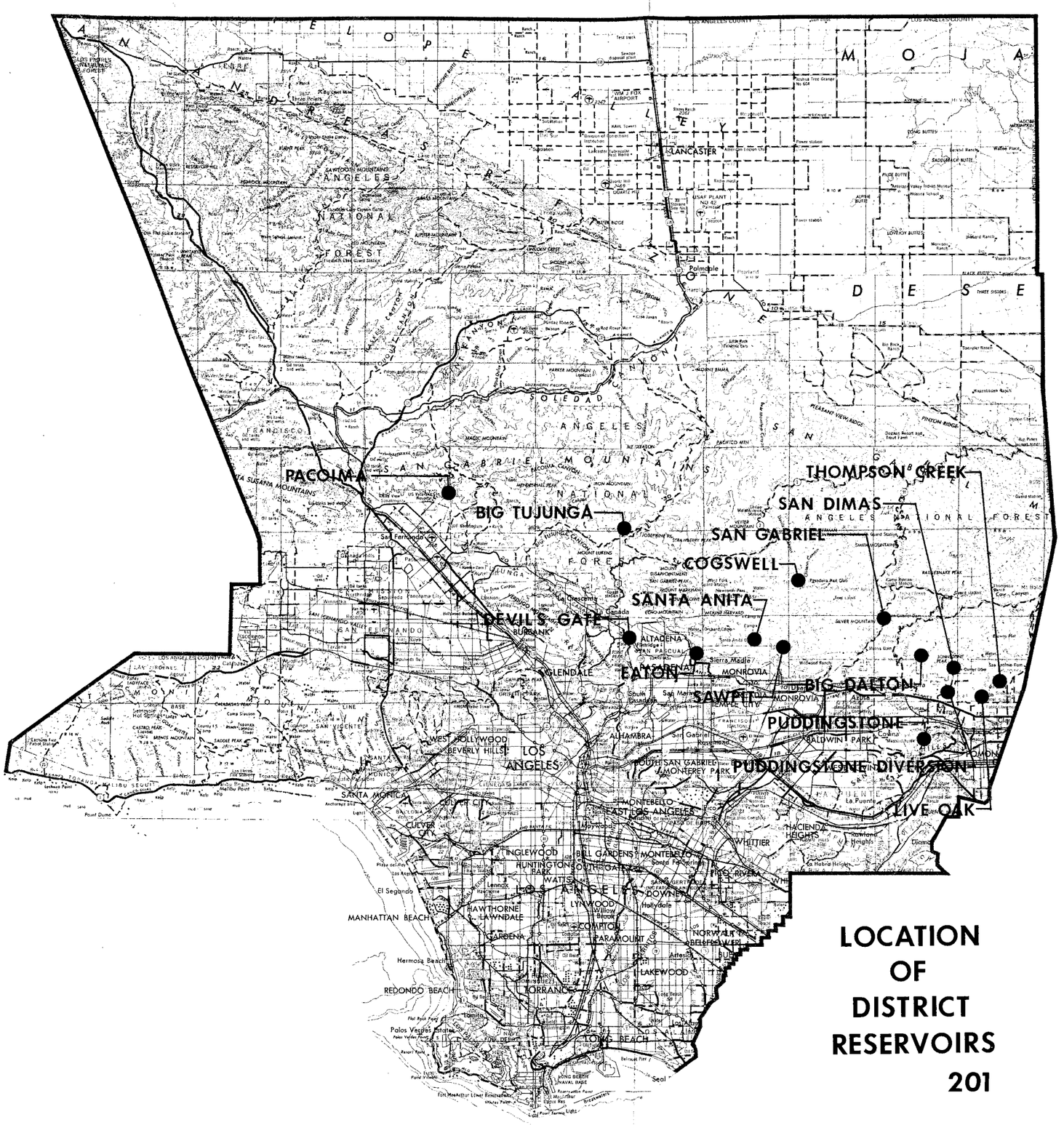
5. In some instances, total monthly and yearly evaporation and percolation losses have been computed and are indicated on the Dam Operation Records. Discrepancies between outflow and storage losses at certain dams are attributable to percolation and/or evaporation losses and are shown as total monthly 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 physical change in reservoirs.

   Recovery of storage capacity lost through sedimentation is accomplished through sluicing and excavation.



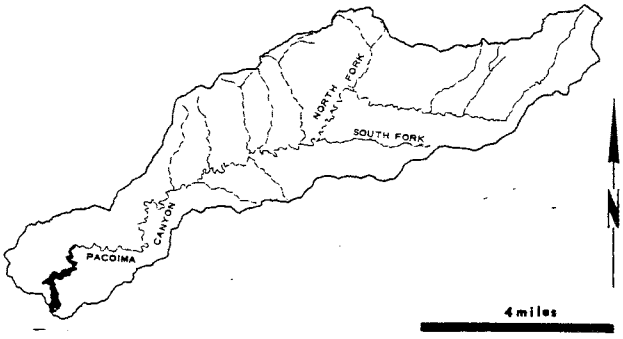
Discharge from the West 129-Inch Needle Valve at San Gabriel Dam



LOCATION OF DISTRICT RESERVOIRS 201

PACOIMA DAM AND RESERVOIR

drainage area



PURPOSE -
Flood Control and Conservation

DATE CONSTRUCTED -
Started March 1925 - Completed February 1929

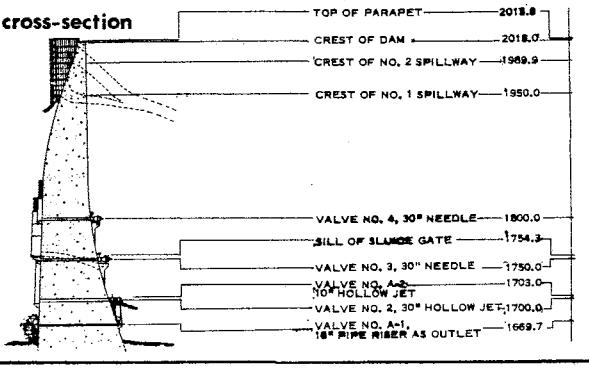
LOCATION -
Pacoima Canyon, 4.0 miles northeast of San Fernando

DRAINAGE AREA - 28.2 square miles

CAPACITY - 3,929 acre-feet

SPILLWAY ELEVATION - 1,950.0 feet

cross-section



PACOIMA DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO	DAY	CFS
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

N.D. = NOT DETERMINED

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

Pacoima Dam

1974-75

DRAINAGE AREA 28.2 SQ. MI.
CAPACITY OF RESERVOIR 3783 AC. FT..
at SPILLWAY ELEVATION 1950.0 FT..
as of May, 19 73.

GAGE HEIGHTS AND STORAGES
ARE AS OF MIDNIGHT ON DAY SHOWN.

Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	1851.2	360.7	(0.4	0.1	1852.6	377.3	(0.5	0.1	1853.8	392.2	0.2	0.1	1852.8	379.7	(0.6	0.1	1
2	1851.2	360.7	0.4	0.1	1852.7	378.5	0.5	0.1	1853.8	392.2	0.2	0.1	1852.9	380.9	0.6	0.1	2
3	1851.2	360.7	0.4	0.1	1852.7	378.5	0.5	0.1	1853.9	393.4	0.8	0.1	1852.9	380.9	0.6	0.1	3
4	1851.3	361.9	0.4	0.1	1852.7	378.5	0.5	0.1	1851.6	365.4	10.1	24.2	1853.0	382.1	0.6	0.1	4
5	1851.4	363.0	0.4	0.1	1852.8	379.7	0.5	0.1	1851.0	358.4	3.6	7.1	1853.0	382.1	0.6	0.1	5
6	1851.4	363.0	0.4	0.1	1852.8	379.7	0.5	0.1	1851.1	359.6	0.8	0.1	1853.1	383.4	0.6	0.1	6
7	1851.4	363.0	0.4	0.1	1852.9	380.9	0.5	0.1	1851.2	360.7	0.8	0.1	1853.1	383.4	0.6	0.1	7
8	1851.5	364.2	(0.4	0.1	1852.9	380.9	0.5	0.1	1851.3	361.9	0.8	0.1	1853.2	384.6	0.6	0.1	8
9	1851.6	365.4	(0.5	0.1	1853.0	382.1	0.5	0.1	1851.4	363.0	(0.8	0.1	1853.2	384.6	0.6	0.1	9
10	1851.7	366.5	0.5	0.1	1853.0	382.1	0.5	0.1	1851.4	363.0	0.8	0.1	1853.2	384.6	0.6	0.1	10
11	1851.7	366.5	0.5	0.1	1853.0	382.1	0.5	0.1	1851.5	364.2	0.8	0.1	1853.3	385.9	0.6	0.1	11
12	1851.8	367.7	0.5	0.1	1853.0	382.1	0.5	0.1	1851.2	360.7	0.7	2.5	1853.4	387.1	0.6	0.1	12
13	1851.8	367.7	0.5	0.1	1853.1	383.4	0.5	0.1	1851.4	363.0	0.7	0.5	1853.4	387.1	0.6	0.1	13
14	1851.8	367.7	0.5	0.1	1853.1	383.4	0.5	0.1	1851.4	363.0	0.7	0.1	1853.4	387.1	0.6	0.1	14
15	1851.8	367.7	0.5	0.1	1853.2	384.6	0.5	0.1	1851.5	364.2	0.7	0.1	1853.5	388.4	0.6	0.1	15
16	1851.8	367.7	0.5	0.1	1853.2	384.6	0.5	0.1	1851.6	365.4	0.7	0.1	1853.5	388.4	0.6	0.1	16
17	1851.9	368.8	0.5	0.1	1853.2	384.6	0.1	0.1	1851.6	365.4	0.7	0.1	1853.7	390.9	0.5	0.1	17
18	1851.9	368.8	0.2	0.1	1853.3	385.9	0.5	0.1	1851.7	366.5	0.7	0.1	1853.7	390.9	0.5	0.1	18
19	1852.0	370.0	0.5	0.1	1853.4	387.1	0.5	0.1	1851.8	367.7	0.6	0.1	1853.8	392.2	0.5	0.1	19
20	1852.0	370.0	0.5	0.1	1853.4	387.1	0.5	0.1	1851.8	367.7	0.6	0.1	1853.8	392.2	0.5	0.1	20
21	1852.0	370.0	0.5	0.1	1853.4	387.1	0.5	0.1	1851.8	367.7	0.6	0.1	1853.8	392.2	0.5	0.1	21
22	1852.1	371.2	0.5	0.1	1853.5	388.4	0.5	0.1	1851.9	368.8	0.6	0.1	1853.9	393.4	0.5	0.1	22
23	1852.2	372.4	0.5	0.1	1853.6	389.7	0.5	0.1	1852.0	370.0	0.6	0.1	1853.9	393.4	0.5	0.1	23
24	1852.2	372.4	0.5	0.1	1853.6	389.7	0.4	0.1	1852.0	370.0	0.6	0.1	1854.0	394.7	0.5	0.1	24
25	1852.2	372.4	0.5	0.1	1853.6	389.7	0.4	0.1	1852.1	371.2	0.6	0.1	1854.0	394.7	0.5	0.1	25
26	1852.3	373.6	0.5	0.1	1853.6	389.7	0.4	0.1	1852.2	372.4	0.6	0.1	1854.1	396.0	0.5	0.1	26
27	1852.4	374.8	0.5	0.1	1853.7	390.9	0.4	0.1	1852.3	373.6	(0.6	0.1	1854.2	397.3	0.5	0.1	27
28	1852.5	376.0	0.5	0.1	1853.8	392.2	(0.4	0.1	1852.5	376.0	1.3	0.1	1854.2	397.3	0.5	0.1	28
29	1852.5	376.0	0.5	0.1	1853.8	392.2	0.3	0.1	1852.6	377.3	0.8	0.1	1854.2	397.3	0.5	0.1	29
30	1852.5	376.0	0.5	0.1	1853.8	392.2	0.3	0.1	1852.7	378.5	0.8	0.1	1854.3	398.6	0.5	0.1	30
31	1852.6	377.3	(0.5	0.1					1852.8	379.7	0.8	0.1	1854.4	399.9	(0.5	0.1	31
TOTAL			14.7	3.1			14.1	3.0			33.7	37.0			17.0	3.1	
Inf. Ac. Ft.			29.2				28.1				66.8				33.6		
Outf. Ac. Ft.			6.1 + (6.5)				6.0 + (7.2)				73.4 + (6.0)				6.1 + (7.3)		
Max. Mean Daily Inf.			0.5				0.5				10.1				0.6		
Min. Mean Daily Inf.			0.4				0.3				0.2				0.5		
Storage Change			16.5				14.9				-12.5				20.2		

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	1854.4	399.9	0.1	0.1	1859.3	468.1	1.1	0.1	1853.8	392.2	8.1	8.1	1855.7	417.1	6.7	8.0	1
2	1854.4	399.9	0.1	0.1	1859.0	469.6	0.9	0.1	1854.6	402.5	5.4	0.1	1855.4	413.1	6.1	8.0	2
3	1855.1	409.0	4.7	0.1	1858.8	460.7	0.4	4.4	1855.4	413.1	5.6	0.1	1855.1	409.0	6.5	8.4	3
4	1855.6	415.7	3.5	0.1	1857.4	440.3	0.3	10.8	1856.0	421.1	4.2	0.1	1854.8	403.1	5.8	7.7	4
5	1855.7	417.1	0.8	0.1	1856.3	432.1	3.3	7.4	1858.0	449.0	14.3	0.1	1854.7	403.8	7.2	7.7	5
6	1855.8	418.4	0.8	0.1	1863.0	526.0	47.5	0.1	1860.5	486.3	18.9	0.1	1854.3	398.6	5.2	7.7	6
7	1855.9	419.8	0.9	0.1	1862.0	509.8	19.6	27.8	1861.2	497.2	11.5	6.0	1853.8	392.2	4.6	7.7	7
8	1856.0	421.1	0.8	0.1	1862.3	514.7	43.5	41.1	1861.3	498.7	11.2	10.4	1853.2	384.6	4.0	7.7	8
9	1856.3	425.2	2.2	0.1	1860.6	487.8	30.0	43.6	1862.0	509.8	16.1	10.4	1853.0	382.1	5.3	6.4	9
10	1856.6	429.4	2.2	0.1	1859.0	463.6	25.9	38.1	1863.0	526.0	17.3	9.1	1852.7	378.5	3.7	5.4	10
11	1857.1	433.5	2.3	0.1	1856.9	433.5	21.7	36.8	1863.6	536.1	18.2	14.1	1852.5	376.0	4.3	5.4	11
12	1857.1	436.3	1.7	0.1	1855.7	417.1	17.2	25.5	1863.5	534.4	18.0	18.8	1852.2	372.4	3.7	5.4	12
13	1857.3	439.1	1.6	0.1	1856.6	429.4	13.5	7.3	1863.1	527.7	15.5	18.8	1852.0	370.0	3.1	4.2	13
14	1857.5	441.9	1.5	0.1	1857.9	447.6	19.2	10.0	1860.0	478.6	13.8	38.5	1852.4	374.8	4.1	1.6	14
15	1857.7	444.8	1.7	0.1	1857.6	443.4	14.0	16.0	1855.5	414.4	11.6	66.0	1853.0	382.1	3.9	0.1	15
16	1857.8	446.2	0.9	0.1	1857.1	436.3	12.5	16.0	1852.0	370.0	17.8	40.2	1853.6	389.7	4.0	0.1	16
17	1858.0	449.0	(1.1	0.1	1856.4	426.6	11.2	16.0	1852.4	374.8	20.2	17.7	1854.2	397.3	4.0	0.1	17
18	1858.1	450.5	1.1	0.1	1855.9	419.8	8.7	12.1	1853.3	385.9	17.7	12.0	1854.7	403.8	3.4	0.1	18
19	1858.2	451.9	1.1	0.1	1856.3	425.2	10.5	7.7	1853.2	384.6	17.9	12.0	1854.9	406.4	3.1	1.7	19
20	1858.4	454.8	1.1	0.1	1856.5	428.0	8.2	7.7	1854.9	406.4	16.6	12.0	1854.9	406.4	4.0	4.0	20
21	1858.5	456.3	1.1	0.1	1856.9	433.5	10.6	7.7	1855.2	410.4	14.1	12.0	1854.7	403.8	2.8	4.0	21
22	1858.6	457.8	1.1	0.1	1858.1	450.5	16.3	7.7	1855.4	413.1	13.4	12.0	1854.5	401.2	3.0	4.2	22
23	1858.7	459.2	1.1	0.1	1858.7	459.2	12.2	7.7	1855.5	414.4	12.7	12.0	1854.2	397.3	2.3	4.2	23
24	1858.8	460.7	1.1	0.1	1858.7	459.2	9.1	9.0	1855.8	418.4	12.9	10.8	1853.9	393.4	2.3	4.2	24
25	1858.9	462.1	1.1	0.1	1858.2	451.9	6.8	10.4	1856.0	421.1	11.2	9.8	1853.5	388.4	1.8	4.2	25
26	1859.0	463.6	1.1	0.1	1857.7	444.8	6.4	9.9	1856.2	423.9	11.4	9.8	1853.2	384.6	1.8	4.2	26
27	1859.1	465.1	1.1	0.1	1857.0	434.3	5.1	9.9	1856.1	422.5	9.2	9.8	1852.9	380.9	1.8	4.2	27
28	1859.2	466.6	(1.1	0.1	1856.3	425.2	5.2	9.9	1856.0	421.1	8.4	9.0	1852.6	377.3	1.9	4.2	28
29					1855.5	414.4	4.6	9.9	1856.0	421.1	7.9	7.8	1851.9	368.8	1.9	4.2	29
30					1854.5	401.2	3.4	9.9	1855.9	419.8	7.3	7.8	1851.8	367.7	1.9	1.9	30
31					1853.8	392.2	3.1	9.5					1852.2	372.4	1.9	0.1	31
TOTAL			38.9	2.8			395.0	430.1			411.4	395.4			116.2	137.0	
Inf. Ac. Ft.			77.2				783.5				816.0				230.5		
Outf. Ac. Ft.			5.6 + (5.0)				853.1 + (4.8)				784.3 + (4.2)				271.7 + (6.1)		
Max. Mean Daily Inf.			4.7				47.5				33.6				7.2		
Min. Mean Daily Inf.			0.1				0.3				4.2				1.8		
Storage Change			66.7				-74.4				27.6				-47.3		

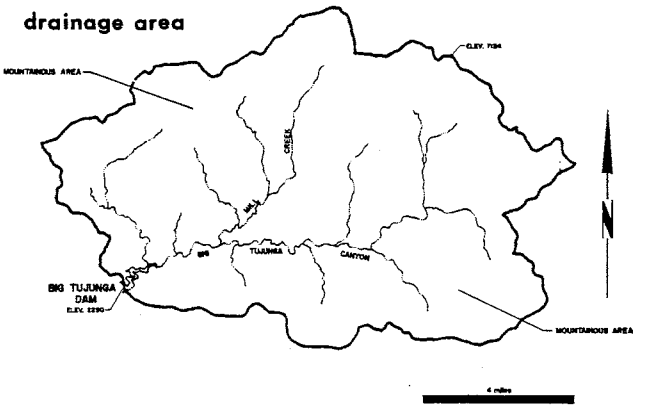
Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	1852.5	376.0	2.0	0.1	1856.2	423.9	(0.6	0.1	1857.8	453.2	(0.5	0.1	1809.9	50.0	1.2	0.6	1
2	1852.8	379.7	2.0	0.1	1856.3	425.2	0.6	0.1	1857.8	453.3	0.5	0.1	1809.1	47.1	1.2	2.6	2
3	1852.8	379.7	(1.1	0.1	1856.3	425.2	0.6	0.1	1857.8	453.3	0.5	0.1	1809.3	47.8	1.0	0.6	3
4	1852.9	380.9	1.0	0.1	1856.4	426.6	0.6	0.1	1857.8	453.3	0.5	0.1	1809.6	48.9	1.2	0.6	4
5	1853.2	384.6	1.0	0.1	1856.4	426.6	0.6	0.1	1857.8	453.3	0.5	0.1	1809.1	47.1	1.2	2.1	5
6	1853.3	385.9	1.0	0.1	1856.5	428.0	0.6	0.1	1857.9	454.7	0.5	0.1	1809.4	48.2	1.2	0.6	6
7	1853.5	388.4	1.0	0.1	1856.5	428.0	0.6	0.1	1857.9	454.7	0.5	0.1	1809.6	48.9	1.0	0.6	7
8	1853.7	390.9	1.0	0.1	1856.6	429.4	0.6	0.1	1857.9	454.7	0.5	0.1	1809.9	50.0	1.2	0.6	8
9	1853.9	393.4	1.0	0.1	1856.6	429.4	0.6	0.1	1857.9	454.7	0.4	0.1	1810.1	50.8	1.0	0.6	9
10	1854.0	394.7	1.0	0.1	1856.7	430.8	0.6	0.1	1857.9	454.7	0.4	0.1	1809.1	47.1	1.0	2.9	10
11	1854.2	397.3	1.0	0.1	1856.8	432.1	0.6	0.1	1858.0	456.1	0.4	0.1	1809.3	47.8	1.0	0.6	11
12	1854.3	398.6	1.0	0.1	1856.8	432.1	0.6	0.1	1858.0	456.1	0.4	0.1	1809.4	48.2	0.8	0.6	12
13	1854.5	401.2	1.0	0.1	1856.8	432.1	0.6	0.1	1858.0	456.1	(0.4	0.1	1809.7	49.3	1.2	0.6	13
14	1854.6	402.5	1.0	0.1	1856.9	433.5	0.6	0.1	1856.7	437.9	(1.1	9.2	1809.7	49.3	0.6	0.6	14
15	1854.7	403.8	1.0	0.1	1856.9	433.5	0.6	0.1	1853.4	394.9	1.1	21.7	1809.6	48.9	0.6	2.6	15
16	1854.8	405.1	1.0	0.1	1857.0	434.9	0.6	0.1	1849.9	347.3	1.1	24.1	1808.9	46.3	1.2	0.6	16
17	1854.9	406.4	1.0	0.1	1857.0	434.9	0.6	0.1	1846.0	304.7	1.1	21.6	1809.0	46.7	0.8	0.6	17
18	1855.1	409.0	1.0	0.1	1857.1	436.3	0.6	0.1	1835.9	207.5	1.1	49.1	1809.2	47.4	1.0	0.6	18
19	1855.2	410.4	1.0	0.1	1857.1	436.3	0.6	0.1	1808.0	43.2	1.1	83.0	1808.6	45.3	1.0	2.0	19
20	1855.4	413.1	1.0	0.1	1857.1	436.3	0.6	0.1	1810.4	52.0	1.1	2.0	1808.9	46.3	1.2	0.6	20
21	1855.5	414.4	1.0	0.1	1857.2	437.7	0.6	0.1	1810.9	53.9	1.2	1.0	1809.2	47.4	1.2	0.6	21
22	1855.6	415.7	1.0	0.1	1857.3	439.1	0.6	0.1	1808.4	44.6	1.2	4.8	1809.4	48.2	1.1	0.6	22
23	1855.7	417.1	1.0	0.1	1857.3	439.1	0.6	0.1	1809.3	47.8	1.2	0.7	1809.5	48.5	0.9	0.6	23
24	1855.8	418.4	1.0	0.1	1857.4	440.5	0.6	0.1	1809.4	48.2	1.2	0.7	1809.7	49.3	1.1	0.6	24
25	1855.9	419.8	1.0	0.1	1857.4	440.5	0.6	0.1	1809.6	48.9	1.2	0.7	1809.9	50.0	1.1	0.6	25
26	1855.9	419.8	1.0	0.1	1857.5	441.9	0.6	0.1	1810.2	51.2	1.2	0.7	1809.1	47.1	1.1	2.5	26
27	1856.0	421.1	1.0	0.1	1857.5	441.9	0.6	0.1	1809.1	47.1	1.2	2.1	1809.3	47.8	1.0	0.6	27
28	1856.0	421.1	1.0	0.1	1857.6	443.4	0.6	0.1	1809.6	48.9	1.2	0.6	1809.4	48.2	0.8	0.6	28
29	1856.1	422.5	1.0	0.1	1857.6	443.4	0.6	0.1	1810.0	50.4	1.2	0.6	1809.0	46.7	0.8	1.5	29
30	1856.2	423.9	1.0	0.1	1857.6	443.4	0.5	0.1	1809.3	47.8	1.2	1.5	1809.2	47.4	1.0	0.6	30
31					1857.7	444.8	0.5	0.1	1809.6	48.9	(1.2	0.6					31
TOTAL			32.1	3.0			18.4	3.1			26.9	226.0			10.7	30.0	
Inf. Ac. Ft.			63.7				36.5				53.4				60.9		
Outf. Ac. Ft.			6.0 + (6.3)				6.1 + (9.5)				448.3 + (8.0)				59.5 + (2.8)		
Max. Mean Daily Inf.			2.0				0.6				1.2				1.2		
Min. Mean Daily Inf.			1.0				0.5				0.4				0.6		
Storage Change			51.4				20.9				-402.9				-1.5		

Max. W.S. Elev. 1863.7 feet on 4-12-75 Storage 537.8 Acre-Feet
Min. W.S. Elev. 1808.0 feet on 8-20-75 Storage 43.2 Acre-Feet
Max. Peak Inf. 97.4 CFS from 0800 on 3-6-75 to 1200 on 3-6-75
Max. Peak Outf. CFS from on to on

REMARKS: ( ) Indicates average for period
( ) Indicates evaporation losses.
There was a 7.1 A.F. gain in storage in August due to new storage table survey of 8-8-75.

BIG TUJUNGA DAM AND RESERVOIR

drainage area



PURPOSE -
Flood Control and Conservation

DATE CONSTRUCTED -
Started January 1930 - Completed July 1931

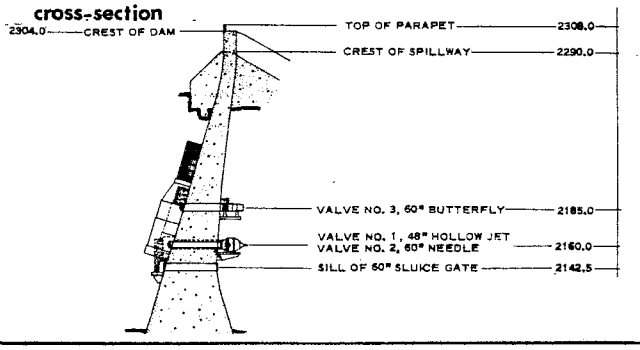
LOCATION -
Big Tujunga Canyon, 10.0 miles northeast of Sunland

DRAINAGE AREA - 82.3 square miles

CAPACITY - 6,027 acre-feet

SPILLWAY ELEVATION - 2,290.0 feet

cross-section



BIG TUJUNGA DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	ANNUAL AF	INFLOW MAX-DAY CFS	MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK MO	DAY	INFLOW CFS
1932-33	4342	218	0	4518			N.D.
1933-34	4441	994	0	4234	1	1	2430
1934-35	11992	380	0	10698	4	8	718
1935-36	3875	130	0	5508	2	12	312
1936-37	26989	803	0.6	25729	2	6	1740
1937-38	64855	12030	1.0	65022	3	2	32940
1938-39	9905	327	1.2	9106	12	19	666
1939-40	7058	337	0.4	7197	1	8	2300
1940-41	59402	1200	0.9	59086	3	4	1570
1941-42	7120	70	0.8	7724	12	10	134
1942-43	52877	5700	1.1	52919	1	23	17850
1943-44	42270	2780	5.0	41722	2	22	4770
1944-45	13206	475	1.2	12231	11	11	1850
1945-46	11543	1150	0.8	12383	3	30	2310
1946-47	12987	674	0.9	12827	11	13	1490
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	5349	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	27543	4	3	2860
1958-59	3405	172	0.1	3152	1	6	213
1959-60	1143	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	2310	0.6	29779	12	29	10800
1966-67	30158	1180	1.6	30338	12	6	2600
1967-68	10584	352	1.0	11446	11	21	725
1968-69	107609	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	4320
1973-74	8663	256	0.9	5582	1	7	561
1974-75	5442	198	0.3	8666	3	6	315

N.D. = NOT DETERMINED

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

Big Tujunga Dam

1974-75

DRAINAGE AREA 82.3 SQ. MI.
CAPACITY OF RESERVOIR 6026.8 AC. FT.,
at SPILLWAY ELEVATION 2290 FT.,
as of October, 19 70

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	2264.3	4018.5	2.2	37.0	2209.5	1132.2	3.8	0.1	2197.3	745.3	2.7	21.6	2206.9	1041.7	3.7	0.1	1
2	2262.4	3890.6	2.2	73.0	2209.6	1135.8	2.0	0.1	2196.9	736.1	2.5	7.0	2207.1	1048.5	3.8	0.1	2
3	2260.1	3739.6	2.2	84.0	2209.7	1139.4	2.0	0.1	2197.1	741.6	2.0	0.1	2207.3	1055.4	3.9	0.1	3
4	2258.2	3608.0	2.2	67.0	2209.8	1142.9	2.1	0.1	2200.1	827.5	41.4	0.1	2207.5	1063.9	4.6	0.1	4
5	2256.1	3475.8	2.2	67.0	2209.9	1146.5	2.1	0.1	2200.8	846.5	9.7	0.1	2207.8	1070.8	3.7	0.1	5
6	2254.2	3354.1	2.2	62.0	2210.0	1150.1	2.1	0.1	2201.1	856.1	5.2	0.1	2208.0	1079.4	4.6	0.1	6
7	2252.3	3237.0	2.2	61.0	2210.0	1151.9	1.4	0.1	2201.4	865.0	4.7	0.1	2208.3	1088.2	4.7	0.1	7
8	2250.4	3119.5	2.2	60.0	2210.1	1153.7	1.4	0.1	2201.6	871.0	3.5	0.1	2208.4	1095.2	3.7	0.1	8
9	2248.4	3003.6	2.2	60.0	2210.2	1157.3	2.3	0.1	2201.8	878.6	4.3	0.1	2208.7	1103.9	4.6	0.1	9
10	2246.5	2887.5	2.2	61.0	2210.3	1160.9	2.2	0.1	2202.1	886.3	4.2	0.1	2208.9	1110.9	3.9	0.1	10
11	2244.4	2767.1	2.2	61.0	2210.4	1164.6	2.3	0.1	2202.3	893.1	3.7	0.1	2209.1	1118.0	3.8	0.1	11
12	2242.3	2645.3	2.2	61.0	2210.5	1168.2	2.4	0.1	2202.6	900.9	4.2	0.1	2209.3	1125.1	3.9	0.1	12
13	2240.1	2526.0	2.2	61.0	2210.6	1170.7	1.8	0.1	2202.8	908.7	4.1	0.1	2209.5	1132.2	4.1	0.1	13
14	2237.9	2406.5	2.1	61.0	2210.6	1172.6	1.4	0.1	2203.0	913.3	2.7	0.1	2209.8	1141.1	5.0	0.1	14
15	2235.6	2284.6	2.1	61.0	2210.7	1174.2	2.2	0.1	2203.2	920.0	3.6	0.1	2210.0	1150.1	4.9	0.1	15
16	2233.3	2168.3	2.1	58.0	2210.8	1179.8	2.2	0.1	2203.3	923.4	3.0	0.1	2210.2	1157.3	4.1	0.1	16
17	2231.1	2055.0	2.1	58.0	2210.9	1183.5	2.1	0.1	2203.6	932.7	4.0	0.1	2210.4	1164.6	4.1	0.1	17
18	2228.8	1942.4	2.1	58.0	2211.0	1188.2	2.7	0.1	2203.8	938.1	3.2	0.1	2210.6	1171.8	4.2	0.1	18
19	2226.5	1833.1	2.1	57.0	2211.1	1191.9	2.1	0.1	2203.9	943.5	3.1	0.1	2210.8	1177.3	3.2	0.1	19
20	2224.1	1724.9	2.1	57.0	2211.3	1195.6	2.1	0.1	2204.1	949.6	3.4	0.1	2210.9	1182.7	3.1	0.1	20
21	2221.8	1620.4	2.1	55.0	2210.5	1168.2	2.1	15.7	2204.3	956.4	3.7	0.1	2211.1	1190.0	4.1	0.1	21
22	2219.3	1513.2	2.1	55.0	2209.2	1122.3	2.2	25.2	2204.5	962.2	3.2	0.1	2211.2	1193.7	2.4	0.1	22
23	2216.8	1412.1	3.2	54.0	2207.9	1076.0	2.1	25.2	2204.7	968.7	3.8	0.1	2211.4	1201.1	4.3	0.1	23
24	2214.4	1314.9	4.2	53.0	2206.6	1031.6	3.3	25.2	2204.8	973.5	2.7	0.1	2211.6	1208.5	4.1	0.1	24
25	2211.9	1221.5	4.0	52.0	2205.2	986.0	2.5	25.2	2205.0	980.1	3.7	0.1	2211.8	1215.9	4.2	0.1	25
26	2209.5	1134.0	4.1	49.0	2203.9	943.5	2.8	24.0	2205.3	986.7	3.7	0.1	2211.9	1219.6	2.2	0.1	26
27	2208.7	1103.9	4.1	16.9	2202.7	904.3	3.4	22.8	2205.4	992.3	3.1	0.1	2212.1	1229.0	5.0	0.1	27
28	2208.9	1112.7	6.6	2.0	2201.3	861.9	1.8	22.8	2205.9	1008.1	8.2	0.1	2212.3	1235.7	3.7	0.1	28
29	2209.1	1118.0	4.8	1.9	2200.0	823.0	3.5	22.8	2206.2	1018.1	5.2	0.1	2212.5	1243.3	4.1	0.1	29
30	2209.2	1121.5	3.7	1.8	2198.6	783.0	2.9	22.8	2206.5	1028.2	5.5	0.1	2212.7	1250.8	4.1	0.1	30
31	2209.3	1125.1	3.6	1.6					2206.7	1035.0	3.7	0.1	2212.9	1258.3	4.0	0.1	31
TOTAL			85.8	1567.2			69.3	233.7			164.7	31.5			123.6	3.1	
Inf. Ac. Ft.			170.2				137.4				326.7				245.2		
Outf. Ac. Ft.			3108.5 + (28.1)				463.5 + (16.0)				62.5 + (12.3)				6.1 + (15.7)		
Max. Mean Daily Inf.			6.6				3.8				43.4				5.0		
Min. Mean Daily Inf.			2.1				1.4				2.5				2.2		
Storage Change			-2966.3				-342.1				251.9				223.4		

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	2213.1	1266.7	4.4	0.1	2223.3	1684.4	5.4	0.5	2256.8	3517.4	14.7	85.0	2236.5	2332.0	11.8	5.7	1
2	2213.5	1280.1	6.9	0.1	2223.4	1690.2	3.7	0.5	2256.5	3374.3	8.2	80.0	2236.7	2342.6	11.3	5.7	2
3	2214.5	1320.8	20.5	0.1	2223.6	1700.1	5.8	0.5	2252.3	3237.0	9.3	78.0	2236.8	2350.5	10.5	5.7	3
4	2215.1	1344.2	12.0	0.1	2223.8	1709.1	5.3	0.5	2250.0	3096.5	7.8	78.0	2236.9	2355.8	8.7	5.7	4
5	2215.6	1364.0	10.3	0.1	2224.5	1740.8	17.0	1.0	2248.0	2979.8	19.4	78.0	2237.1	2366.5	11.5	5.7	5
6	2216.1	1381.1	8.8	0.1	2232.5	2125.2	197.5	3.7	2246.1	2863.0	18.1	77.0	2237.3	2374.5	10.2	5.7	6
7	2216.3	1392.0	5.8	0.1	2236.3	2321.4	99.6	0.6	2245.8	2847.9	20.5	28.0	2237.4	2381.4	9.7	5.7	7
8	2216.7	1406.1	7.4	0.1	2242.9	2681.8	183.3	1.6	2246.4	2882.8	19.0	1.3	2237.5	2387.8	9.9	6.0	8
9	2217.3	1428.4	11.4	0.1	2245.4	2824.7	72.9	0.7	2245.8	2849.0	22.1	39.0	2237.6	2393.2	9.3	6.0	9
10	2218.0	1459.1	15.2	0.1	2247.3	2935.6	56.8	0.7	2243.7	2726.0	23.1	85.0	2237.8	2398.5	9.4	6.0	10
11	2218.5	1481.9	11.8	0.1	2248.6	3012.6	39.4	0.5	2241.5	2603.4	23.5	85.0	2237.8	2401.2	7.9	6.0	11
12	2219.0	1500.6	9.7	0.1	2249.6	3072.4	30.8	0.5	2239.3	2482.3	24.0	85.0	2237.8	2403.9	8.0	6.0	12
13	2219.3	1511.2	6.6	0.1	2250.6	3132.9	31.2	0.6	2237.3	2371.8	29.5	85.0	2237.9	2406.6	7.9	6.0	13
14	2219.7	1530.1	8.7	0.1	2251.7	3200.1	34.6	0.6	2235.3	2266.3	30.0	83.0	2237.9	2407.6	7.2	6.0	14
15	2220.0	1542.7	6.7	0.1	2252.7	3249.4	23.2	0.5	2233.2	2161.7	29.3	82.0	2237.9	2409.2	7.4	6.0	15
16	2220.3	1555.6	7.0	0.1	2253.3	3299.1	25.6	0.4	2231.3	2064.0	30.9	80.0	2238.0	2411.9	7.8	6.0	16
17	2220.5	1566.3	5.7	0.1	2254.1	3349.1	26.0	0.4	2231.1	2053.0	29.6	35.0	2238.0	2413.5	7.1	6.0	17
18	2220.8	1577.0	6.0	0.1	2254.7	3386.9	19.7	0.3	2231.7	2085.5	32.6	6.0	2238.0	2414.6	6.9	6.0	18
19	2221.1	1588.6	6.3	0.1	2255.2	3418.5	16.7	0.3	2232.3	2114.6	21.0	6.0	2238.1	2415.7	6.9	6.0	19
20	2221.3	1598.6	5.3	0.2	2255.8	3456.6	20.1	0.3	2232.8	2140.4	19.3	6.0	2238.1	2418.4	7.7	6.0	20
21	2221.5	1609.5	6.0	0.2	2256.3	3488.6	16.8	0.3	2233.1	2166.8	19.4	5.7	2238.2	2421.6	8.0	6.0	21
22	2221.8	1618.2	5.1	0.2	2256.9	3527.0	19.9	0.3	2233.7	2187.8	16.6	5.7	2238.2	2422.7	6.9	6.0	22
23	2222.0	1629.1	6.2	0.3	2257.4	3562.6	18.6	0.3	2234.2	2210.3	17.4	5.7	2238.2	2422.7	6.4	6.0	23
24	2222.2	1637.9	5.0	0.3	2257.9	3591.7	15.4	0.3	2234.6	2230.5	16.1	5.7	2238.2	2422.7	6.5	6.0	24
25	2222.4	1647.6	5.6	0.3	2258.4	3624.4	17.1	0.3	2234.9	2248.6	15.0	5.7	2238.2	2422.7	7.2	6.6	25
26	2222.6	1657.8	5.9	0.4	2258.8	3650.5	14.2	0.3	2235.3	2266.3	15.1	5.7	2238.2	2422.7	7.4	6.6	26
27	2222.8	1666.6	5.3	0.5	2259.1	3670.2	10.6	0.3	2235.5	2282.0	13.9	5.7	2238.1	2420.0	6.3	7.2	27
28	2223.0	1675.4	5.4	0.5	2259.5	3696.6	14.4	0.3	2235.8	2295.1	12.6	5.7	2238.1	2417.3	5.8	6.6	28
29					2259.9	3723.0	14.4	0.3	2236.1	2309.8	13.7	5.7	2238.0	2411.9	4.8	6.6	29
30					2260.2	3742.9	11.0	0.3	2236.3	2320.9	11.8	5.7	2237.9	2407.6	5.5	6.6	30
31					2258.9	3657.1	12.1	55.0					2237.9	2405.0	5.9	6.6	31
TOTAL			221.9	4.8			1081.8	72.7			573.6	1239.3			247.8	188.7	
Inf. Ac. Ft.			440.2				2145.7				1137.6				491.5		
Outf. Ac. Ft.			9.5 + (13.5)				144.2 + (19.9)				2458.1 + (15.7)				374.3 + (33.1)		
Max. Mean Daily Inf.			20.6				197.5				30.9				11.8		
Min. Mean Daily Inf.			4.4				3.7				7.8				4.8		
Storage Change			417.1				1981.6				-1336.2				84.1		

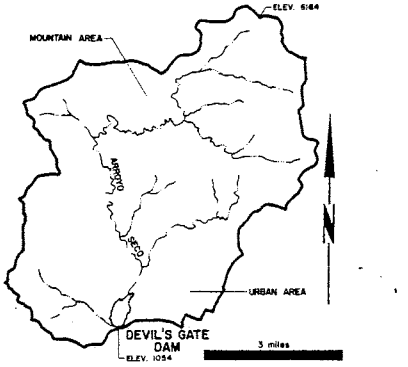
Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	2237.8	2400.1	4.7	6.6	2233.4	2169.4	1.3	5.7	2226.3	1824.2	1.2	5.7	2218.5	1479.0	1.8	6.0	1
2	2237.7	2393.7	3.2	5.7	2233.2	2158.6	1.0	5.7	2226.0	1812.0	0.4	5.7	2218.1	1464.0	1.7	6.0	2
3	2237.6	2389.5	4.0	5.7	2233.0	2148.4	1.3	5.7	2225.8	1801.9	1.4	5.7	2217.9	1453.7	1.5	6.0	3
4	2237.5	2386.2	4.5	5.7	2232.8	2137.8	1.0	5.7	2225.6	1791.2	1.2	5.7	2217.6	1443.1	1.2	6.0	4
5	2237.4	2380.9	3.6	5.7	2232.5	2127.7	1.3	5.7	2225.3	1779.7	1.0	6.0	2217.3	1432.5	1.3	6.0	5
6	2237.3	2375.0	3.3	5.7	2232.3	2116.6	0.8	5.7	2225.1	1768.6	1.3	6.0	2217.1	1421.4	1.1	6.0	6
7	2237.2	2369.7	3.6	5.7	2232.1	2105.0	1.0	6.0	2224.9	1757.2	1.1	6.0	2216.8	1410.9	1.4	6.0	7
8	2237.1	2363.3	3.3	6.0	2231.9	2094.5	1.5	6.0	2224.6	1745.8	1.2	6.0	2216.6	1400.4	1.4	6.0	8
9	2237.0	2356.9	3.1	6.0	2231.7	2083.5	0.9	6.0	2224.4	1734.4	1.1	6.0	2216.3	1390.4	1.3	6.0	9
10	2236.8	2350.0	3.1	6.0	2231.5	2071.0	1.4	6.0	2224.1	1722.6	0.8	6.0	2216.0	1379.9	1.4	6.0	10
11	2236.7	2342.1	2.7	6.0	2231.2	2061.5	0.9	6.0	2223.8	1711.3	1.1	6.0	2215.8	1369.2	0.9	6.0	11
12	2236.5	2334.1	2.4	6.0	2231.0	2050.1	0.9	6.0	2223.6	1699.7	0.9	6.0	2214.8	1330.5	1.1	19.2	12
13	2236.4	2325.1	2.7	6.6	2230.8	2038.7	1.1	6.0	2223.3	1687.1	0.3	6.0	2213.4	1277.8	0.7	26.0	13
14	2236.2	2316.7	3.5	7.2	2230.5	2027.9	1.2	6.0	2223.1	1675.9	0.9	6.0	2212.1	1225.6	1.0	26.0	14
15	2236.0	2308.2	3.5	7.2	2230.3	2015.5	0.5	6.0	2222.8	1664.8	1.1	6.0	2210.7	1174.0	0.6	24.0	15
16	2235.9	2299.8	3.5	7.2	2230.1	2004.2	0.8	6.0	2222.5	1652.9	0.7	6.0	2209.2	1122.9	0.5	23.0	16
17	2235.7	2292.0	4.3	7.8	2229.8	1993.0	0.8	6.0	2222.3	1641.4	0.8	6.0	2207.7	1068.3	0.5	22.0	17
18	2235.6	2284.1	3.6	7.2	2229.6	1982.2	1.1	6.0	2222.0	1629.9	0.7	6.0	2206.1	1015.8	0.5	26.0	18
19	2235.5	2277.8	3.0	5.7	2229.4	1971.0	0.9	6.0	2221.8	1619.0	1.0	6.0	2204.7	967.4	0.5	22.0	19
20	2235.3	2271.6	2.6	5.4	2229.1	1959.4	0.5	5.7	2221.5	1608.2	1.0	6.0	2203.2	919.7	0.5	22.0	20
21	2235.2	2264.2	2.5	5.7	2228.9	1948.2	1.0	5.7	2221.3	1596.9	0.8	6.0	2201.6	872.3	0.6	22.0	21
22	2235.1	2256.4	2.3	5.7	2228.7	1936.7	0.7	5.7	2221.0	1585.6	1.0	6.0	2200.2	828.1	0.7	22.0	22
23	2234.9	2247.6	1.9	5.7	2228.4	1925.1	0.7	5.7	2220.8	1574.8	1.2	6.0	2198.6	781.9	0.5	22.0	23
24	2234.7	2238.8	1.9	5.7	2228.2	1913.1	0.4	5.7	2220.5	1563.7	1.1	6.0	2197.0	736.9	0.5	20.0	24
25	2234.5	2230.0	1.8	5.7	2228.0	1902.1	1.0	5.7	2220.2	1552.1	0.9	6.0	2195.4	695.3	0.5	20.0	25
26	2234.3	2219.1	1.1	5.7	2227.7	1889.7	0.4	5.7	2220.0	1541.4	1.1	6.0	2193.9	654.1	0.7	20.0	26
27	2234.2	2209.8	1.9	5.7	2227.5	1878.8	0.8	5.7	2219.7	1530.1	1.0	6.0	2192.3	615.3	0.9	20.0	27
28	2234.0	2199.5	1.2	5.7	2227.2	1867.4	0.6	5.7	2219.4	1518.7	1.0	6.0	2190.8	577.9	1.5	20.0	28
29	2233.8	2190.3	1.7	5.7	2227.0	1856.0	0.5	5.7	2219.2	1507.7	1.1	6.0	2189.7	542.2	1.8	19.2	29
30	2233.6	2179.6	1.0	5.7	2226.8	1844.8	0.6	5.7	2218.9	1497.7	2.1	6.6	2187.6	507.3	0.7	18.0	30
31					2226.5	1834.5	1.0	5.7	2218.7	1486.9	1.9	6.6					31
TOTAL			85.5	182.1			27.8	180.6			32.5	186.0			29.3	479.4	
Inf. Ac. Ft.			169.6				55.2				64.4				58.1		
Outf. Ac. Ft.			361.2 + (33.8)				358.2 + (42.0)				368.9 + (43.1)				950.9 + (86.7)		
Max. Mean Daily Inf.			4.7				1.5				2.1				1.8		
Min. Mean Daily Inf.			1.0				0.4				0.3				0.5		
Storage Change			-225.4				-345.1				-347.6				-979.5		

Max. W.S. Elev.	2265.28	feet on	10-1-74	Storage	4088.6	Acre-Feet		
Min. W.S. Elev.	2187.65	feet on	9-30-75	Storage	507.3	Acre-Feet		
Max. Peak Inf.	315	CFS from	0600	on 3-6-75	to 0800	on 3-6-75		
Max. Peak Outf.	94.2	CFS from	0800	on 10-3-74	to 1345	on 10-3-74		

REMARKS: ( ) Indicates average for period.
( ) Indicates evaporation and other losses.

DEVIL'S GATE DAM AND RESERVOIR

drainage area



PURPOSE -
Flood Control and Conservation

DATE CONSTRUCTED -
Started May 1919 - completed June 1920

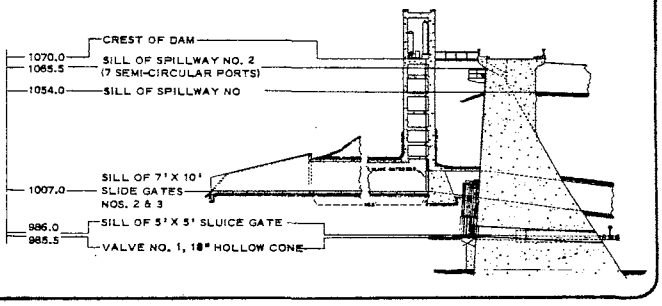
LOCATION -
On Arroyo Seco, northwest of Pasadena

DRAINAGE AREA - 31.9 square miles

CAPACITY - 1,928 acre-feet

SPILLWAY ELEVATION - 1,054.0 feet

cross-section



DEVILS GATE DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	ANNUAL AF	INFLOW MAX-DAY CFS	MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK MO	PEAK DAY	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	360	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	11504	792	0	11377	1	16	2650
1952-53	563	51	0	194	11	15	823
1953-54	1324	178	0	488	1	25	545
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	466	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

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

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

DEVIL'S GATE DAM

1974-75

DRAINAGE AREA 31.9 SQ. MI.
CAPACITY OF RESERVOIR 2186 AC. FT.
at SPILLWAY ELEVATION 1054 FT.
as of October, 19 73

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	987.0	0.0	0.0	0.0	1018.9	19.5	7.6	1.0	1006.0	3.4	0.3	0.3	1028.2	184.3	0.3	0.2	1
2	987.0	0.0	0.0	0.0	1018.4	17.5	0.8	1.0	1007.0	3.9	0.5	0.3	1028.1	181.8	0.3	0.2	2
3	987.0	0.0	0.0	0.0	1017.6	15.1	0.8	1.0	1011.8	6.6	1.9	0.2	1028.0	179.3	0.3	0.2	3
4	987.0	0.0	0.0	0.0	1017.2	13.8	0.8	1.0	1028.8	201.8	101.4	0.2	1028.0	177.1	0.5	0.2	4
5	987.0	0.0	0.0	0.0	1016.8	12.9	0.7	0.9	1028.5	194.3	1.9	0.2	1027.9	175.3	0.8	0.2	5
6	987.0	0.0	0.0	0.0	1016.4	12.1	0.7	0.9	1028.4	189.9	0.5	0.2	1027.8	172.9	0.4	0.2	6
7	1001.0	1.8	1.2	0.2	1016.1	11.5	1.0	0.9	1028.3	186.1	0.8	0.2	1027.8	170.8	0.5	0.2	7
8	1002.3	2.1	0.5	0.2	1015.6	10.7	0.7	0.9	1028.1	182.4	0.8	0.2	1027.7	168.8	0.5	0.2	8
9	1001.8	2.0	0.1	0.2	1015.4	10.3	0.7	0.8	1028.0	179.3	0	0.2	1027.6	166.4	0.4	0.2	9
10	1001.4	1.9	0.2	0.2	1015.0	9.7	0.6	0.8	1027.9	176.2	0	0.2	1027.5	164.3	0.5	0.2	10
11	1000.8	1.7	0.1	0.2	1014.7	9.4	0.6	0.8	1027.8	173.2	0	0.2	1027.5	161.9	0.4	0.2	11
12	1000.2	1.5	0.1	0.2	1014.1	8.6	0.6	0.8	1027.8	170.6	0	0.2	1027.4	159.8	0.5	0.2	12
13	999.8	1.4	0.1	0.2	1013.6	8.2	0.5	0.7	1027.6	167.6	0	0.2	1027.3	157.4	0.4	0.2	13
14	999.0	1.3	0.1	0.2	1013.2	7.7	0.5	0.7	1027.6	165.2	0	0.2	1027.3	155.9	0.8	0.2	14
15	998.4	1.1	0.1	0.2	1012.7	7.2	0.5	0.7	1027.5	162.5	0	0.2	1027.2	153.0	0.1	0.2	15
16	997.8	1.0	0.1	0.2	1012.2	6.8	0.5	0.7	1027.4	160.1	0	0.2	1027.1	150.9	0.5	0.2	16
17	997.2	0.9	0.2	0.2	1011.7	6.5	0.5	0.6	1027.3	157.4	0	0.2	1027.0	148.5	0.4	0.2	17
18	996.7	0.8	0.2	0.2	1011.2	6.1	0.4	0.6	1027.2	154.7	0	0.2	1026.9	146.5	0.6	0.2	18
19	996.2	0.8	0.2	0.2	1010.7	5.8	0.4	0.6	1027.1	152.1	0	0.2	1026.9	144.2	0.5	0.2	19
20	995.6	0.7	0.2	0.2	1010.2	5.5	0.4	0.6	1027.0	149.7	0	0.2	1026.8	142.1	0.6	0.2	20
21	995.3	0.6	0.2	0.2	1010.1	5.5	0.4	0.6	1027.0	147.1	0	0.2	1026.7	140.0	0.5	0.2	21
22	994.7	0.6	0.2	0.2	1009.6	5.2	0.4	0.5	1026.9	144.5	0	0.2	1026.6	137.5	0.3	0.2	22
23	994.0	0.5	0.2	0.2	1009.1	4.9	0.4	0.5	1026.8	141.7	0	0.2	1026.5	135.2	0.5	0.2	23
24	993.8	0.5	0.2	0.2	1008.5	4.6	0.4	0.5	1026.7	139.2	0	0.2	1026.5	133.0	0.5	0.2	24
25	992.3	0.3	0.1	0.2	1008.0	4.3	0.4	0.5	1026.6	136.9	0	0.2	1026.4	131.0	0.6	0.2	25
26	991.5	0.2	0.2	0.2	1007.0	3.8	0.3	0.4	1026.5	134.4	0	0.2	1026.3	128.7	0.5	0.2	26
27	995.3	0.6	0.5	0.2	1006.8	3.8	0.3	0.4	1026.4	132.1	0	0.2	1026.4	131.3	2.9	0.2	27
28	1015.4	10.4	6.0	1.0	1006.3	3.5	0.3	0.4	1028.5	193.0	33.4	0.2	1026.3	129.0	0.5	0.2	28
29	1014.3	8.9	0.6	1.0	1005.8	3.1	0.3	0.4	1028.4	192.1	2.2	0.2	1026.3	127.0	0.6	0.2	29
30	1013.7	8.2	1.0	1.0	1005.9	3.3	0.3	0.3	1228.4	190.2	1.8	0.2	1026.2	126.2	1.2	0.2	30
31	1012.9	7.4	0.9	1.0					1028.3	186.8	1.0	0.2	1026.1	124.2	0.6	0.2	31
TOTAL			13.3	8.2			22.8	20.5			146.3	6.4			18.1	6.2	
Inf. Ac. Ft.			26.4				45.2				290.2				35.8		
Outf. Ac. Ft.			16.3 + (2.6)				40.7 + (8.7)				12.7 + (94.2)				12.3 + (86.1)		
Max. Mean Daily Inf.			6.0				7.6				101.4				2.9		
Min. Mean Daily Inf.			0.0				0.3				0				0.1		
Storage Change			7.4				-4.1				183.4				-62.5		

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	1026.1	122.2	0.6	0.2	1030.0	241.4	0.1	0.2	1038.9	644.0	6.5	9.3	1036.3	497.1	0.8	0.8	1
2	1027.4	161.3	21.3	0.2	1029.9	238.5	0.3	0.2	1038.8	634.3	1.5	1.0	1036.2	490.4	0.7	0.6	2
3	1030.1	245.8	44.4	0.2	1029.8	236.2	0.6	0.2	1038.6	624.5	1.4	1.0	1036.1	483.2	0.4	0.6	3
4	1030.4	254.8	6.4	0.2	1029.9	239.4	0.6	0.2	1038.5	615.4	1.6	1.0	1035.9	477.3	1.1	0.7	4
5	1030.3	252.7	0.9	0.2	1032.5	332.2	50.7	1.8	1038.9	642.8	20.3	1.0	1035.8	471.2	0.9	0.7	5
6	1030.2	249.6	0.3	0.2	1040.1	719.0	237.1	35.0	1039.1	652.3	11.4	1.0	1035.7	465.6	1.3	0.8	6
7	1030.1	246.2	0.2	0.2	1040.1	719.0	36.1	29.0	1038.9	642.8	1.7	1.0	1035.6	460.0	1.2	0.8	7
8	1030.2	247.9	2.8	0.2	1041.9	856.8	84.5	4.1	1038.8	637.3	1.5	0.9	1035.5	454.4	1.3	0.9	8
9	1031.2	283.2	19.9	0.2	1041.9	857.9	15.0	1.7	1038.8	636.7	6.0	0.9	1035.3	449.3	1.4	0.9	9
10	1031.7	301.8	11.6	0.2	1042.6	898.0	34.1	1.0	1039.1	652.3	16.4	0.9	1035.2	442.3	0.5	0.9	10
11	1031.6	298.2	0.4	0.2	1042.3	887.2	7.7	1.1	1038.9	642.8	1.6	0.9	1035.1	436.6	1.1	0.9	11
12	1031.5	294.6	0.4	0.2	1042.0	865.8	2.3	1.1	1038.8	633.1	1.4	0.9	1035.0	431.2	1.2	0.9	12
13	1031.4	291.4	0.6	0.2	1042.1	886.4	24.3	1.1	1038.6	621.9	1.5	0.9	1034.8	426.0	1.2	0.9	13
14	1031.3	287.1	0	0.2	1042.3	890.6	16.0	1.1	1038.5	615.4	1.7	0.9	1034.7	420.0	0.8	0.9	14
15	1031.3	285.3	1.3	0.2	1042.1	869.2	2.7	1.1	1038.5	617.2	6.9	0.9	1034.6	414.3	1.1	0.9	15
16	1031.2	282.4	0.6	0.2	1041.8	848.6	1.2	1.1	1038.4	609.3	1.9	0.9	1034.4	409.3	0.8	0.8	16
17	1031.1	278.5	0	0.2	1041.5	827.1	0.6	1.1	1038.2	599.5	1.1	1.0	1034.3	404.5	1.1	0.8	17
18	1031.0	275.3	0.4	0.2	1041.3	807.9	0.8	1.1	1038.1	591.0	1.5	1.0	1034.2	399.4	0.9	0.8	18
19	1030.8	271.2	0	0.2	1041.0	787.1	0	1.1	1037.9	583.4	1.8	1.0	1034.1	396.0	1.7	0.8	19
20	1030.8	268.8	0.8	0.2	1040.8	769.8	0.8	1.1	1037.8	575.6	1.6	1.0	1034.2	399.0	5.0	0.8	20
21	1030.7	265.0	0.1	0.2	1040.5	752.6	0.2	1.1	1037.7	568.3	1.7	1.0	1034.1	393.4	0.6	0.8	21
22	1030.6	262.0	0.4	0.2	1040.9	778.4	22.9	1.1	1037.5	560.5	1.4	1.0	1034.0	388.7	1.1	0.8	22
23	1030.5	258.9	0.3	0.2	1040.6	760 5	0	1.1	1037.4	552.7	1.3	1.0	1033.9	384.3	1.2	0.8	23
24	1030.4	256.1	0.5	0.2	1040.4	745.5	0.9	1.0	1037.3	545.4	1.5	1.0	1033.7	379.1	0.7	0.8	24
25	1030.3	253.4	0.3	0.2	1040.3	735.5	3.4	1.0	1037.1	539.2	2.0	1.0	1033.6	374.7	1.1	0.8	25
26	1030.2	250.3	0.3	0.2	1040.1	719.7	0.2	1.0	1037.0	532.0	1.3	1.0	1033.5	369.5	0.6	0.8	26
27	1030.2	247.6	0.5	0.2	1039.9	706.0	0.9	1.0	1036.9	524.7	1.2	1.0	1033.4	364.7	0.8	0.8	27
28	1030.1	245.2	0.7	0.2	1039.7	693.4	1.3	1.0	1036.8	518.1	1.5	1.0	1033.3	359.9	0.7	0.7	28
29					1039.5	680.8	1.2	1.0	1036.6	510.9	1.2	1.0	1033.1	354.7	0.4	0.7	29
30					1039.3	669.6	1.3	1.0	1036.5	504.2	1.3		1033.0	349.9	0.6	0.7	30
31					1039.2	660.9	2.7	1.0					1032.9	345.4	0.6	0.7	31
TOTAL			116.2	5.6			553.5	95.9			163.7	37.6			32.5	24.6	
Inf. Ac. Ft.			230.5				1097.9				205.7				64.5		
Outf. Ac. Ft.			11.1 + (98.4)				190.2 + (491.9)				74.6 + (287.8)				48.8 + (174.5)		
Max. Mean Daily Inf.			44.4				237.1				20.3				5.0		
Min. Mean Daily Inf.			0				0				1.1				0.4		
Storage Change			120.9				415.8				-156.7				-158.9		

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	1032.8	340.5	0.4	0.7			0	0			0	0			0	0	1
2	1032.9	335.6	0.4	0.7			0	0			0	0			0	0	2
3	1032.5	331.1	0.6	0.7			0	0			0	0			0	0	3
4	1032.4	326.5	0.5	0.7			0	0			0	0			0	0	4
5	1032.3	322.0	0.5	0.7			0	0			0	0			0	0	5
6	1032.2	318.6	1.1	0.7			0	0			0	0			0	0	6
7	1032.0	312.6	0	0.7			0	0			0	0			0	0	7
8	1031.9	308.2	0.5	0.7			0	0			0	0			0	0	8
9	1031.8	303.9	0.5	0.7			0	0			0	0			0	0	9
10	1031.6	299.6	0.5	0.7			0	0			0	0			0	0	10
11	1031.5	295.3	0.5	0.7			0	0			0	0			0	0	11
12	1031.4	291.0	0.4	0.7			0	0			0	0			0	0	12
13	1031.3	286.7	0.4	0.7			0	0			0	0			0	0	13
14	1031.2	282.8	0.6	0.7			0	0			0	0			0	0	14
15	1031.1	278.5	0.4	0.7			0	0			0	0			0	0	15
16	1030.9	274.3	0.4	0.7			0	0			0	0			0	0	16
17	1029.8	234.5	0.4	19.9			0	0			0	0			0	0	17
18	1026.8	142.3	1.5	48.0			0	0			0	0			0	0	18
19	1022.6	49.0	0.4	46.0			0	0			0	0			0	0	19
20	987.0	0	1.8	28.5			0	0			0	0			0	0	20
21	987.0	0	0	0			0	0			0	0			0	0	21
22	987.0	0	0	0			0	0			0	0			0	0	22
23	987.0	0	0	0			0	0			0	0			0	0	23
24	987.0	0	0	0			0	0			0	0			0	0	24
25	987.0	0	0	0			0	0			0	0			0	0	25
26	987.0	0	0	0			0	0			0	0			0	0	26
27	987.0	0	0	0			0	0			0	0			0	0	27
28	987.0	0	0	0			0	0			0	0			0	0	28
29	987.0	0	0	0			0	0			0	0			0	0	29
30	987.0	0	0	0			0	0			0	0			0	0	30
31							0	0			0	0					31
TOTAL			14.1	153.6			0	0			0	0			0	0	
Inf. Ac. Ft.			28.0				0				0				0		
Outf. Ac. Ft.			304.7 + (68.6)				0				0				0		
Max. Mean Daily Inf.			9.3				0				0				0		
Min. Mean Daily Inf.			0				0				0				0		
Storage Change			-345.4				0				0				0		

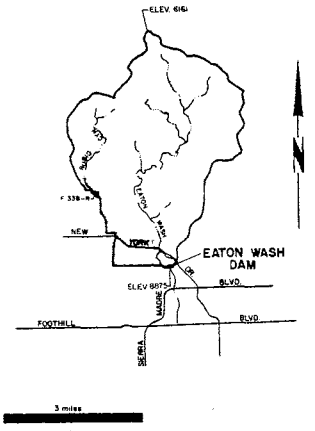
NO STORAGE

Max. W.S. Elev. 1042.5 feet on 3-11-75 Storage 903.8 Acre-Feet
Min. W.S. Elev. 987.2 feet on Various days Storage 0 Acre-Feet
Max. Peak Inf. 451 CFS from 0200 on 3-6-75 to 0400 on 3-6-75
Max. Peak Outf. 300 CFS from 0920 on 4-1-75 to 0930 on 4-1-75

REMARKS: ( ) Indicates average for period.
() Indicates percolation and other losses.

EATON WASH DAM AND RESERVOIR

drainage area



PURPOSE -
Debris Storage and Conservation

DATE CONSTRUCTED -
Started January 1936 - Completed February 1937

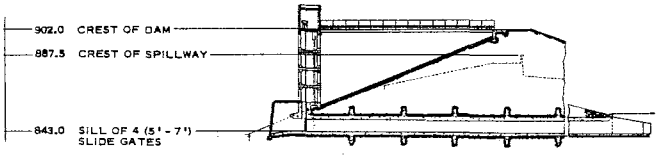
LOCATION -
Eaton Wash, northeast of Pasadena

DRAINAGE AREA - 12.4 square miles

CAPACITY - 879 acre-feet

SPILLWAY ELEVATION - 887.5 feet

cross-section



EATON DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	ANNUAL AF	INFLOW MAX-DAY CFS	MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK MO	PEAK DAY	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	4089	2	20	426
1941-42	78	11	0	0	12	10	73
1942-43	7212	498	0	4399	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	286
1946-47	746	74	0	507	11	13	286
1947-48	64	11	0	5.0	4	28	90
1948-49	36	4.7	0	1.2	1	20	10
1949-50	188	23	0	61	12	18	88
1950-51	44	3.8	0	7.5	1	11	80
1951-52	2636	151	0	2020	1	16	495
1952-53	145	18	0	0	12	1	225
1953-54	533	56	0	202	1	19	220
1954-55	146	14	0	0	1	18	91
1955-56	330	123	0	151	1	26	422
1956-57	127	20	0	9.7	2	23	138
1957-58	3114	150	0	2268	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	1724	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

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

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

Eaton Wash Dam

1974-75

DRAINAGE AREA 12.42 SQ. MI.
CAPACITY OF RESERVOIR 783.9 AC. FT.,
at SPILLWAY ELEVATION 887.5 FT.,
as of January, 19 75

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1			0	0	846.6	0.1	0	0	846.6	0.1	0	0	855.9	24.4	0	0.3	1
2			0	0	846.6	0.1	0	0	846.6	0.1	0	0	855.7	23.3	0	0.3	2
3			0	0	846.6	0.1	0	0	849.6	0.9	0.6	0	855.5	22.3	0	0.3	3
4			0	0	846.6	0.1	0	0	858.9	48.2	25.9	0.5	855.3	21.1	0	0.3	4
5			0	0	846.6	0.1	0	0	858.6	45.3	0.6	0.5	855.4	19.9	0	0.3	5
6			0	0	846.6	0.1	0	0	858.4	44.6	0	0.5	855.9	18.7	0	0.3	6
7			0	0	846.6	0.1	0	0	858.1	40.9	0	0.5	854.7	17.4	0	0.3	7
8			0	0	846.6	0.1	0	0	857.9	39.8	0	0.5	854.5	16.2	0	0.3	8
9			0	0	846.5	0.1	0	0	857.7	37.7	0	0.5	854.2	14.8	0	0.3	9
10			0	0	846.6	0.1	0	0	857.6	36.4	0	0.5	854.0	13.5	0	0.3	10
11			0	0	846.6	0.1	0	0	857.4	35.2	0	0.5	853.7	12.1	0	0.3	11
12			0	0	846.6	0.1	0	0	857.2	33.9	0	0.5	853.4	10.7	0	0.3	12
13			0	0	846.5	0.1	0	0	857.1	32.7	0	0.5	853.0	9.1	0	0.3	13
14			0	0	846.6	0.1	0	0	856.9	31.6	0	0.4	852.7	7.7	0	0.3	14
15			0	0	846.6	0.1	0	0	856.8	30.5	0	0.4	852.3	6.3	0	0.3	15
16			0	0	846.6	0.1	0	0	856.6	29.4	0	0.4	851.9	4.8	0	0.3	16
17			0	0	846.6	0.1	0	0	856.5	28.4	0	0.4	851.3	3.5	0	0.3	17
18			0	0	846.6	0.1	0	0	856.3	27.1	0	0.4	850.8	2.3	0	0.3	18
19			0	0	846.6	0.1	0	0	856.1	25.9	0	0.4	850.3	1.6	0	0.3	19
20			0	0	846.6	0.1	0	0	855.9	24.8	0	0.4	850.0	1.1	0	0.2	20
21			0	0	846.6	0.1	0	0	855.8	23.7	0	0.4	849.8	1.1	0.2	0.2	21
22			0	0	846.6	0.1	0	0	855.6	22.7	0	0.4	849.7	0.9	0	0	22
23			0	0	846.6	0.1	0	0	855.4	21.7	0	0.4	849.5	0.8	0	0	23
24			0	0	846.6	0.1	0	0	855.3	20.6	0	0.3	849.3	0.7	0	0	24
25			0	0	846.6	0.1	0	0	855.1	19.6	0	0.3	849.1	0.5	0	0	25
26			0	0	846.6	0.1	0	0	854.9	18.5	0.7	0.3	848.8	0.4	0	0	26
27	844.9	0.0	0	0	846.6	0.1	0	0	854.7	17.5	0.6	0.3	849.8	1.0	0.5	0	27
28	846.6	0.1	1.1	1.0	846.6	0.1	0	0	856.5	28.7	7.1	0.3	849.6	0.9	0.1	0	28
29	846.6	0.1	0.1	0.1	846.6	0.1	0	0	856.4	27.7	0.7	0.3	849.4	0.8	0.1	0	29
30	846.6	0.1	0.1	0.1	846.6	0.1	0	0	856.2	26.6	0	0.3	849.4	0.7	0.1	0	30
31	846.6	0.1	0.1	0.1					856.0	25.5	0	0.3	849.2	0.6	0	0	31
TOTAL			1.4	1.3			0	0			36.7	11.4			1.0	6.1	
Inf. Ac. Ft.			2.7				0				72.8				2.0		
Outf. Ac. Ft.			2.6				0				22.6 + (24.8)				12.1 + (14.7)		
Max. Mean Daily Inf.			1.1				0				25.9				0.5		
Min. Mean Daily Inf.			0				0				0				0		
Storage Change			0.1				0				35.4				-24.8		

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	849.0	0.5	0	0	850.8	2.3	0	0.5	855.9	24.7	0.1	0.2	845.1	0	0	0.4	1
2	852.2	6.0	3.3	0.5	850.2	1.7	0.2	0.6	855.8	24.1	0.1	0.1	845.1	0	0	0	2
3	856.2	25.3	12.9	0.5	850.1	1.5	0.2	0.4	855.7	23.5	0	0	845.1	0	0	0	3
4	856.2	26.6	1.4	0.5	850.0	1.2	0.4	0.3	855.6	22.3	0	0	845.1	0	0	0	4
5	858.0	29.1	2.8	0.5	853.9	13.0	7.4	0.2	857.3	34.4	7.2	0	845.1	0	0	0	5
6	855.8	23.8	0.8	0.5	867.2	163.0	79.7	0	858.5	43.9	6.3	0	845.1	0	0	0	6
7	855.5	22.5	0	0.5	867.7	171.0	7.7	0	858.3	42.5	0.9	1.7	845.1	0	0	0	7
8	855.4	21.3	0.9	0.5	869.9	216.5	35.3	0	857.1	32.6	0.8	3.1	845.1	0	0	0	8
9	856.8	24.1	2.9	0.5	870.3	224.8	8.8	0	857.0	32.3	4.2	3.2	845.1	0	0	0	9
10	856.1	25.9	2.4	0.5	871.2	244.7	14.4	0	855.1	40.6	8.6	3.0	845.1	0	0	0	10
11	855.9	24.6	0.9	0.5	871.4	250.6	7.5	0	858.4	43.0	4.7	2.0	845.1	0	0	0	11
12	855.7	23.4	0.9	0.5	869.7	212.1	1.3	16.8	858.9	48.0	4.5	0.4	845.1	0	0	0	12
13	855.5	22.2	0	0.5	867.6	170.4	9.5	37.0	859.3	52.0	3.8	0.1	845.1	0	0	0	13
14	855.3	20.9	0	0.5	865.1	125.5	7.1	37.0	859.7	55.4	3.4	0	845.1	0	0	0	14
15	855.1	19.7	0	0.5	861.7	78.6	2.3	28.6	860.4	63.4	5.9	0	845.1	0	0	0	15
16	854.9	18.5	0	0.3	857.7	37.2	1.6	21.0	860.7	66.4	3.4	0	845.1	0	0	0	16
17	854.7	17.3	0	0.5	854.1	14.4	2.1	12.7	860.9	68.5	3.0	0	845.1	0	0	0	17
18	854.5	16.0	0	0.5	853.6	16.7	2.4	0.3	861.0	69.7	2.6	0	845.1	0	0	0	18
19	854.3	14.8	0	0.5	854.7	17.4	1.5	0.3	861.0	70.3	2.2	0	845.1	0	0	0	19
20	854.0	13.5	0	0.3	854.6	17.2	1.1	0.3	861.1	70.4	2.1	0	845.1	0	0	0	20
21	853.7	12.2	0	0.5	854.5	16.6	0.9	0.3	861.1	70.5	2.1	0	845.1	0	0	0	21
22	853.4	11.0	0	0.5	856.4	28.1	7.2	0.3	861.1	70.6	2.1	0	845.1	0	0	0	22
23	853.2	9.7	0	0.3	858.5	28.7	1.7	0.3	861.1	70.5	1.9	0	845.1	0	0	0	23
24	852.8	8.3	0	0.5	856.4	28.1	1.1	0.3	861.1	70.4	1.9	0	845.1	0	0	0	24
25	852.5	7.1	0	0.5	856.5	28.5	1.6	0.3	861.1	71.2	2.4	0	845.1	0	0	0	25
26	852.2	5.8	0	0.5	856.4	28.0	1.1	0.3	861.1	70.6	1.7	0	845.1	0	0	0	26
27	851.8	4.7	0	0.5	856.3	27.5	1.2	0.3	861.0	70.1	1.7	0	845.1	0	0	0	27
28	851.3	3.4	0	0.5	856.2	26.9	0	0.3	860.0	59.1	0.3	4.0	845.1	0	0	0	28
29					856.1	26.3	0	0.3	857.8	38.3	0	8.4	845.1	0	0	0	29
30					856.1	25.7	0	0.3	854.9	18.7	0	8.4	845.1	0	0	0	30
31					856.0	25.2	0	0.3					845.1	0	0	0	31
TOTAL			27.0	13.5			195.0	134.7			77.9	34.6			0	5.4	
Inf. Ac. Ft.			53.5				386.8				154.5				0		
Outf. Ac. Ft.			26.8 + (24.0)				267.2 + (97.8)				68.6 + (92.4)				18.6		
Max. Mean Daily Inf.			12.0				78.7				8.6				0		
Min. Mean Daily Inf.			0				0				0				0		
Storage Change			2.8				21.8				-6.5				-18.6		

Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1			0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0			0	0			0	0			0	0	30
31							0	0			0	0					31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0		
Outf. Ac. Ft.			0				0				0				0		
Max. Mean Daily Inf.			0				0				0				0		
Min. Mean Daily Inf.			0				0				0				0		
Storage Change			0				0				0				0		

Max. W.S. Elev. 871.45 feet on 3-12-75 Storage 251.2 Acre-Feet

Min. W.S. Elev. 844.0 feet on various days Storage 0 Acre-Feet

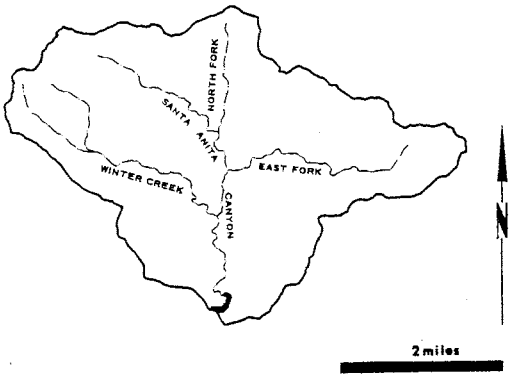
Max. Peak Inf. 81.3 CFS from 1200 on 3-6-75 to 1600 on 3-6-75

Max. Peak Outf. 27.0 CFS from 1500 on 3-12-75 to 1600 on 3-12-75

REMARKS: ( ) Indicates percolation and other losses.

SANTA ANITA DAM AND RESERVOIR

drainage area



PURPOSE -
Flood Control and Conservation

DATE CONSTRUCTED -
Started October 1924 - Completed March 1927

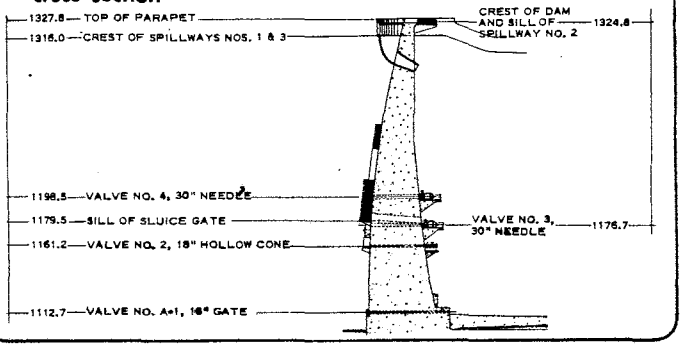
LOCATION - 2.5 miles north of Arcadia

DRAINAGE AREA - 10.8 square miles

CAPACITY - 836 acre-feet

SPILLWAY ELEVATION - 1,316.0 feet

cross-section



SANTA ANITA DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO	PEAK INFLOW 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	10	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	8816	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	4442	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	1448	2	9	368
1963-64	1219	32	+	1144	4	1	53
1964-65	2034	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	1.0	2859	2	28	208
1970-71	3211	184	1.0	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

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

SANTA ANITA DAM

1974-75

DRAINAGE AREA 10.5 SQ. MI.
CAPACITY OF RESERVOIR 787 AC. FT.,
at SPILLWAY ELEVATION 1216 FT.,
as of October, 19 73

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	1273.8	328.4	1.5	0.2	1281.8	354.7	3.3	17.5	1273.9	329.6	1.8	0.2	1267.5	277.0	2.3	0.2	1
2	1274.1	331.2	1.6	0.2	1282.4	358.9	2.3	0.2	1274.3	332.5	1.5	0.2	1269.1	281.4	2.4	0.2	2
3	1274.4	333.6	1.5	0.2	1283.1	361.1	2.4	0.2	1274.6	335.5	1.8	0.2	1283.6	285.6	2.4	0.2	3
4	1274.7	336.2	1.6	0.2	1263.9	247.2	2.3	0.2	1279.5	378.8	42.0	0.2	1289.1	289.7	2.4	0.2	4
5	1274.9	338.3	1.5	0.2	1264.1	250.8	2.1	0.2	1280.6	388.9	5.3	0.2	1269.6	293.8	2.2	0.2	5
6	1275.3	341.4	1.8	0.2	1264.5	254.3	2.0	0.2	1281.3	395.6	3.6	0.2	1270.1	297.9	2.3	0.2	6
7	1275.7	344.6	1.9	0.2	1265.0	257.8	2.0	0.2	1281.8	400.9	2.9	0.3	1270.6	301.8	2.2	0.2	7
8	1276.1	348.1	2.0	0.2	1265.5	261.2	2.0	0.2	1282.3	405.4	2.5	0.2	1271.1	306.1	2.4	0.2	8
9	1276.4	351.2	1.8	0.2	1265.9	264.3	1.9	0.2	1279.0	374.4	3.5	19.0	1271.6	310.1	2.2	0.2	9
10	1276.8	354.4	1.9	0.2	1266.3	267.8	2.0	0.2	1273.1	322.4	1.9	28.0	1272.1	314.0	2.2	0.2	10
11	1277.1	357.3	1.7	0.2	1266.8	271.2	2.0	0.2	1266.6	270.1	1.6	28.0	1272.6	318.0	2.3	0.2	11
12	1277.4	360.0	1.6	0.2	1267.2	274.5	1.9	0.2	1259.7	220.3	1.9	27.0	1273.0	322.0	2.2	0.2	12
13	1277.7	362.8	1.7	0.2	1267.6	277.4	1.8	0.2	1255.5	193.6	2.5	16.0	1273.5	325.9	2.2	0.2	13
14	1277.9	364.6	1.2	0.2	1267.9	279.5	1.4	0.2	1256.3	198.2	2.6	0.2	1273.9	329.3	2.0	0.2	14
15	1278.1	366.3	1.2	0.2	1268.1	281.0	1.2	0.2	1256.9	202.4	2.4	0.2	1274.3	332.7	2.0	0.2	15
16	1278.4	369.0	1.7	0.2	1268.7	286.1	1.8	0.2	1257.6	206.6	2.3	0.2	1274.7	336.3	2.1	0.2	16
17	1278.6	370.8	1.3	0.2	1269.0	288.9	1.9	0.2	1258.2	210.5	2.2	0.2	1275.1	339.5	1.9	0.2	17
18	1278.9	373.3	1.6	0.2	1269.4	291.5	1.7	0.2	1258.8	214.2	2.1	0.2	1275.5	343.1	2.1	0.2	18
19	1279.1	375.3	1.3	0.2	1269.8	295.0	1.9	0.2	1259.3	217.9	2.1	0.2	1275.8	345.9	1.7	0.2	19
20	1279.3	377.3	1.2	0.2	1270.1	298.7	2.1	0.2	1259.9	221.8	2.2	0.2	1276.1	348.8	1.6	0.2	20
21	1279.6	379.9	1.5	0.2	1270.4	299.9	3.5	2.8	1260.5	225.5	2.3	0.2	1276.6	352.8	2.3	0.2	21
22	1279.8	381.6	1.2	0.2	1270.8	303.4	2.0	0.2	1261.0	229.0	1.9	0.2	1276.9	355.5	1.6	0.2	22
23	1280.2	385.3	2.0	0.2	1271.3	305.9	2.0	0.2	1261.4	231.8	1.6	0.2	1277.3	359.1	2.1	0.2	23
24	1280.4	387.3	1.3	0.2	1271.6	309.8	1.8	0.2	1261.9	235.2	2.0	0.2	1277.7	362.4	2.0	0.2	24
25	1280.7	390.0	1.5	0.2	1271.9	312.7	1.8	0.2	1262.4	238.6	2.0	0.2	1278.0	365.5	1.9	0.2	25
26	1281.1	393.9	2.2	0.2	1272.3	315.7	1.8	0.2	1262.9	242.3	2.0	0.2	1278.3	368.5	1.8	0.2	26
27	1281.3	395.6	1.1	0.2	1272.6	318.5	1.7	0.2	1263.4	245.9	2.0	0.2	1278.7	371.7	1.9	0.2	27
28	1282.1	403.3	4.1	0.2	1273.0	321.4	1.7	0.2	1264.5	253.9	4.2	0.2	1279.1	375.3	2.0	0.2	28
29	1279.5	369.9	1.8	18.6	1273.3	324.1	1.6	0.2	1265.5	261.3	3.2	0.2	1279.5	379.0	2.1	0.2	29
30	1272.4	315.7	2.2	39.0	1273.6	326.9	1.7	0.2	1266.2	266.8	2.9	0.2	1279.8	382.0	1.7	0.2	30
31	1265.7	262.8	0.9	28.0					1267.0	272.8	3.3	0.2	1280.3	386.4	2.5	0.2	31
TOTAL			51.2	91.2			59.9	25.9			97.1	123.2			65.3	6.2	
Inf. Ac. Ft.			101.5				118.8				192.6				129.5		
Outf. Ac. Ft.			161.1 + (3.7)				51.4 + (3.4)				244.4 + (2.4)				12.1 + (3.6)		
Max. Mean Daily Inf.			4.1				3.5				22.0				2.5		
Min. Mean Daily Inf.			0.9				1.4				1.5				1.6		
Storage Change			-63.2				64.1				-54.1				113.7		

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	1280.7	389.9	2.0	0.2	1287.9	479.6	2.6	0.2	1276.3	354.6	5.2	12.9	1267.6	274.5	3.6	3.6	1
2	1281.0	393.4	2.0	0.2	1288.4	483.6	2.3	0.2	1273.1	323.9	8.1	32.0	1268.2	284.2	5.4	0.2	2
3	1282.9	410.9	9.0	0.2	1268.9	287.5	2.2	0.2	1269.1	291.0	5.3	21.0	1269.8	294.2	5.2	5.2	3
4	1281.0	392.9	6.8	15.8	1269.3	291.0	2.0	0.2	1267.2	274.3	4.4	12.7	1271.6	305.0	5.5	0.2	4
5	1276.7	353.9	6.1	26.0	1269.9	296.2	1.9	0.2	1268.6	293.4	9.8	0.2	1273.1	314.1	4.8	0.2	5
6	1272.0	313.2	5.5	25.0	1278.1	366.4	35.6	0.2	1272.1	314.0	10.6	0.2	1273.2	323.3	4.9	0.2	6
7	1269.4	292.0	4.3	14.9	1291.4	397.2	15.7	0.2	1270.8	303.2	7.3	12.7	1274.2	331.7	4.5	0.2	7
8	1270.3	298.9	3.7	0.2	1287.8	458.7	31.2	0.2	1267.8	279.0	7.9	0.3	1275.1	340.1	4.5	0.2	8
9	1271.9	312.7	7.2	0.2	1290.8	489.2	15.5	0.2	1264.8	256.1	8.5	20.0	1276.1	348.4	4.5	0.2	9
10	1273.9	329.3	8.5	0.2	1293.7	519.7	15.2	0.2	1262.9	242.3	12.7	18.6	1276.9	355.5	4.8	0.2	10
11	1275.2	340.5	5.9	0.2	1293.4	516.6	13.0	14.8	1264.0	250.4	16.4	12.3	1277.7	362.6	5.2	0.2	11
12	1276.2	349.4	4.8	0.2	1290.6	487.1	9.4	24.0	1267.2	274.3	12.3	0.2	1278.2	366.3	4.8	12.0	12
13	1277.1	357.7	4.4	0.2	1288.0	460.7	10.7	24.0	1270.0	296.8	11.5	0.2	1270.3	293.1	5.2	26.0	13
14	1277.9	364.6	3.7	0.2	1286.8	448.8	16.0	22.0	1272.5	317.4	10.7	0.2	1281.1	358.3	4.2	25.0	14
15	1278.6	371.0	3.4	0.2	1285.3	434.2	11.6	19.0	1273.1	322.4	11.3	0.2	1285.1	398.6	4.0	16.9	15
16	1279.3	376.7	3.2	0.2	1283.5	416.3	10.2	19.0	1274.2	331.8	11.2	16.0	1283.7	384.4	4.2	0.2	16
17	1279.8	381.3	2.8	0.2	1281.5	397.6	9.7	19.0	1270.9	304.2	8.1	22.0	1264.3	252.0	4.1	0.2	17
18	1276.9	355.9	2.2	15.2	1279.3	377.2	8.7	19.0	1270.1	298.9	10.9	13.5	1265.3	259.8	4.2	0.2	18
19	1271.9	312.1	2.0	24.0	1276.8	355.0	7.3	18.4	1271.3	311.1	6.9	0.2	1266.4	268.1	4.8	0.2	19
20	1266.4	268.1	1.9	24.0	1274.5	334.7	6.6	16.8	1273.5	326.7	8.1	0.2	1267.6	277.3	4.8	0.2	20
21	1262.9	242.1	1.6	14.6	1272.3	315.3	5.8	16.6	1272.3	316.9	9.1	13.5	1268.6	285.3	4.3	2.4	21
22	1263.6	247.4	2.9	0.2	1271.3	307.1	11.3	15.4	1268.3	283.4	8.6	23.0	1269.4	291.8	3.5	0.2	22
23	1264.3	252.2	2.7	0.2	1269.3	291.4	7.5	15.4	1264.0	250.4	7.4	24.0	1270.3	299.5	4.1	0.2	23
24	1265.0	257.8	3.1	0.2	1269.6	293.4	7.2	6.1	1259.4	219.2	6.8	23.0	1271.1	305.7	3.4	0.2	24
25	1265.6	262.1	2.4	0.2	1271.2	307.3	7.5	0.2	1257.4	205.3	7.4	14.0	1271.8	311.7	3.3	0.2	25
26	1266.2	266.8	2.6	0.2	1272.8	320.2	6.5	0.2	1258.2	210.2	2.7	0.2	1272.3	317.8	3.3	0.2	26
27	1266.7	270.4	2.1	0.2	1274.1	331.4	5.9	0.2	1261.0	229.2	9.9	0.2	1273.3	324.0	3.4	0.2	27
28	1267.3	274.8	2.4	0.2	1275.3	341.8	5.5	0.2	1262.7	240.9	6.1	0.2	1274.0	329.9	3.6	6.2	28
29					1276.4	351.3	5.1	0.2	1264.3	252.0	5.9	0.2	1274.6	335.3	3.0	0.2	29
30					1277.3	360.2	5.0	0.2	1265.8	263.2	5.9	0.2	1275.2	340.3	2.8	0.2	30
31					1278.3	369.9	5.0	0.2					1275.7	345.1	2.6	0.2	31
TOTAL			109.1	164.5			301.9	252.9			252.8	305.8			136.1	87.3	
Inf. Ac. Ft.			216.4				598.8				501.5				258.1		
Outf. Ac. Ft.			326.3 + (1.8)				501.6 + (2.1)				806.5 + (1.6)				173.2 + (3.1)		
Max. Mean Daily Inf.			9.0				35.6				16.4				5.8		
Min. Mean Daily Inf.			1.5				2.0				2.7				2.6		
Storage Change			-111.6				95.1				-106.7				31.9		

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	1276.3	350.2	2.8	0.2	1256.6	200.5	2.0	36.0			0.2	0.2			0.2	0.2	1
2	1272.9	320.7	1.9	16.7	1246.0	137.0	2.1	34.0			0.6	0.2			0.2	0.2	2
3	1266.9	278.4	1.7	25.0	1241.8	115.1	2.2	13.2			0.2	0.2			0.2	0.2	3
4	1260.8	237.3	2.3	25.0	1240.6	118.0	2.2	0.2			0.2	0.2			0.2	0.2	4
5	1256.8	201.5	1.8	14.8	1243.3	122.6	3.1	0.2			0.2	0.2			0.2	0.2	5
6	1253.8	207.5	3.3	0.2	1243.9	125.7	1.9	0.2			0.3	0.3			0.2	0.2	6
7	1256.5	212.7	2.9	0.2	1238.0	96.1	1.5	16.4			0.3	0.3			0.2	0.2	7
8	1259.1	217.6	2.7	0.2	1231.0	67.1	1.8	16.1			0.3	0.3			0.2	0.2	8
9	1260.3	224.6	3.8	0.2	1229.9	63.8	2.2	4.0			0.3	0.3			0.2	0.2	9
10	1261.0	229.4	2.6	0.2	1226.8	54.3	2.0	6.7			0.3	0.3			0.2	0.2	10
11	1261.4	231.8	1.5	0.2	1226.3	53.0	2.9	2.7			0.3	0.3			0.2	0.2	11
12	1262.0	235.9	2.3	0.2	1227.1	55.4	1.4	0.2			0.3	0.3			0.2	0.2	12
13	1262.6	240.3	2.5	0.2	1227.9	57.8	1.4	0.2			0.3	0.3			0.2	0.2	13
14	1263.2	244.4	2.3	0.2	1196.5	0.6	0.7	29.5			0.2	0.3			0.2	0.2	14
15	1263.8	248.8	2.4	0.2	1196.2	0.5	0.1	0.2			0.3	0.3			0.2	0.2	15
16	1264.5	253.9	2.8	0.2	1196.0	0.5	0.2	0.2			0.3	0.3			0.2	0.2	16
17	1265.3	259.4	3.1	0.2	1195.3	0.3	0.1	0.2			0.3	0.3			0.2	0.2	17
18	1266.9	264.3	2.8	0.2	1193.6	0.0	0.1	0.2			0.3	0.3			0.2	0.2	18
19	1266.1	269.3	2.7	0.2			0.2	0.2			0.3	0.3			0.2	0.2	19
20	1267.2	274.7	2.9	0.2			0.2	0.2			0.3	0.3			0.2	0.2	20
21	1267.8	279.1	2.4	0.2			0.2	0.2			0.4	0.3			0.2	0.2	21
22	1268.4	283.7	2.6	0.2			0.2	0.2			0.3	0.3			0.2	0.2	22
23	1268.9	287.7	2.3	0.2			0.2	0.2			0.3	0.4			0.2	0.2	23
24	1269.4	292.2	2.5	0.2			0.2	0.2			0.3	0.3			0.2	0.2	24
25	1269.9	296.2	2.3	0.2			0.2	0.2			0.3	0.3			0.2	0.2	25
26	1270.4	299.9	2.2	0.2			0.2	0.2			0.3	0.3			0.2	0.2	26
27	1270.8	303.6	2.2	0.2			0.2	0.2			0.3	0.3			0.2	0.2	27
28	1271.3	307.2	2.1	0.2			0.2	0.2			0.3	0.3			0.2	0.2	28
29	1271.7	310.5	1.9	0.2			0.2	0.2			0.3	0.3			0.2	0.2	29
30	1266.4	268.1	0.7	22.0			0.2	0.2			0.3	0.3			0.2	0.2	30
31							0.2	0.2			0.3	0.3					31
TOTAL			72.2	109.3			28.6	163.2			8.8	8.8			6.0	7.0	
Inf. Ac. Ft.			143.3				52.7				17.5				11.9		
Outf. Ac. Ft.			217.2 + (3.0)				323.7 + (1.2)				17.5				11.9		
Max. Mean Daily Inf.			3.8				2.2				0.3				0.2		
Min. Mean Daily Inf.			0.7				0.1				0.2				0.2		
Storage Change			-76.2				-271.1				0				0		

NO STORAGE

Max. W.S. Elev. 1294.75 feet on 4-11-75 Storage 530.5 Acre-Feet

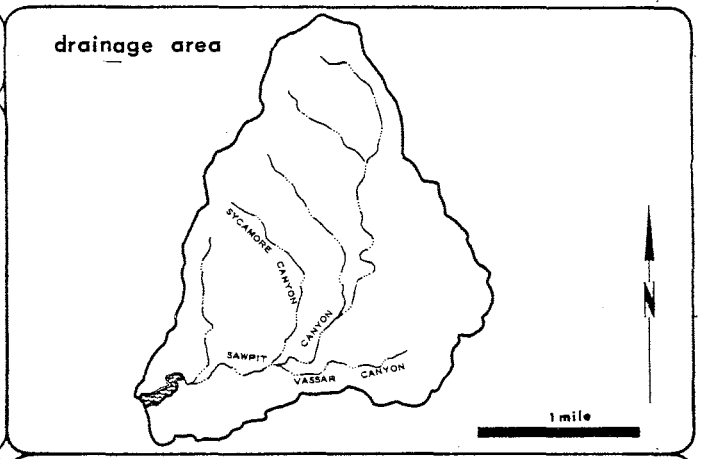
Min. W.S. Elev. 1193.60 feet on Various days Storage 0 Acre-Feet

Max. Peak Inf. 54 CFS from 0600 on 3-6-75 to 0800 on 3-6-75

Max. Peak Outf. 266 CFS from 1145 on 11-21-74 to 1148 on 11-21-74

REMARKS: ( ) Indicates evaporation and other losses.

SAWPIT DAM AND RESERVOIR



PURPOSE -
Flood Control and Conservation

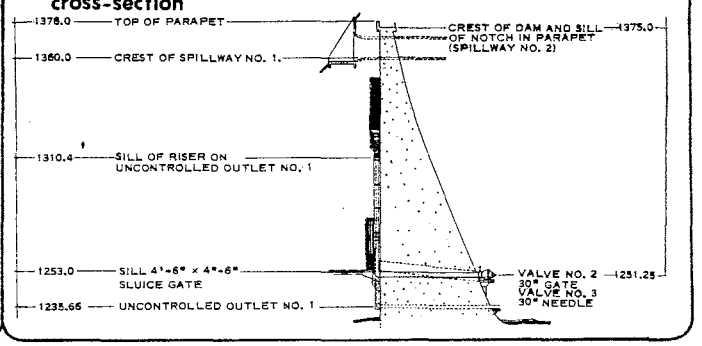
DATE CONSTRUCTED -
Started March 1926 - Completed June 1927

LOCATION - 2.0 miles north of Monrovia

DRAINAGE AREA - 3.2 square miles

CAPACITY - 391 acre-feet

SPILLWAY ELEVATION - 1,360.0 feet



SAWPIT DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO	DAY	CFS
1927-28	26	N.D.	0	30			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	668	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	1870
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	7.4
1950-51	32	0.8	0	32	1	11	2.4
1951-52	1112	60	0	1092	1	16	224
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	14
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

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

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

SAWPIT DAM

1974-75

DRAINAGE AREA 3.24 SQ. MI.
CAPACITY OF RESERVOIR 371.2 AC. FT.,
at SPILLWAY ELEVATION 1360 FT.,
as of September, 19 73

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	1310.4	80.1	1.0	1.0	1310.4	80.1	1.6	1.6	1310.4	80.1	0.9	0.9	1310.4	80.2	1.3	1.3	1
2	1310.4	80.1	1.0	1.0	1310.4	80.1	1.5	1.5	1310.4	80.1	0.9	0.9	1310.4	80.2	1.3	1.3	2
3	1310.4	80.1	1.2	1.2	1310.4	80.1	1.6	1.6	1310.4	80.2	1.0	1.0	1310.4	80.2	1.3	1.3	3
4	1310.4	80.1	1.3	1.3	1310.4	80.1	1.6	1.6	1310.5	80.5	5.9	5.7	1310.4	80.2	1.3	1.3	4
5	1310.4	80.1	1.4	1.4	1310.4	80.1	1.6	1.6	1310.4	80.2	1.6	1.6	1310.4	80.2	1.3	1.3	5
6	1310.4	80.1	1.5	1.5	1310.4	80.1	1.4	1.4	1310.4	80.2	1.5	1.5	1310.4	80.2	1.3	1.3	6
7	1310.4	80.1	1.6	1.6	1310.4	80.1	1.4	1.4	1310.4	80.2	1.4	1.4	1310.4	80.2	1.3	1.3	7
8	1310.4	80.1	1.6	1.6	1310.4	80.1	1.2	1.2	1310.4	80.2	1.4	1.4	1310.4	80.2	1.3	1.3	8
9	1310.4	80.1	1.6	1.6	1310.4	80.1	1.1	1.1	1310.4	80.2	1.3	1.3	1310.4	80.2	1.3	1.3	9
10	1310.4	80.1	1.5	1.5	1310.4	80.1	1.1	1.1	1310.4	80.1	1.2	1.2	1310.4	80.2	1.3	1.3	10
11	1310.4	80.1	1.5	1.5	1310.4	80.1	0.9	0.9	1310.4	80.2	1.3	1.3	1310.5	80.3	1.3	1.3	11
12	1310.4	80.1	1.5	1.5	1310.4	80.1	0.9	0.9	1310.4	80.2	1.3	1.3	1310.5	80.2	1.3	1.3	12
13	1310.4	80.1	1.3	1.3	1310.4	80.1	0.9	0.9	1310.4	80.2	1.3	1.3	1310.3	79.9	1.0	1.0	13
14	1310.4	80.1	1.3	1.3	1310.4	80.1	0.7	0.7	1310.4	80.2	1.3	1.3	1310.3	79.9	1.2	1.2	14
15	1310.4	80.1	1.2	1.2	1310.4	80.1	0.9	0.9	1310.4	80.2	1.3	1.3	1310.3	79.9	1.2	1.2	15
16	1310.4	80.1	1.2	1.2	1310.4	80.2	1.1	1.1	1310.4	80.2	1.3	1.3	1310.3	79.9	1.2	1.2	16
17	1310.4	80.1	1.1	1.1	1310.4	80.1	1.2	1.2	1310.4	80.2	1.3	1.3	1310.3	79.9	1.2	1.2	17
18	1310.4	80.1	1.1	1.1	1310.4	80.2	1.2	1.2	1310.4	80.2	1.2	1.3	1310.3	79.9	1.2	1.2	18
19	1310.4	80.1	1.0	1.0	1310.4	80.2	1.2	1.2	1310.4	80.1	1.3	1.3	1310.3	79.9	1.2	1.2	19
20	1310.4	80.1	1.2	1.2	1310.4	80.1	1.2	1.2	1310.4	80.2	1.3	1.3	1310.3	79.9	1.2	1.2	20
21	1310.4	80.1	1.5	1.5	1310.4	80.2	1.2	1.2	1310.4	80.2	1.3	1.3	1310.3	79.9	1.2	1.2	21
22	1310.4	80.1	1.5	1.5	1310.4	80.1	1.1	1.1	1310.6	80.7	1.6	1.3	1310.3	79.9	1.3	1.3	22
23	1310.4	80.1	1.5	1.5	1310.4	80.2	1.1	1.1	1310.4	80.1	1.0	1.3	1310.1	79.2	1.3	1.3	23
24	1310.4	80.1	1.5	1.5	1310.4	80.1	0.9	0.9	1310.4	80.1	1.3	1.3	1310.3	79.9	1.3	1.3	24
25	1310.4	80.1	1.4	1.4	1310.4	80.1	0.9	0.9	1310.4	80.1	1.3	1.3	1310.3	79.9	1.3	1.3	25
26	1310.4	80.1	1.4	1.4	1310.4	80.1	0.9	0.9	1310.4	80.1	1.3	1.3	1310.3	79.9	1.4	1.4	26
27	1310.4	80.1	1.4	1.4	1310.4	80.1	0.9	0.9	1310.4	80.1	1.4	1.4	1310.3	79.9	1.5	1.5	27
28	1310.4	80.1	2.0	2.0	1310.4	80.1	0.9	0.9	1310.5	80.4	2.2	2.0	1310.3	79.9	1.6	1.6	28
29	1310.4	80.1	1.7	1.7	1310.4	80.1	0.9	0.9	1310.4	80.2	1.6	1.7	1310.3	79.9	1.7	1.7	29
30	1310.4	80.1	1.6	1.6	1310.4	80.1	0.9	0.9	1310.4	80.2	1.6	1.6	1310.3	79.9	1.7	1.7	30
31	1310.4	80.1	1.5	1.5					1310.4	80.2	1.5	1.5	1310.3	79.9	1.7	1.7	31
TOTAL			43.2	43.2			34.1	34.1			46.2	46.2			41.1	41.2	
Inf. Ac. Ft.			85.7				67.6				91.7				81.5		
Outf. Ac. Ft.			85.7				67.6				91.6				81.7		
Max. Mean Daily Inf.			2.0				1.6				5.9				1.7		
Min. Mean Daily Inf.			1.0				0.7				0.9				1.0		
Storage Change			0				0				0.1				-0.2		

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	1310.3	79.9	1.7	1.7	1310.4	80.0	1.7	1.7	1310.4	80.1	1.6	1.6	1310.4	80.2	1.6	1.6	1
2	1310.4	80.0	1.8	1.8	1310.4	80.0	1.8	1.8	1310.4	80.1	1.5	1.5	1310.4	80.1	1.5	1.5	2
3	1310.4	80.1	1.4	1.4	1310.4	80.0	1.9	1.9	1310.4	80.1	1.3	1.3	1310.4	80.1	1.4	1.4	3
4	1310.4	80.2	2.5	2.5	1310.4	80.0	2.0	2.0	1310.4	80.2	1.4	1.3	1310.6	80.1	1.4	1.4	4
5	1310.4	80.1	1.9	2.0	1310.5	80.2	2.4	2.2	1310.5	80.4	1.6	1.5	1310.4	80.1	1.3	1.3	5
6	1310.4	80.0	1.6	1.6	1310.4	80.1	3.0	3.1	1310.5	80.3	1.8	1.9	1310.4	80.1	1.3	1.3	6
7	1310.4	80.0	1.5	1.5	1310.4	80.0	2.7	2.7	1310.4	80.2	1.7	1.7	1310.4	80.1	1.3	1.3	7
8	1310.4	80.0	1.5	1.5	1310.4	80.2	3.1	3.0	1310.5	80.4	1.8	1.7	1310.4	80.1	1.3	1.3	8
9	1310.4	80.2	2.2	2.1	1310.4	80.1	2.7	2.7	1310.5	80.3	2.0	2.1	1310.4	80.1	1.2	1.2	9
10	1310.4	80.1	2.1	2.1	1310.4	80.1	2.8	2.8	1310.5	80.3	1.9	1.8	1310.4	80.1	1.2	1.2	10
11	1310.4	80.1	1.9	1.9	1310.4	80.1	2.8	2.6	1310.5	80.2	2.0	2.0	1310.4	80.1	1.2	1.2	11
12	1310.4	80.1	1.8	1.8	1310.4	80.0	2.4	2.3	1310.4	80.2	1.9	1.9	1310.4	80.1	1.2	1.2	12
13	1310.4	80.0	1.7	1.7	1310.5	80.3	2.7	2.6	1310.4	80.3	1.8	1.8	1310.4	80.1	1.2	1.2	13
14	1310.4	80.0	1.7	1.7	1310.4	80.2	2.8	3.0	1310.4	80.2	1.8	1.8	1310.4	80.1	1.0	1.0	14
15	1310.4	80.0	1.6	1.6	1310.4	80.1	2.8	2.8	1310.5	80.3	1.8	1.8	1310.4	80.1	0.9	0.9	15
16	1310.4	80.0	1.5	1.5	1310.4	80.1	2.7	2.7	1310.4	80.2	1.8	1.8	1310.4	80.1	0.8	0.8	16
17	1310.4	80.0	1.3	1.3	1310.4	80.1	2.6	2.6	1310.4	80.2	1.8	1.8	1310.4	80.1	0.9	0.9	17
18	1310.4	80.0	1.2	1.2	1310.4	80.1	2.6	2.6	1310.4	80.2	2.5	2.5	1310.4	80.1	0.9	0.9	18
19	1310.4	80.0	1.1	1.1	1310.4	80.1	2.6	2.6	1310.4	80.2	2.5	2.5	1310.4	80.2	1.1	1.1	19
20	1310.4	80.0	1.1	1.1	1310.4	80.2	2.6	2.6	1310.4	80.2	2.5	2.5	1310.4	80.3	1.3	1.3	20
21	1310.4	80.0	1.2	1.2	1310.4	80.1	2.5	2.6	1310.4	80.2	2.5	2.5	1310.4	80.1	1.2	1.2	21
22	1310.4	80.0	1.3	1.3	1310.4	80.1	2.7	2.7	1310.4	80.2	2.5	2.5	1310.4	80.1	1.2	1.2	22
23	1310.4	80.0	1.4	1.4	1310.4	80.1	2.6	2.6	1310.4	80.2	2.5	2.5	1310.4	80.1	1.1	1.1	23
24	1310.4	80.0	1.5	1.5	1310.4	80.1	2.4	2.4	1310.4	80.2	2.1	2.1	1310.4	80.1	1.1	1.1	24
25	1310.4	80.0	1.6	1.6	1310.4	80.1	2.5	2.5	1310.4	80.2	1.9	1.9	1310.4	80.0	1.0	1.0	25
26	1310.4	80.0	1.6	1.6	1310.4	80.1	2.1	2.1	1310.4	80.2	1.7	1.7	1310.4	80.1	1.1	1.1	26
27	1310.4	80.0	1.6	1.6	1310.4	80.0	2.1	2.1	1310.4	80.1	1.7	1.7	1310.4	80.1	1.1	1.1	27
28	1310.4	80.0	1.6	1.6	1310.4	80.0	2.1	2.1	1310.4	80.1	1.7	1.7	1310.4	80.1	1.1	1.1	28
29					1310.4	80.0	2.0	2.0	1310.4	80.1	1.6	1.6	1310.4	80.1	1.2	1.2	29
30					1310.4	80.0	1.8	1.8	1310.4	80.1	1.6	1.6	1310.4	80.0	1.3	1.3	30
31					1310.4	80.1	1.8	1.8					1310.4	80.1	1.2	1.2	31
TOTAL			46.8	46.8			75.6	75.6			56.7	56.7			38.8	38.8	
Inf. Ac. Ft.			92.9				150.0				112.5				73.0		
Outf. Ac. Ft.			92.8				150.0				112.5				73.0		
Max. Mean Daily Inf.			3.4				3.2				2.5				1.6		
Min. Mean Daily Inf.			1.1				1.7				1.3				0.8		
Storage Change			0				0.1				0.1				0		

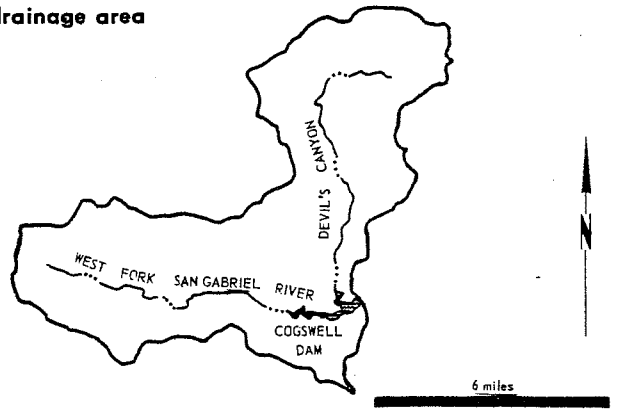
Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	1310.4	80.1	1.2	1.2	1310.4	80.1	0.7	0.7	1310.4	80.0	0.7	0.7	1310.4	80.0	0.5	0.5	1
2	1310.4	80.1	1.3	1.2	1310.4	80.1	0.7	0.7	1310.4	80.0	0.7	0.7	1310.4	80.0	0.5	0.5	2
3	1310.4	80.1	1.3	1.3	1310.4	80.1	0.5	0.5	1310.4	80.0	0.6	0.6	1310.4	80.0	0.5	0.5	3
4	1310.4	80.1	1.2	1.2	1310.4	80.1	0.6	0.6	1310.4	80.0	0.7	0.7	1310.4	80.0	0.5	0.5	4
5	1310.4	80.1	1.0	1.0	1310.4	80.1	0.5	0.5	1310.4	80.0	0.7	0.7	1310.4	80.0	0.5	0.5	5
6	1310.4	80.1	0.8	0.8	1310.4	80.1	0.5	0.5	1310.4	80.0	0.7	0.7	1310.4	80.0	0.5	0.5	6
7	1310.4	80.1	0.9	0.9	1310.4	80.1	0.6	0.6	1310.4	80.0	0.7	0.7	1310.4	80.0	0.5	0.5	7
8	1310.4	80.1	0.9	0.9	1310.4	80.1	0.6	0.6	1310.4	80.0	0.7	0.7	1310.4	80.0	0.6	0.6	8
9	1310.4	80.1	1.0	1.0	1310.4	80.1	0.6	0.6	1310.4	80.0	0.7	0.7	1310.4	80.0	0.7	0.7	9
10	1310.4	80.1	0.9	0.9	1310.4	80.1	0.6	0.6	1310.4	80.0	0.8	0.8	1310.4	80.0	0.7	0.7	10
11	1310.4	80.1	1.0	1.0	1310.4	80.1	0.6	0.6	1310.4	80.0	0.7	0.7	1310.4	80.0	0.8	0.8	11
12	1310.4	80.1	1.0	1.0	1310.4	80.1	0.6	0.6	1310.4	80.0	0.7	0.7	1310.4	80.1	0.7	0.7	12
13	1310.4	80.1	1.0	1.0	1310.4	80.1	0.6	0.6	1310.4	80.0	0.6	0.6	1310.4	80.1	0.7	0.7	13
14	1310.4	80.1	0.9	0.9	1310.4	80.1	0.5	0.5	1310.4	80.0	0.6	0.6	1310.4	80.1	0.7	0.7	14
15	1310.4	80.1	0.8	0.8	1310.4	80.1	0.5	0.5	1310.4	80.0	0.7	0.7	1310.4	80.1	0.7	0.7	15
16	1310.4	80.1	0.9	0.9	1310.4	80.1	0.5	0.5	1310.4	80.0	0.7	0.7	1310.4	80.1	0.7	0.7	16
17	1310.4	80.1	0.9	0.9	1310.4	80.1	0.5	0.5	1310.4	80.0	0.7	0.7	1310.4	80.1	0.7	0.7	17
18	1310.4	80.1	0.9	0.9	1310.4	80.1	0.5	0.5	1310.4	80.0	0.7	0.7	1310.4	80.1	0.6	0.6	18
19	1310.4	80.1	0.8	0.8	1310.4	80.1	0.5	0.5	1310.4	80.0	0.7	0.7	1310.4	80.1	0.6	0.6	19
20	1310.4	80.2	0.8	0.8	1310.4	80.1	0.5	0.5	1310.4	80.0	0.7	0.7	1310.4	80.1	0.6	0.6	20
21	1310.4	80.1	0.7	0.7	1310.4	80.1	0.6	0.6	1310.4	80.0	0.8	0.8	1310.4	80.1	0.6	0.6	21
22	1310.4	80.1	0.6	0.6	1310.4	80.1	0.6	0.6	1310.4	80.0	0.8	0.8	1310.4	80.1	0.6	0.6	22
23	1310.4	80.1	0.6	0.6	1310.4	80.1	0.6	0.6	1310.4	80.0	0.6	0.6	1310.4	80.1	0.6	0.6	23
24	1310.4	80.1	0.7	0.7	1310.4	80.1	0.6	0.6	1310.4	80.0	0.6	0.6	1310.4	80.1	0.5	0.5	24
25	1310.4	80.1	0.8	0.9	1310.4	80.1	0.5	0.5	1310.4	80.0	0.6	0.6	1310.4	80.1	0.6	0.6	25
26	1310.4	80.1	0.9	0.9	1310.4	80.1	0.6	0.6	1310.4	80.0	0.6	0.6	1310.4	80.1	0.5	0.5	26
27	1310.4	80.1	0.9	0.9	1310.4	80.1	0.7	0.7	1310.4	80.0	0.5	0.5	1310.4	80.1	0.6	0.6	27
28	1310.4	80.1	0.9	0.9	1310.4	80.1	0.7	0.7	1310.4	80.0	0.5	0.5	1310.4	80.1	0.6	0.6	28
29	1310.4	80.2	0.9	0.8	1310.4	80.1	0.6	0.6	1310.4	80.0	0.5	0.5	1310.4	80.1	0.7	0.7	29
30	1310.4	80.2	0.7	0.7	1310.4	80.1	0.7	0.7	1310.4	80.0	0.5	0.5	1310.4	80.1	0.7	0.7	30
31					1310.4	80.1	0.7	0.7	1310.4	80.0	0.5	0.5					31
TOTAL			27.3	27.3			18.1	18.1			20.2	20.3			18.3	18.2	
Inf. Ac. Ft.			54.2				35.8				40.1				36.2		
Outf. Ac. Ft.			54.1				35.9				40.3				36.1		
Max. Mean Daily Inf.			1.3				0.7				0.8				0.8		
Min. Mean Daily Inf.			0.6				0.5				0.5				0.5		
Storage Change			0.1				-0.1				-0.1				0.1		

Max. W.S. Elev. 1310.85 feet on 12-1-74 Storage 81.5 Acre-Feet
Min. W.S. Elev. 1310.33 feet on 1-8-75 Storage 80.2 Acre-Feet
Max. Peak Inf. 15.3 CFS from 0800 on 3-6-75 to 1200 on 3-6-75
Max. Peak Outf. 15.0 CFS from 0800 on 3-6-75 to 1200 on 3-6-75

REMARKS:

COGSWELL DAM AND RESERVOIR

drainage area



PURPOSE -
Flood Control, Conservation, and Recreation

DATE CONSTRUCTED -
Started March 1932 - Completed April 1934

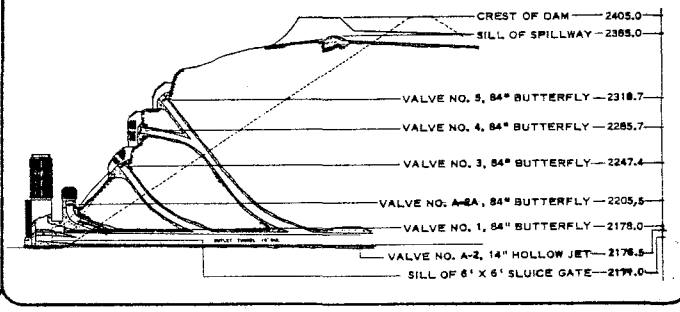
LOCATION - 22.0 miles north of Azusa

DRAINAGE AREA - 39.2 square miles

CAPACITY - 9,339 acre-feet

SPILLWAY ELEVATION - 2,385.0 feet

cross-section



COGSWELL DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO	PEAK INFLOW 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	1660
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	4450
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	2440
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	2660	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	6380	0.1	90488	1	25	15700
1969-70	10222	410	1.0	13859	2	28	1020
1970-71	10822	1030	0.8	11683	11	29	2930
1971-72	4009	297	0.4	4557	12	24	798
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

N.D. = NOT DETERMINED

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

Cogswell Dam

1974-75

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

DRAINAGE AREA 39.2 SQ. MI.
CAPACITY OF RESERVOIR 9320 AC. FT.,
at SPILLWAY ELEVATION 2385 FT.,
as of May, 19 73.

Day	OCTOBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	NOVEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	DECEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JANUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	2332.4	3523.8	2.8	21.0	2311.7	2215.1	2.0	32.0	2283.7	1035.6	1.6	2.8	2290.0	1246.0	4.4	2.4	1
2	2331.9	3496.2	2.9	21.0	2310.4	2152.0	2.0	32.0	2283.7	1035.0	1.6	2.8	2290.1	1250.0	4.4	2.2	2
3	2331.4	3443.9	2.8	21.0	2309.2	2089.3	2.0	32.0	2283.9	1040.7	5.9	3.0	2290.2	1253.8	4.4	2.3	3
4	2330.9	3411.8	2.9	21.0	2308.0	2027.0	2.0	32.0	2287.5	1157.7	61.3	2.7	2290.3	1257.2	4.4	2.2	4
5	2330.4	3375.1	2.9	21.0	2306.8	1965.2	2.0	32.0	2287.9	1171.1	3.1	2.2	2290.4	1261.5	4.4	2.2	5
6	2329.9	3337.8	2.7	21.0	2305.6	1906.8	2.0	31.0	2288.1	1177.1	3.2	2.2	2290.5	1266.5	4.4	2.2	6
7	2329.4	3305.8	5.3	21.0	2304.3	1846.3	2.0	31.0	2288.2	1181.6	4.7	2.3	2290.7	1272.6	4.4	2.2	7
8	2328.9	3272.5	3.4	20.0	2303.0	1785.3	2.0	31.0	2288.3	1184.8	4.1	2.4	2290.9	1277.7	4.4	2.3	8
9	2328.4	3237.4	2.6	20.0	2301.8	1724.5	2.0	31.0	2288.4	1187.6	4.1	2.5	2291.0	1282.4	4.4	2.2	9
10	2327.9	3202.2	2.7	20.0	2300.5	1667.0	2.0	30.0	2288.4	1189.3	3.6	2.6	2291.1	1286.9	4.4	2.2	10
11	2327.4	3167.0	2.6	20.0	2299.1	1607.2	2.0	30.0	2288.4	1190.7	3.1	2.4	2291.3	1291.5	4.4	2.2	11
12	2326.9	3131.3	2.4	20.0	2297.8	1549.6	2.0	30.0	2288.5	1192.5	3.3	2.3	2291.4	1295.7	4.4	2.2	12
13	2326.4	3096.5	2.3	19.9	2296.4	1493.4	2.0	30.0	2288.5	1194.2	3.4	2.4	2291.5	1299.9	4.4	2.2	13
14	2325.9	3061.8	2.3	19.9	2295.1	1437.8	2.0	30.0	2288.6	1196.0	3.5	2.5	2291.6	1304.0	4.3	2.2	14
15	2325.3	3026.8	1.9	19.8	2293.7	1383.1	2.0	30.0	2288.6	1197.7	3.3	2.3	2291.7	1307.8	4.3	2.3	15
16	2324.8	2992.0	2.7	19.8	2292.3	1329.3	2.0	30.0	2288.7	1199.5	3.3	2.3	2291.8	1311.6	4.3	2.3	16
17	2324.3	2957.5	2.9	19.7	2290.9	1274.4	2.0	30.0	2288.8	1201.3	3.3	2.3	2291.9	1314.7	4.3	2.3	17
18	2323.7	2922.4	2.5	19.6	2289.2	1220.8	2.0	30.0	2288.8	1202.6	3.1	2.3	2291.9	1317.7	4.3	2.3	18
19	2323.2	2887.3	2.3	19.5	2287.8	1165.2	2.0	30.0	2288.8	1204.0	3.1	2.3	2292.0	1320.7	4.3	2.5	19
20	2322.6	2852.9	2.5	19.4	2286.1	1112.6	2.0	30.0	2288.9	1205.4	3.1	2.3	2292.1	1323.3	4.3	2.6	20
21	2322.1	2818.3	2.2	19.3	2284.5	1061.3	2.0	20.0	2288.9	1207.2	3.3	2.3	2292.2	1325.9	4.3	2.6	21
22	2321.5	2783.6	2.1	19.2	2283.9	1041.3	2.0	12.7	2289.0	1209.3	3.6	2.4	2292.2	1328.5	4.3	2.6	22
23	2321.0	2749.0	2.0	19.1	2283.8	1040.4	2.0	2.7	2289.0	1210.4	3.2	2.5	2292.3	1331.1	4.3	2.6	23
24	2320.4	2710.6	2.0	25.0	2283.8	1039.2	2.0	2.7	2289.0	1211.1	3.1	2.5	2292.4	1333.3	4.3	2.6	24
25	2319.5	2656.3	2.1	29.0	2283.8	1039.3	2.0	2.7	2289.1	1213.2	3.7	2.5	2292.4	1335.5	4.3	2.6	25
26	2318.4	2589.8	2.1	34.0	2283.8	1038.3	2.0	2.7	2289.1	1214.7	3.3	2.5	2292.5	1338.1	4.3	2.6	26
27	2317.3	2524.5	2.1	33.5	2283.8	1038.0	1.9	2.7	2289.3	1220.4	5.6	2.5	2292.6	1342.2	4.3	2.7	27
28	2316.2	2460.4	2.1	33.2	2283.8	1038.0	1.9	2.7	2289.5	1227.6	6.6	2.9	2292.7	1345.9	4.3	2.6	28
29	2315.1	2397.9	2.1	33.0	2283.8	1037.1	1.9	2.8	2289.7	1234.1	5.0	2.7	2292.8	1349.6	4.3	2.5	29
30	2314.0	2336.9	2.1	33.0	2283.7	1036.2	1.9	2.8	2289.8	1237.7	4.5	2.6	2292.9	1352.2	4.3	2.5	30
31	2312.8	2276.0	2.1	32.8					2289.9	1241.3	4.5	2.6	2292.9	1355.1	4.3	2.6	31
TOTAL			80.6	719.7			59.6	680.5			133.6	76.9			134.6	74.1	
Inf. Ac. Ft.	159.8				119.3				364.2				267.0				
Outf. Ac. Ft.	1419.6 + (25.7)				1349.8 + (8.3)				152.5 + (6.6)				147.0 + (6.2)				
Max. Mean Daily Inf.	5.3				2.0				61.3				4.4				
Min. Mean Daily Inf.	2.0				1.9				1.6				4.3				
Storage Change	-1265.5				-1239.8				205.1				113.8				

Day	FEBRUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MARCH Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	APRIL Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MAY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	2293.0	1356.2	4.1	2.5	2304.2	1837.7	4.3	2.5	2341.0	4289.6	15.6	4.9	2354.4	5468.8	19.2	6.2	1
2	2293.2	1364.0	5.3	2.5	2304.3	1843.4	5.7	2.5	2342.1	4305.9	13.4	4.9	2354.5	5487.7	16.4	6.2	2
3	2294.2	1402.6	22.3	2.8	2304.4	1848.2	5.1	2.5	2342.3	4319.8	11.9	4.9	2354.7	5505.6	16.1	6.2	3
4	2294.9	1430.3	16.7	2.7	2304.5	1853.0	5.1	2.5	2342.5	4339.4	15.8	4.9	2354.9	5522.4	15.4	6.2	4
5	2295.4	1449.3	12.3	2.5	2305.0	1876.1	14.9	2.0	2343.2	4393.8	32.5	4.9	2355.0	5538.2	15.2	6.2	5
6	2295.7	1464.2	9.6	2.3	2314.1	2345.6	240.7	4.0	2343.7	4442.5	29.7	5.1	2355.2	5551.9	14.0	6.2	6
7	2296.0	1476.2	8.4	2.5	2317.1	2516.8	99.6	3.1	2344.1	4478.4	23.2	4.9	2355.3	5565.7	13.9	6.2	7
8	2296.5	1496.7	12.7	2.3	2323.8	2905.0	210.8	4.9	2344.5	4514.9	23.6	4.0	2355.4	5578.4	13.3	6.0	8
9	2297.6	1540.4	24.8	2.6	2326.4	3101.1	92.6	3.7	2345.1	4566.8	31.3	5.1	2355.5	5589.0	12.1	6.0	9
10	2298.0	1558.9	12.0	2.7	2328.1	3211.5	59.8	4.0	2345.9	4626.0	40.0	4.9	2355.6	5599.6	12.5	6.0	10
11	2299.4	1618.6	32.8	2.7	2329.4	3305.8	52.0	4.2	2346.2	4667.2	20.8	4.9	2355.7	5610.3	12.3	6.0	11
12	2300.2	1654.4	20.9	2.7	2330.4	3379.4	41.6	4.4	2346.9	4731.6	37.8	5.1	2355.8	5618.7	11.4	6.0	12
13	2300.8	1681.9	16.7	2.7	2331.5	3456.2	43.4	4.4	2347.5	4788.7	34.3	5.3	2355.9	5627.2	11.4	6.0	13
14	2301.2	1697.4	10.6	2.7	2332.8	3551.2	52.4	4.4	2348.4	4866.3	44.9	5.3	2355.9	5632.5	10.1	6.2	14
15	2301.5	1712.5	10.6	2.7	2333.7	3622.2	40.5	4.4	2349.0	4931.9	38.3	5.3	2356.0	5638.9	10.5	6.2	15
16	2301.8	1727.7	10.5	2.7	2334.6	3686.1	35.7	4.4	2349.6	4985.2	32.5	5.3	2356.0	5645.3	10.0	6.2	16
17	2302.1	1739.8	7.3	2.7	2335.3	3739.8	32.1	4.6	2349.9	5020.1	23.2	6.7	2356.1	5653.9	11.2	6.2	17
18	2302.3	1751.5	7.3	2.7	2335.9	3786.6	28.4	4.6	2350.4	5069.5	23.2	5.8	2356.2	5659.4	9.9	6.2	18
19	2302.6	1762.3	7.3	2.7	2336.7	3849.6	36.7	4.6	2350.8	5109.1	23.2	5.8	2356.2	5664.8	9.7	6.2	19
20	2302.8	1772.6	7.3	2.7	2337.0	3880.0	20.3	4.6	2351.2	5145.2	23.2	5.8	2356.3	5673.4	11.0	6.2	20
21	2303.0	1781.6	7.3	2.7	2337.6	3922.2	26.0	4.4	2351.6	5182.6	23.2	5.8	2356.3	5678.8	7.5	6.2	21
22	2303.1	1787.2	7.3	2.7	2338.4	3989.2	38.0	4.7	2351.9	5219.9	23.2	5.8	2356.4	5684.2	9.4	6.2	22
23	2303.3	1798.5	7.3	2.7	2338.9	4030.8	26.5	4.4	2352.2	5248.5	23.2	6.0	2356.4	5689.6	9.7	6.2	23
24	2303.5	1806.0	7.3	2.7	2339.3	4068.7	23.2	4.7	2352.6	5287.2	23.1	6.0	2356.5	5692.8	8.9	6.2	24
25	2303.5	1808.8	7.3	2.7	2339.8	4108.7	26.1	4.7	2352.8	5305.6	23.1	6.0	2356.5	5696.1	8.8	6.2	25
26	2303.8	1820.1	7.3	2.5	2340.2	4141.5	22.0	4.9	2353.0	5330.1	23.1	5.8	2356.5	5698.2	8.5	6.5	26
27	2303.9	1827.6	7.3	2.5	2340.5	4167.5	18.6	4.7	2353.3	5359.9	23.1	5.8	2356.5	5700.4	8.5	6.5	27
28	2304.1	1833.4	7.3	2.5	2340.9	4196.9	20.0	4.6	2353.7	5402.2	23.1	6.0	2356.6	5701.5	8.1	6.5	28
29					2341.1	4210.0	13.4	4.6	2353.9	5424.8	23.1	6.0	2356.5	5700.4	7.3	6.5	29
30					2341.3	4232.8	15.2	4.6	2354.2	5446.9	23.1	6.2	2356.5	5698.2	6.9	6.5	30
31					2341.7	4266.9	23.6	4.7					2356.5	5697.1	7.4	6.5	31
TOTAL			318.2	73.4			1365.9	128.5			769.8	164.1			348.2	192.8	
Inf. Ac. Ft.	631.0				2709.2				1526.8				690.7				
Outf. Ac. Ft.	145.6 + (7.3)				254.9 + (18.7)				325.5 + (23.5)				382.4 + (58.0)				
Max. Mean Daily Inf.	32.8				240.7				44.9				19.2				
Min. Mean Daily Inf.	4.1				4.3				11.9				6.9				
Storage Change	478.2				2435.6				1177.9				250.3				

Day	JUNE Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JULY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	AUGUST Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	SEPTEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	2356.5	5696.1	6.3	5.5	2355.0	5533.3	3.5	6.2	2347.8	4815.1	3.3	28.3	2329.5	3311.0	1.9	23.8	1
2	2356.5	5693.9	6.3	6.5	2354.9	5525.5	3.5	6.2	2347.3	4763.4	3.3	28.3	2328.9	3267.0	1.9	23.3	2
3	2356.5	5692.8	6.3	6.5	2354.8	5517.1	3.5	6.2	2346.7	4709.5	3.3	28.3	2328.2	3224.3	1.9	23.8	3
4	2356.5	5690.7	6.3	6.5	2354.7	5507.7	3.5	6.2	2346.1	4657.0	3.3	28.3	2327.6	3180.1	1.9	23.3	4
5	2356.4	5688.2	6.3	6.5	2354.6	5498.2	3.5	6.2	2345.5	4605.9	3.3	28.3	2327.0	3136.7	1.9	23.3	5
6	2356.4	5686.1	6.3	6.5	2354.6	5489.2	3.4	6.5	2345.0	4554.1	3.1	28.3	2326.3	3093.1	1.7	23.3	6
7	2356.4	5682.0	6.3	6.5	2354.5	5479.3	3.4	6.5	2344.4	4502.5	3.1	28.3	2325.7	3050.5	1.7	23.2	7
8	2356.3	5678.8	6.3	6.5	2354.4	5472.0	3.4	6.5	2343.8	4451.2	3.1	28.3	2325.0	3007.6	1.7	23.3	8
9	2356.3	5675.5	6.3	6.5	2354.3	5462.9	3.4	6.7	2343.3	4401.6	3.1	28.3	2324.4	2965.3	1.7	22.7	9
10	2356.3	5672.3	6.3	6.5	2354.2	5454.1	3.4	6.9	2342.7	4350.6	3.1	28.3	2323.7	2921.8	1.7	22.2	10
11	2356.2	5666.9	4.6	6.5	2354.2	5448.9	3.4	6.9	2342.1	4299.9	3.1	28.3	2323.0	2879.2	1.2	22.2	11
12	2356.2	5660.4	4.6	6.5	2354.1	5434.2	3.4	7.2	2341.5	4250.0	3.1	28.3	2322.4	2834.7	1.2	21.7	12
13	2356.1	5653.9	4.6	4.6	2353.9	5423.9	3.4	7.2	2340.9	4199.4	3.1	28.3	2321.7	2791.2	1.2	21.7	13
14	2356.1	5647.5	4.6	6.5	2353.8	5411.4	3.4	7.2	2340.3	4146.5	3.1	28.3	2321.0	2747.2	1.2	21.3	14
15	2356.0	5641.0	4.6	6.5	2353.7	5400.1	3.4	7.2	2339.7	4095.3	3.1	28.3	2320.2	2702.0	1.2	22.3	15
16	2355.9	5635.7	4.6	6.4	2353.6	5389.8	3.4	7.4	2339.1	4040.7	3.0	28.3	2319.4	2649.0	1.2	25.5	16
17	2355.9	5631.4	4.6	6.3	2353.5	5379.5	3.4	7.4	2338.5	3997.2	3.0	28.3	2319.0	2627.6	1.2	12.2	17
18	2355.9	5626.1	4.5	6.3	2353.5	5374.4	3.4	7.7	2337.9	3948.1	3.0	27.7	2318.5	2601.5	1.2	13.3	18
19	2355.8	5620.8	4.5	6.3	2353.3	5358.9	3.4	9.2	2337.3	3898.7	3.0	27.7	2317.5	2542.8	1.2	31.5	19
20	2355.8	5615.5	4.5	6.3	2353.2	5347.6	3.4	9.5	2336.7	3854.4	3.0	24.4	2316.8	2497.3	1.2	23.3	20
21	2355.7	5609.2	4.0	6.3	2353.1	5336.3	3.4	8.7	2336.1	3806.4	3.0	24.4	2316.0	2451.1	1.1	23.2	21
22	2355.6	5603.9	3.9	6.3	2353.0	5325.0	3.4	8.5	2335.6	3762.4	3.0	23.5	2315.2	2406.9	1.1	23.8	22
23	2355.6	5596.5	3.9	6.3	2352.6	5287.7	3.4	19.2	2335.0	3715.7	3.0	23.5	2314.4	2362.1	1.1	23.3	23
24	2355.5	5590.4	3.9	6.3	2352.1	5237.2	3.4	27.7	2334.4	3671.6	3.0	24.4	2313.6	2317.0	1.1	23.8	24
25	2355.4	5582.7	3.9	6.3	2351.6	5181.6	3.4	28.3	2333.8	3626.0	3.0	24.3	2312.8	2272.4	1.1	23.8	25
26	2355.4	5574.2	3.9	6.3	2351.0	5129.0	3.4	28.3	2333.2	3580.4	3.0	24.4	2311.9	2227.3	1.1	23.3	26
27	2355.3	5556.5	3.9	6.3	2350.5	5076.5	3.4	28.3	2332.6	3534.9	3.0	24.4	2311.1	2183.2	1.1	22.7	27
28	2355.2	5539.4	3.8	6.3	2350.0	5023.1	3.4	28.3	2332.0	3491.3	3.0	24.4	2310.3	2141.1	1.1	22.7	28
29	2355.1	5550.9	3.8	6.3	2349.4	4971.6	3.4	[illegible]	2331.4	3445.3	3.0	24.4	2309.4	2096.9	1.1	22.7	29
30	2355.1	5541.5	3.8	6.3	2348.9	4920.3	3.4	28.8	2330.8	3401.0	3.0	24.4	2308.6	2054.0	1.1	21.7	30
31					2348.4	4869.4	3.4	28.3	2330.2	3355.6	3.0	24.3					31
TOTAL			147.5	193.0			105.4	402.4			95.3	826.7			40.9	679.4	
Inf. Ac. Ft.	292.5				201.1				[illegible]				81.1				
Outf. Ac. Ft.	380.8 + (65.3)				798.1 + (33.9)				1639.7 + (83.5)				1347.6 + (35.2)				
Max. Mean Daily Inf.	6.3				3.5				3.3				1.9				
Min. Mean Daily Inf.	3.8				3.4				3.0				1.1				
Storage Change	-155.7				-673.6				-1570.2				-1301.6				

Max. W.S. Elev. 2356.56 feet on 4-28-75 Storage 5701.5 Acre-Feet

Min. W.S. Elev. 2283.70 feet on 11-30-74 Storage 1035.0 Acre-Feet

Max. Peak Inf. 432.0 CFS from 0600 on 3-6-75 to 0620 on 3-6-75

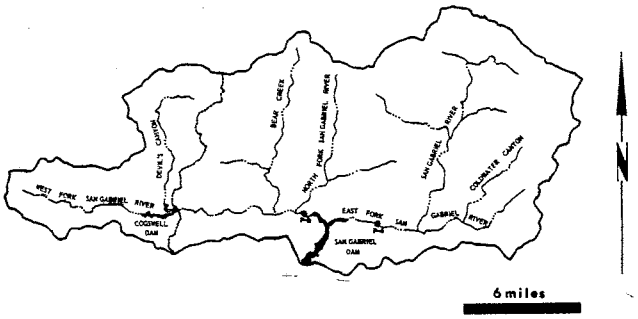
Max. Peak Outf. 35.7 CFS from 1100 on 10-25-74 to 1236 on 10-25-74

REMARKS: * Indicates average for period

( ) Indicates evaporation losses

SAN GABRIEL DAM AND RESERVOIR

drainage area



PURPOSE -
Flood Control and Conservation

DATE CONSTRUCTED -
Started December 1932 - Completed July 1939

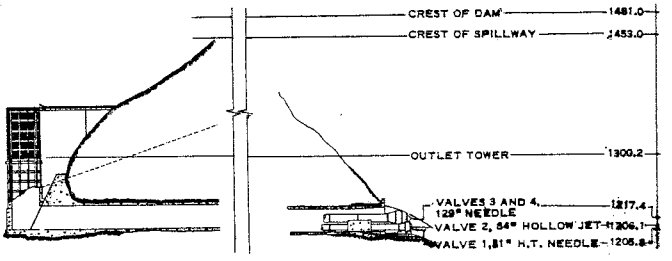
LOCATION -
San Gabriel Canyon, 7.5 miles north of Azusa

DRAINAGE AREA - 163.5 square miles (uncontrolled)
39.2 square miles (controlled)
Total 202.7 square miles
(includes Cogswell drainage)

CAPACITY - 41,549 acre-feet

SPILLWAY ELEVATION - 1,453 feet

cross-section



SAN GABRIEL DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO	DAY	CFS
1937-38	339155	30720	37	332893	3	2	89320
1938-39	67231	1330	23	61455	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	4440
1945-46	99531	2980	28	89502	12	21	5760
1946-47	107688	3340	18	104088	12	26	6520
1947-48	29259	257	9.9	37794	4	29	506
1948-49	24728	94	11	21546	1	20	120
1949-50	27797	266	9.5	27736	12	19	448
1950-51	10169	54	3.0	13002	1	11	174
1951-52	159048	3340	3.9	118918	1	16	6130
1952-53	41270	375	7.5	77961	12	1	544
1953-54	60515	1280	8.3	56517	1	25	2940
1954-55	39159	171	18	37304	4	30	313
1955-56	35215	960	14	38127	1	26	2250
1956-57	37210	1090	15	35069	1	13	2850
1957-58	230745	4270	21	229410	4	3	6900
1958-59	43762	1030	14	43100	1	6	3080
1959-60	19474	112	5.0	19258	4	28	168
1960-61	12041	122	2.2	12698	11	5	434
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	12620
1967-68	66761	697	26	68771	11	19	1620
1968-69	527883	28020	24	524874	1	25	44400
1969-70	66842	1250	26	66888	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

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

San Gabriel Dam

1974-75

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

DRAINAGE AREA 202.7 SQ. MI.
CAPACITY OF RESERVOIR 46554 AC. FT.
@ SPILLWAY ELEVATION 1453 FT.
as of October 1973

Day	OCTOBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	NOVEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1325.6	4252.0	41.7	77.3	1314.2	2443.6	62.9	77.1
2	1325.1	4178.1	41.7	77.7	1313.9	2427.0	66.2	75.5
3	1324.7	4104.7	41.7	77.4	1313.7	2401.1	63.5	75.3
4	1324.3	4028.2	43.6	77.1	1313.5	2371.7	62.4	76.3
5	1323.9	3963.6	45.8	77.4	1313.3	2340.2	62.0	76.0
6	1323.5	3897.3	54.3	76.6	1313.0	2307.3	60.4	77.1
7	1323.2	3846.3	51.4	76.4	1312.7	2267.0	58.8	77.1
8	1322.9	3793.6	50.9	76.5	1312.4	2232.1	59.5	77.1
9	1322.5	3735.0	48.0	76.5	1312.1	2193.3	58.9	77.1
10	1322.2	3672.9	49.2	76.5	1311.9	2157.1	57.7	77.1
11	1321.8	3614.4	47.9	75.5	1311.5	2115.5	57.5	77.1
12	1321.4	3546.4	43.8	76.5	1311.2	2072.6	56.4	77.1
13	1321.0	3478.4	43.4	76.5	1311.7	2122.6	57.5	27.6
14	1320.6	3409.9	43.3	76.2	1312.4	2232.1	57.0	0.5
15	1320.2	3341.4	44.2	76.6	1313.1	2320.7	51.5	0.4
16	1319.6	3261.0	38.6	76.3	1313.5	2377.0	47.9	10.2
17	1319.1	3179.4	41.1	80.2	1314.0	2434.6	48.6	19.2
18	1318.5	3066.6	42.9	88.1	1314.4	2501.6	53.3	19.2
19	1318.0	3005.6	38.3	76.7	1314.8	2548.2	47.3	19.2
20	1317.6	2944.1	44.7	76.5	1314.7	2534.5	49.2	55.5
21	1317.1	2875.5	42.7	76.5	1315.4	2632.6	50.1	0.4
22	1316.6	2801.2	39.9	76.5	1314.9	2557.3	55.0	92.0
23	1316.1	2734.4	44.2	77.2	1315.3	2615.9	30.9	0.4
24	1315.7	2668.7	44.6	76.3	1315.7	2672.9	30.4	0.4
25	1315.2	2607.6	47.0	77.1	1314.5	2549.6	31.1	92.1
26	1315.0	2571.5	59.4	77.1	1315.2	2602.0	28.3	0.4
27	1314.7	2537.3	60.2	77.1	1315.4	2631.2	27.2	11.8
28	1314.8	2546.8	82.8	77.1	1315.4	2632.6	26.8	25.3
29	1314.7	2531.3	70.0	77.1	1315.4	2635.4	27.6	25.3
30	1314.5	2505.8	64.7	77.1	1315.4	2636.2	27.5	25.3
31	1314.3	2478.3	64.0	77.1				
TOTAL			1501.0	2798.4			1467.4	1362.4
Inf. Ac. Ft.		2977.2				2910.5		
Outf. Ac. Ft.		4757.1 + (67.6)				2702.3 + (48.4)		
Max. Mean Daily Inf.		82.8				66.2		
Min. Mean Daily Inf.		38.3				26.8		
Storage Change		-1847.7				159.9		

Day	DECEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JANUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1315.8	2654.5	26.5	25.7	1322.5	3728.6	32.0	25.3
2	1315.5	2642.3	27.2	25.7	1322.6	3743.4	34.5	25.3
3	1315.6	2656.2	32.3	25.5	1322.7	3760.2	34.5	25.3
4	1318.3	3052.9	225.7	25.7	1322.8	3773.6	32.6	25.3
5	1319.0	3160.2	60.1	25.5	1322.8	3787.1	32.7	25.3
6	1319.4	3221.0	56.9	25.7	1322.9	3800.9	32.7	25.3
7	1319.7	3273.8	53.4	25.7	1323.0	3814.0	32.1	25.3
8	1319.9	3302.6	41.6	25.7	1323.1	3827.6	32.4	25.3
9	1320.0	3317.0	33.9	25.7	1323.2	3841.2	32.8	25.3
10	1320.1	3341.4	38.4	25.7	1323.3	3856.5	33.5	25.3
11	1320.3	3364.2	37.7	25.7	1323.3	3873.5	34.4	25.3
12	1320.4	3383.8	36.4	25.7	1323.5	3892.2	35.6	25.3
13	1320.5	3401.7	35.3	25.7	1323.5	3905.8	33.1	25.3
14	1320.6	3419.7	35.5	25.7	1323.5	3904.1	30.5	30.3
15	1320.7	3432.7	32.7	25.7	1323.5	3894.6	32.0	35.2
16	1320.8	3444.1	32.4	25.7	1323.4	3883.7	30.7	35.6
17	1320.9	3455.5	72.3	25.7	1323.3	3871.8	30.8	35.6
18	1320.9	3465.3	32.5	25.7	1323.3	3865.0	33.1	35.5
19	1321.0	3475.1	31.9	26.1	1323.2	3853.1	30.8	35.6
20	1321.0	3484.9	32.9	26.9	1323.1	3841.2	30.6	35.6
21	1321.1	3498.2	33.5	20.2	1323.1	3827.6	29.5	35.5
22	1321.2	3513.2	34.1	25.3	1323.0	3817.4	31.5	35.6
23	1321.3	3528.1	34.4	25.5	1323.0	3807.3	31.6	35.6
24	1321.4	3539.7	32.2	25.5	1322.9	3797.2	31.4	35.6
25	1321.4	3551.4	32.2	25.5	1322.8	3785.4	30.5	35.6
26	1321.5	3563.0	32.1	25.4	1322.8	3775.6	30.4	35.6
27	1321.6	3576.3	32.9	25.4	1322.7	3765.3	31.7	35.6
28	1321.9	3632.7	55.0	25.4	1322.7	3763.6	35.6	35.6
29	1322.1	3669.5	44.6	25.4	1322.6	3755.2	32.1	35.8
30	1322.3	3694.7	38.9	25.4	1322.6	3751.9	33.7	35.2
31	1322.4	3714.9	37.3	25.4	1322.5	3745.1	32.4	35.2
TOTAL			1363.1	794.2			1001.3	965.4
Inf. Ac. Ft.		2793.7				1987.1		
Outf. Ac. Ft.		1575.3 + (51.7)				1910.9 + (46.0)		
Max. Mean Daily Inf.		225.7				35.6		
Min. Mean Daily Inf.		26.8				29.5		
Storage Change		1076.7				30.2		

Day	FEBRUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MARCH Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1322.5	3741.7	34.0	35.2	1328.2	4702.0	37.6	34.9
2	1322.5	3740.0	35.1	35.2	1328.2	4706.4	37.6	34.9
3	1323.3	3866.7	93.5	35.4	1328.2	4710.0	37.8	34.9
4	1323.7	3933.0	69.5	35.8	1328.2	4713.5	37.4	34.9
5	1323.9	3970.4	75.0	35.8	1328.5	4764.5	61.4	34.9
6	1324.1	3997.5	50.1	35.8	1332.7	5503.8	409.3	35.0
7	1324.2	4018.0	46.7	35.8	1334.9	5841.8	206.6	35.7
8	1324.3	4035.0	44.3	35.5	1339.4	6606.7	422.8	35.5
9	1324.9	4137.0	87.4	35.5	1340.9	7046.5	256.1	35.2
10	1325.6	4260.6	98.5	35.8	1342.5	7470.7	253.9	35.2
11	1326.1	4338.1	75.5	35.3	1344.4	7870.4	232.9	35.2
12	1326.4	4390.0	62.6	35.8	1345.0	8018.8	120.4	35.2
13	1326.4	4429.8	56.6	36.2	1346.2	8280.1	167.9	46.1
14	1326.8	4466.1	55.2	35.3	1347.6	8595.7	176.3	35.7
15	1327.0	4499.0	53.4	35.8	1349.7	8931.7	185.0	35.2
16	1327.1	4525.1	50.0	36.0	1349.6	9042.6	145.3	35.3
17	1327.3	4551.2	49.8	35.6	1350.5	9255.3	140.4	35.3
18	1327.4	4573.8	47.8	35.1	1351.7	9434.5	126.6	35.2
19	1327.5	4596.4	47.1	35.1	1352.1	9626.6	133.3	35.2
20	1327.7	4615.6	45.3	35.1	1352.9	9810.7	139.2	35.2
21	1327.8	4634.7	45.5	35.0	1353.7	10001.5	132.1	35.2
22	1327.8	4645.1	41.2	34.7	1354.6	10232.2	152.8	35.2
23	1327.9	4655.6	41.2	34.7	1355.4	10418.6	130.7	35.2
24	1328.0	4666.0	41.1	34.8	1356.2	10608.5	131.9	35.2
25	1328.0	4674.7	40.4	34.9	1356.9	10787.4	126.5	35.2
26	1328.0	4681.8	39.0	34.9	1357.6	10968.2	128.2	35.2
27	1328.1	4692.3	41.3	34.9	1358.3	11129.3	118.8	35.2
28	1328.1	4699.4	37.7	34.9	1358.9	11270.0	108.6	35.2
29					1359.4	11405.8	106.1	35.2
30					1359.9	11534.3	102.0	35.2
31					1360.4	11659.0	98.4	35.2
TOTAL			1492.9	991.5			4635.0	1091.5
Inf. Ac. Ft.		2961.1				9193.4		
Outf. Ac. Ft.		1966.6 + (40.2)				2165.0 + (68.8)		
Max. Mean Daily Inf.		99.5				422.8		
Min. Mean Daily Inf.		34.0				37.4		
Storage Change		954.3				6959.6		

Day	APRIL Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MAY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1360.9	11786.5	101.1	35.2	1352.7	9777.6	125.4	76.1
2	1361.3	11897.1	93.1	35.3	1353.1	9874.5	126.7	76.1
3	1361.7	12002.3	90.5	35.3	1353.5	9960.8	121.2	76.1
4	1362.1	12103.8	86.9	35.3	1353.9	10058.9	123.2	76.1
5	1362.8	12277.9	123.1	35.3	1354.3	10162.7	126.9	72.6
6	1363.5	12472.0	134.3	35.4	1354.7	10244.3	113.6	70.2
7	1363.4	12429.9	119.9	232.7	1355.0	10326.2	113.8	70.2
8	1361.6	12018.3	123.0	330.3	1355.3	10401.5	110.2	70.2
9	1360.2	11618.2	149.6	350.1	1355.6	10472.1	102.3	70.2
10	1358.3	11252.4	160.9	344.3	1355.9	10540.1	106.3	70.2
11	1357.0	10866.6	153.9	347.3	1356.2	10611.0	108.6	70.3
12	1355.6	10464.8	144.7	346.3	1356.5	10684.5	109.2	70.6
13	1354.0	10087.6	156.3	345.2	1356.8	10760.4	111.0	70.6
14	1352.5	9713.9	156.9	345.0	1357.1	10836.7	111.0	70.6
15	1351.0	9369.0	170.2	347.6	1357.4	10901.2	104.9	70.6
16	1349.4	9010.5	164.2	344.0	1357.6	10968.2	105.7	70.6
17	1347.5	8577.7	126.3	343.3	1357.9	11032.7	104.5	70.6
18	1346.9	8422.7	132.3	209.3	1358.2	11095.0	103.2	70.6
19	1347.3	8526.0	128.8	75.3	1358.4	11152.5	100.8	70.6
20	1347.8	8624.9	126.8	75.3	1358.7	11225.0	108.3	70.6
21	1348.2	8733.7	131.1	75.3	1358.9	11275.0	97.4	70.6
22	1348.6	8850.0	134.6	75.3	1359.0	11315.0	92.5	70.6
23	1349.0	8907.0	136.5	106.9	1359.2	11347.8	88.7	70.6
24	1349.5	9028.8	138.0	75.6	1359.3	11370.5	84.3	70.6
25	1350.1	9157.2	142.8	76.1	1359.3	11390.6	82.5	70.6
26	1350.6	9278.8	138.9	76.1	1359.4	11405.8	80.0	70.6
27	1351.1	9385.3	131.5	76.1	1359.5	11420.9	79.9	70.6
28	1351.5	9486.0	128.5	76.1	1359.5	11431.0	77.5	70.6
29	1351.9	9564.3	127.6	76.1	1359.5	11438.5	76.7	70.6
30	1352.3	9663.2	127.3	76.1	1359.5	11441.0	74.1	70.6
31					1359.5	11431.0	67.8	70.6
TOTAL			3979.9	4941.0			3143.5	2210.3
Inf. Ac. Ft.		7894.0				6246.9		
Outf. Ac. Ft.		9800.3 + (69.4)				4384.1 + (115.0)		
Max. Mean Daily Inf.		170.2				128.2		
Min. Mean Daily Inf.		86.9				67.8		
Storage Change		-1975.8				1747.8		

Day	JUNE Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JULY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1359.5	11426.0	70.4	70.6	1355.2	10372.4	40.8	70.7
2	1359.5	11420.9	70.2	70.6	1355.0	10311.8	42.9	70.7
3	1359.4	11415.9	59.4	70.5	1354.7	10246.7	40.5	70.5
4	1359.4	11408.3	68.2	70.6	1354.4	10179.2	39.0	70.2
5	1359.3	11393.2	64.6	70.4	1354.1	10109.3	37.7	70.2
6	1359.2	11375.5	63.5	70.1	1353.8	10032.5	34.5	70.2
7	1359.2	11357.9	63.2	70.1	1353.5	9966.0	40.4	70.2
8	1359.1	11335.2	60.6	70.1	1353.2	9896.4	35.8	70.2
9	1359.0	11310.0	59.4	70.1	1352.9	9827.2	38.0	70.2
10	1358.9	11285.0	59.7	70.0	1352.6	9751.7	36.9	70.0
11	1358.8	11252.4	55.9	69.7	1352.3	9680.8	37.3	69.8
12	1358.6	11215.0	52.9	69.7	1352.0	9605.3	34.5	69.8
13	1358.5	11180.0	53.4	69.7	1351.7	9528.1	33.4	69.8
14	1358.3	11142.5	52.8	69.7	1351.3	9450.9	33.4	69.8
15	1358.2	11105.0	53.0	69.7	1351.0	9366.7	35.1	74.6
16	1358.0	11067.4	52.1	69.7	1350.6	9287.1	31.1	70.8
17	1357.9	11035.1	54.6	69.7	1350.3	9204.2	32.8	70.2
18	1357.8	11010.0	58.4	69.7	1349.9	9125.5	32.7	70.2
19	1357.7	10990.5	61.3	69.7	1349.6	9046.0	32.1	70.2
20	1357.6	10953.3	52.7	69.7	1349.3	8969.0	34.5	70.2
21	1357.4	10915.6	51.7	69.7	1348.9	8886.5	31.0	70.2
22	1357.3	10876.4	53.1	69.7	1348.6	8811.2	35.5	70.2
23	1357.1	10831.8	49.3	69.7	1348.2	8729.1	31.0	70.0
24	1356.9	10782.5	45.4	69.7	1348.0	8673.0	47.2	69.7
25	1356.7	10733.5	48.6	69.7	1347.8	8636.2	50.8	69.7
26	1356.5	10677.1	44.7	69.7	1347.6	8604.1	48.1	69.7
27	1356.3	10625.6	46.6	69.5	1347.4	8541.7	48.4	69.7
28	1356.0	10562.0	40.0	69.5	1347.2	8502.2	51.3	69.7
29	1355.8	10503.6	43.0	69.5	1347.0	8467.1	52.8	69.7
30	1355.5	10436.1	42.0	71.9	1346.9	8432.7	51.9	69.7
31					1346.7	8392.6	52.5	69.7
TOTAL			1562.5	2098.9			1221.7	2176.5
Inf. Ac. Ft.		3097.6				2423.2		
Outf. Ac. Ft.		4163.1 + (127.4)				4317.0 + (161.6)		
Max. Mean Daily Inf.		70.4				52.8		
Min. Mean Daily Inf.		40.0				31.0		
Storage Change		-992.9				-2055.4		

Day	AUGUST Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	SEPTEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1346.4	8331.3	46.7	69.7	1338.1	6550.1	38.4	69.7
2	1346.2	8277.9	45.8	69.7	1337.8	6488.0	40.3	69.7
3	1346.0	8226.6	46.9	69.7	1337.4	6424.0	39.6	69.7
4	1345.8	8177.9	47.9	69.7	1337.1	6360.0	37.3	69.7
5	1345.5	8131.5	49.2	69.7	1336.8	6286.7	37.0	69.7
6	1345.3	8078.5	45.7	69.2	1336.4	6223.7	39.8	69.7
7	1345.1	8025.4	47.1	70.1	1336.2	6156.7	37.8	69.7
8	1344.8	7966.4	43.7	70.7	1335.8	6096.3	40.6	69.7
9	1344.5	7911.9	44.8	70.2	1335.5	6036.1	40.4	69.7
10	1344.3	7857.4	45.2	70.2	1335.2	5979.9	41.4	69.7
11	1344.1	7809.4	48.5	70.2	1334.9	5923.9	42.9	69.7
12	1343.8	7744.4	39.8	69.8	1334.6	5868.5	42.9	69.7
13	1343.5	7688.3	44.0	69.8	1334.3	5811.2	42.1	69.7
14	1343.3	7632.1	44.1	69.8	1334.0	5752.0	41.6	69.7
15	1343.0	7576.0	44.2	70.0	1333.7	5692.5	41.4	69.7
16	1342.7	7513.3	41.7	70.3	1333.4	5642.2	45.9	69.7
17	1342.4	7456.1	43.3	70.3	1333.1	5580.6	40.5	69.7
18	1342.2	7400.5	44.1	70.3	1332.8	5520.1	71.1	69.7
19	1341.9	7349.3	46.5	70.3	1332.5	5445.4	43.0	69.7
20	1341.7	7292.4	45.8	70.3	1332.0	5390.3	44.9	69.7
21	1341.4	7235.4	43.9	69.7	1331.7	5330.8	42.2	69.7
22	1341.1	7180.5	44.7	69.7	1331.3	5264.2	39.3	69.7
23	1340.8	7117.4	41.2	69.7	1331.0	5197.7	39.1	69.5
24	1340.5	7054.8	40.9	69.7	1330.6	5130.8	40.0	70.2
25	1340.2	6992.3	40.9	69.7	1330.2	5062.4	37.8	70.2
26	1339.9	6929.6	40.8	69.7	1329.8	4995.1	35.5	70.2
27	1339.6	6867.8	41.1	69.7	1329.5	4930.0	39.1	70.2
28	1339.3	6803.3	40.1	69.7	1329.1	4868.3	40.8	70.2
29	1339.0	6744.2	42.0	69.7	1328.7	4801.3	37.5	70.2
30	1338.7	6683.4	41.7	69.7	1328.4	4729.9	40.4	70.2
31	1338.4	6620.8	38.7	69.7				
TOTAL			1348.2	2166.7			1206.0	2094.4
Inf. Ac. Ft.		2693.9				2392.3		
Outf. Ac. Ft.		4297.6 + (162.1)				4154.2 + (114.9)		
Max. Mean Daily Inf.		49.2				45.9		
Min. Mean Daily Inf.		38.7				31.1		
Storage Change		-1765.8				-1876.9		

Max. W.S. Elev. 1363.50 feet on 4-7-75 Storage 12507 Acre-Feet

Min. W.S. Elev. 1311.09 feet on 11-12-74 Storage 2056 Acre-Feet

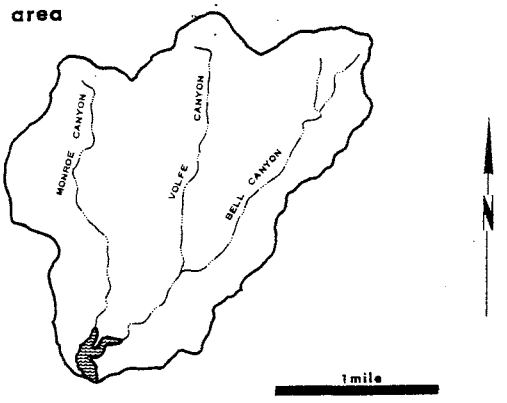
Max. Peak Inf. 880 CFS from 0400 on 3-6-75 to 0600 on 3-6-75

Max. Peak Outf. 440 CFS from on various dates on

REMARKS: ( ) Indicates evaporation losses.

BIG DALTON DAM AND RESERVOIR

drainage area



PURPOSE -
Flood Control and Conservation

DATE CONSTRUCTED -
Started December 1927 - Completed August 1929

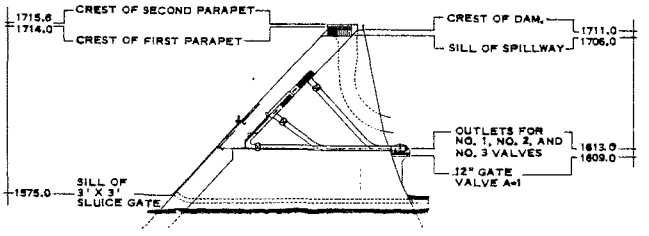
LOCATION -
Big Dalton Canyon, 4.0 miles northeast of Glendora

DRAINAGE AREA - 4.5 square miles

CAPACITY - 963 acre-feet

SPILLWAY ELEVATION - 1,706.0 feet

cross-section



BIG DALTON DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO	DAY	CFS
1929-30	52	3.2	0	52			N.D.
1930-31	41	2.0	0	41	4	26	3.0
1931-32	690	54	0	688	2	9	86
1932-33	79	5.2	0	81	1	20	12
1933-34	448	93	0	448	1	1	227
1934-35	593	21	0	575	4	8	49
1935-36	360	12	0	370	2	11	72
1936-37	1879	51	0	1868	2	6	98
1937-38	3271	415	0	3192	3	2	1320
1938-39	280	4.3	0	288	1	5	26
1939-40	232	4.0	0	236	1	8	29
1940-41	2767	56	+	2748	3	4	88
1941-42	209	2.3	0	233	3	14	6.0
1942-43	3143	160	0.1	3110	1	23	595
1943-44	1087	109	+	1085	2	22	226
1944-45	734	19	0	729	11	11	47
1945-46	525	40	0	509	12	23	148
1946-47	492	16	0	512	11	20	56
1947-48	58	0.7	0	7.7	4	28	9.7
1948-49	94	0.8	0	113	12	17	3.3
1949-50	142	2.0	0	130	2	6	3.5
1950-51	27	2.1	+	14	1	11	4.8
1951-52	1626	73	0	1577	1	16	154
1952-53	120	1.4	+	68	12	1	4.8
1953-54	346	13	0	359	1	25	53
1954-55	87	0.9	+	5.0	1	18	2.4
1955-56	190	14	+	213	1	26	56
1956-57	76	0.9	+	27	1	13	1.8
1957-58	2104	97	0	2052	4	3	169
1958-59	160	6.4	+	133	2	16	26
1959-60	54	0.6	+	11	4	27	4.8
1960-61	187	18	0	1510	11	5	462
1961-62	1222	63	0	933	12	2	1130
1962-63	248	20	0.1	159	2	9	92
1963-64	165	2.8	0	300	3	22	30
1964-65	380	18	0	15	4	9	73
1965-66	2210	113	0	2013	11	22	489
1966-67	4787	292	0.1	4790	12	6	485
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	374	4.0	0.1	211	3	6	7.8

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

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

Big Dalton Dam

1974-75

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

DRAINAGE AREA 4.5 SQ MI
CAPACITY OF RESERVOIR 963.4 AC FT
@ SPILLWAY ELEVATION 1706.0 FT
as of January 19 72

Day	OCTOBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	NOVEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	DECEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JANUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	1664.0	239.7	0.2	0	1664.8	248.8	0.2	0	1665.5	257.8	0.4	0	1667.7	284.6	0.3	0	1
2	1664.0	239.9	0.2	0	1664.8	249.3	0.3	0	1665.6	258.2	0.2	0	1667.7	285.3	0.4	0	2
3	1664.0	240.1	0.1	0	1664.9	249.6	0.1	0	1665.6	258.4	0.1	0	1667.8	286.2	0.5	0	3
4	1664.1	240.2	0.1	0	1664.9	250.0	0.3	0	1666.2	266.3	4.0	0	1667.9	287.0	0.5	0	4
5	1664.1	240.3	0.1	0	1664.9	250.5	0.3	0	1666.4	268.5	1.2	0	1667.9	287.8	0.4	0	5
6	1664.1	240.5	0.2	0	1664.9	250.6	0.2	0	1666.5	269.7	0.6	0	1668.0	288.4	0.4	0	6
7	1664.1	241.1	0.4	0	1664.9	250.7	0.2	0	1666.6	270.6	0.5	0	1668.0	289.1	0.4	0	7
8	1664.2	241.5	0.2	0	1664.9	250.8	0.1	0	1666.6	271.4	0.5	0	1668.1	289.7	0.3	0	8
9	1664.2	241.7	0.2	0	1665.0	250.9	0.2	0	1666.7	272.0	0.4	0	1668.1	290.2	0.3	0	9
10	1664.2	242.0	0.2	0	1665.0	251.2	0.2	0	1666.7	272.6	0.4	0	1668.2	290.8	0.3	0	10
11	1664.2	242.2	0.2	0	1665.0	251.3	0.2	0	1666.8	273.3	0.4	0	1668.2	291.0	0.2	0	11
12	1664.3	242.4	0.2	0	1665.0	251.4	0.2	0	1666.8	273.9	0.4	0	1668.2	291.3	0.2	0	12
13	1664.3	242.7	0.2	0	1665.0	251.6	0.2	0	1666.9	274.5	0.4	0	1668.3	291.9	0.4	0	13
14	1664.3	242.8	0.2	0	1665.0	251.8	0.1	0	1666.9	275.1	0.4	0	1668.3	292.6	0.4	0	14
15	1664.3	242.9	0.2	0	1665.1	252.4	0.4	0	1667.0	275.8	0.4	0	1668.3	293.1	0.3	0	15
16	1664.3	243.0	0.2	0	1665.1	252.5	0.1	0	1667.0	276.4	0.4	0	1668.4	293.5	0.3	0	16
17	1664.3	243.0	0.1	0	1665.1	253.0	0.3	0	1667.1	277.0	0.4	0	1668.4	293.9	0.3	0	17
18	1664.3	243.1	0.2	0	1665.2	253.5	0.3	0	1667.1	277.4	0.3	0	1668.5	294.5	0.4	0	18
19	1664.3	243.4	0.2	0	1665.2	253.7	0.1	0	1667.1	277.5	0.1	0	1668.5	294.9	0.2	0	19
20	1664.3	243.6	0.2	0	1665.2	254.2	0.4	0	1667.1	277.7	0.1	0	1668.5	295.3	0.3	0	20
21	1664.4	243.7	0.1	0	1665.3	254.3	0.1	0	1667.1	277.8	0.1	0	1668.5	295.5	0.2	0	21
22	1664.4	243.8	0.1	0	1665.3	254.9	0.3	0	1667.2	278.3	0.3	0	1668.6	295.8	0.2	0	22
23	1664.4	244.1	0.2	0	1665.3	255.2	0.2	0	1667.2	278.9	0.4	0	1668.6	296.2	0.3	0	23
24	1664.4	244.2	0.1	0	1665.3	255.4	0.2	0	1667.3	279.6	0.4	0	1668.6	296.4	0.2	0	24
25	1664.4	244.6	0.2	0	1665.4	255.7	0.3	0	1667.4	280.6	0.6	0	1668.6	296.8	0.3	0	25
26	1664.4	244.8	0.2	0	1665.4	255.9	0.2	0	1667.4	281.0	0.2	0	1668.7	297.5	0.4	0	26
27	1664.5	245.3	0.3	0	1665.4	256.1	0.2	0	1667.4	281.5	0.3	0	1668.7	297.7	0.2	0	27
28	1664.6	246.9	0.9	0	1665.4	256.3	0.1	0	1667.5	282.5	0.6	0	1668.7	298.1	0.2	0	28
29	1664.7	247.7	0.5	0	1665.4	256.5	0.2	0	1667.5	282.9	0.2	0	1668.8	298.8	0.4	0	29
30	1664.7	248.1	0.2	0	1665.5	257.2	0.4	0	1667.6	283.1	0.2	0	1668.8	299.5	0.4	0	30
31	1664.8	248.6	0.3	0					1667.6	283.9	0.4	0	1668.9	300.3	0.4	0	31
TOTAL			7.0	0			6.6	0			15.2	0			10.1	0	
Inf. Ac. Ft.		14.0				13.1				30.1				20.0			
Outf. Ac. Ft.		0 + (5.0)				0 + (4.5)				0 + (3.3)				0 + (3.5)			
Max. Mean Daily Inf.		0.9				0.4				4.0				0.5			
Min. Mean Daily Inf.		0.1				0.1				0.1				0.2			
Storage Change		9.0				8.5				26.8				16.4			

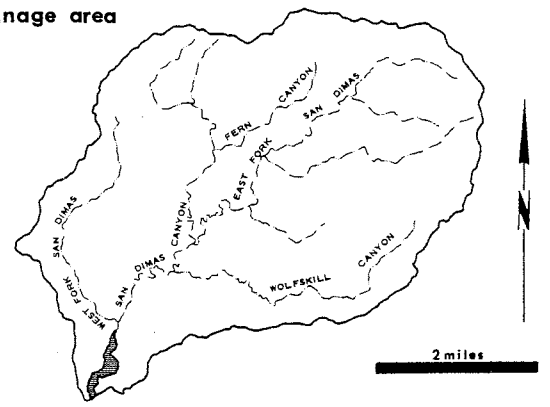
Day	FEBRUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MARCH Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	APRIL Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MAY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	1669.0	301.0	0.4	0	1671.8	339.2	0.4	0	1677.0	411.3	1.1	11.1	1668.9	299.9	0.7	0	1
2	1669.1	303.2	1.2	0	1671.9	339.9	0.4	0	1675.7	392.8	1.1	10.6	1669.0	301.1	0.7	0	2
3	1669.4	306.5	1.7	0	1671.9	340.5	0.4	0	1674.4	374.7	1.0	10.0	1669.1	302.8	0.7	0	3
4	1669.6	309.3	1.5	0	1672.0	341.7	0.5	0	1673.1	356.4	1.0	10.2	1669.2	304.1	0.7	0	4
5	1669.7	310.3	0.5	0	1672.4	346.3	2.5	0	1671.9	338.5	1.3	10.2	1669.3	305.4	0.7	0	5
6	1669.8	312.1	0.5	0	1672.6	350.1	1.9	0	1670.4	320.2	0.9	10.2	1669.3	305.0	0.7	1.3	6
7	1669.9	313.1	0.5	0	1673.0	354.2	2.5	0	1669.1	302.3	1.2	10.2	1669.4	306.3	0.7	0	7
8	1669.9	313.6	0.3	0	1673.4	360.7	2.9	0	1667.7	284.8	1.2	10.0	1669.5	307.6	0.7	0	8
9	1670.3	318.2	2.2	0	1674.0	368.4	3.9	0	1666.3	267.4	1.3	10.0	1669.6	309.0	0.7	0	9
10	1670.5	321.0	1.4	0	1674.5	376.4	4.0	0	1665.6	258.4	1.5	5.0	1669.6	310.0	0.7	0	10
11	1670.6	322.7	0.9	0	1674.9	382.6	2.7	0	1665.8	261.0	1.6	0	1669.7	311.0	0.7	0	11
12	1670.7	324.4	0.9	0	1675.1	384.6	1.7	0	1666.0	263.1	1.1	0	1669.8	311.7	0.7	0	12
13	1670.8	325.5	0.6	0	1675.5	390.6	2.9	0	1666.1	265.3	1.2	0	1669.9	312.9	0.7	0	13
14	1670.9	326.9	0.7	0	1675.9	396.2	2.9	0	1666.3	267.7	1.2	0	1670.0	314.2	0.7	0	14
15	1671.0	328.1	0.6	0	1676.3	400.7	2.4	0	1666.6	270.6	1.5	0	1670.0	315.0	0.7	0	15
16	1671.1	329.2	0.6	0	1676.5	404.5	2.0	0	1666.8	273.0	1.2	0	1670.1	315.9	0.7	0	16
17	1671.2	330.0	0.4	0	1676.7	407.4	1.5	0	1666.9	275.3	1.2	0	1670.2	317.0	0.7	0	17
18	1671.2	331.1	0.6	0	1676.9	410.4	1.7	0	1667.1	277.4	1.2	0	1670.3	318.2	0.7	0	18
19	1671.3	332.1	0.5	0	1677.1	413.4	1.6	0	1667.3	279.2	1.0	0	1670.4	320.3	0.7	0	19
20	1671.4	333.0	0.5	0	1677.4	416.8	1.5	0	1667.4	281.1	1.0	0	1670.6	322.2	0.7	0	20
21	1671.4	333.6	0.3	0	1677.6	419.7	1.5	0	1667.6	283.0	1.0	0	1670.6	323.2	0.7	0	21
22	1671.5	334.5	0.4	0	1677.8	423.4	2.2	0	1667.7	284.8	1.0	0	1670.7	323.9	0.7	0	22
23	1671.5	335.5	0.5	0	1678.0	426.6	1.7	0	1667.9	286.8	1.0	0	1670.7	324.3	0.7	0	23
24	1671.6	336.4	0.5	0	1678.2	429.1	1.4	0	1668.0	288.6	0.9	0	1670.8	325.0	0.7	0	24
25	1671.7	336.8	0.3	0	1678.4	432.4	1.8	0	1668.2	290.6	1.1	0	1670.9	326.2	0.7	0	25
26	1671.7	337.2	0.3	0	1678.6	435.0	1.4	0	1668.3	292.1	0.8	0	1671.0	327.5	0.6	0	26
27	1671.7	337.6	0.2	0	1678.8	437.3	1.3	0	1668.4	293.3	0.7	0	1671.0	328.3	0.6	0	27
28	1671.8	338.7	0.5	0	1678.9	439.8	1.4	0	1668.5	294.9	0.9	0	1671.1	329.0	0.6	0	28
29					1679.0	441.1	0.9	0	1668.6	296.4	0.9	0	1671.1	329.9	0.6	0	29
30					1679.2	442.7	0.9	0	1668.8	298.4	1.1	0	1671.2	330.7	0.5	0	30
31					1678.7	430.6	2.2	7.2					1671.3	331.6	0.5	0	31
TOTAL			20.7	0			55.9	7.2			33.2	97.9			20.9	1.3	
Inf. Ac. Ft.		41.0				110.9				65.8				41.4			
Outf. Ac. Ft.		0 + (2.7)				14.3 + (4.7)				194.2 + (3.9)				2.6 + (5.6)			
Max. Mean Daily Inf.		2.2				4.0				1.6				0.7			
Min. Mean Daily Inf.		0.2				0.4				0.7				0.5			
Storage Change		38.3				91.9				-132.2				33.3			

Day	JUNE Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JULY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	AUGUST Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	SEPTEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	1671.3	332.2	0.4	0	1672.3	345.6	0.2	0	1672.3	345.7	0.1	0	1672.0	341.3	0.1	0	1
2	1671.3	332.5	0.3	0	1672.3	345.7	0.2	0	1672.3	345.7	0.2	0	1672.0	341.2	0.1	0	2
3	1671.4	332.7	0.2	0	1672.3	345.7	0.2	0	1672.3	345.7	0.1	0	1672.0	341.1	0.1	0	3
4	1671.4	333.1	0.4	0	1672.3	345.8	0.2	0	1672.3	345.6	0.1	0	1672.0	341.1	0.1	0	4
5	1671.4	333.9	0.5	0	1672.3	345.8	0.1	0	1672.3	345.4	0.1	0	1672.0	341.1	0.1	0	5
6	1671.5	334.6	0.3	0	1672.3	346.0	0.2	0	1672.3	345.4	0.1	0	1672.0	341.1	0.1	0	6
7	1671.5	335.4	0.4	0	1672.3	346.2	0.2	0	1672.3	345.3	0.1	0	1672.0	341.1	0.1	0	7
8	1671.6	336.0	0.5	0	1672.4	346.3	0.2	0	1672.3	345.2	0.1	0	1672.0	341.1	0.1	0	8
9	1671.6	336.6	0.3	0	1672.4	346.4	0.2	0	1672.3	345.2	0.1	0	1672.0	341.1	0.1	0	9
10	1671.7	336.8	0.2	0	1672.4	346.4	0.2	0	1672.3	345.0	0.1	0	1672.0	341.1	0.1	0	10
11	1671.7	336.9	0.2	0	1672.4	346.4	0.2	0	1672.3	344.9	0.1	0	1672.0	341.1	0.1	0	11
12	1671.7	337.4	0.4	0	1672.4	346.5	0.3	0	1672.3	344.8	0.1	0	1672.0	341.1	0.1	0	12
13	1671.7	337.7	0.2	0	1672.4	346.5	0.2	0	1672.2	344.5	0.1	0	1672.0	341.1	0.1	0	13
14	1671.7	337.8	0.2	0	1672.4	346.5	0.1	0	1672.2	344.2	0.1	0	1672.0	341.1	0.1	0	14
15	1671.8	338.5	0.4	0	1672.4	346.5	0.2	0	1672.2	344.1	0.1	0	1672.0	340.9	0.1	0	15
16	1671.8	338.9	0.3	0	1672.4	346.5	0.1	0	1672.2	344.1	0.1	0	1672.0	340.8	0.1	0	16
17	1671.9	339.9	0.4	0	1672.4	346.4	0.1	0	1672.2	343.9	0.1	0	1671.9	340.7	0.1	0	17
18	1672.0	340.5	0.5	0	1672.4	346.4	0.1	0	1672.2	343.7	0.1	0	1671.9	340.7	0.1	0	18
19	1672.0	341.4	0.4	0	1672.4	346.4	0.1	0	1672.1	343.4	0.1	0	1671.9	340.7	0.1	0	19
20	1672.1	342.2	0.4	0	1672.4	346.4	0.1	0	1672.1	343.[illegible]	0.1	0	1671.9	340.7	0.1	0	20
21	1672.1	343.1	0.6	0	1672.4	346.[illegible]	0.1	0	1672.1	343.3	0.1	0	1671.9	340.5	0.1	0	21
22	1672.2	343.5	0.4	0	1672.4	346.3	0.1	0	1672.1	343.3	0.1	0	1671.9	340.4	0.1	0	22
23	1672.2	344.0	0.3	0	[illegible]	346.3	0.1	0	1672.1	343.3	0.1	0	1671.9	340.3	0.1	0	23
24	1672.2	344.4	0.2	0	1672.4	346.[illegible]	0.2	0	1672.1	343.1	0.1	0	1671.9	340.3	0.1	0	24
25	1672.2	344.6	0.2	0	[illegible]	[illegible]	[illegible]	0	1672.1	342.8	0.1	0	1671.9	339.7	0.1	0	25
26	1672.3	344.5	0.4	0	1672.3	346.1	0.1	0	1672.1	342.6	0.1	0	1671.9	339.5	0.1	0	26
27	1672.3	344.9	0.2	0	1672.3	346.1	0.1	0	1672.1	342.2	0.1	0	1671.8	339.[illegible]	0.1	0	27
28	1672.3	345.0	0.2	0	1672.3	346.0	0.1	0	[illegible]	342.0	0.1	0	1671.8	339.[illegible]	0.1	0	28
29	1672.3	345.3	0.3	0	1672.3	[illegible]	[illegible]	0	[illegible]	341.[illegible]	0.1	0	1671.8	338.[illegible]	0.1	0	29
30	1672.3	345.6	0.3	0	1672.3	[illegible]	[illegible]	0	[illegible]	341.6	0.1	0	1671.8	338.[illegible]	0.1	0	30
31					1672.3	[illegible]	[illegible]	0	1672.0	341.5	0.1	0					31
TOTAL			10.2	0			[illegible]	0			[illegible]	0			3.0	0	
Inf. Ac. Ft.		20.2				[illegible]				[illegible]				[illegible]			
Outf. Ac. Ft.		0 + (6.2)				0 + (4.7)				0 + ([illegible])				0 + (3.4)			
Max. Mean Daily Inf.		0.6				0.3				[illegible]				0.2			
Min. Mean Daily Inf.		0.2				0.1				[illegible]				[illegible]			
Storage Change		14.0				[illegible]				[illegible]				-2.4			

Max. W.S. Elev. 1679.25 feet on 3-31-75 Storage [illegible] Acre-Feet
Min. W.S. Elev. 1664.01 feet on 10-1-74 Storage [illegible] Acre-Feet
Max. Peak Inf. 7.5 CFS from [illegible] on 3-6-75 to 1300 on 3-6-75
Max. Peak Outf. 125.0 CFS from [illegible] on 4-6-75 to [illegible] on 4-6-75

REMARKS: (Indicates average for period.
( ) Indicates evaporation losses.

SAN DIMAS DAM
AND RESERVOIR



PURPOSE - Flood Control and Conservation

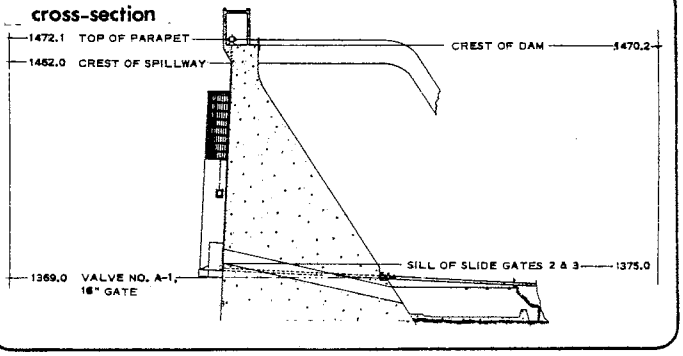
DATE CONSTRUCTED -
Started November 1920 - Completed September 1922

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



SAN DIMAS DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO	DAY	CFS
1928-29	N.D.	N.D.	0	N.D.			N.D.
1929-30	591	28	0	573			N.D.
1930-31	585	23	0	466			N.D.
1931-32	2502	162	0	2496			N.D.
1932-33	652	50	0	648			N.D.
1933-34	1351	229	0	1357	1	1	422
1934-35	1753	60	0	1682	4	8	145
1935-36	1094	35	0	1136	2	11	155
1936-37	6316	154	0	6126	2	6	296
1937-38	12492	1600	0.4	12494	3	2	4920
1938-39	2165	43	0.2	2024	1	5	80
1939-40	1532	60	0	1600	1	8	302
1940-41	9645	131	0.1	9260	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	0.4	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	342
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	6324	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

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

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

San Dimas Dam

1974-75

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

DRAINAGE AREA 16.2 SQ. MI.
CAPACITY OF RESERVOIR 1524.3 AC. FT.
@ SPILLWAY ELEVATION 1462.0 FT.
as of November 1970

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	1418.1	294.5	0.4	0.9	1413.5	214.5	1.5	0.3	1415.1	238.3	1.1	0.8	1419.7	323.6	1.1	0.8	1
2	1418.1	293.4	0.4	0.9	1413.6	215.4	1.4	0.9	1415.1	239.7	1.3	0.8	1419.8	325.3	1.6	0.6	2
3	1418.0	292.4	0.4	0.9	1413.6	216.3	1.4	0.3	1415.1	240.7	1.1	0.8	1419.9	326.9	1.5	0.6	3
4	1418.0	291.9	0.4	0.8	1413.7	217.2	1.1	0.6	1416.8	271.1	16.6	1.2	1419.9	328.4	1.6	0.8	4
5	1418.0	291.7	0.4	0.6	1413.8	217.9	1.1	0.6	1417.2	277.5	4.5	0.9	1420.0	329.9	1.7	0.9	5
6	1418.0	291.5	0.4	0.6	1413.8	218.5	0.8	0.4	1417.4	281.7	2.0	0.9	1420.1	331.5	1.6	0.9	6
7	1418.0	291.7	0.4	0.3	1413.8	219.4	0.9	0.4	1417.5	283.5	2.0	0.9	1420.1	332.8	1.7	0.9	7
8	1418.0	292.5	0.4	0.3	1413.9	220.2	0.5	0.3	1417.6	285.3	1.9	0.9	1420.2	334.3	1.9	0.9	8
9	1417.2	277.6	0.4	6.8	1413.9	220.8	0.8	0.4	1417.7	286.6	1.6	0.9	1420.3	336.2	1.6	0.9	9
10	1415.9	254.5	0.4	11.6	1414.0	221.5	0.8	0.4	1417.8	287.7	1.3	0.9	1420.4	337.5	1.6	0.9	10
11	1414.6	231.4	0.4	11.2	1414.0	222.2	0.8	0.4	1417.8	289.1	1.7	0.9	1420.5	339.1	1.5	0.7	11
12	1413.2	208.9	0.4	10.5	1414.0	222.8	0.7	0.3	1417.9	290.2	1.5	0.9	1420.5	340.5	1.4	0.7	12
13	1412.6	199.8	0.5	4.9	1414.1	223.5	0.7	0.3	1418.0	291.5	1.6	0.9	1420.6	341.8	1.4	0.7	13
14	1412.6	199.8	0.5	0.6	1414.1	223.8	0.6	0.3	1418.0	292.6	1.5	0.9	1420.7	343.2	1.5	0.7	14
15	1412.6	199.8	0.5	0.4	1414.2	224.9	0.9	0.3	1418.1	294.1	1.7	0.9	1420.7	344.4	1.4	0.7	15
16	1412.6	199.5	0.6	0.6	1414.2	225.9	0.9	0.3	1418.1	295.0	1.4	0.7	1420.8	346.7	2.0	0.7	16
17	1412.5	199.2	0.6	0.8	1414.3	226.9	0.8	0.3	1418.2	296.5	1.7	0.9	1420.9	348.2	1.5	0.7	17
18	1412.6	199.5	0.6	0.3	1414.4	228.1	1.0	0.4	1418.3	297.5	1.4	0.9	1421.0	348.9	1.2	0.7	18
19	1412.6	199.0	0.6	0.8	1414.4	229.1	0.9	0.4	1418.3	298.8	1.6	0.9	1421.0	350.1	1.4	0.7	19
20	1412.6	198.7	0.7	0.8	1414.5	230.3	1.2	0.6	1418.4	299.9	1.4	0.8	1421.1	351.3	1.3	0.5	20
21	1412.6	198.7	0.8	0.8	1414.6	231.4	1.2	0.6	1418.5	301.2	1.5	0.8	1421.1	352.5	1.5	0.6	21
22	1412.6	198.7	0.8	0.8	1414.6	232.5	1.2	0.6	1418.5	302.1	1.3	0.8	1421.2	353.5	1.1	0.6	22
23	1412.6	198.8	0.9	0.3	1414.7	233.6	1.2	0.6	1418.6	303.5	1.3	0.6	1421.2	354.5	1.2	0.6	23
24	1412.6	199.3	0.9	0.6	1414.8	234.6	1.2	0.6	1418.7	305.0	1.4	0.6	1421.3	355.7	1.3	0.6	24
25	1412.6	199.6	1.0	0.5	1414.8	235.5	1.1	0.6	1418.8	306.3	1.3	0.6	1421.4	356.7	1.2	0.6	25
26	1412.6	199.9	1.1	1.2	1414.9	236.4	1.1	0.6	1418.8	307.2	1.4	0.6	1421.4	357.7	1.2	0.6	26
27	1412.7	200.4	1.2	0.9	1414.9	237.0	1.0	0.6	1418.9	309.4	1.9	0.6	1421.5	359.1	1.4	0.6	27
28	1413.2	208.3	5.0	1.0	1414.9	237.5	0.9	0.6	1419.2	314.6	3.4	0.3	1421.6	360.9	1.5	0.6	28
29	1413.5	211.4	2.5	0.9	1414.9	238.0	1.1	0.8	1419.4	318.8	2.9	0.9	1421.6	362.5	1.6	0.8	29
30	1413.4	212.7	1.5	0.8	1415.0	236.3	1.1	0.8	1419.5	321.3	2.1	0.8	1421.7	364.3	1.3	1.5	30
31	1413.5	213.8	1.4	0.8					1419.6	323.4	1.9	0.8	1421.8	366.1	1.7	0.3	31
TOTAL			26.5	65.3			30.1	15.6			79.2	25.7			46.0	22.7	
Inf. Ac. Ft.	52.6				59.7				159.2				91.2				
Outf. Ac. Ft.	129.5 + (5.1)				31.3 + (3.8)				51.0 + (3.1)				45.0 + (3.5)				
Max. Mean Daily Inf.	5.0				1.4				16.6				2.0				
Min. Mean Daily Inf.	0.4				0.6				1.1				1.1				
Storage Change	-82.0				24.5				85.1				42.7				

Day	FEBRUARY Gage Height	FEBRUARY Acre-Ft. Storage	FEBRUARY CFS Inflow	FEBRUARY CFS Outflow	MARCH Gage Height	MARCH Acre-Ft. Storage	MARCH CFS Inflow	MARCH CFS Outflow	APRIL Gage Height	APRIL Acre-Ft. Storage	APRIL CFS Inflow	APRIL CFS Outflow	MAY Gage Height	MAY Acre-Ft. Storage	MAY CFS Inflow	MAY CFS Outflow	Day
1	1421.9	367.7	1.6	0.6	1420.2	334.0	1.5	0.8	1419.0	310.6	4.5	11.2	1426.9	475.2	2.5	0.4	1
2	1422.0	369.9	2.3	0.3	1420.3	335.4	1.6	0.2	1418.8	307.0	4.0	5.7	1427.1	479.2	2.5	0.3	2
3	1422.5	387.0	3.5	0.3	1420.4	336.3	1.7	0.8	1419.0	310.4	3.0	1.2	1427.2	483.0	2.4	0.3	3
4	1423.2	394.2	4.8	0.6	1420.1	338.5	1.7	0.2	1419.1	313.8	3.0	1.2	1427.5	486.9	2.3	0.3	4
5	1423.5	399.9	3.7	0.3	1420.6	342.8	4.0	0.2	1419.6	323.3	5.2	1.2	1427.6	490.2	2.1	0.3	5
6	1423.6	403.9	2.8	0.3	1423.3	397.6	32.[illegible]	0.4	1420.2	333.8	6.3	1.2	1427.8	493.6	2.2	0.2	6
7	1423.8	407.0	2.4	0.8	1424.0	411.6	7.9	0.3	1420.6	339.7	4.0	1.0	1427.9	497.0	2.1	0.2	7
8	1423.9	410.1	2.4	0.8	1425.0	445.7	17.8	0.9	1420.9	346.4	4.4	1.0	1428.1	500.4	2.1	0.2	8
9	1424.5	421.2	6.5	0.3	1426.7	47[illegible]	13.6	0.2	1421.4	356.3	6.7	1.0	1428.2	503.3	1.9	0.2	9
10	1425.0	431.9	5.5	0.9	1428.4	508.9	20.4	0.4	1421.8	365.1	5.2	1.0	1428.3	506.3	1.8	0.2	10
11	1425.3	438.0	3.9	0.8	1428.6	513.4	12.1	4.9	1422.1	372.8	4.4	1.0	1428.4	509.0	1.8	0.2	11
12	1425.4	442.4	3.0	0.8	1427.9	494.8	7.1	18.0	1422.5	374.6	4.4	1.0	1428.6	511.8	1.8	0.2	12
13	1425.5	446.0	2.7	0.8	1427.5	493.2	4.0	12.8	1422.8	385.7	4.2	1.0	1428.6	513.4	2.0	1.0	13
14	1425.5	449.6	2.4	0.6	1428.7	514.0	13.2	0.2	1423.1	392.1	4.2	1.0	1428.7	515.6	1.6	0.7	14
15	1425.4	442.4	2.5	6.4	1429.[illegible]	52[illegible]	7.6	0.2	1423.4	399.2	4.5	1.0	1428.8	517.9	1.5	0.7	15
16	1424.7	425.5	2.[illegible]	10.9	1429.[illegible]	541.5	6.6	0.2	1423.7	405.5	4.2	1.0	1428.9	520.6	1.8	0.3	16
17	1424.0	411.2	3.3	10.5	1429.4	531.3	6.2	11.3	1424.0	411.2	3.9	1.0	1429.1	523.4	1.8	0.3	17
18	1422.9	389.0	2.2	13.3	1428.4	507.7	5.4	17.2	1424.3	416.5	3.6	1.0	1429.2	525.7	1.5	0.3	18
19	1421.5	359.5	2.4	17.2	1427.[illegible]	48[illegible]	5.0	17.2	1424.5	421.7	3.7	1.0	1429.3	529.5	1.9	0.4	19
20	1420.1	332.6	2.4	15.9	1426.2	459.0	5.0	16.0	1424.7	426.2	3.4	1.0	1429.5	534.1	3.2	0.4	20
21	1419.5	320.3	1.4	2.6	1425.1	437.9	5.4	13.0	1424.9	430.7	3.4	1.0	1429.7	537.5	2.4	0.4	21
22	1419.6	322.0	1.5	0.3	1424.7	43[illegible].7	5.3	6.3	1425.1	435.2	3.4	1.0	1429.8	540.5	1.9	0.4	22
23	1419.7	324.0	1.8	0.3	1425.7	447.0	4.7	0.2	1425.3	439.8	3.4	1.0	1429.9	543.3	1.9	0.4	23
24	1419.8	325.7	1.8	0.5	1425.3	440.0	4.0	7.0	1425.5	444.1	3.2	1.0	1430.0	545.6	1.7	0.4	24
25	1419.9	327.4	1.8	0.3	1424.5	423.5	3.1	13.2	1425.8	448.9	3.4	0.4	1430.1	547.8	1.5	0.3	25
26	1420.0	329.3	1.8	0.8	1423.8	406.2	4.4	13.2	1426.0	453.7	3.3	0.8	1430.2	549.6	1.4	0.3	26
27	1420.0	331.1	1.6	0.8	1422.9	387.6	3.9	13.2	1426.2	458.2	3.1	0.7	1430.3	551.8	1.5	0.3	27
28	1420.1	332.6	1.7	0.8	1422.0	370.4	3.9	12.5	1426.4	462.8	3.1	0.6	1430.4	553.6	1.4	0.3	28
29					1421.2	353.3	4.0	12.5	1426.6	467.0	2.6	0.5	1430.0	544.8	1.5	5.0	29
30					1420.4	337.7	4.1	11.8	1426.8	471.2	2.7	0.4	1429.0	520.9	2.8	14.5	30
31					1419.7	323.5	4.7	11.2					1427.9	497.4	2.9	14.4	31
TOTAL			83.8	99.3			231.2	233.6			119.9	43.6			61.8	44.2	
Inf. Ac. Ft.	116.3				458.6				237.8				122.6				
Outf. Ac. Ft.	197.0 + (2.8)				463.3 + (4.2)				86.5 + (3.5)				87.5 + (9.0)				
Max. Mean Daily Inf.	9.5				38.5				6.3				3.2				
Min. Mean Daily Inf.	1.6				1.6				2.7				0.8				
Storage Change	-34.5				-8.3				147.4				26.2				

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	1426.9	473.9	2.1	13.8	1416.9	270.7	0.6	0.2	1415.3	244.6	0.4	1.6	1412.0	189.6	0.7	1.0	1
2	1425.8	450.7	2.1	13.8	1416.9	271.7	0.6	0.2	1415.4	243.7	0.4	1.6	1411.9	187.8	0.2	1.0	2
3	1424.6	427.1	2.1	13.2	1416.9	271.[illegible]	0.7	[illegible]	1415.2	243.0	0.7	0.8	1411.8	186.1	0.3	1.0	3
4	1423.7	404.9	2.1	13.2	1416.8	268.4	0.6	0.2	1415.2	241.5	0.4	0.9	1411.6	184.2	0.2	1.0	4
5	1422.6	382.1	2.1	13.2	1416.7	[illegible]	0.5	[illegible]	1415.0	239.3	0.3	1.0	1411.5	181.1	0.1	1.0	5
6	1421.4	359.7	2.1	13.2	1416.5	267.5	0.6	0.2	1414.9	237.3	0.4	1.0	1411.4	180.6	0.4	1.0	6
7	1420.4	337.7	2.1	13.2	1416.6	266.7	0.5	0.9	1414.8	235.5	0.3	1.0	1411.3	178.9	0.3	1.0	7
8	1419.3	315.9	2.1	13.2	1416.5	265.8	0.9	1.2	1414.7	233.8	0.4	1.1	1411.2	177.2	0.2	1.0	8
9	1418.1	294.3	2.0	13.2	1416.5	264.6	0.8	1.2	1414.6	232.7	0.4	1.0	1411.1	176.0	0.4	0.9	9
10	1416.9	272.9	1.3	12.5	1416.4	263.7	0.9	1.2	1414.5	231.1	0.4	0.8	1411.0	174.8	[illegible]	0.9	10
11	1416.3	261.9	1.5	6.4	1416.3	262.6	0.7	1.2	1414.5	230.6	0.3	[illegible]	1410.9	173.6	0.5	[illegible]	11
12	1416.3	262.2	1.2	0.6	1416.3	260.8	0.5	1.0	1414.4	228.2	0.2	1.2	1410.9	172.6	0.2	0.8	12
13	1416.4	264.0	1.2	0.6	1416.2	259.9	0.7	0.9	1414.2	226.0	0.3	1.2	1410.8	171.4	0.3	0.8	13
14	1416.4	263.3	0.9	0.6	1416.1	258.[illegible]	0.5	0.9	1414.1	227.8	0.3	1.2	1410.7	169.8	0.2	0.9	14
15	1416.4	263.6	1.0	0.6	1416.1	257.5	0.6	0.9	1414.0	221.7	0.3	1.2	1410.6	168.3	0.3	1.0	15
16	1416.5	264.[illegible]	1.4	0.8	1416.0	256.9	0.7	0.9	1413.8	219.4	0.2	1.2	1410.4	166.5	0.1	1.0	16
17	1416.6	266.[illegible]	1.6	0.5	1416.0	255.7	0.5	0.9	1413.7	217.4	0.4	1.2	1410.3	164.6	0.3	1.2	17
18	1416.7	268.5	[illegible]	0.6	1415.9	[illegible]	0.7	0.9	1413.6	215.4	0.3	1.2	1410.2	162.5	0.1	1.0	18
19	1416.8	270.6	[illegible]	0.6	1415.9	[illegible]	0.7	[illegible]	1413.5	213.5	0.3	1.2	1410.0	160.6	[illegible]	[illegible]	19
20	1416.9	272.[illegible]	1.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1413.4	[illegible]	0.3	[illegible]	1409.[illegible]	[illegible]	0.1	0.8	20
21	1417.0	274.[illegible]	1.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1413.2	209.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.2	[illegible]	21
22	1417.1	275.3	1.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1413.1	207.[illegible]	0.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22
23	1417.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.7	[illegible]	23
24	1417.2	[illegible]	1.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.2	[illegible]	24
25	1417.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25
26	1417.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26
27	1417.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27
28	1417.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28
29	1417.0	274.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29
30	1417.0	273.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30
31					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					31
TOTAL			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]	
Inf. Ac. Ft.	[illegible]				[illegible]				13.[illegible]				13.8				
Outf. Ac. Ft.	[illegible] + ([illegible])				[illegible] + ([illegible])				[illegible] + ([illegible])				[illegible] + ([illegible])				
Max. Mean Daily Inf.	[illegible]				1.4				[illegible]				0.5				
Min. Mean Daily Inf.	[illegible]				[illegible]				[illegible]				0.1				
Storage Change	-[illegible]				[illegible]				-[illegible]				-47.[illegible]				

Max. W.S. Elev. 1430.43 feet on [illegible]-75 Storage [illegible] Acre-Feet

Min. W.S. Elev. [illegible] feet on [illegible]-75 Storage [illegible] Acre-Feet

Max. Peak Inf. [illegible] CFS from [illegible] on [illegible] to [illegible] on [illegible]-75

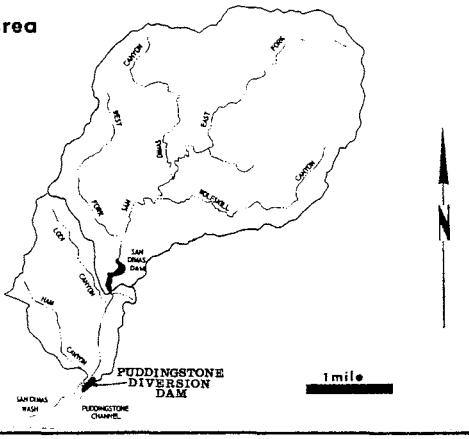
Max. Peak Outf. [illegible] CFS from [illegible] on [illegible]-75 to [illegible] on [illegible]-75

REMARKS: (Indicates average for period.

/ Indicates evaporation losses.

PUDDINGSTONE DIVERSION DAM AND RESERVOIR

drainage area



PURPOSE -
Flood Control and Diversion of flow and Conservation

DATE CONSTRUCTED -
Started September 1927 - Completed July 1928

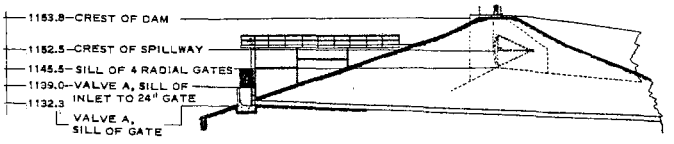
LOCATION - 2.0 miles northeast of San Dimas

DRAINAGE AREA - 3.7 square miles (uncontrolled)
16.2 square miles (controlled)
Total 19.9 square miles

CAPACITY - 148 acre-feet

SPILLWAY ELEVATION - 1,152.0 feet

cross-section



PUDDINGSTONE DIVERSION DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO	PEAK INFLOW DAY	PEAK INFLOW CFS
1935-36	304	48	0	304	4	10	85
1936-37	5014	104	0	4446			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	210
1973-74	1660	75	0	1371	1	7	110
1974-75	969	15	0	786	3	6	46

N.D. = NOT DETERMINED

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

Pusadinestone Diversion Dam

1974-75

DRAINAGE AREA 1.67 SQ. MI.
CAPACITY OF RESERVOIR [illegible] AC. FT.,
at SPILLWAY ELEVATION [illegible] FT.,
as of June, 19[illegible]

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31
TOTAL		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]	
Inf. Ac. Ft.			[illegible]				[illegible]				[illegible]				[illegible]		
Outf. Ac. Ft.			[illegible]				[illegible]				[illegible]				[illegible]		
Max. Mean Daily Inf.			[illegible]				[illegible]				[illegible]				[illegible]		
Min. Mean Daily Inf.			[illegible]				[illegible]				[illegible]				[illegible]		
Storage Change			[illegible]				[illegible]				[illegible]				[illegible]		

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	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28
29					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29
30					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30
31					[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]	[illegible]	[illegible]	31
TOTAL		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]	
Inf. Ac. Ft.			[illegible]				[illegible]				[illegible]				[illegible]		
Outf. Ac. Ft.			[illegible]				[illegible]				[illegible]				[illegible]		
Max. Mean Daily Inf.			[illegible]				[illegible]				[illegible]				[illegible]		
Min. Mean Daily Inf.			[illegible]				[illegible]				[illegible]				[illegible]		
Storage Change			[illegible]				[illegible]				[illegible]				[illegible]		

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	[illegible]	[illegible]	[illegible]	[illegible]													1
2	[illegible]	[illegible]	[illegible]	[illegible]													2
3	[illegible]	[illegible]	[illegible]	[illegible]													3
4	[illegible]	[illegible]	[illegible]	[illegible]													4
5	[illegible]	[illegible]	[illegible]	[illegible]													5
6	[illegible]	[illegible]	[illegible]	[illegible]													6
7	[illegible]	[illegible]	[illegible]	[illegible]													7
8	[illegible]	[illegible]	[illegible]	[illegible]													8
9	[illegible]	[illegible]	[illegible]	[illegible]													9
10	[illegible]	[illegible]	[illegible]	[illegible]													10
11	[illegible]	[illegible]	[illegible]	[illegible]													11
12	[illegible]	[illegible]	[illegible]	[illegible]													12
13	[illegible]	[illegible]	[illegible]	[illegible]													13
14	[illegible]	[illegible]	[illegible]	[illegible]													14
15	[illegible]	[illegible]	[illegible]	[illegible]													15
16	[illegible]	[illegible]	[illegible]	[illegible]													16
17	[illegible]	[illegible]	[illegible]	[illegible]													17
18	[illegible]	[illegible]	[illegible]	[illegible]													18
19	[illegible]	[illegible]	[illegible]	[illegible]													19
20	[illegible]	[illegible]	[illegible]	[illegible]													20
21	[illegible]	[illegible]	[illegible]	[illegible]													21
22	[illegible]	[illegible]	[illegible]	[illegible]													22
23	[illegible]	[illegible]	[illegible]	[illegible]													23
24	[illegible]	[illegible]	[illegible]	[illegible]													24
25	[illegible]	[illegible]	[illegible]	[illegible]													25
26	[illegible]	[illegible]	[illegible]	[illegible]													26
27	[illegible]	[illegible]	[illegible]	[illegible]													27
28	[illegible]	[illegible]	[illegible]	[illegible]													28
29	[illegible]	[illegible]	[illegible]	[illegible]													29
30	[illegible]	[illegible]	[illegible]	[illegible]													30
31																	31
TOTAL			[illegible]														
Inf. Ac. Ft.			[illegible]														
Outf. Ac. Ft.			[illegible]														
Max. Mean Daily Inf.			[illegible]														
Min. Mean Daily Inf.			[illegible]														
Storage Change			[illegible]														

Max. Mean Daily Outf. [illegible] CFS on [illegible] Storage [illegible] Acre-Feet

Min. Mean Daily Outf. [illegible] CFS on [illegible] Storage [illegible] Acre-Feet

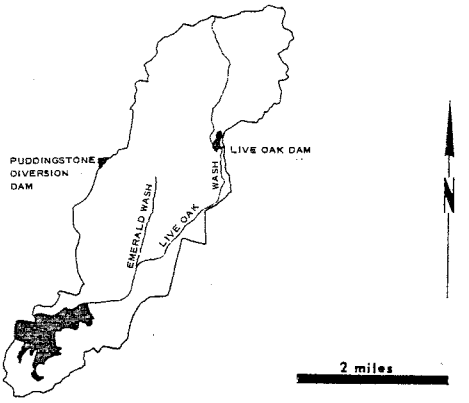
Max. Peak Inf. [illegible] CFS from [illegible] to [illegible]

Max. Peak Outf. [illegible] CFS from [illegible] to [illegible]

REMARKS [illegible]

PUDDINGSTONE DAM AND RESERVOIR

drainage area



PURPOSE - Flood Control and Recreation

DATE CONSTRUCTED -
Started February 1925 - Completed January 1928

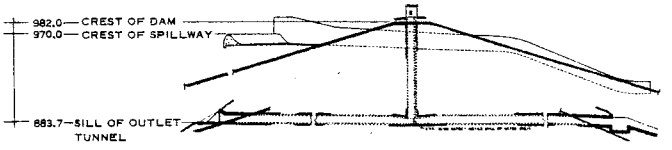
LOCATION - 1.0 mile south of San Dimas

DRAINAGE AREA - 11.0 square miles (uncontrolled)
22.1 square miles (controlled)
Total 33.1 square miles

CAPACITY - 16,856 acre-feet

SPILLWAY ELEVATION - 970.0 feet

cross-section



PUDDINGSTONE DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	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	8.5	0	119			N.D.
1931-32	1547	162	0	1086			N.D.
1932-33	314	30	0	906			N.D.
1933-34	2669	596	0	1809			N.D.
1934-35	610	N.D.	N.D.	846	1	15	205
1935-36	703	54	0	969	4	10	590
1936-37	5732	303	0	2173	2	6	1480
1937-38	12221	2200	0	7544	3	2	5310
1938-39	1576	101	0	5305			N.D.
1939-40	546	54	0	2526	1	7	449
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	3368	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	312982Δ	244	0	31609	1	25	600
1954-55	260656Δ	255	0	23287	11	11	338
1955-56	573094Δ	458	0	50771	1	26	1360
1956-57	505833Δ	216	0	53781	1	13	262
1957-58	6670	302	0	1976	4	3	690
1958-59	394	68	0	72	1	6	971
1959-60	837	80	0	40	1	12	148
1960-61	109004Δ	198	0	9416	11	6	179
1961-62	4483	173	0	33	12	2	983
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	19	365
1971-72	1007	186	+	+	12	24	538
1972-73	4038	341	0.1	+	2	11	604
1973-74	2409	1070	0.1	1669	1	7	660
1974-75	1832	153	0	1832	12	4	769

N.D. = NOT DETERMINED
\+ = LESS THAN 0.05 ACRE FEET OR LESS THAN 0.05 CFS, BUT GREATER THAN 0.
Δ = ANNUAL ACRE-FEET INCLUDES IMPORTED WATER

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

Puddingstone Dam

1973-74

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

DRAINAGE AREA 33.4 SQ. MI.
CAPACITY OF RESERVOIR 15,556 AC. FT.
AT SPILLWAY ELEVATION 970.0 FT.
as of November 1955

Day	OCTOBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	NOVEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	938.6	5884.1	0.1	0	938.6	5881.1	0.2	0
2	938.6	5882.7	0.1	0	938.6	5879.5	0	0
3	938.6	5884.0	0.1	0	938.6	5874.6	0	0
4	938.6	5881.6	0.1	0	938.5	5872.2	0	0
5	938.6	5876.9	0.1	0	938.5	5869.8	0	0
6	938.5	5874.6	0.1	0	938.5	5865.3	0.1	0
7	938.5	5872.2	0.1	0	938.6	5876.3	3.9	0
8	938.5	5872.2	0.1	0	938.5	5874.6	0.7	0
9	938.5	5867.5	0.1	0	938.5	5869.8	0.2	0
10	938.5	5865.1	0.1	0	938.5	5867.5	0.2	0
11	938.5	5858.1	0.1	0	938.5	5865.1	0.2	0
12	938.5	5855.7	0.1	0	938.5	5860.4	0.2	0
13	938.4	5851.0	0.1	0	938.5	5856.1	0.2	0
14	938.4	5848.6	0.1	0	938.5	5855.7	0.2	0
15	938.4	5841.9	0.1	0	938.5	5855.7	0.2	0
16	938.4	5836.8	0.1	0	938.5	5853.7	0.2	0
17	938.4	5834.4	0.1	0	938.5	5853.3	0.2	0
18	938.4	5832.1	0.1	0	938.4	5851.0	0.2	0
19	938.4	5829.7	0.1	0	938.4	5848.6	0.2	0
20	938.3	5827.4	0.1	0	938.4	5846.3	0.2	0
21	938.3	5825.0	0.1	0	938.4	5846.3	0.1	0
22	938.3	5817.7	0.1	0	938.4	5846.7	0.1	0
23	938.3	5815.6	0.1	0	938.4	5846.3	0.1	0
24	938.3	5813.2	0.1	0	938.4	5841.5	0.2	0
25	938.3	5810.8	0.1	0	938.4	5836.8	0.2	0
26	938.3	5808.5	0.1	0	938.4	5834.4	0.1	0
27	938.3	5806.1	0.1	0	938.4	5832.1	0.1	0
28	938.6	5886.4	41.2	0	938.4	5829.7	0.1	0
29	938.6	5884.0	0.1	0	938.3	5825.0	0.1	0
30	938.6	5881.6	0.1	0	938.3	5822.6	0.1	0
31	938.6	5881.6	1.0	0				
TOTAL			45.1	0			13.3	0
Inf. Ac. Ft.		89.5				26.4	0	
Outf. Ac. Ft.		0 + (98.9)				0 + (85.4)		
Max. Mean Daily Inf.		41.2				3.9		
Min. Mean Daily Inf.		0.1				0		
Storage Change		-7.5				-59.0		

Day	DECEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JANUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	938.7	5822.6	0.1	0	939.6	6128.3	0.3	0
2	938.3	5820.3	0.1	0	939.6	6128.3	2.5	0
3	938.3	5820.3	0.1	0	939.6	6123.5	0.3	0
4	939.6	6123.5	153.2	0	939.6	6123.5	0.3	0
5	939.6	6128.3	2.9	0	939.6	6121.1	0.3	0
6	939.6	6128.3	0.4	0	939.6	6121.1	0.3	0
7	939.6	6125.9	0	0	939.6	6118.6	0.3	0
8	939.6	6123.5	0	0	939.6	6118.6	0.3	0
9	939.6	6123.5	0	0	939.6	6113.8	0.3	0
10	939.6	6123.5	0	0	939.5	6113.8	0.3	0
11	939.6	6118.6	0	0	939.5	6113.8	0.3	0
12	939.6	6118.6	0	0	939.5	6113.8	0.3	0
13	939.6	6116.2	0	0	939.5	6113.8	0.3	0
14	939.5	6113.8	0	0	939.5	6111.4	0.3	0
15	939.5	6113.8	0	0	939.5	6111.4	0.3	0
16	939.5	6111.4	0	0	939.5	6106.5	0.3	0
17	939.5	6109.0	0	0	939.5	6104.1	0.3	0
18	939.5	6109.0	0	0	939.5	6104.1	0.3	0
19	939.5	6104.1	0	0	939.5	6101.7	0.3	0
20	939.5	6104.1	0	0	939.5	6101.7	0.3	0
21	939.5	6101.7	0	0	939.5	6101.7	0.3	0
22	939.5	6099.3	0	0	939.5	6101.7	0.3	0
23	939.5	6094.5	0	0	939.5	6094.5	0.3	0
24	939.5	6092.1	0	0	939.5	6094.5	0.3	0
25	939.4	6089.6	0	0	939.5	6092.1	0.3	0
26	939.4	6087.2	0	0	939.5	6092.1	0.3	0
27	939.4	6084.8	0	0	939.4	6089.6	0.3	0
28	939.6	6121.1	18.8	0	939.4	6089.6	0.3	0
29	939.6	6133.2	6.1	0	939.4	6089.6	0.3	0
30	939.6	6135.6	0.4	0	939.4	6089.6	0.3	0
31	939.6	6130.7	0.4	0	939.5	6092.1	1.5	0
TOTAL			182.2	0			10.5	0
Inf. Ac. Ft.		361.4				20.8		
Outf. Ac. Ft.		0 + (53.3)				0 + (52.5)		
Max. Mean Daily Inf.		153.2				1.5		
Min. Mean Daily Inf.		0				0.3		
Storage Change		308.1				-38.7		

Day	FEBRUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MARCH Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	939.5	6092.1	0.5	0	940.6	6379.2	0.2	0
2	939.5	6096.9	3.5	0	940.6	6379.2	0.2	0
3	940.1	6243.0	74.7	0	940.6	6376.7	0.2	0
4	940.5	6287.3	21.6	0	940.6	6376.7	1.5	0
5	940.5	6292.2	2.6	0	940.7	6401.9	27.[illegible]	0
6	940.5	6294.7	1.7	0	941.7	6603.[illegible]	53.[illegible]	0
7	940.5	6294.7	1.6	0	941.6	6620.0	11.5	0
8	940.7	6294.7	[illegible]	0	942.3	6770.[illegible]	86.[illegible]	0
9	940.6	6366.7	36.3	0	942.3	6807.9	5.3	0
10	940.7	6396.6	15.0	0	942.5	6855.[illegible]	14.7	0
11	940.7	6396.6	1.0	0	942.6	6860.4	2.7	0
12	940.7	6394.1	1.8	0	942.6	6860.[illegible]	0.4	0
13	940.7	6399.1	0.6	0	942.6	6873.6	7.3	0
14	940.7	6399.1	0.3	0	942.7	6899.8	14.7	0
15	940.7	6396.6	0.3	0	942.7	6897.5	1.0	0
16	940.7	6396.6	0.3	0	942.7	6899.5	0.7	0
17	940.7	6394.1	0.3	0	942.7	6894.8	1.0	0
18	940.7	6391.6	0.3	0	942.7	6899.8	1.4	0
19	940.7	6391.6	0.3	0	942.7	6899.8	1.5	0
20	940.7	6389.1	0.3	0	942.6	6897.2	0.6	0
21	940.7	6386.6	0.3	0	942.6	6897.2	1.1	0
22	940.7	6396.6	0.3	0	942.8	6947.1	25.9	0
23	940.6	6384.1	0.3	0	942.8	6947.1	0.6	0
24	940.6	6381.6	0.3	0	942.8	6947.1	1.7	0
25	940.6	6381.6	0.2	0	942.9	6968.1	12.[illegible]	0
26	940.6	6381.6	0.2	0	942.9	6965.4	0.6	0
27	940.6	6381.6	0.2	0	942.9	6962.8	0.6	0
28	940.6	6379.2	0.2	0	942.9	6957.6	0.6	0
29					942.9	6954.9	0.6	0
30					942.9	6952.3	0.6	0
31					942.9	6952.3	[illegible]	0
TOTAL			164.4	0			320.1	0
Inf. Ac. Ft.		326.1				634.9		
Outf. Ac. Ft.		0 + (39.0)				0 + (61.8)		
Max. Mean Daily Inf.		74.7				56.[illegible]		
Min. Mean Daily Inf.		0.2				0.2		
Storage Change		287.1				573.1		

Day	APRIL Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MAY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	942.9	6952.7	0.5	0	940.0	6235.1	0.6	0
2	942.9	6949.7	2.3	0	940.0	6235.1	0.6	0
3	942.8	6947.1	0.6	0	940.0	6227.6	0.6	0
4	942.8	6944.1	0.3	0	940.0	6232.6	0.6	0
5	942.9	6970.7	13.4	0	940.0	6227.6	0.6	0
6	942.9	6976.0	2.9	0	940.0	6222.7	0.6	0
7	943.0	6981.2	3.4	0	940.0	6222.7	0.6	0
8	943.1	7110.6	16.3	0	940.0	6217.7	0.6	0
9	943.2	7032.2	11.0	0	940.0	6217.7	0.6	0
10	943.1	7034.[illegible]	2.2	0	939.9	6210.6	0.6	0
11	942.6	6944.4	0.5	46.0	939.9	6203.2	0.6	0
12	942.1	6742.3	0.2	74.0	939.9	6205.7	0.6	0
13	941.3	6547.7	0.2	92.0	939.9	6203.2	0.6	0
14	940.5	6351.8	0.2	83.0	939.9	6200.9	0.6	0
15	940.1	6237.[illegible]	0.2	56.0	939.9	6196.5	0.6	0
16	940.1	6237.7	0.5	0.2	939.9	6196.1	0.6	0
17	940.1	6240.0	2.4	0	939.9	6193.6	0.6	0
18	940.1	6240.0	1.3	0	939.9	6191.2	0.6	0
19	940.1	6237.6	0.7	0	939.9	6191.2	1.6	0
20	940.1	6237.6	0.7	0	939.9	6196.1	3.5	0
21	940.1	6237.6	0.7	0	939.9	6193.6	0.7	0
22	940.0	6235.1	0.7	0	939.9	6191.2	0.7	0
23	940.0	6235.1	0.7	0	939.9	6186.8	0.7	0
24	940.0	6235.1	0.7	0	939.9	6186.8	0.7	0
25	940.1	6245.0	5.5	0	939.8	6186.4	0.7	0
26	940.1	6245.0	1.3	0	939.8	6184.0	0.7	0
27	940.1	6240.0	1.3	0	939.8	6181.5	0.7	0
28	940.1	6240.0	1.3	0	939.8	6179.1	0.7	0
29	940.1	6240.0	1.3	0	939.8	6176.7	0.7	0
30	940.1	6240.0	1.3	0	939.8	6174.3	0.7	0
31					939.8	6169.4	0.7	0
TOTAL			74.7	377.0			23.6	0
Inf. Ac. Ft.		148.2				46.8		
Outf. Ac. Ft.		747.8 + (112.7)				0 + (117.4)		
Max. Mean Daily Inf.		16.3				3.5		
Min. Mean Daily Inf.		0.2				0.6		
Storage Change		-712.3				-70.6		

Day	JUNE Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JULY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	939.8	6164.5	0.5	0	939.3	6060.0	0.9	0
2	939.7	6157.4	0.5	0	939.3	6060.6	0.9	0
3	939.7	6152.5	0.5	0	939.3	6055.7	0.9	0
4	939.7	6147.7	0.5	0	939.3	6050.9	0.9	0
5	939.7	6142.9	0.5	0	939.3	6045.[illegible]	0.9	0
6	939.6	6135.6	0.5	0	939.3	6043.6	0.9	0
7	939.6	6130.7	0.5	0	939.2	6036.4	0.9	0
8	939.6	6128.3	0.5	0	939.2	6031.6	0.9	0
9	939.6	6125.9	0.5	0	939.2	6026.2	0.9	0
10	939.6	6123.5	0.5	0	939.2	6024.[illegible]	0.9	0
11	939.6	6116.6	0.5	0	939.1	6017.1	0.9	0
12	939.6	6118.6	0.5	0	939.2	6021.9	0.9	0
13	939.5	6113.8	0.5	0	939.1	6017.4	0.9	0
14	939.5	6111.4	0.5	0	939.1	6004.9	0.9	0
15	939.5	6109.0	0.4	0	[illegible]	[illegible]	0.9	0
16	939.5	6106.5	0.4	0	[illegible]	[illegible]	0.9	0
17	939.5	6106.5	0.4	0	[illegible]	[illegible]	0.9	0
18	939.5	6099.3	0.4	0	[illegible]	[illegible]	0.8	0
19	939.5	6096.9	0.4	0	[illegible]	[illegible]	0.8	0
20	939.5	6094.5	0.4	0	[illegible]	[illegible]	0.8	0
21	939.5	6094.5	0.4	0	[illegible]	[illegible]	[illegible]	0
22	939.5	6094.[illegible]	0.4	0	[illegible]	[illegible]	[illegible]	0
23	939.5	6094.5	0.4	0	[illegible]	[illegible]	0.8	0
24	939.4	6089.6	0.4	0	[illegible]	[illegible]	[illegible]	0
25	939.4	6084.5	0.4	0	[illegible]	[illegible]	[illegible]	0
26	939.4	6077.5	0.4	0	[illegible]	[illegible]	[illegible]	0
27	939.4	6077.3	0.4	0	[illegible]	[illegible]	[illegible]	0
28	939.3	6072.7	0.4	0	[illegible]	[illegible]	0.8	0
29	939.3	6070.7	0.4	0	[illegible]	[illegible]	[illegible]	0
30	939.3	6067.4	0.4	0	[illegible]	[illegible]	[illegible]	0
31					[illegible]	[illegible]	[illegible]	0
TOTAL			[illegible]				[illegible]	
Inf. Ac. Ft.		[illegible]				[illegible]		
Outf. Ac. Ft.		0 + ([illegible])				0 + ([illegible])		
Max. Mean Daily Inf.		0.5				0.9		
Min. Mean Daily Inf.		0.4				[illegible]		
Storage Change		[illegible]				[illegible]		

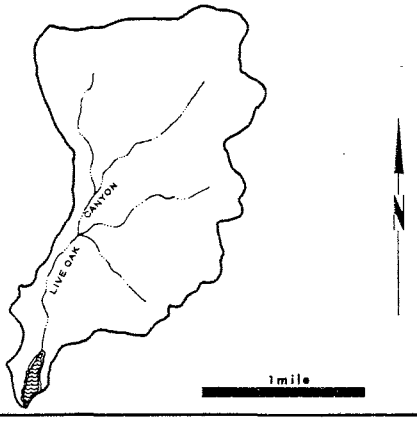
Day	AUGUST Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	SEPTEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	938.8	5921.6	0.5	0	938.0	5782.5	0.8	0
2	938.7	5917.1	0.8	0	938.1	5775.4	0.8	0
3	938.7	5912.3	0.8	0	938.1	5770.7	0.8	0
4	938.7	5910.0	0.8	0	938.1	5768.4	0.8	0
5	938.7	5910.5	0.5	0	938.1	5761.3	0.8	0
6	938.6	5898.2	0.8	0	938.1	5758.9	0.8	0
7	938.6	5891.1	0.3	0	938.0	5754.2	0.8	0
8	938.6	5883.7	0.5	0	938.0	5751.8	0.8	0
9	938.6	5884.0	0.8	0	938.0	5751.8	0.8	0
10	938.6	5881.6	0.2	0	938.0	5749.5	0.8	0
11	938.6	5876.3	0.2	0	938.0	5747.2	0.8	0
12	938.5	5872.2	0.4	0	938.0	5742.5	0.8	0
13	938.5	5867.5	[illegible]	0	938.0	5740.2	0.8	0
14	938.5	5860.4	0.9	0	938.0	5737.9	0.8	0
15	938.4	5862.1	0.9	0	938.0	5735.5	0.8	0
16	938.5	5855.3	0.9	0	937.9	5731.0	0.8	0
17	938.4	5853.6	0.8	0	937.9	5726.4	0.8	0
18	938.4	5846.3	0.6	0	937.9	5721.8	0.7	0
19	938.4	5839.2	0.4	0	937.9	5717.2	0.7	0
20	938.4	5834.4	[illegible]	0	937.9	5714.[illegible]	0.7	0
21	938.4	5832.1	[illegible]	0	937.9	5712.6	0.7	0
22	938.3	5827.4	[illegible]	0	937.8	5708.0	0.7	0
23	938.3	5822.6	0.9	0	937.8	5703.5	0.7	0
24	938.3	5817.5	[illegible]	0	937.8	5694.1	0.7	0
25	938.3	5810.3	[illegible]	0	937.8	5692.[illegible]	0.7	0
26	938.3	5808.5	[illegible]	0	937.7	5685.[illegible]	0.7	0
27	938.2	5801.4	[illegible]	0	937.7	5680.4	0.7	0
28	938.2	5796.[illegible]	[illegible]	0	937.7	5678.1	0.7	0
29	938.2	5794.5	[illegible]	0	937.7	5675.8	0.7	0
30	938.2	5791.6	[illegible]	0	937.6	5671.2	0.7	0
31	938.1	5784.4	[illegible]	0				
TOTAL			[illegible]	0			22.7	0
Inf. Ac. Ft.		[illegible]				45.0		
Outf. Ac. Ft.		0 + (132.8)				0 + (158.7)		
Max. Mean Daily Inf.		[illegible]				0.8		
Min. Mean Daily Inf.		[illegible]				0.7		
Storage Change		-139.2				-113.7		

Max. W.S. Elev. 943.14 feet on 4-10-74 Storage [illegible] Acre-Feet
Min. W.S. Elev. 937.60 feet on 9-30-74 Storage 5671.2 Acre-Feet
Max. Peak Inf. 760 CFS from [illegible] on [illegible] to [illegible] on [illegible]
Max. Peak Outf. [illegible] CFS from [illegible] on [illegible] to [illegible] on [illegible]

REMARKS: ( ) Indicates average for period.
( ) Indicates evaporation and other losses.

LIVE OAK DAM AND RESERVOIR

drainage area



PURPOSE -
Flood Control and Conservation

DATE CONSTRUCTED -
Started August 1921 - Completed November 1922

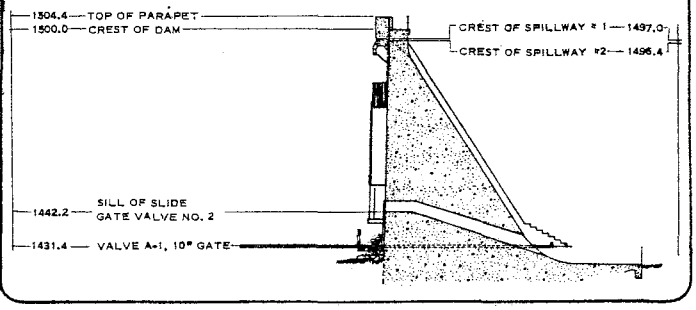
LOCATION - 2.5 miles northeast of La Verne

DRAINAGE AREA - 2.3 square miles

CAPACITY - 240 acre-feet

SPILLWAY ELEVATION - 1,496.0 feet

cross-section



LIVE OAK DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	ANNUAL AF	INFLOW MAX-DAY CFS	MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO	DAY	CFS
1932-33	0	0	0	0			0
1933-34	N.D.	N.D.	N.D.	142			N.D.
1934-35	27	2.3	0	27	4	8	16
1935-36	N.D.	4.1	0	0			N.D.
1936-37	494	35	0	413	2	6	139
1937-38	800	147	0	785	3	2	339
1938-39	21	1.0	0	3.2	2	3	1.4
1939-40	16	1.2	0	1.4	1	8	11
1940-41	719	39	0	718	3	4	90
1941-42	0	+	+	0			+
1942-43	827	78	0	827	1	22	170
1943-44	218	33	0	218	2	22	74
1944-45	177	9.4	0	177	2	2	67
1945-46	105	22	0	89	12	23	127
1946-47	64	7.5	0	45	11	20	25
1947-48	0	0	0	0			0
1948-49	0	0	0	0			0
1949-50	4.7	0.3	0	3.6	12	19	2.6
1950-51	0	0	0	0			0
1951-52	362	34	0	343	1	16	148
1952-53	2.0	+	0	3.2	12	1	0.8
1953-54	78	13	0	64	1	25	82
1954-55	0.3	+	0	0.3			N.D.
1955-56	77	25	0	72	1	26	128
1956-57	1.9	0.1	0	0.1	1	13	1.1
1957-58	699	38	0	699	4	3	67
1958-59	5.6	0.8	0	5.4	1	6	9.2
1959-60	0	0	0	0			0
1960-61	4.8	0.7	0	0	11	6	22
1961-62	186	29	0	111	11	20	366
1962-63	13	5.8	0	5.4	2	9	23
1963-64	4.8	0.8	0	0	3	22	6.2
1964-65	20	6.8	0	15	4	9	58
1965-66	243	23	0	241	11	22	116
1966-67	699	112	+	472	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

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

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

Live Oak Dam

1974-75

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

DRAINAGE AREA 2.3 SQ MI
CAPACITY OF RESERVOIR 167.5 AC FT
AT SPILLWAY ELEVATION 1496.4 FT
as of October 19 70

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	1442.3	0.5	0	0	1442.3	0.5	0	0	1442.3	0.6	0	0	1450.2	4.1	0	0	1
2	1442.3	0.6	0	0	1442.3	0.6	0	0	1442.3	0.6	0	0	1450.3	4.2	0	0	2
3	1442.3	0.6	0	0	1442.3	0.5	0	0	1442.3	0.6	0	0	1450.3	4.3	0	0	3
4	1442.3	0.6	0	0	1442.3	0.6	0	0	1447.8	2.5	1.0	0	1450.4	4.3	0	0	4
5	1442.3	0.5	0	0	1442.3	0.6	0	0	1447.8	2.5	0	0	1450.4	4.4	0	0	5
6	1442.3	0.6	0	0	1442.3	0.6	0	0	1447.9	2.6	0	0	1450.5	4.4	0	0	6
7	1442.3	0.6	0	0	1442.3	0.6	0	0	1448.1	2.7	0	0	1450.6	4.5	0	0	7
8	1442.3	0.6	0	0	1442.3	0.6	0	0	1448.1	2.7	0	0	1450.7	4.6	0	0	8
9	1442.3	0.6	0	0	1442.3	0.6	0	0	1448.3	2.8	0	0	1450.8	4.7	0	0	9
10	1442.3	0.6	0	0	1442.3	0.6	0	0	1448.4	2.9	0	0	1450.8	4.7	0	0	10
11	1442.3	0.6	0	0	1442.3	0.6	0	0	1448.5	2.9	0	0	1450.9	4.8	0	0	11
12	1442.3	0.6	0	0	1442.3	0.5	0	0	1448.5	3.0	0	0	1451.0	4.8	0	0	12
13	1442.3	0.6	0	0	1442.3	0.6	0	0	1448.6	3.0	0	0	1451.0	4.9	0	0	13
14	1442.3	0.6	0	0	1442.3	0.6	0	0	1448.7	3.1	0	0	1451.1	4.9	0	0	14
15	1442.3	0.6	0	0	1442.3	0.6	0	0	1448.8	3.1	0	0	1451.1	5.0	0	0	15
16	1442.3	0.6	0	0	1442.3	0.6	0	0	1448.9	3.2	0	0	1451.2	5.1	0	0	16
17	1442.3	0.6	0	0	1442.3	0.6	0	0	1448.9	3.2	0	0	1451.3	5.1	0	0	17
18	1442.3	0.6	0	0	1442.3	0.6	0	0	1449.0	3.3	0	0	1451.4	5.2	0	0	18
19	1442.3	0.6	0	0	1442.3	0.5	0	0	1449.1	3.3	0	0	1451.4	5.3	0	0	19
20	1442.3	0.5	0	0	1442.3	0.6	0	0	1449.2	3.4	0	0	1451.5	5.3	0	0	20
21	1442.3	0.6	0	0	1442.3	0.6	0	0	1449.2	3.4	0	0	1451.6	5.4	0	0	21
22	1442.3	0.6	0	0	1442.3	0.6	0	0	1449.3	3.5	0	0	1451.7	5.5	0	0	22
23	1442.3	0.6	0	0	1442.3	0.5	0	0	1449.4	3.5	0	0	1451.7	5.5	0	0	23
24	1442.3	0.6	0	0	1442.3	0.6	0	0	1449.5	3.6	0	0	1451.8	5.6	0	0	24
25	1442.3	0.5	0	0	1442.3	0.6	0	0	1449.5	3.6	0	0	1451.8	5.7	0	0	25
26	1442.3	0.6	0	0	1442.3	0.6	0	0	1449.6	3.7	0	0	1451.9	5.8	0	0	26
27	1442.3	0.5	0	0	1442.3	0.6	0	0	1449.7	3.8	0	0	1452.0	5.8	0	0	27
28	1442.3	0.6	0	0	1442.3	0.6	0	0	1449.9	3.9	0.1	0	1452.1	5.9	0	0	28
29	1442.3	0.6	0	0	1442.3	0.6	0	0	1450.0	4.0	0	0	1452.2	6.0	0	0	29
30	1442.3	0.6	0	0	1442.3	0.5	0	0	1450.1	4.0	0	0	1452.3	6.1	0.1	0	30
31	1442.3	0.6	0	0					1450.1	4.1	0	0	1452.3	6.2	0	0	31
TOTAL			0	0			0	0			1.8	0			1.0	0	
Inf. Ac. Ft.		0				0				3.5				2.1			
Outf. Ac. Ft.		0				0				0				0			
Max. Mean Daily Inf.		0				0				1.0				0.1			
Min. Mean Daily Inf.		0				0				0				0			
Storage Change		0				0				3.5				2.1			

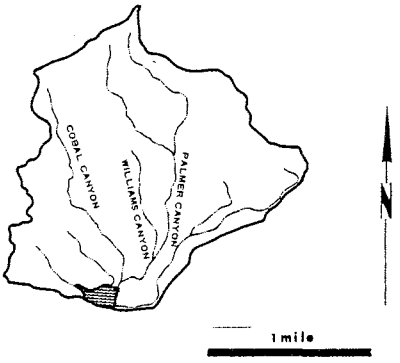
Day	FEBRUARY				MARCH				APRIL				MAY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	1452.3	6.2	0	0	1459.3	18.1	0.1	0	1469.1	49.3	0.2	0.1	1444.8	1.2	0.2	0.2	1
2	1452.4	6.3	0	0	1459.4	18.2	0.1	0	1469.1	49.5	0.2	0.1	1444.8	1.2	0.3	0.3	2
3	1453.7	7.9	0.8	0	1459.4	18.3	0	0	1469.2	49.8	0.1	0	1444.8	1.2	0.3	0.3	3
4	1454.3	8.6	0.4	0	1459.5	18.5	0.1	0	1469.2	50.1	0.2	0.1	1444.8	1.3	0.3	0.3	4
5	1454.6	9.1	0.2	0	1459.8	19.0	0.3	0	1469.5	51.1	0.6	0.1	1444.8	1.3	0.2	0.2	5
6	1454.7	9.3	0.1	0	1461.2	22.7	1.8	0	1469.7	51.9	0.5	0.1	1444.8	1.2	0.1	0.1	6
7	1454.9	9.5	0.1	0	1461.4	23.3	0.3	0	1467.9	44.9	0.2	3.0	1444.8	1.2	0.1	0.1	7
8	1455.0	9.6	0.1	0	1462.8	27.7	2.0	0	1464.7	33.2	0.2	5.1	1444.8	1.2	0.2	0.2	8
9	1455.6	10.7	0.5	0	1463.6	29.9	1.2	0	1461.0	22.2	0.2	4.6	1444.8	1.2	0.1	0.1	9
10	1456.2	11.7	0.5	0	1464.6	32.7	1.6	0	1456.3	11.3	0.2	4.4	1444.8	1.2	0.1	0.1	10
11	1456.5	12.3	0.3	0	1465.1	34.5	0.9	0	1448.1	2.7	0.2	3.9	1444.8	1.2	0.1	0.1	11
12	1456.7	12.6	0.2	0	1465.3	35.0	0.3	0	1444.9	1.3	0.2	0.9	1444.8	1.2	0.2	0.2	12
13	1456.9	12.9	0.2	0	1466.0	37.6	1.3	0	1444.9	1.3	0.2	0.2	1444.8	1.2	0.2	0.2	13
14	1457.1	13.3	0.2	0	1466.1	38.1	0.3	0	1444.9	1.3	0.2	0.2	1444.8	1.2	0.2	0.2	14
15	1457.3	13.7	0.2	0	1466.4	39.1	0.5	0	1444.9	1.3	0.3	0.3	1444.8	1.2	0.1	0.1	15
16	1457.4	14.0	0.2	0	1466.5	40.4	0.7	0	1444.9	1.3	0.6	0.6	1444.8	1.3	0	0	16
17	1457.5	14.2	0.1	0	1466.9	40.9	0.2	0	1444.9	1.3	0.3	0.3	1444.8	1.2	0	0	17
18	1457.7	14.4	0.1	0	1467.1	41.5	0.3	0	1444.8	1.3	0.3	0.3	1444.9	1.2	0	0	18
19	1457.8	14.7	0.1	0	1467.2	42.0	0.3	0	1444.8	1.3	0.2	0.2	1444.9	1.3	0	0	19
20	1458.0	15.1	0.2	0	1467.3	42.4	0.2	0	1444.8	1.3	0.2	0.2	1444.9	1.3	0.1	0.1	20
21	1458.6	16.4	0.6	0	1467.4	42.8	0.2	0	1444.8	1.3	0.2	0.2	1444.8	1.3	0	0	21
22	1458.7	16.7	0.2	0	1467.8	44.4	0.8	0	1444.8	1.3	0.3	0.3	1444.8	1.2	0	0	22
23	1458.8	16.9	0.1	0	1468.0	44.9	0.3	0	1444.8	1.3	0.2	0.2	1444.8	1.2	0	0	23
24	1458.9	17.1	0.1	0	1468.1	45.4	0.2	0	1444.8	1.3	0.2	0.2	1444.8	1.2	0	0	24
25	1459.0	17.3	0.1	0	1468.4	46.7	0.6	0	1444.8	1.3	0.2	0.2	1444.8	1.2	0	0	25
26	1459.1	17.5	0.1	0	1468.6	47.3	0.3	0	1444.8	1.2	0.3	0.3	1444.8	1.2	0	0	26
27	1459.2	17.7	0.1	0	1468.7	47.8	0.2	0	1444.8	1.2	0.3	0.3	1444.8	1.2	0.1	0.1	27
28	1459.3	17.9	0.1	0	1468.8	48.1	0.2	0	1444.8	1.2	0.3	0.3	1444.7	1.2	0.1	0.1	28
29					1468.8	48.4	0.2	0	1444.8	1.2	0.3	0.3	1444.7	1.2	0	0	29
30					1468.9	48.7	0.1	0	1444.8	1.2	0.3	0.3	1444.8	1.2	0.1	0.1	30
31					1469.0	49.0	0.2	0					1444.8	1.2	0.1	0.1	31
TOTAL			5.9	0			15.7	0			7.9	27.3			3.2	3.2	
Inf. Ac. Ft.		11.8				31.1				15.7				6.3			
Outf. Ac. Ft.		0				0				54.1 + (9.5)				6.3			
Max. Mean Daily Inf.		0.8				2.0				0.6				0.3			
Min. Mean Daily Inf.		0				0				0.1				0			
Storage Change		11.8				31.1				-47.8				0			

Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	1444.8	1.2	0.1	0.1	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	1
2	1444.8	1.2	0.1	0.1	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	2
3	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	1444.6	1.2	0	0	3
4	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	4
5	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	5
6	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	6
7	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	1444.6	1.2	0	0	7
8	1444.7	1.2	0	0	1444.8	1.2	0	0	1444.6	1.2	0	0	1444.6	1.2	0	0	8
9	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.5	1.2	0	0	9
10	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	1444.5	1.2	0	0	10
11	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	1444.6	1.2	0	0	11
12	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	1444.6	1.2	0	0	12
13	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	1444.6	1.2	0	0	13
14	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	1444.6	1.2	0	0	14
15	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	1444.6	1.2	0	0	15
16	1444.8	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	1444.6	1.2	0	0	16
17	1444.8	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	1444.5	1.2	0	0	17
18	1444.8	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	1444.5	1.2	0	0	18
19	1444.8	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	1444.4	1.1	0	0	19
20	1444.8	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	1444.4	1.1	0	0	20
21	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	1444.4	1.1	0	0	21
22	1444.8	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	1444.3	1.1	0	0	22
23	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	1444.3	1.1	0	0	23
24	1444.8	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	1444.2	1.1	0	0	24
25	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	1444.2	1.1	0	0	25
26	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	1444.1	1.0	0	0	26
27	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	1444.1	1.0	0	0	27
28	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	1444.0	1.0	0	0	28
29	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	1444.0	1.0	0	0	29
30	1444.7	1.2	0	0	1444.7	1.2	0	0	1444.6	1.2	0	0	1444.0	1.0	0	0	30
31					1444.7	1.2	0	0	1444.6	1.2	0	0					31
TOTAL			0.1	0.2			0	0			0	0			0	0	
Inf. Ac. Ft.		0.[illegible]				0				0				0			
Outf. Ac. Ft.		0.[illegible]				0				0				0			
Max. Mean Daily Inf.		0.1				0				0				0			
Min. Mean Daily Inf.		0				0				0				0			
Storage Change		0				0				0				-0.2			

Max. W.S. Elev. 1469.75 feet on 4-6-75 Storage 51.9 Acre-Feet
Min. W.S. Elev. 1442.30 feet on various days Storage 0.6 Acre-Feet
Max. Peak Inf. 14.5 CFS from [illegible] on 3-6-75 to [illegible] on 3-6-75
Max. Peak Outf. 5.1 CFS from [illegible] on 4-7-75 to [illegible] on 4-8-75
REMARKS: ( ) Indicates percolation and siltation losses.

THOMPSON CREEK DAM AND RESERVOIR

drainage area



PURPOSE -
Flood Control and Conservation

DATE CONSTRUCTED -
Started September 1925 - Completed March 1928

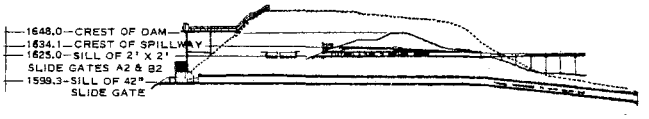
LOCATION - 3.0 miles north of claremont

DRAINAGE AREA - 3.5 square miles

CAPACITY - 447.5 acre-feet

SPILLWAY ELEVATION – 1,634.1 feet

cross-section



THOMPSON CREEK DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO	DAY	CFS
1931-32	81	12	0	81	2	9	91
1932-33	0	0	0	0			0
1933-34	N.D.	N.D.	N.D.	0			N.D.
1934-35	1.0	N.D.	N.D.	0			N.D.
1935-36	0.5	N.D.	N.D.	0			N.D.
1936-37	274	24	0	0			N.D.
1937-38	1099	259	0	1096	3	2	580
1938-39	21	0.6	0	0	1	30	1.1
1939-40	49	4.5	0	0	1	7	26
1940-41	640	46	0	2.8	3	4	97
1941-42	0.3	+	0	0	12	10	0.5
1942-43	767	121	0	334	1	23	270
1943-44	286	56	0	0	2	22	111
1944-45	149	18	0	0	11	12	132
1945-46	148	25	0	0	12	23	120
1946-47	88	16	0	0	11	20	47
1947-48	0	0	0	0			0
1948-49	0	0	0	0			0
1949-50	6.2	1.6	0	0	12	19	4.5
1950-51	0	0	0	0			0
1951-52	314	30	0	34	1	16	70
1952-53	12	1.3	0	0	12	1	8.2
1953-54	194	19	0	0	1	25	172
1954-55	4.4	0.6	0	0	1	18	1.4
1955-56	58	25	0	0	1	26	117
1956-57	4.4	1.5	0	0	1	13	5.8
1957-58	389	34	0	219	4	3	67
1958-59	5.6	1.4	0	0	2	16	4.7
1959-60	2.0	0.3	0	0	4	28	5.4
1960-61	5.2	0.8	0	0	11	12	3.9
1961-62	101	9.3	0	0	11	20	190
1962-63	88	26	0	17	2	9	145
1963-64	23	4.2	0	0	3	22	20
1964-65	26	9.9	0	0	4	9	55
1965-66	258	34	0	0	11	23	140
1966-67	842	200	0	305	12	6	408
1967-68	167	6.8	0	0	11	19	18
1968-69	2556	279	0	2061	1	25	574
1969-70	54	4.8	0	1.6	3	1	13
1970-71	32	5.5	0	0	12	21	12
1971-72	6	1.3	0	0	12	27	3
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

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

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

THOMPSON CREEK DAM

1971-75

DRAINAGE AREA 3.51 sq mi
CAPACITY OF RESERVOIR 572.8 Ac-Ft
SPILLWAY ELEVATION 1634.1 ft
as of December 31, 72

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1			0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0			0	0			0	0			0	0	30
31			0	0			-	-			0	0			0	0	31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0		
Outf. Ac. Ft.			0				0				0				0		
Max. Mean Daily Inf.			0				0				0				0		
Min. Mean Daily Inf.			0				0				0				0		
Storage Change			0				0				0				0		

No Storage

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			0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			-	-			0	0			0	0			0	0	29
30			-	-			0	0			0	0			0	0	30
31			-	-			0	0			-	-			0	0	31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0		
Outf. Ac. Ft.			0				0				0				0		
Max. Mean Daily Inf.			0				0				0				0		
Min. Mean Daily Inf.			0				0				0				0		
Storage Change			0				0				0				0		

No Storage

Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1			0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0			0	0			0	0			0	0	30
31			-	-			0	0			0	0			-	-	31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0		
Outf. Ac. Ft.			0				0				0				0		
Max. Mean Daily Inf.			0				0				0				0		
Min. Mean Daily Inf.			0				0				0				0		
Storage Change			0				0				0				0		

Max. W.S. Elev. 1595.0 feet on various days Storage 0 Acre-Feet

Min. W.S. Elev. 1595.0 feet on various days Storage 0 Acre-Feet

Max. Peak Inf. 0 CFS various days

Max. Peak Outf. 0 CFS various days

REMARKS:

EROSION CONTROL

FOREWORD

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.

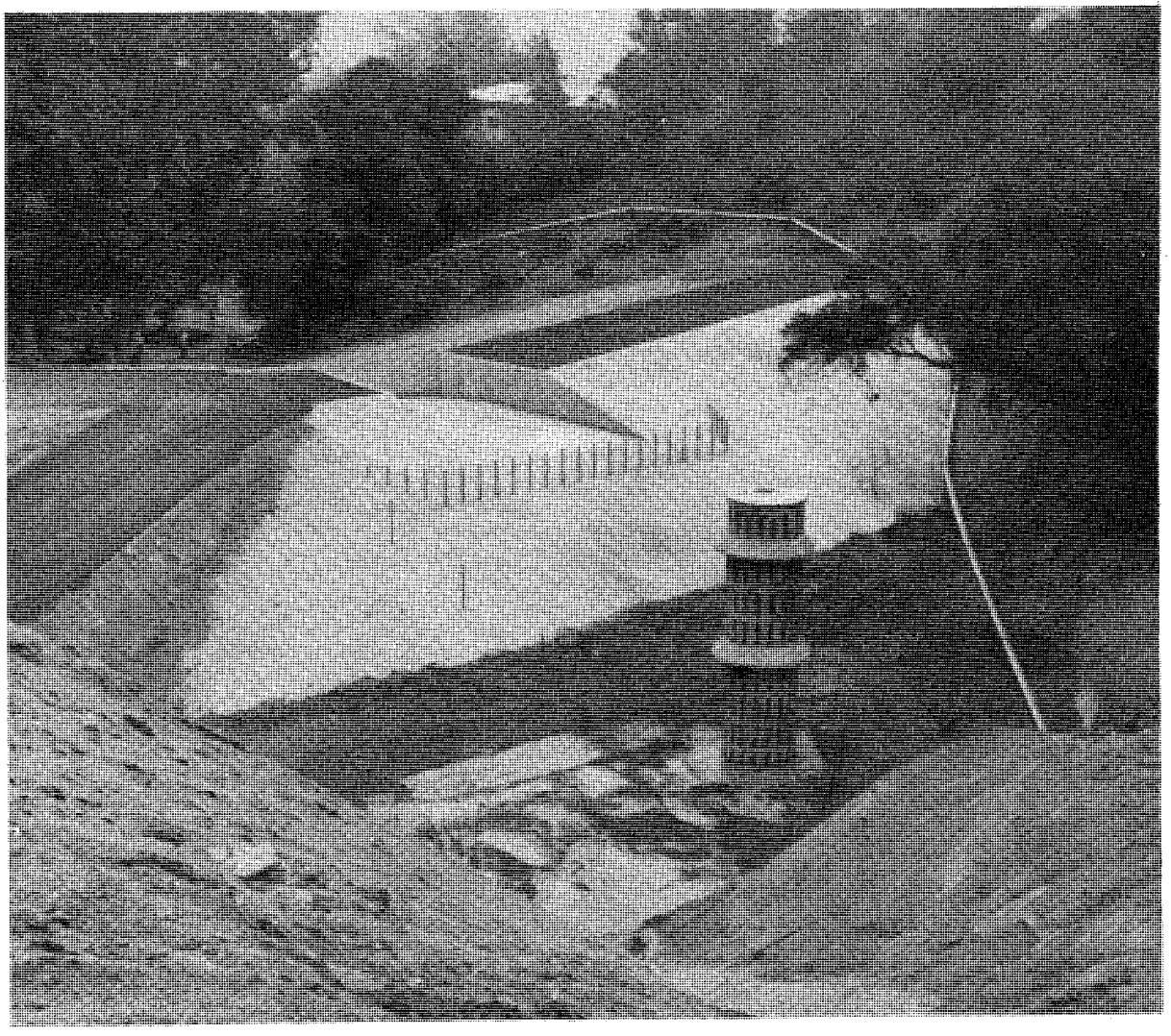
PURPOSE

The purpose of a debris basin is to entrap the debris flows emanating from the canyons and let the relatively desilted water pass into flood control channels for transportation to major watercourses. In the 1974-75 water year, 90 debris basins were in operation, 89 of which are operated and maintained by the District. Haines Debris Basin is operated and maintained bysthe Corps of Engineers. This figure represents an increase of 3 debris basins over the previous year. Afton, Chamberlain, and Fieldbrook Debris Basins were added to the list of District facilities during the year. The maximum capacity of all 90 debris basins is 8,543,000 cubic yards of which 7,695,000 cubic yards were available at the end of the water year.

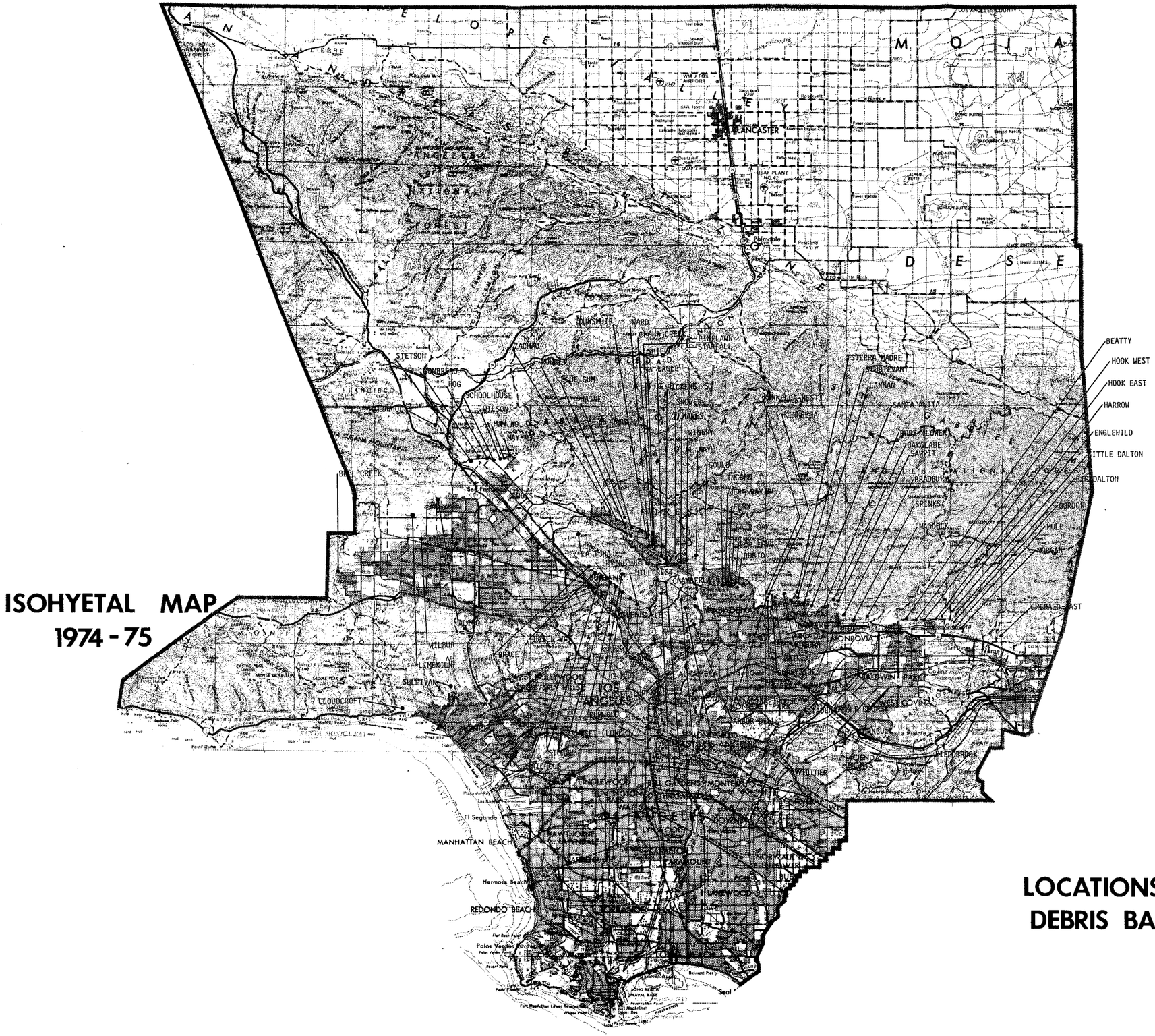
STABILIZATION STRUCTURES

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 watersheds. No structures have been constructed since the 1973-74 water year.



Afton Debris Basin



ISOHYETAL MAP 1974 - 75

LOCATIONS OF DEBRIS BASINS

LOCATIONS OF MAJOR BURNED AREAS

DEBRIS PRODUCTION HISTORY

INCLUDING 1974-75 SEASON

	DEBRIS BASINS	FIRST DEBRIS SEASON	NUMBER OF SEASONS	TOTAL DEBRIS DEPOSITED CU. YDS.	UNCONTROLLED DRAINAGE AREA ABOVE BASIN SQ. MI.	MAXIMUM SEASONAL DEBRIS PRODUCTION CU. YDS.	CU. YDS. PER SQ. MI.	SEASON
1.	AFTON	1974-75	1	800	0.06	800	13,800	1974-75
2.	ALISO	1970-71	5	38,800	2.77	19,100	6,900	1972-73
3.	ALTADENA GOLF COURSE	1945-46	30	29,000	0.20	3,800	18,900	1958-59
4.	ARBOR DELL	1971-72	4	NEG	0.11	NEG	NEG	1971-72
5.	AUBURN	1954-55	21	49,000	0.19	20,100	105,900	1961-62
6.	BAILEY	1945-46	30	105,600	0.60	35,800	59,600	1953-54
7.	BEATTY	1970-71	5	1,800	0.27	1,800	6,800	1972-73
8.	BELL CREEK (6)	1967-68	8	39,000	7.00	24,200	3,500	1968-69
9.	BIG DALTON	1959-60	16	639,000	2.62	296,700	113,200	1968-69
10.	BLANCHARD	1968-69	7	16,500	0.50*	15,900	31,800	1968-69
11.	BLUE GUM	1968-69	7	4,400	0.19	3,300	17,400	1968-69
12.	BRACE	1971-72	4	3,200	0.29	2,200	7,500	1972-73
13.	BRADBURY	1954-55	21	175,300	0.68	70,200	103,300	1968-69
14.	BRAND	1935-36	40	154,100	1.03	39,400	38,200	1968-69
15.	CARRIAGE HOUSE	1970-71	5	200	0.03	200	5,900	1972-73
16.	CARTER	1954-55	21	19,600	0.12	11,200	93,000	1961-62
17.	CHAMBERLAIN	1974-75	1	300	0.04	300	7,900	1974-75
18.	CHILDS	1963-64	12	24,200	0.31	8,200	26,600	1964-65
19.	CLOUD CREEK	1972-73	3	NEG	0.02*	NEG	NEG	1972-73
20.	CLOUD CROFT	1973-74	2	7,400	0.21	6,100	28,900	1973-74
21.	COOKS	1951-52	24	55,700	0.58*	20,700	35,800	1951-52
22.	DEER	1954-55	21	119,300	0.59	44,200	74,900	1968-69
23.	DUNSMUIR	1935-36	40	193,400	0.84*	78,200	93,100 E	1937-38
24.	EAGLE	1936-37	39	140,300	0.31* (9)	41,700	68,300	1937-38
25.	ELMWOOD	1964-65	11	18,300	0.31	12,200	39,200	1964-65
26.	EMERALD EAST	1964-65	11	4,900	0.32	1,600	10,000	1968-69
27.	ENGLEWILD	1961-62	14	71,400 (2)	0.40	60,200	150,500 (2)	1968-69
28.	FAIROAKS	1935-36	40	105,300	0.21	15,700	74,800	1935-36
29.	FERN	1935-36	40	147,500	0.30	23,900	79,600	1968-69
30.	FIELDBROOK	1974-75	1	NEG	0.35	NEG	NEG	1974-75
31.	GOLF CLUB DRIVE	1970-71	5	3,900	0.32	2,700	8,600	1972-73
32.	GORDON	1973-74	2	NEG	0.18	NEG	NEG	1973-74
33.	GOULD	1947-48	28	99,700	0.47	18,000	38,300	1965-66
34.	HAINES	1935-36	40	172,900	1.53	51,500	33,700 E	1937-38
35.	HALLS	1935-36	40	443,000	1.06*	102,100	96,300	1937-38
36.	HARROW	1958-59	17	70,200	0.43	63,400	147,400 (2)	1968-69
37.	HAVEN WAY	1971-72	4	NEG	0.22	NEG	NEG	1971-72
38.	HAY	1936-37	39	55,300	0.20	18,200	63,000 E	1937-38
39.	HILLCREST	1962-63	13	34,900	0.35	11,700	33,300	1964-65
40.	HOG	1969-70	6	NEG	0.30	NEG	NEG	1969-70
41.	HOOK EAST	1968-69	7	41,200 E (2)	0.18	40,200	223,100 E (2)	1968-69
42.	HOOK WEST	1970-71	5	NEG	0.17	NEG	NEG	1970-71
43.	IRVING DRIVE	1974-75	1	(1)	0.03	NEG	NEG	1974-75
44.	KINNELOA EAST	1964-65	11	38,200	0.20	17,600	88,100 (2)	1968-69
45.	KINNELOA WEST	1966-67	9	40,400	0.16	22,200	138,500 (2)	1968-69
46.	LANNAN	1954-55	21	87,100	0.25	18,200	73,000	1969-70
47.	LAS FLORES	1935-36	40	160,800	0.45	36,000	80,000 E	1937-38
48.	LA TUNA	1955-56	20	181,000	5.34	71,300	13,400	1968-69
49.	LIMEKILN	1963-64	12	162,100	3.69	42,300	11,500	1965-66
50.	LINCOLN	1935-36	40	114,500	0.50	28,400	56,800	1968-69
51.	LITTLE DALTON	1959-60	16	741,100	3.31	337,800	102,100	1968-69
52.	MADDOCK	1954-55	21	31,300	0.25	11,000	43,800	1968-69
53.	MAY NO. 1	1953-54	22	161,200	0.70	26,300	91,900	1966-67
54.	MAY NO. 2	1953-54	22	20,200	0.09	6,200	68,600	1966-67
55.	MORGAN	1964-65	11	13,600	0.60	12,900	21,600	1968-69
56.	MULL	1973-74	2	NEG	0.15	NEG	NEG	1973-74
57.	NICHOLS	1937-38	38	100,200	0.94	24,100	25,600	1937-38
58.	OAKGLADE	1974-75	1	NEG	0.06	NEG	NEG	1974-75
59.	PICKENS	1935-36	40	474,700	1.84*	122,200	66,400	1937-38
60.	PINELAWN	1973-74	2	200	0.02*	200	7,700	1974-75
61.	ROWLEY	1953-54	22	28,800	0.58	11,300	19,600	1968-69
62.	RUBIO	1943-44	32	130,000	1.26	55,000	43,700	1968-69
63.	RUBY LOWER	1955-56	20	16,800	0.28	8,300	29,700	1968-69
64.	SANTA ANITA	1959-60	16	561,700 (2,3)	1.70	132,000	77,600	1961-62
65.	SAWPIT	1954-55	21	548,100 (2,4)	2.84	233,800	82,300 (2)	1968-69
66.	SCHOLL	1945-46	30	14,500	0.66	3,500	5,200	1968-69
67.	SCHOOLHOUSE	1962-63	13	32,000	0.28	21,600	77,200	1962-63
68.	SHIELDS	1937-38	38	102,900	0.23* (9)	35,100	130,200	1937-38
69.	SIERRA MADRE	1927-28	48	307,300	2.39	95,200	39,800 (2,5)	1968-69
70.	SIERRA MADRE VILLA	1957-58	18	388,400	1.46 (7)	118,600	81,200	1961-62
71.	SNOVER (6)	1936-37	36	73,500	0.23*	21,100	91,700	1938-39
72.	SOMBRERO	1969-70	6	NEG	1.06	NEG	NEG	1969-70
73.	SPINKS	1958-59	17	41,100	0.44	16,400	37,200	1968-69
74.	STARFALL	1973-74	2	1,800	0.13	1,800	13,600	1974-75
75.	STETSON	1969-70	6	1,200	0.29	1,200	4,100	1969-70
76.	STOUGH	1940-41	35	131,800	1.65	44,100	26,700	1964-65
77.	STURTEVANT	1967-68	8	400	0.03	300	11,000	1968-69
78.	SULLIVAN	1970-71	5	13,300	2.38	11,600	4,900	1972-73
79.	SUNNYSIDE	1970-71	5	100	0.02	100	5,200	1972-73
80.	SUNSET (LOWER)	1963-64	12	64,400	0.65	19,500	30,000	1964-65
81.	SUNSET (UPPER)	1928-29	47	80,800	0.44	27,000	61,400	1964-65
82.	TURNBULL	1952-53	23	36,200	0.99	15,900	16,000	1968-69
83.	VERDUGO	1935-36	40	635,300	9.45 (8,9)	105,400	9,900	1937-38
84.	WARD	1956-57	19	20,200	0.10	5,200	51,900	1957-58
85.	WEST RAVINE	1935-36	40	138,600	0.25	29,900	119,500	1937-38
86.	WILBUR (6)	1942-43	33	482,900	5.86	61,700	7,100	1951-52
87.	WILDWOOD	1967-68	8	30,000	0.65	16,000	24,600 (2)	1968-69
88.	WILSON	1962-63	13	165,800	2.58	55,500	21,500	1968-69
89.	WINERY	1968-69	7	11,000	0.18	9,400	52,200	1968-69
90.	ZACHAU	1956-57	19	12,300	0.35	10,300	29,400	1968-69
				9,461,700				

(*) SEE FOOTNOTE (8) BELOW

(E) ESTIMATE

(1) NEW DEBRIS BASINS.
(2) VOLUME OF DEBRIS DEPOSITED IN BASIN DOES NOT INCLUDE DEBRIS WHICH PASSED OVER SPILLWAY DURING THE STORMS IN 1968-69 SEASON.
(3) INCLUDES DEBRIS FROM SANTA ANITA DAM.
(4) INCLUDES DEBRIS SLUICED FROM SAWPIT DAM.
(5) VOLUME OF DEBRIS DEPOSITED IN BASIN DOES NOT INCLUDE DEBRIS SLUICED THROUGH OPEN PORTS OR NOTCH.
(6) BASINS WILL BE ALLOWED TO FILL WITH DEBRIS AND ACT AS AN INLET STRUCTURE.
(7) APPROXIMATE DRAINAGE AREA INCLUDES MAJOR PORTION OF HASTINGS CANYON DRAINAGE AREA.
(8) EXCLUDES 6.03 SQUARE MILES OF DRAINAGE AREA CONTROLLED BY DEBRIS BASINS DESIGNATED BY (*).
(9) UNCONTROLLED DRAINAGE AREA IS BASED ON WEIGHTED AVERAGE OF THE VARIOUS AREA CHANGES RESULTING FROM DEBRIS BASIN CONSTRUCTION IN BRANCHES OF THE DRAINAGE OR OTHER CULTURAL CHANGES.

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 the 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 or 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 stream 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 areas.

The Water Quality Section, together with personnel of other District divisions, also conduct 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 on 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 dissolved solids is shown (Table 1) 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 constitutent determination is shown (Table 2) for one (Los Angeles River at 6th Street) of the 31 stations sampled.

To achieve an even greater insight into surface water quality, this District has recently supplemented the monthly monitoring program by including within this program a series of scheduled investigation tours on each of the major conveyance systems.

This work consists basically of traversing each of the principal streams and channels for compliance to existing water quality standards. Observations are also conducted on tributary systems, and the respective drainage areas.

STORM WATER QUALITY

The annual Storm Water Quality Program is a comprehensive sampling of major storm flows at many locations throughout the County. The samples are analyzed by the Water Quality Laboratory or by an independent laboratory for major minerals, electrical conductivity, suspended solids, pH, dissolved oxygen, biochemical oxygen demand, coliform, fecal coliform, enterococci, pesticides, herbicides, trace metals, oil and grease, chemical oxygen demand, and nutrients levels.

In addition, storm samples are taken at various gaging stations and spreading grounds. The flow data is recorded at the time each sample is taken and these samples 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 Ground-Water 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, fluoride, or boron.

WATER QUALITY DATA ACCESSIBILITY

Data acquired from these 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 Resources and is available on their computer generated listings. In addition, all data will be accessible to any user through STORET, an Environmental Protection Agency computer system that stores, retrieves, and manipulates data using agency code 21CALAFD.

WATER CONSERVATION DIVISION

SURFACE WATER QUALITY MONITORING

SELECTED SURFACE STATION

TABLE I

TOTAL DISSOLVED SOLIDS — Mg/L

Sampling Location	July 1974	Aug. 1974	Sept. 1974	Oct. 1974	Nov. 1974	Dec. 1974	Jan. 1975	Feb. 1975	Mar. 1975	April 1975	May 1975	June 1975	Average Value
Ballona Creek @													
Sawtelle Blvd.	2570	2600	2310	2080	2950	2640	2180	2820	3020	2790	2430	1760	2510
Centinela Ave.	4310	5490	2990	5280	2990	2470	1970	2570	2680	627	3060	1130	2960
Coyote Creek @													
Leffingwell Rd.	1015	981	1400	1050	1020	1020	1040	1100	1090	816	637	1000	1014
Valley View St.	994	1070	1060	1196	1060	1070	976	1060	1020	668	1010	565	979
Willow St.	1350	1470	1380	1460	1300	1390	1190	1340	1430	1100	1300	1330	1340
Dominguez Channel @													
Above Vermont Ave.	747	699	550	757	605	377[1]	3910	135[2]	83[3]	614	657	559	808
Los Angeles River @													
Tujunga Ave.	905	805	820	874	1000	574[1]	1020	550[2]	50[3]	1120	1130	1100	829
Sixth St.	1140	1120	1000	1070	1030	575[1]	1000	590[2]	115[3]	939	989	1050	885
Willow St.	985	985	1040	1070	964	552[1]	890	249[2]	101[3]	880	827	943	782
Malibu Creek @													
Cross Creek Rd.	1430	1570	1710	1730	1710	1550	1380	1150	890[3]	934	1230	1280	1380
Rio Hondo Channel @													
Stewart & Gray Rd.	1204	1220	1098	1110	582	550[1]	595	200[2]	78[3]	620	1230	855	734
Santa Clara River @													
Highway 99	1035	1047	1060	1160	1250	1350	1350	1300	171[3]	1390	1350	1310	1147
San Gabriel River @													
San Gabriel River Pky.	800	747	735	393[4]	358[4]	641	701	No flow	702	533	555	340[4]	564
Willow St.	1100	1000	1030	961	953	944	891	910	945	917	965	1130	979
San Jose Creek @													
Workman Mill Rd.	900	903	864	311[4]	292[4]	302[4]	311[4]	310[4]	800	744	820	1070	636

1) Influenced by storm water run-off occurring 12/4 & 12/5/74
2) Influenced by storm water run-off occurring 2/3, 4 & 5/75
3) Sampled during rainfall 3/6/75
4) Influenced by MWD water release

WATER CONSERVATION DIVISION

WATER QUALITY ANALYSIS

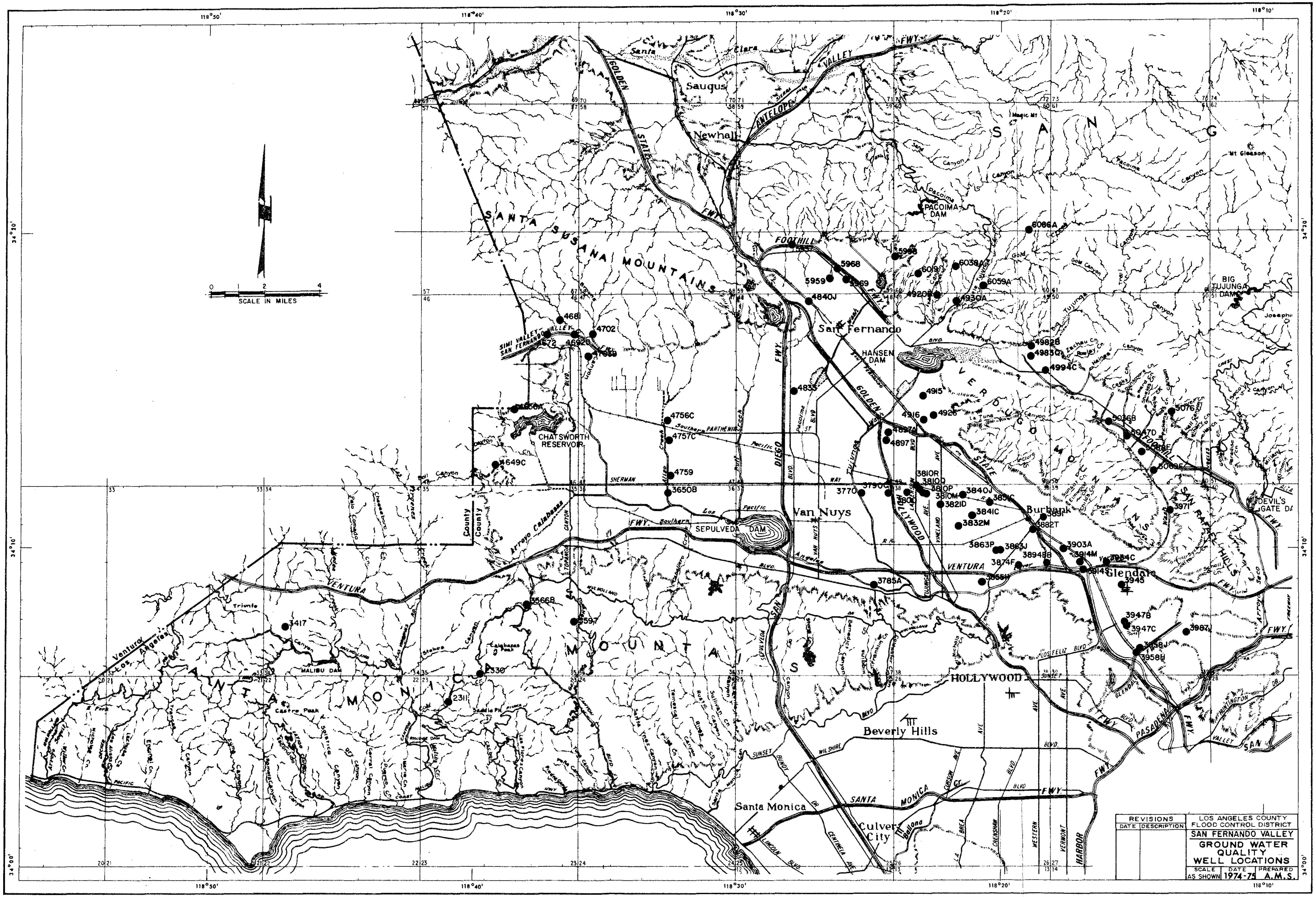
MONTHLY MONITORING 1974 - 1975

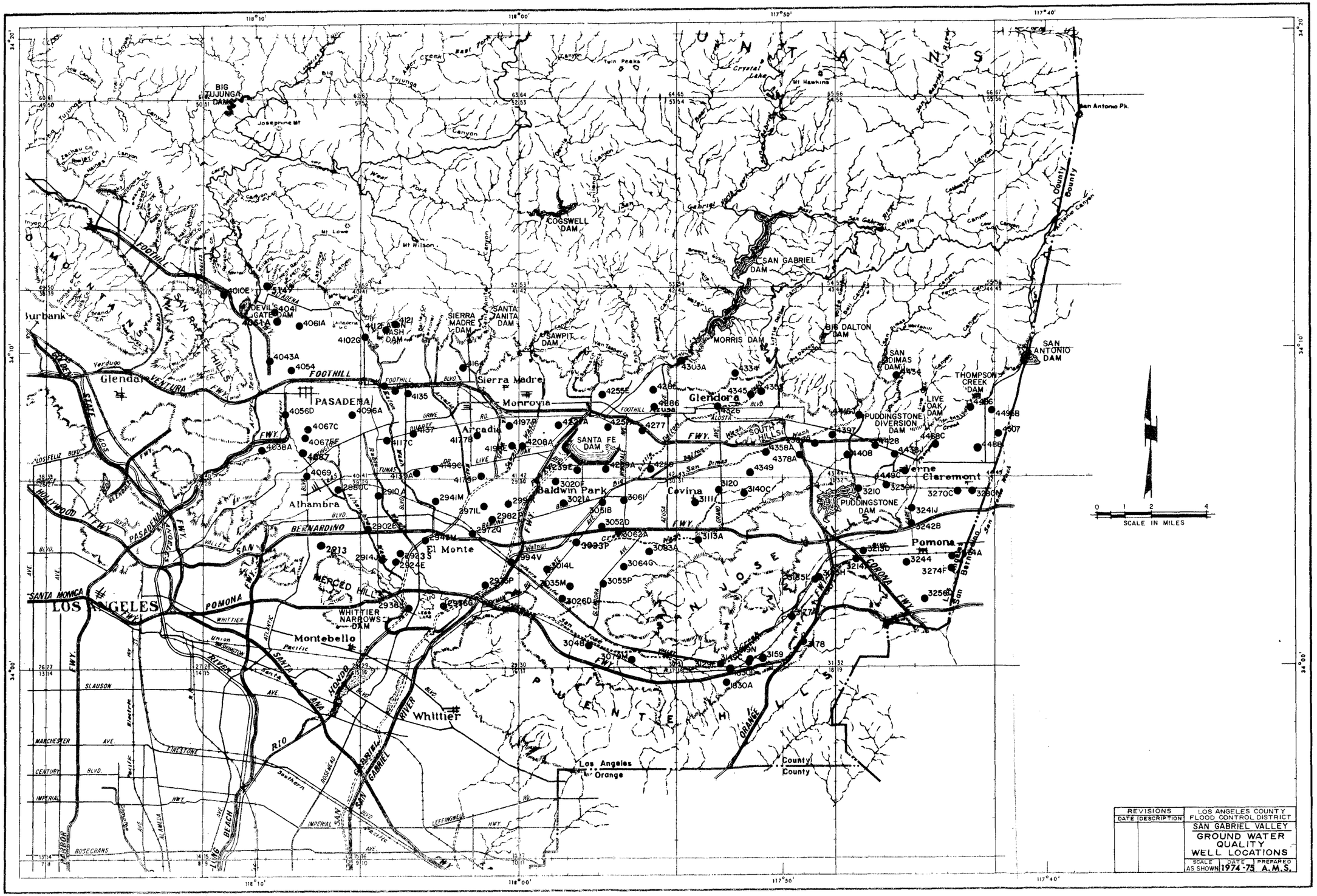
TABLE 2

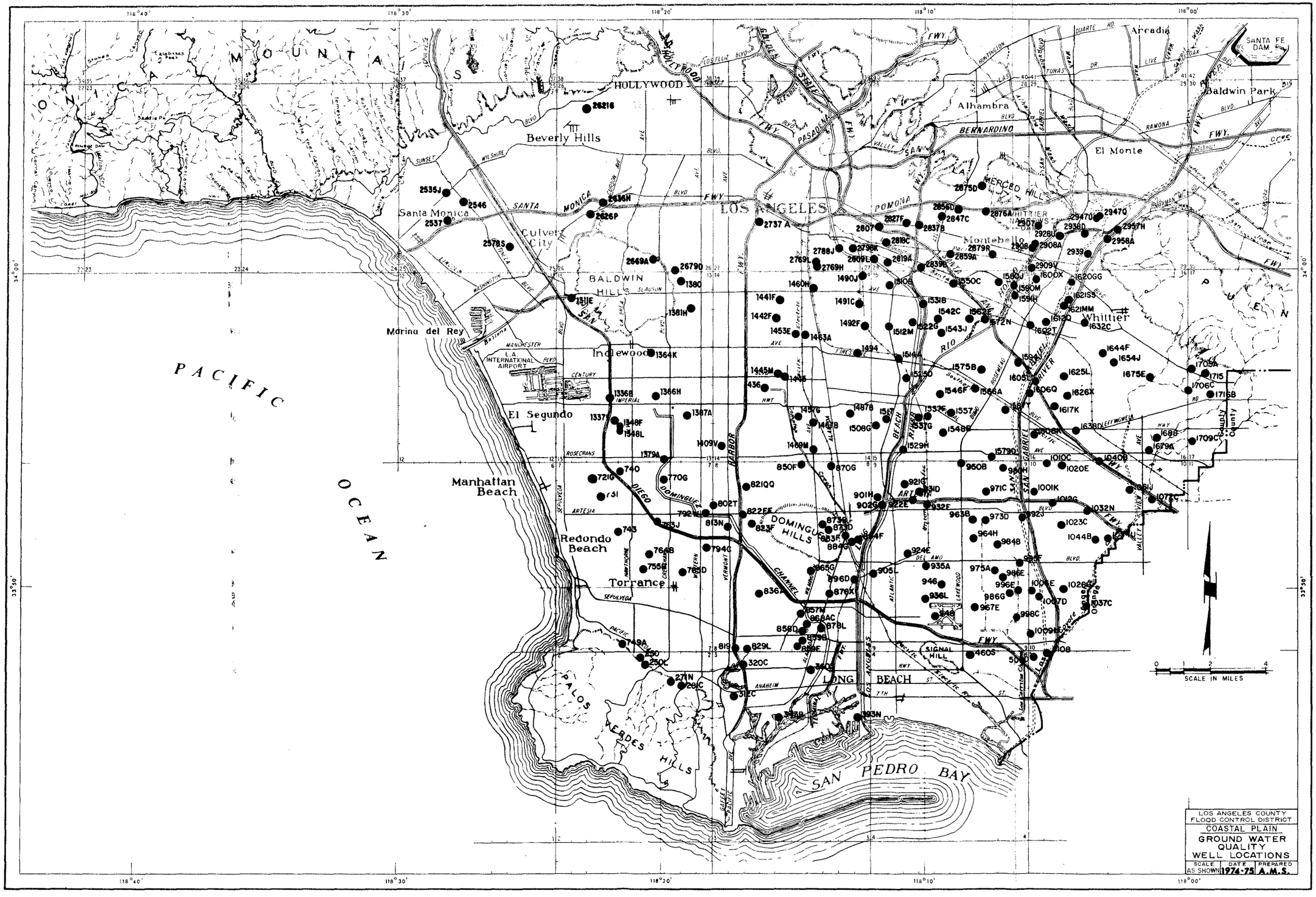
LOS ANGELES RIVER AT SIXTH STREET

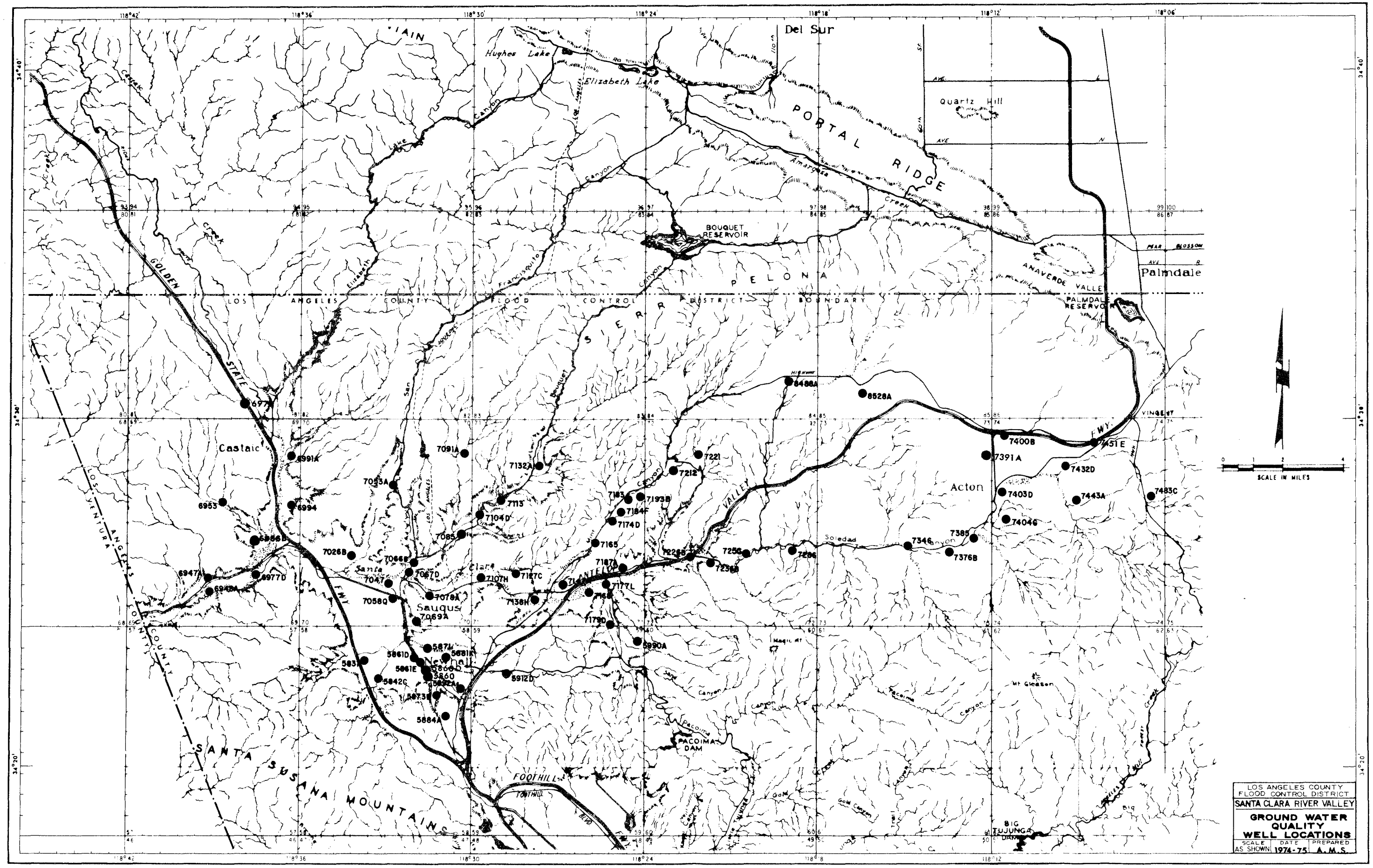
CONSTITUENT mg/l	DATE SAMPLED												
	7-9	8-2	9-3	10-2	11-7	12-6	1-7	2-5	3-6	4-4	5-5	6-3	AVERAGE
Hardness	465	454	415	418	415	(1) 256	425	(2) 262	(3) 54	401	443	461	372
Calcium	118	115	107	109	109	70.6	113	66.3	16.1	101	111	113	95.8
Magnesium	41.2	40.4	36	35.2	34.7	19.4	34.8	23.3	3.8	36.1	40.4	43.8	32.4
Sodium	173	164	134	152	144	68.5	137	68.0	7.4	117	123	135	118.6
Potassium	7.7	8.4	11	10.2	11.0	6.8	6.8	6.5	3.1	7.8	7.0	7.2	7.8
Ammonium	0	0.4	0	0	0	0	1.2	0.3	0.3	3.5	0	0	0.5
Hydroxide	0	0	0	0	0	0	0	0	0	0	0	0	0
Carbonate	0	0	0	0	0	0	0	0	0	0	15.6	0	1.3
Bicarbonate	298	301	269	295	284	164	269	159	46	257	251	309	242
Sulfate	283	323	297	297	287	162	284	181	28.2	283	302	294	252
Chloride	210	157	129	150	128	72.9	131	69.9	6.6	114	126	139	119
Nitrate	3.0	7.8	11.2	17.7	23.9	7.8	18.2	14.2	2.9	17.4	11.4	9.1	12.0
Phosphate	3.2	2.8	4.7	6.0	6.0	3.3	6.9	2.2	0.9	2.0	1.7	1.8	3.4
Total ions	1,140	1,120	1,000	1,070	1,030	575	1,000	590	115	939	989	1,050	885
DO	0.6	8.8	2.5	6.6	2.5	8.8	10.9	8.8	9.1	8.3	13.1	8.1	7.3
BOD	7.0	8.0	10	8.0	3.0	10	6.0	10	12	6.0	8.0	2.0	7.5
COD	38	45	53	40	24	33	22	56	59	52	23	45	41
per/100ml													
Fecal Coli	113	3,500	1,600	1,100	1,700	7,200	820	---	9,400	620	780	440	2,480
Total Coli	12,000	22,000	18,000	280	164,000	60,000	34,000	32,000	38,000	7,100	40,000	22,700	37,500
Fecal Strep	8,900	620	2,900	9,400	4,200	10,300	3,100	---	83,000	16,000	2,100	2,400	13,000
pH	7.7	8.1	7.8	7.8	8.3	8.0	8.2	7.7	7.9	8.3	8.6	8.4	8.1
Temp. °F	66	72	68	64	50	52	54	54	---	55	54	64	59

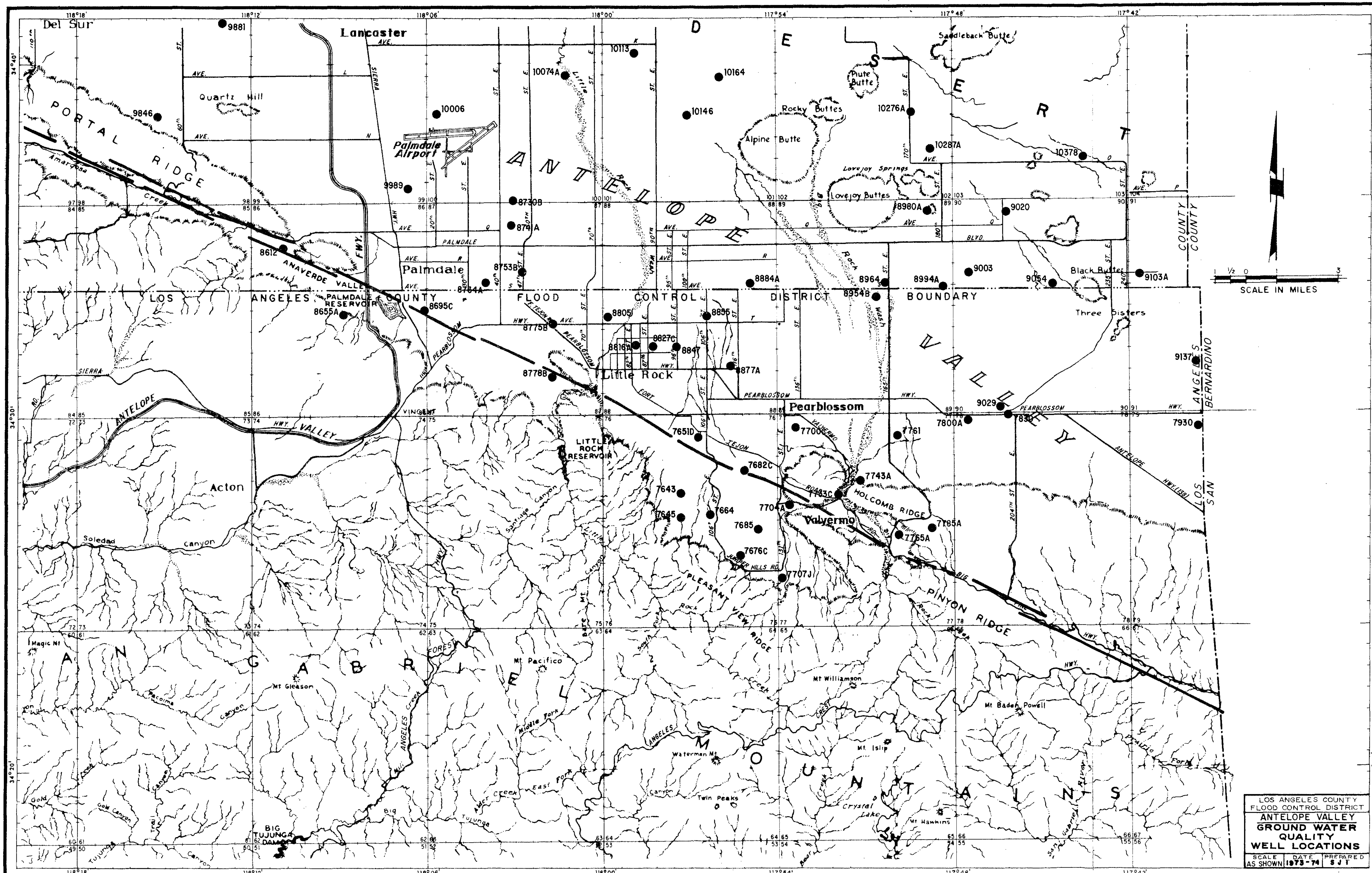
Notes: (1) Influenced by rainfall occurring 12/4 & 12/5/74
(2) Influenced by rainfall occurring on 2/3, 2/4 & 2/5/75
(3) Sampled during heavy rainfall

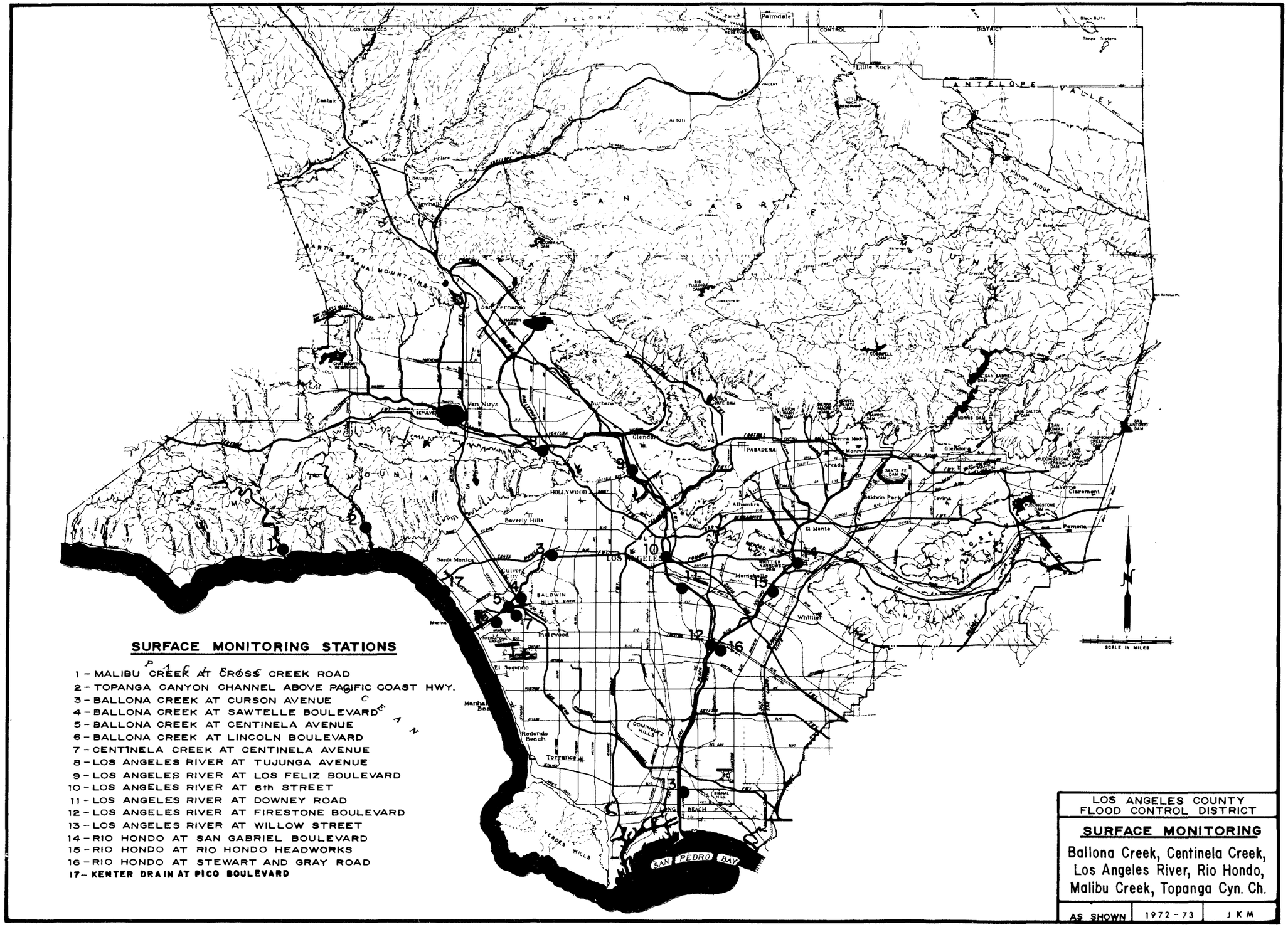

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SAN FERNANDO VALLEY
GROUND WATER QUALITY WELL LOCATIONS
REVISIONS
DATE
DESCRIPTION
SCALE AS SHOWN
DATE 1974-75
PREPARED A.M.S.
SCALE IN MILES
0 1 2 4
118°50'
118°40'
118°30'
118°20'
118°10'
34°20'
34°10'
34°00'
Saugus
Newhall
SANTA SUSANA MOUNTAINS
San Fernando
HANSEN DAM
PACOIMA DAM
BIG TUJUNGA DAM
CHATSWORTH RESERVOIR
SEPULVEDA DAM
Van Nuys
Burbank
Glendale
HOLLYWOOD
Beverly Hills
Santa Monica
Culver City
DEVIL'S GATE DAM
MALIBU DAM
VERDUGO MOUNTAINS
SAN RAFAEL HILLS
SANTA MONICA MOUNTAINS
Castro Peak
Triunfo
GOLDEN STATE FWY
FOOTHILL FWY
VENTURA FWY
SAN DIEGO FWY
SANTA MONICA FWY
PASADENA FWY
HARBOR FWY
ANTELOPE VALLEY FWY
SIMI VALLEY SAN FERNANDO VALLEY FWY
SHERMAN WAY
VENTURA BLVD
SUNSET BLVD
WILSHIRE BLVD
Arroyo Calabasas
County
Ventura
Los Angeles
6086A
5988
5968
5959
5969
6019
6038A
6059A
4920B
4930A
4840J
4681
4702
4672
4692B
4769
4835
4915
4916
4926
4928B
4983G
4994C
5036B
5047D
5076
5069E
5070
4756C
4757C
4759
3650B
4649C
4897
3810R
3810Q
3810P
3810M
3770
3790G
3800
3821D
3840J
3851C
3841C
3832M
3882T
3863P
3863J
3874F
3894BB
3903A
3914M
3914S
3924C
3945
3971
3785A
3856H
3947B
3947C
3987J
3958H
3566B
3597
3417
2330
2311


118°10'
118°00'
117°50'
117°40'
34°20'
34°10'
34°00'
BIG TUJUNGA DAM
COGSWELL DAM
SAN GABRIEL DAM
MORRIS DAM
BIG DALTON DAM
SAN DIMAS DAM
SAN ANTONIO DAM
THOMPSON CREEK DAM
LIVE OAK DAM
PUDDINGSTONE DIVERSION DAM
PUDDINGSTONE DAM
DEVIL'S GATE DAM
SIERRA MADRE DAM
SANTA JANITA DAM
SAWPIT DAM
SANTA FE DAM
WHITTIER NARROWS DAM
Burbank
Glendale
PASADENA
Sierra Madre
Monrovia
Arcadia
Glendora
Azusa
Alhambra
Baldwin Park
Covina
El Monte
Montebello
Whittier
Pomona
Claremont
Verne
LOS ANGELES
SAN GABRIEL MTNS
SAN JOSE HILLS
PUENTE HILLS
Los Angeles County
Orange County
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 1974-75 | PREPARED A.M.S.


SANTA MONICA MOUNTAINS
PACIFIC OCEAN
HOLLYWOOD
Beverly Hills
Santa Monica
Culver City
BALDWIN HILLS
Marina del Rey
Inglewood
LOS ANGELES
Arcadia
Alhambra
El Monte
Baldwin Park
Montebello
Whittier
SANTA FE DAM
El Segundo
Manhattan Beach
Redondo Beach
Torrance
PALOS VERDES HILLS
LONG BEACH
SAN PEDRO BAY
SCALE IN MILES
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
COASTAL PLAIN
GROUND WATER QUALITY WELL LOCATIONS
SCALE AS SHOWN
DATE PREPARED 1974-75 A.M.S.


Del Sur
Hughes Lake
Elizabeth Lake
PORTAL RIDGE
Quartz Hill
BOUQUET RESERVOIR
PELONA
Palmdale
ANAVERDE VALLEY
PALMDALE RESERVOIR
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT BOUNDARY
SIERRA
GOLDEN STATE
Castaic
Newhall
Saugus
Acton
Soledad
PACOIMA DAM
FOOTHILL
SANTA SUSANA MOUNTAINS
LOS ANGELES COUNTY
VENTURA COUNTY
SCALE IN MILES
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SANTA CLARA RIVER VALLEY
GROUND WATER QUALITY WELL LOCATIONS
SCALE AS SHOWN | DATE 1974-75 | PREPARED A.M.S.


LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
ANTELOPE VALLEY
GROUND WATER
QUALITY
WELL LOCATIONS
SCALE AS SHOWN
DATE 1973-74
PREPARED SJT
SCALE IN MILES
1 1/2 0 1 2 3
ANTELOPE VALLEY
DESERT
SAN GABRIEL MOUNTAINS
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT BOUNDARY
LOS ANGELES COUNTY
SAN BERNARDINO COUNTY
Lancaster
Palmdale
Palmdale Airport
Little Rock
Pearblossom
Valyermo
Acton
Del Sur
Quartz Hill
PALMDALE RESERVOIR
LITTLE ROCK RESERVOIR
BIG TUJUNGA DAM
PORTAL RIDGE
ANAVERDE VALLEY
HOLCOMB RIDGE
PLEASANT VIEW RIDGE
PINYON RIDGE
Saddleback Butte
Piute Butte
Rocky Buttes
Alpine Butte
Lovejoy Springs
Lovejoy Buttes
Black Buttes
Three Sisters
Soledad Canyon
Amargosa Creek
Santiago Canyon
Little Rock Creek
Big Rock Creek
Pacoima Canyon
Mt Gleason
Mt Pacifico
Mt Williamson
Mt Baden Powell
Waterman Mt
Mt Islip
Mt Hawkins
Twin Peaks
Crystal Lake
Magic Mt
ANGELES FOREST HWY.
ANGELES CREST HWY.
PEARBLOSSOM HWY.
ANTELOPE VALLEY HWY.
ANTELOPE HWY.(138)
SIERRA HWY.
FORT TEJON RD.
JUNIPER HILLS RD.
9881
10113
10164
10074A
10006
10146
9846
10276A
10287A
10378
9989
8730B
8741A
9020
8980A
8612
8753B
8764A
8884A
8964
8994A
9003
9054
9103A
8954B
8695C
8655A
8805
8855
8775B
8827C
8816A
8847
8877A
8778B
9137
9029
7830
7800A
7930
7651D
7700
7761
7682C
7743A
7733C
7643
7645
7664
7704A
7685
7785A
7765A
7676C
7707J
118°18'
118°12'
118°06'
118°00'
117°54'
117°48'
117°42'
34°40'
34°30'
34°20'



SURFACE MONITORING STATIONS

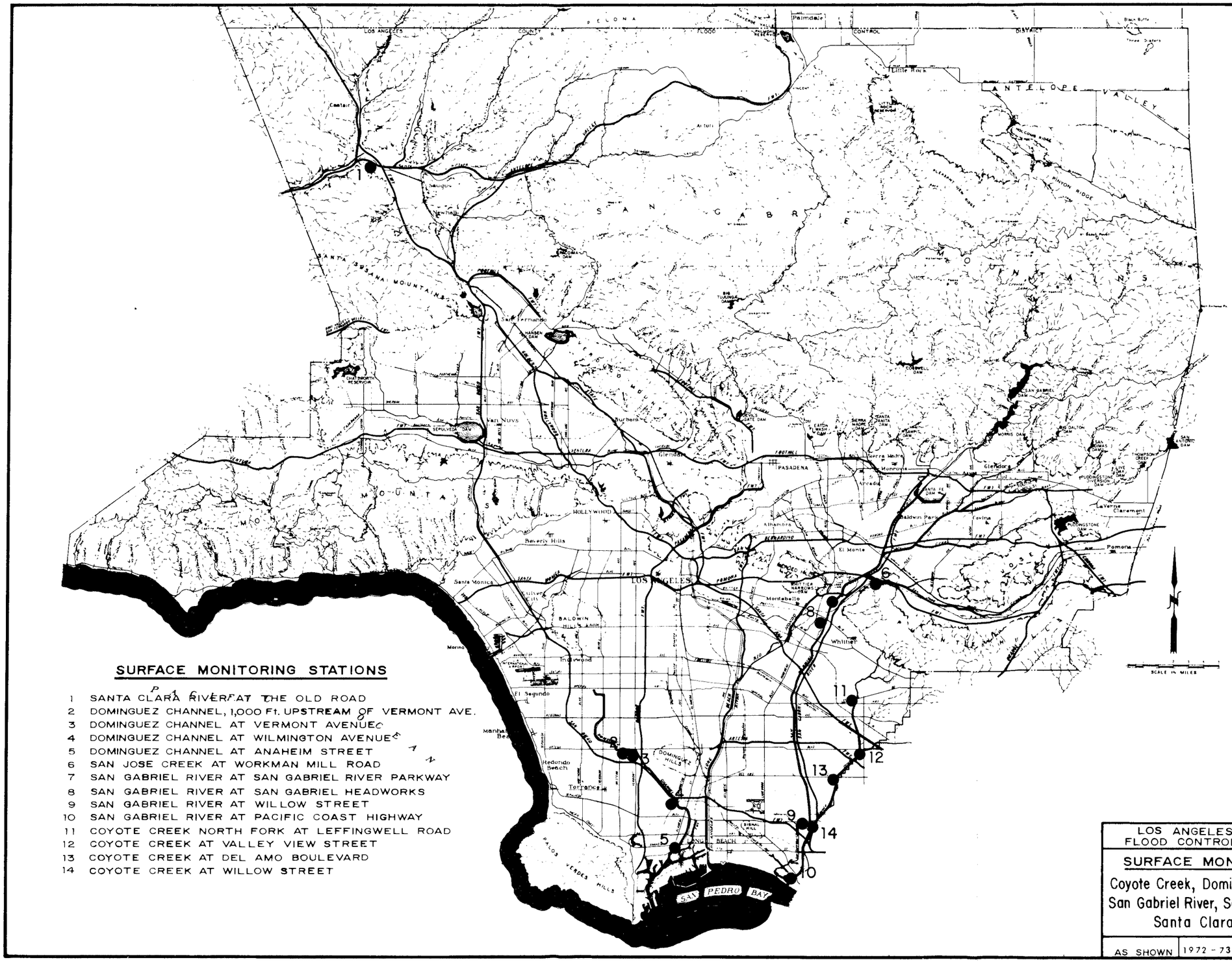
1 - MALIBU CREEK AT CROSS CREEK ROAD
2 - TOPANGA CANYON CHANNEL ABOVE PACIFIC COAST HWY.
3 - BALLONA CREEK AT CURSON AVENUE
4 - BALLONA CREEK AT SAWTELLE BOULEVARD
5 - BALLONA CREEK AT CENTINELA AVENUE
6 - BALLONA CREEK AT LINCOLN BOULEVARD
7 - CENTINELA CREEK AT CENTINELA AVENUE
8 - LOS ANGELES RIVER AT TUJUNGA AVENUE
9 - LOS ANGELES RIVER AT LOS FELIZ BOULEVARD
10 - LOS ANGELES RIVER AT 6th STREET
11 - LOS ANGELES RIVER AT DOWNEY ROAD
12 - LOS ANGELES RIVER AT FIRESTONE BOULEVARD
13 - LOS ANGELES RIVER AT WILLOW STREET
14 - RIO HONDO AT SAN GABRIEL BOULEVARD
15 - RIO HONDO AT RIO HONDO HEADWORKS
16 - RIO HONDO AT STEWART AND GRAY ROAD
17 - KENTER DRAIN AT PICO BOULEVARD

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT

SURFACE MONITORING

Ballona Creek, Centinela Creek,
Los Angeles River, Rio Hondo,
Malibu Creek, Topanga Cyn. Ch.

AS SHOWN	1972 - 73	J K M



SURFACE MONITORING STATIONS

1. SANTA CLARA RIVER AT THE OLD ROAD
2. DOMINGUEZ CHANNEL, 1,000 Ft. UPSTREAM OF VERMONT AVE.
3. DOMINGUEZ CHANNEL AT VERMONT AVENUE
4. DOMINGUEZ CHANNEL AT WILMINGTON AVENUE
5. DOMINGUEZ CHANNEL AT ANAHEIM STREET
6. SAN JOSE CREEK AT WORKMAN MILL ROAD
7. SAN GABRIEL RIVER AT SAN GABRIEL RIVER PARKWAY
8. SAN GABRIEL RIVER AT SAN GABRIEL HEADWORKS
9. SAN GABRIEL RIVER AT WILLOW STREET
10. SAN GABRIEL RIVER AT PACIFIC COAST HIGHWAY
11. COYOTE CREEK NORTH FORK AT LEFFINGWELL ROAD
12. COYOTE CREEK AT VALLEY VIEW STREET
13. COYOTE CREEK AT DEL AMO BOULEVARD
14. COYOTE CREEK AT WILLOW STREET

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT

SURFACE MONITORING

Coyote Creek, Dominguez Channel, San Gabriel River, San Jose Creek, Santa Clara River

AS SHOWN	1972 - 73	J K M

WATER CONSERVATION

FOREWORD

Information presented in this section includes amounts of local, imported, and reclaimed water conserved in spreading grounds, spreading basins, reservoirs, and unlined channels. Also presented is information on the seawater barrier projects which prevent saltwater intrusion in the coastal area and information on the District's water quality monitoring programs of surface and ground water. 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 meaning in this section. Local water is that derived from runoff due to rainfall on the mountain and valley watersheds within or tributary to the District. Reclaimed water is the effluent produced by Whittier Narrows Water Reclamation Plant and the San Jose Creek Water Renovation Plant, both operated by the Los Angeles County Sanitation Districts.

The rainfall during the water year 1974-75 was approximately 95 per cent of normal, and the local water conserved during this period was over 134,000 acre-feet.

San Gabriel River Spreading Grounds

SPREADING GROUNDS

The total gross acreage of spreading grounds owned and operated by the District during this annual report period amounted to 2,201 acres. The District also assisted in the operation and maintenance of 679 acres of spreading grounds owned by others. An additional 246 acres of spreading grounds are controlled, maintained, and operated by other agencies. The total gross acreage of spreading grounds in the County is 3,126 acres with a combined infiltration capacity of more than 2,403 cfs.

During the report period, the District continued its cooperation with the City of Pasadena Master Planning Committee in activities aimed toward the ultimate development of Arroyo Seco Spreading Grounds and Devil's Gate Reservoir.

IMPORTED WATER

During this annual 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. Prior to its termination, June 30, 1972, funds were also provided by the Water Conservation Zone I. 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 $0.05 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 Ground-Water 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 their Devil Canyon-Azusa Pipeline on November 18, 1974, to the San Gabriel River. They also used their pipeline for the delivery of water for cyclic storage as per agreement with the watermaster. The Metropolitan Water District also used the pipeline for delivery of replenishment water for the Upper San Gabriel Valley Municipal Water District.

RECLAIMED WATER

The County Sanitation District's Whittier Narrows Water Reclamation Plant, in operation since 1962, produced from 12 to 18 mgd of high quality effluent during the annual 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 replenishment.

The County Sanitation District's San Jose Creek Water Renovation Plant, activated in May 1972, made its first delivery of effluent in November of 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 about 30 per cent of the total purchased water spread in the Montebello Forebay between October 1, 1974, and September 30, 1975.

BARRIER PROJECTS

The West Coast Basin Barrier Project, just inland of the Santa Monica Bay coastline, prevents the intrusion of ocean water into the fresh-water aquifers by the injection of State Project water to form a pressure barrier.

While the project is essentially completed within its approximate nine-mile reach covering the coastline from the Los Angeles International Airport to the base of the Palos Verdes Hills, construction of 11 injection wells and one observation well to provide additional protection and monitoring capabilities was in progress during this report period with operation scheduled for spring 1976. During the year, 26,434 acre-feet of fresh water was injected and the injection rate throughout the year averaged 37 cfs.

The Dominguez Gap Barrier Project was designed to prevent sea-water intrusion from the San Pedro Bay into the West Coast Basin through the Dominguez Gap area. Since the initiation of injection operations at the project in February 1971, some difficulty has been experienced in the ability to build the pressure ridge necessary to provide appropriate protection. (Nine shallow observation wells were constructed during the year. Deep observation wells at three sites (Unit 4) were under construction at the end of the report year. Four additional shallow observation wells will be constructed next year.) During the year, 5,161 acre-feet of fresh water was injected at an average rate of 7 cfs.

The existing operational facilities of the Alamitos Barrier Project consist of 18 injection wells and 4 extraction wells. The project facilities are designed to protect the ground water supplies of the Central Basin

of Los Angeles County and the Eastern Coastal Plain Basin of Orange County from intrusion of seawater through the Alamitos Gap area. During the year, 5,158.8 acre-feet of fresh water was injected at an average rate of 7 cfs and 153 acre-feet of saline water was extracted. Construction of the Orange County Water District extraction well was in progress and is expected to be in operation by January 1976.

EXPLORATION AND OBSERVATION WELLS

During this annual report period, 10 wells were drilled for monitoring groundwater levels and obtaining geologic data. These wells were constructed to replace important observation wells that have been destroyed.

SEASONAL DATA AND MAPS

During this annual report period, about 21,594 groundwater observations were obtained from approximately 2,758 wells. Hydrographs for selected key wells are included in this report.

GROUNDWATER BASINS

The natural underground water 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 relate the change in groundwater level as taken from wells which were chosen as representatives of average basin conditions. The change is measured as the difference in groundwater level occurring on October 1, 1975, as compared to the level which occured on October 1, 1974. These changes are shown on the basin maps pages 299 to 319. Some of the hydrographs used for determining the changes are shown on pages 269 to 291.

SAN FERNANDO VALLEY

The San Fernando Valley watershed overlies the San Fernando Main Basin and five sub-basins. The sub-basins are named Sylmar, Pacoima, Tujunga, Glenoaks, and Verdugo. The groundwater level was stable in the western portion of the San Fernando Valley but changes varying from 1 foot to -6 feet occured in other portions of the Valley.

See basin map on page 299.

SAN GABRIEL VALLEY

Eighteen groundwater basins exist under the San Gabriel Valley watershed. Groundwater levels decreased throughout most of these basins. The magnitude of some of the changes are shown on the basin map on page 301.

COASTAL PLAIN

Groundwater levels changes in the Coastal Plain varied throughout the basin. These changes are shown on the basin map on page 303.

SANTA CLARITA VALLEY

Groundwater levels in the main portion of the basin for this period have declined. However, the water level records as obtained from measurements in Well 7048A indicate that the water table in the Saugus area is still at the high level that occured during the 1969 storm.

ANTELOPE VALLEY

The Lancaster groundwater level as determined from measurements from Well 9962D has continued to decline. Decline for this report period is about six feet. Available record shows this declining trend continuing from 1921.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
RESERVOIR AND CHANNEL ABSORPTION
EXCLUSIVE OF SPREADING GROUNDS
WATER YEAR 1974-75

STREAM	REACH OF STREAM WHERE ABSORPTION OCCURRED	TOTAL RELEASE TO REACH A.F.	ABSORPTION IN CHANNELS, RESERVOIRS AND DIVERSIONS A.F.	EXCESS OF RELEASE OVER ABSORPTION A.F.
PACOIMA	DAM TO LINED CHANNEL	4,300	2,920 (1)	1,380
TUJUNGA	MOUTH TO LINED CHANNEL	13,150	3,420 (1)(2)	9,730
ARROYO SECO	DEVIL'S GATE RESERVOIR		1,200 (1)	
EATON WASH	EATON WASH DAM		810 (1)	
SANTA ANITA	DAM TO LINED CHANNEL	4,520	1,310 (1)	3,210
SANTA FE DIVERSION	SANTA FE DAM TO SAWPIT WASH	4,650	1,620	3,030
SAN GABRIEL	MOUTH TO FOOTHILL BOULEVARD	59,020	18,380	40,640
SAN GABRIEL	FOOTHILL BOULEVARD TO SANTA FE DAM	41,260	3,840 (1)	37,420
SAN DIMAS	DAM TO LINED CHANNEL	2,480	1,110 (1)	1,370
WALNUT	PUDDINGSTONE DAM TO LINED CHANNEL	554	67	487
THOMPSON	THOMPSON CREEK RESERVOIR		38	
TOTAL			34,795	

NOTES: (1) INCLUDES PERCOLATION AND EVAPORATION LOSSES IN RESERVOIRS.

(2) INCLUDES WATER DIVERTED FOR MUNICIPAL WATER SUPPLY.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
SUMMARY OF DATA ON SPREADING FACILITIES
OWNED AND OPERATED BY THE DISTRICT
UPDATED THROUGH SEPTEMBER 1975

GROUNDS	TYPE	SEASON FIRST USED	AREA IN ACRES		CAPACITIES				LOCATION	SOURCE OF WATER	REMARKS
			GROSS	WETTED	CHANNEL** CFS	INTAKE CFS	STORAGE A.F.	PERC.* CFS			
LOPEZ	SHALLOW BASINS	1956-57	18	13	-	25	25	7	SOUTHEASTERLY SIDE OF PACOIMA WASH, NORTHEASTERLY OF FOOTHILL BOULEVARD	CONTROLLED FLOW FROM PACOIMA DAM AND LOPEZ FLOOD CONTROL BASIN.	THE FLOW IS DIVERTED FROM LOPEZ FLOOD CONTROL BASIN VIA CANAL TO THE SPREADING GROUNDS.
PACOIMA	SHALLOW BASINS	1932-33	169	116	17,000	400	392	100	BOTH SIDES OF OLD PACOIMA WASH CHANNEL FROM ARLETA STREET SOUTHWESTERLY TO WOODMAN AVENUE.	CONTROLLED FLOW FROM PACOIMA DAM. PARTIALLY CONTROLLED FLOW FROM LOPEZ FLOOD CONTROL BASIN, UNCONTROLLED FLOW FROM EAST CANYON AND PACOIMA WASH.	FLOCCULANT FACILITY ADDED IN 1965-66
HANSEN	SHALLOW BASIN	1944-45	156	110	22,000	450	230	185	NORTHWESTERLY SIDE OF TUJUNGA WASH FROM ABOVE GLENOAKS BOULEVARD SOUTHWESTERLY TO SAN FERNANDO ROAD.	CONTROLLED FLOW FROM HANSEN DAM AND BIG TUJUNGA DAM.	GENERALLY WATER IS AVAILABLE FOR SPREADING ONLY DURING YEARS OF NORMAL OR ABOVE NORMAL RAINFALL. FLOCCULANT FACILITY ADDED IN 1971.
BRANFORD	DEEP BASIN	1956-57	12	8	1,540	1,540	179	1	SOUTHWESTERLY OF ARLETA STREET ABOVE CONFLUENCE OF TUJUNGA CHANNEL AND PACOIMA DIVERSION CHANNEL	UNCONTROLLED FLOWS FROM BRANFORD STREET DRAIN.	BASIN DEVELOPMENT 85 PER CENT COMPLETE. OUTLET CAPACITY 1540 CFS TO PACOIMA DIVERSION CHANNEL.
ARROYO SECO	SHALLOW BASINS	1948-49	24	13	-	100	30	15	EASTERLY SIDE OF ARROYO SECO, LOWER END 0.5 MILE ABOVE DEVIL'S GATE DAM.	UNCONTROLLED FLOW FROM ARROYO SECO AND THE ALTADENA STORM DRAIN, CONTROLLED FLOW FROM CITY OF PASADENA.	SPREADING GROUNDS ARE HELD UNDER EASEMENT FROM THE CITY OF PASADENA.
EATON WASH	DEEP AND SHALLOW BASINS	1947-48	28	24	6,600	100	525	20	EASTERLY SIDE OF EATON WASH FROM BELOW EATON DAM TO FOOTHILL BLVD.	CONTROLLED FLOW FROM EATON WASH DAM AND SIERRA MADRE VILLA CHANNEL.	THREE DEEP BASINS COMPRISE 15 ACRES. THE SHALLOW STRIP BASINS TOTAL 13 ACRES.
SANTA ANITA	SHALLOW BASINS	1944-45	20	8	-	20	25	7	WESTERLY SIDE OF SANTA ANITA WASH 1.25 MILES ABOVE FOOTHILL BOULEVARD.	CONTROLLED FLOW FROM SANTA ANITA DAM AND SANTA ANITA DEBRIS DAM.	THE HEADWORKS LOCATED UPSTREAM OF THE DEBRIS DAM DIVERTS WATER TO SANTA ANITA SPREADING GROUNDS AND CITY OF SIERRA MADRE SPREADING GROUNDS.
SAWPIT	SHALLOW BASINS	1946-47	12	4	-	30	13	12	WESTERLY SIDE OF SAWPIT WASH BELOW MOUTH OF CANYON AT HEAD OF NORUMBEGA STREET, MONROVIA.	CONTROLLED FLOWS FROM SAWPIT DAM AND SAWPIT DEBRIS DAM.	
SAN GABRIEL CANYON	DITCHES AND CHECKS	ABOUT 1917	165	-	-	-	-	35	EASTERLY SIDE OF SAN GABRIEL RIVER, BELOW MOUTH OF CANYON. NORTH OF THE CITY OF AZUSA.	SAN GABRIEL RIVER CONTROLLED RELEASES FROM COGSWELL DAM, SAN GABRIEL DAM, AND MORRIS DAM.	THE DISTRICT TOOK OVER OPERATION OF THIS FACILITY IN NOVEMBER 1969. RECEIVES SURPLUS WATER FROM THE WATER RIGHTS OF THE COMMITTEE OF NINE.
LITTLE DALTON	SHALLOW BASINS, DITCHES, AND CHECKS	1931-32	14	4.7	-	20	5	10	WESTERLY OF GLENDORA MT. ROAD, FROM LITTLE DALTON DEBRIS DAM SOUTH TO EAST PALM DRIVE.	CONTROLLED FLOW FROM LITTLE DALTON DEBRIS DAM.	
BIG DALTON	SHALLOW BASINS, DITCHES, AND CHECKS	1930-31	24	13	-	45	25	15	WESTERLY SIDE OF BIG DALTON WASH. INTAKE ONE HALF MILE ABOVE SIERRA MADRE AVENUE.	CONTROLLED FLOWS FROM BIG DALTON DAM AND BIG DALTON DEBRIS DAM.	
LIVE OAK	SHALLOW BASINS	1961-62	5	2	-	15	2	5	WESTERLY SIDE OF LIVE OAK WASH, NORTH OF BASE LINE ROAD (PROJECTED).	CONTROLLED FLOW FROM LIVE OAK DAM AND LIVE OAK DEBRIS DAM.	
LAGUNA	SHALLOW BASINS	1962-63	6	3	-	-	5	1	EAST SIDE LONG BEACH FREEWAY, ONE HALF MILE NORTH OF BROOKLYN AVENUE.	LOCAL RUNOFF FROM ALHAMBRA AND EL SERENO VIA DORCHESTER DRAIN.	THE PIT IN WHICH BASINS ARE LOCATED WAS DESIGNED AS A RETENTION BASIN FOR THE DORCHESTER STORM DRAIN.
EATON BASIN	DEEP BASIN	1956-57	16	10.6	9,600	400	280	10	EAST SIDE OF EATON CHANNEL NORTH OF DUARTE ROAD, 0.6 MILE SOUTH OF HUNTINGTON DRIVE.	CONTROLLED FLOW FROM EATON WASH DAM AND UNCONTROLLED FLOWS BETWEEN DAM AND SPREADING BASIN.	
PECK ROAD	DEEP BASIN	1959-60	157	85	30,100	30,100	3,347	17	CONFLUENCE OF SAWPIT AND SANTA ANITA WASHES.	ALL FLOWS IN SAWPIT AND SANTA ANITA WASHES.	INFILTRATION CAPACITY DETERIORATED AFTER FEBRUARY 1969.
BUENA VISTA	DEEP BASIN	1954-55	10	6	2,900	2,900	194	8	1.0+ MILE EASTERLY OF SAWPIT WASH. 0.5+ MILE NORTHERLY OF ARROW HIGHWAY, BETWEEN MERIDIAN STREET AND BUENA VISTA CHANNEL.	CONTROLLED FLOW FROM SANTA FE DAM AND UNCONTROLLED FLOW FROM BUENA VISTA CHANNEL.	NO OUTFLOW EXPECTED EXCEPT CAPITAL STORM, BUT A SMALL OUTLET STRUCTURE OF 150 CFS PROVIDED. INLET CAPACITY OF SANTA FE DIVERSION 120 CFS.

*THE CAPACITIES LISTED ARE BASED ON INFILTRATION RATES WHICH MAY BE EXPECTED TO PERSIST FOR AT LEAST FIVE DAYS BUT ARE NOT VALID FOR SUSTAINED SPREADING OPERATIONS.

**DESIGN CAPACITY OF MAIN CONCRETE CHANNEL.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
SUMMARY OF DATA ON SPREADING FACILITIES
OWNED AND OPERATED BY THE DISTRICT
UPDATED THROUGH SEPTEMBER 1975

GROUNDS	TYPE	SEASON FIRST USED	AREA IN ACRES		CAPACITIES				LOCATION	SOURCE OF WATER	REMARKS
			GROSS	WETTED	CHANNEL** CFS	INTAKE CFS	STORAGE A.F.	PERC.* CFS			
SANTA FE***	SHALLOW BASINS	1953-54	139	115	-	500	200	220	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± ACRES 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 WILL BE PROVIDED DOWNSTREAM OF THE SPILLWAY.
IRWINDALE	DEEP BASIN	1958-59	17	14	20,000	450	403.3	40	NORTHEASTERLY OF INTERSECTION OF BIG DALTON CHANNEL AND IRWINDALE AVENUE; CONTINUES 1,300 FEET EAST OF IRWINDALE AVENUE.	BIG DALTON CHANNEL CONTROLLED FLOWS FROM BIG AND LITTLE DALTON DEBRIS DAMS AND PUDDINGSTONE DIVERSION DAM; UNCONTROLLED FLOWS.	FLOCCULANT FACILITY ADDED IN 1969.
CITRUS	SHALLOW BASIN	1960-61	19	15	-	25	20	28	SOUTH SIDE OF BIG DALTON WASH BETWEEN CITRUS AND CERRITOS AVENUES.		AZUSA IRRIGATION COMPANY ABANDONED PIPELINE IN 1967; NO SPREADING OPERATIONS AFTER THAT DATE.
BEN LOMOND	SHALLOW BASIN	1958-59	24	17	-	25	25	34	BOTH NORTH AND SOUTH SIDES OF SAN DIMAS WASH CHANNEL AT SOUTHWESTERLY CORNER OF INTERSECTION OF ARROW HIGHWAY AND BEN LOMOND AVENUE.	CONTROLLED RELEASES FROM COVINA IRRIGATING COMPANY PIPELINE	SPREADING GROUNDS UTILIZED TO CONSERVE EXCESS SURFACE SAN GABRIEL CANYON WATER RELEASES TO THE COVINA IRRIGATING COMPANY PIPELINE.
WALNUT CREEK SPREADING BASIN	DEEP BASIN	1962-63	16	8	8,000	150	166	5	WEST SIDE OF WALNUT WASH CHANNEL, NORTH OF SAN BERNARDINO FREEWAY.	CONTROLLED FLOW FROM PUDDINGSTONE DAM AND UNCONTROLLED FLOW FROM WALNUT WASH CHANNEL; EXCESS WATER FROM COVINA IRRIGATING COMPANY.	
SAN DIMAS CANYON SPREADING GROUNDS	SHALLOW BASIN	1965-66	22	11	-	25	22	12	SOUTHEAST SIDE OF SAN DIMAS WASH BETWEEN PUDDING STONE DIVERSION AND SAN DIMAS CANYON ROAD.	CONTROLLED RELEASES FROM PUDDINGSTONE DIVERSION DAM; UNCONTROLLED FLOW FROM SAN DIMAS CHANNEL.	
FORBES SPREADING BASIN	DEEP BASIN	1964-65	21	9.6	-	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.	CONSTRUCTION COMPLETED DURING 1973-74 WATER YEAR.
SAN GABRIEL COASTAL	SHALLOW BASIN	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, AND UNCONTROLLED VALLEY RUNOFF BELOW SANTA FE DAM VIA SAN GABRIEL RIVER; ALSO IMPORTED AND RECLAIMED WATER.	RIVER IMPROVEMENT COMPLETED IN 1968.
SAN GABRIEL RIVER UPPER	TEMPORARY CHECK LEVEES	1965-66	196±	196±	-	-	-	180	SAN GABRIEL RIVER FROM SANTA FE DAM TO RISING WATER.	CONTROLLED FLOW FROM DAMS IN SAN GABRIEL CANYON AND SANTA FE DAM AND UNCONTROLLED VALLEY RUNOFF BELOW SANTA FE DAM, ALSO IMPORTED WATER.	CHECK LEVEES DEVELOPED IN RIVER TO SPREAD WATER.
SAN GABRIEL RIVER LOWER	TEMPORARY CHECK LEVEES	1954-55	133	133	-	-	-	100	SAN GABRIEL RIVER FROM WHITTIER NARROWS DAM TO FLORENCE AVENUE.	SAME AS UPPER PORTION. ALSO RECLAIMED WATER.	SAME AS UPPER PORTION. SEE SAN GABRIEL COASTAL REMARKS.
RIO HONDO COASTAL	SHALLOW BASIN	1937-38	570	455	40,000	900	1,875	450	EASTERLY SIDE OF RIO HONDO SOUTHERLY FROM U.P.R.R. (SOUTH OF WHITTIER BOULEVARD) TO SLAUSON AVENUE; WEST SIDE OF RIO HONDO CHANNEL FROM 0.2± MILE ABOVE WHITTIER BOULEVARD SOUTH TO FOSTER BRIDGE BOULEVARD.	CONTROLLED RELEASES FROM SAN GABRIEL CANYON DAMS AND SANTA FE DAM, AND CONTROLLED RELEASES OUT OF WHITTIER NARROWS DAM FROM VALLEY RUNOFF VIA RIO HONDO; ALSO IMPORTED AND RECLAIMED WATER.	IN COOPERATION WITH THE CORPS OF ENGINEERS, THE DISTRICT OPERATES 1000-ACRE-FOOT POOL AT WHITTIER NARROWS DAM FOR RETENTION OF STORM WATERS. FLOCCULENT FACILITY ADDED AT WHITTIER NARROWS DAM IN 1967.
DOMINGUEZ GAP	DEEP BASIN	1957-58	54	31	-	20	254	3	CONTINUES 1.0 MILE SOUTH FROM DEL AMO BOULEVARD, AND BORDERS THE EASTERN AND WESTERN SIDES OF THE LOS ANGELES RIVER.	CONTROLLED FLOW FROM LOS ANGELES RIVER LOW FLOW CHANNEL AND UNCONTROLLED FLOWS FROM STORM DRAINS.	EAST SIDE BASIN USED FOR FLOOD REGULATION WITH SOME CONSERVATION STORAGE. INTAKE OF 20 CFS IS THE FIGURE FOR LOW FLOW DIVERSION FROM THE LOS ANGELES RIVER. THE WEST SIDE BASIN IS FED BY A 42-INCH CONCRETE PIPE FROM THE EAST SIDE BASIN.
WALTERIA SPREADING BASIN	DEEP BASIN	1962-63	26	-	-	-	85	6	WEST SIDE OF HAWTHORNE AVENUE AT 236TH STREET.	LOCAL STORM DRAINS.	BASIN USED FOR FLOOD REGULATIONS WITH SOME CONSERVATION STORAGE.
TOTALS			2,201	1,315.9			8,686.3	1,611			

*THE CAPACITIES LISTED ARE BASED ON INFILTRATION RATES WHICH MAY BE EXPECTED TO PERSIST FOR AT LEAST FIVE DAYS BUT ARE NOT VALID FOR SUSTAINED SPREADING OPERATIONS.

**DESIGN CAPACITY OF MAIN CONCRETE CHANNEL.

***DOES NOT INCLUDE AREA DOWNSTREAM FROM SANTA FE DAM SPILLWAY WHICH IS BEING TESTED TO DETERMINE AREA NECESSARY TO COMPENSATE FOR CAPACITY LOSS DUE TO FREEWAY CONSTRUCTED ACROSS THE SPREADING GROUNDS PROPER.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
SUMMARY OF DATA ON SPREADING FACILITIES
NOT OWNED BY THE DISTRICT
UPDATED THROUGH SEPTEMBER 1975

GROUNDS	TYPE	SEASON FIRST USED	AREA IN ACRES		CAPACITIES				LOCATION	SOURCE OF WATER	REMARKS
			GROSS	WETTED	CHANNEL** CFS	INTAKE CFS	STORAGE A.F.	PERC.* CFS			
GROUNDS IN WHICH DISTRICT DOES CONSTRUCTION, MAINTENANCE, AND SOME OPERATIONS:											
SIERRA MADRE	SHALLOW BASINS	ABOUT 1933	22	9	-	25	47	18	CITY OF SIERRA MADRE, SOUTH SIDE OF GRANDVIEW AVENUE, ONE HALF MILE WEST OF SANTA ANITA AVENUE.	LITTLE SANTA ANITA CREEK AND STREET RUNOFF ONLY PRIOR TO 1951-52. STARTING IN 1951-52 ALSO CONTROLLED FLOWS FROM SANTA ANITA DAM.	NO RECORDS OF WATER SPREAD PRIOR TO 1951-52. GROUNDS REBUILT IN 1951. ULTIMATE CAPACITY ESTIMATED 25 CFS. THREE BASINS ADDED IN SUMMER OF 1959.
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 DUARTE DITCH.	DISTRICT DELIVERS WATER, DOES HYDROGRAPHIC WORK AND SOME CONSTRUCTION. SOME WATER ALSO PERCOLATES IN SAN GABRIEL RIVER IN VICINITY OF SPREADING GROUNDS AND IN BRUSH LAND WHERE IRRIGATION WASTE LINES DISCHARGE. NO SEPARATE RECORDS KEPT PRIOR TO 1926-27.
THOMPSON CREEK	DITCHES CHECKS AND DEEP BASIN	ABOUT 1928	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 ELEV. 1625.	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	-	390	BOTH SIDES OF SAN ANTONIO CREEK. FROM TWO AND ONE HALF MILES ABOVE BASE LINE SOUTHWESTERLY TO BASE LINE.	CONTROLLED RELEASES FROM THE SAN ANTONIO FLOOD CONTROL DAM.	HELD UNDER EASEMENT BY THE DISTRICT, OPERATED BY POMONA VALLEY PROTECTIVE ASSOCIATION. WEST SIDE OF CHANNEL 500 ACRES. EAST SIDE OF CHANNEL 98 ACRES. IN ADDITION THERE ARE 207 ACRES EAST OF CHANNEL IN SAN BERNARDINO COUNTY; WATER SPREAD IN VICINITY ON AND OFF AS EARLY AS ABOUT 1896.
TOTALS			679		-	-	-	362			
GROUNDS CONTROLLED BY OTHERS. THE DISTRICT COOPERATING:											
CITY OF POMONA	DITCHES CHECKS AND SHALLOW BASINS	(SEE REMARKS)	10	8	-	-	-	-	NORTH OF CLAREMONT, ONE HALF MILE NORTH OF FOOTHILL BOULEVARD AND 1 8 MILE WEST OF MILLS AVENUE.	SAN ANTONIO CREEK WATER DELIVERED THROUGH LOOP MERSERVE CANYON WATER CO'S. PIPE LINE. ALSO SOME LOCAL RUNOFF.	WATER SPREAD IN VICINITY ON AND OFF SINCE ABOUT 1897. GROUND ACQUIRED BY CITY OF POMONA, OCTOBER 1926. NO RECORD OF WATER SPREAD PRIOR TO 1949-50. DEEP BASIN COMPLETED IN 1957.
L.A. CITY DEPT. OF WATER & 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.
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. GROUND WATER FROM WELLS IN THE WEST END OF SAN FERNANDO VALLEY.	CRYSTAL SPRINGS INFILTRATION AREA, NOT REGULAR SPREADING GROUNDS. WATER PUMPED OUT FROM COLLECTING GALLERIES UNDER AREA. IN OCTOBER 1958 A 130-FOOT COLLAPSIBLE RUBBER DAM WAS INSTALLED ACROSS LOS ANGELES RIVER.
TOTALS			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 1975

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	8,544	0	2,670	(C)	3,024	(D)	33,542	40
41		(C)		45,618	13,298	563	28,093	(C)	3,446	(D)	91,018	41
42		(C)		21,392	8,241	0	83	(C)	11,290	(D)	41,006	42
43		(C)		24,502	7,702	505	26,000	(C)	12,134	(D)	70,843	43
44		(C)		31,130	9,820	27	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	12,381	3,026	0	6,278	81,594	58
59	343	14		24,558	6,176 (A)	0	0	2,820	0	9,045	42,956	59
60	43	2		6,111	(E)	0	0	963	0	8,040	15,159	60
61	41	2		2,534		0	0	12	0	6,121	8,710	61
62	1,313	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	36,592	63
64	427	54		12,785		0	0	70	0	11,312	24,648	64
65	905	99		17,463		0	[illegible]	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	956	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	6,804	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
TOTALS	33,613	5,483	48,098	949,540	252,772	2,419	238,266	16,925	234,742	287,752	2,069,610	TOTALS

(A) Beginning in 1958-59, this excludes canyon water spread at Ben Lomond.

(B) Operated by Pomona Valley Protective Association.

(C) Water spread, no records kept.

(D) Daily measurements made. Total volume not computed.

(E) East Side Water Committee discontinued keeping records as of 1959-60 season. 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
SUMMARY OF WATER SPREAD AT GROUNDS
OWNED AND OPERATED BY THE DISTRICT
UPDATED THROUGH SEPTEMBER 1975

RECORD OF LOCAL WATER SPREAD
ACRE - FEET

	SAN FERNANDO VALLEY				SAN GABRIEL VALLEY – FOOTHILLS									
SEASON	LOPEZ	PACOIMA	HANSEN	BRANFORD	ARROYO SECO	EATON S.G.	SANTA ANITA	SAWPIT	SAN GABRIEL CANYON*	LITTLE DALTON	BIG DALTON	LIVE OAK	SUBTOTAL	SEASON
1930-31											10		10	1930-31
32										160	394		554	32
33		26								0	0		26	33
34		230								0	100		330	34
35		1,200								0	131		1,331	35
36		2,000								0	0		2,000	36
37		4,680								275	866		5,821	37
38		3,844								287	397		4,528	38
39		363								12	49		424	39
40		907								0	0		907	40
41		9,775								1,166	1,528		12,469	41
42		37								0	0		37	42
43		3,744								1,084	1,191		6,019	43
44		7,223								469	543		8,235	44
45		1,467	7,551				337			290	64		9,809	45
46		514	2,268				0			73	47		2,902	46
47		3,763	8,725				141	89		89	174		12,981	47
48		0	0			1	0	0		0	0		1	48
49		0	0		108	0	0	8		0	88		204	49
50		245	0		283	61	0	0		28	66		683	50
51		0	0		19	0	0	19		0	0		38	51
52		6,121	16,780		986	1,196	448	517		563	856		27,467	52
53		1,651	1,271		216	0	56	56		9	3		3,264	53
54		1,891	1,014		455	190	265	0		161	370		4,346	54
55		205	0		197	0	145	0		0	0		547	55
56	0	566	2	0	301	181	161	180		30	180		1,601	56
57	28	475	0	38	397	0	2	38		11	16		1,005	57
58	1,030	10,922	13,407	20	2,088	861	1,576	978		658	2,380		28,920	58
59	0	352	1,023	+	352	130	185	199		22	145		2,408	59
60	0	379	0	6±	0	0	810	38		0	0		1,233	60
61	0	78	0	183	0	0	304	29		0	27	0	621	61
62	673	5,635	12,570	402	1,103	1,021	664	547		394	1,212	38	24,259	62
63	52	643	0	415	249	7	449	126		43	77	+	2,061	63
64	212	1,206	0	376	317	24	327	135		18	165	0	2,780	64
65	0	1,199	0	563	744	324	575	161		100	193	0	3,859	65
66	1,020	11,701	19,806	391	1,036	2,000	1,641	1,367		987	2,063	89	42,101	66
67	1,472	22,800	31,383	623	1 828	1,450	1,563	2,456		1,846	3,766	330	69,519	67
68	1,938	1,819	9,836	339	855	305	638	790		187	848	0	17,555	68
69	893	14,262	32,464	461	609	3,249	494	321		335	2,074	803	55,965	69
70	0	1,577	11,927	724	195	483	1,415	769	19,583	220	562	45	37,500	70
71	727	4,049	11,657	507	644	583	234	529	14,037	226	888	0	34,181	71
72	0	1,112	1,932	191	173	0	31	216	6,481	23	44	0	10,204	72
73	0	6,343	11,755	430	1,214	1,689	732	1,396	13,428	484	1,253	88	38,812	73
74	946	2,378	6,287	285	1,478	1,581	427	1,043	14,233	136	1,130	0	29,924	74
75	915	2,476	5,423	667	664	337	59	808	15,225	46	237	13	26,870	75
TOTALS	9,906	139,859	212,181	6,621	16,511	15,673	13,781	12,817	82,987	10,432	24,137	1,406	546,311	TOTALS

*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 1975

RECORD OF LOCAL WATER SPREAD
ACRE - FEET

	MAIN SAN GABRIEL VALLEY											COASTAL PLAIN						
SEASON	EATON S.B.	PECK ROAD S.B.	BUENA VISTA S.B.	SANTA FE S.G.	IRWINDALE S.B. (A)	CITRUS S.G.	BEN LOMOND S.G.	WALNUT S.B.	SAN DIMAS CANYON S.G. (B)	FORBES S.B. SAN DIMAS S.D. (C)	SAN GABRIEL SYSTEM UPPER (D)	SAN GABRIEL SYSTEM LOWER (E)	RIO HONDO, SYSTEMS (F)	LAGUNA S.B.	WALTERIA S.B.	DOMINGUEZ S.B.	TOTAL	SEASON
1930-31																	10	1930-31
32																	554	32
33																	26	33
34																	330	34
35																	1,331	35
36																	2,000	36
37																	5,821	37
38													3,660				8,188	38
39												2,603	0				3,027	39
40												0	1,702				2,609	40
41												4,684	9,830				26,983	41
42												0	2,170				2,207	42
43												0	0				6,019	43
44												0	0				8,235	44
45												0	0				9,809	45
46												0	9,548				12,450	46
47												384	4,842				18,207	47
48												0	3,760				3,761	48
49												0	0				204	49
50												0	0				683	50
51												0	0				38	51
52												5,412	400				33,279	52
53												4,023	3,368				10,655	53
54				3,500								4,859	4,621				17,326	54
55			10	0								9,518	0				10,075	55
56	0		227	0								5,869	1,924				9,621	56
57	260		817	0								7,789	7,486				17,357	57
58	1,236		2,730	12,752								46,474	30,407			107	132,626	58
59	441		1,087	181	242 (A)		1,431					16,009	5,464			37	27,350	59
60	501	986	1,234	59	934 (A)		1,055					7,669	7,266			80	21,017	60
61	165	478	700	30	256	1,133	732					4,874	2,960			360	12,309	61
62	902	8,876	869	11,818	1,817	2,194	2,857	292	50			19,932	17,120	0		2,414	93,400	62
63	532	1,895	273	121	593	1,292	2,428	367	286			5,405	4,464	+	289	1,406	21,412	63
64	869	1,841	195	120	1,126	906	1,008	502	62	5		3,979	5,531	+	135	544	19,603	64
65	1,007	2,490	945	6,287	2,121	1,287	1,435	0	3	331		4,481	7,975	+	244	1,248	33,713	65
66	783	13,018	854	23,502	3,317	4,010	3,799	1,412	2,413	0	45,730	14,437	24,325	+	537	803	181,041	66
67	1,046	17,914	2,192	73,910	6,792	1,064	6,444	2,147	2,099	1,199	51,160	22,392	28,854	+	436	373	287,541	67
68	605	2,616	262	17,501	4,603	0	5,096	1,201	2,150	0	1,784	11,875	25,166	+	468	274	91,186	68
69	1,104	7,543	2,231	42,523	7,339	0	3,447	2,016	4,836	0	55,585	50,340	69,056	+	525	375	302,885	69
70	233	4,044	299	8,396	490	0	5,912	1,120	2,604	0	18,368	28,247	24,671	-	152	187	132,323	70
71	0	3,954	397	14,016	313	0	3,018	532	1,490	0	9,275	20,389	24,368	+	272	1,521	113,716	71
72	359	1,555	195	4,443	879	0	1,414	233	484	0	3,990	6,726	10,964	+	165	1,109	42,720	72
73	1,158	6,460	502	43,943	2,796	0	5,109	669	1,318	0	22,327	12,016	33,061	+	435	1,074	169,680	73
74	1,096	5,395	386	18,737	1,624	0	3,936	547	1,052	0	7,379	9,169	20,627	+	206	610	100,688	74
75	527	2,476	184	4,151	1,310	0	1,286	612	786	686	5,781	10,360	19,305	+	577	1,130	76,041	75
TOTALS	12,924	81,541	16,579	285,990	36,552	11,886	50,407	11,650	19,663	2,221	221,379	339,915	414,895	+	4,441	13,702	2,070,056	TOTALS

(A) Includes Metropolitan Water District water purchased under contract with San Gabriel Valley Labor Association.

(B) San Dimas Canyon water spread prior to 1965-66 in temporary development below Puddingstone Diversion.

(C) San Dimas Spreading development inoperative after 1968 - 69 water year.

(D) San Gabriel River from Santa 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.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
DISTRIBUTION OF PURCHASED WATER
THROUGH SEPTEMBER 1975

IMPORTED WATER (ACRE-FEET)

SEASON	WATER FOR UPPER SAN GABRIEL VALLEY				WATER FOR COASTAL PLAIN				TOTAL IMPORTED	SEASON
	SANTA FE SPREADING GROUNDS	SAN GABRIEL RIVER CANYON (a)	SAN GABRIEL SYSTEM UPPER	SUBTOTAL	MAIN SAN GABRIEL BASIN (b)	SAN GABRIEL SYSTEM LOWER	RIO HONDO SYSTEM (d)	SUBTOTAL		
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					12,419	38,798	29,411	80,627	80,627	63
64					18,830	40,150	45,917	104,897	104,897	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	17,105	20,813	46,322	84,240	114,111	67
68			22,170	22,170	16,487	12,402	66,501	95,390	117,560	68
69			18,567	18,567	443	4,895	12,442	17,780	36,347	69
70			0	0	7,901	35,164	25,800	68,865	68,865	70
71			0	0	9,133	21,211	41,802	72,146	72,146	71
72	2,312	604	0	2,916	4,546	14,491	15,413	34,450	37,366	72
73	5,477	1,611	0	7088	11,285	32,823	47,712	91,820	98 908	73
74	12,376	5,370	0	17,746	12,452	33,771	45,848	92,071	109,817	74
75	17,885	9,439	0	27,324	3,553	32,974	34,234	70,761	98,085	75
TOTALS	38,050	17,024	95,608	150,682	307,826	655,164	892,374	1,855,364	2,006,046	

(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.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
DISTRIBUTION OF PURCHASED WATER
THROUGH SEPTEMBER 1975

	RECLAIMED WATER (ACRE-FEET)					DISTRIBUTED WATER (a)	FINANCED BY				
	WHITTIER NARROWS PLANT			SAN JOSE PLANT							
SEASON	SAN GABRIEL SYSTEM LOWER	RIO HONDO SYSTEM (b)	SUBTOTAL	SAN GABRIEL SYSTEM LOWER	TOTAL RECLAIMED(c)	TOTAL	ZONE I	C&WBWRD	USGVMWD	SGVMWD	SEASON
1953-54						30,600	30,032				1953-54
55						23,250	24,764				55
56						50,730	54,539				56
57						53,740	50,030				57
58						105,112	105,112				58
59						54,420	54,420				59
60						80,636	80,926				60
61						146,996	80,807	66,374			61
62	0	1,178	1,178		1,178	209,306	39,492	169,814			62
63	0	12,405	12,405		12405	93,032	4,780	88,252			63
64	4,145	9,115	13,260		13,260	118,157	0	118,157			64
65	4,866	9,662	14,528		14,528	193,133	75,456	99,196	12,400		65
66	3,130	11,926	15,056		15,056	150,156	67,813	68,903	19,100(d)		66
67	2,105	14,119	16,224		16,224	130,335	74,060	26,404	29,871		67
68	1,975	16,300	18,275		18,275	135,835	66,591	47,074	22,170		68
69	7,772	6,105	13,877		13,877	50,224	12,529	19,128	18,567		69
70	3,683	13,474	17,157		17,157	86,022	25,792	60,230	0		70
71	8,367	11,128	19,495		19,495	91,641	46,726	44,915	0		71
72	4,959	12,584	17,543		17,543	54,909	0	51,993	2,916		72
73	1,440	12,238	13,678	8,327	22,005	120,913	0	113,825	7,088		73
74	2,560	10,877	13,437	7,956	21,393	131,210	0	113,464	17,421		74
75	877	13,799	14,676	7,207	21,383	119,968	0	92,644	24,611	2,713	75
TOTALS	45,879	154,910	200,789	23,490	224,279	2,230,325	893,869	1,180,373	154,144	2,713	TOTALS

(a) Differences between water distributed and water financed due to the following:

1. Water temporarily held in storage at Puddingstone Reservoir from one water year to the next.
2. Losses in Puddingstone Reservoir.
3. District records are based on 12 midnight readings, amounts shown under Financing Column are based on meter readings taken during normal working hours.
4. Includes unidentifiable minor losses.

(b) Rio Hondo Spreading Grounds and Whittier Narrows Reservoir.

(c) All reclaimed water purchased by Central and West Basin Water Replenishment District.

(d) 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.

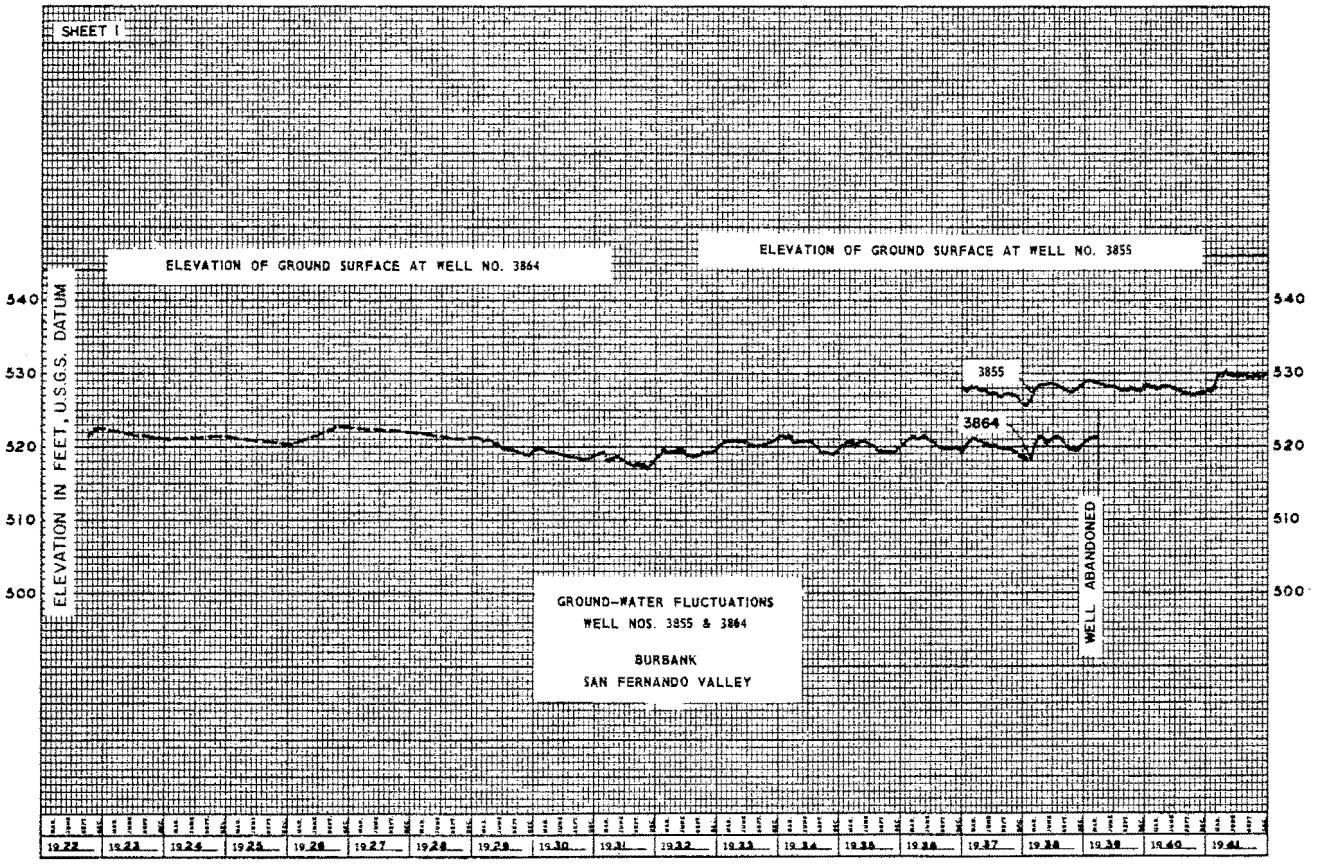
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
SUMMARY OF WATER INJECTED AT BARRIER PROJECTS
UPDATED THROUGH SEPTEMBER 1975

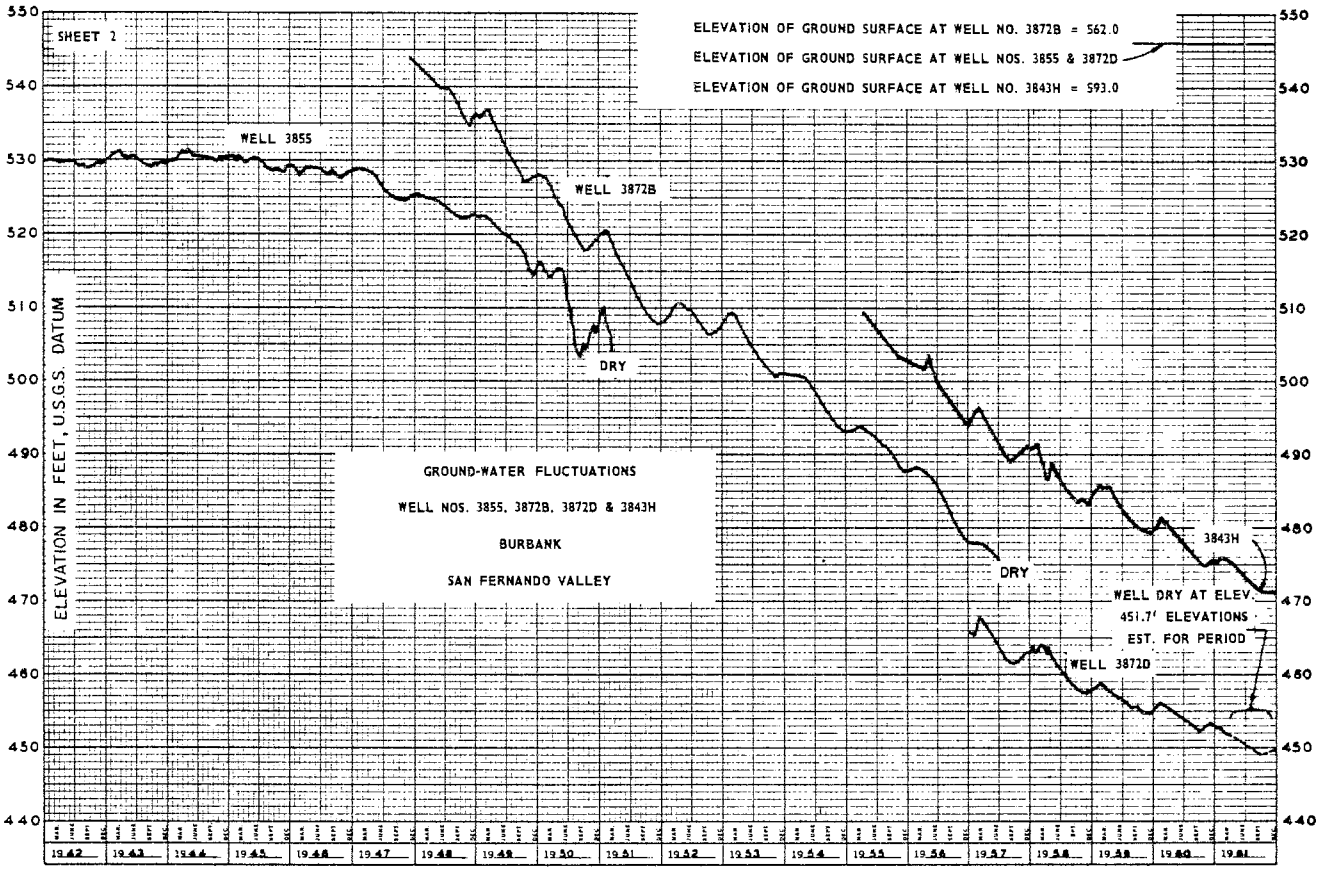
		WEST COAST BASIN BARRIER PROJECT				ALAMITOS BARRIER PROJECT			DOMINGUEZ GAP BARRIER PROJECT			
WATER YEAR	STATE APPROPRIATION	C & WBWRD	WBWA	ZONE II	TOTAL WCBBP	C & WBWRD	OCWD	TOTAL ABP	C & WBWRD	ZONE II	TOTAL DGBP	TOTAL ALL PROJECTS
1952-53	1,141*				1,141							1,141
54	761*		1,673	856	3,290							3,290
55				2,744	2,744							2,744
56				2,840	2,840							2,840
57				3,592	3,592							3,592
58				4,331	4,331							4,331
59				3,695	3,695							3,695
60				3,804	3,804							3,804
61		2,944		1,532	4,476							4,476
62		4,512			4,512							4,512
63		4,194			4,194							4,194
64		10,450			10,450							10,450
65		33,015			33,015	2,758	198	2,956				35,971
66		44,388			44,388	3,368	347	3,715				48,103
67		32,658		10,402	43,060	3,395	485	3,880				46,940
68		6,127		33,456	39,583	4,214	735	4,949				44,532
69		3,981		32,435	36,416	4,310	945	5,255				41,671
70		6,627		22,834	29,461	3,757	724	4,481				33,942
71		16,519		13,348	29,867	3,309	823	4,132	852	1,346	2,198	36,197
72		26,491			26,491	4,061	933	4,994	9,551		9,551	41,036
73		28,148			28,148	4,299	881	5,180	8,468		8,468	41,796
74		27,541			27,541	6,138	1,149	7,287	7,829		7,829	42,657
75		26,434			26,434	4,443	716	5,159	5,161		5,161	36,754
TOTAL	1,902	274,029	1,673	135,869	413,473	44,052	7,936	51,988	31,861	1,346	33,207	498,668

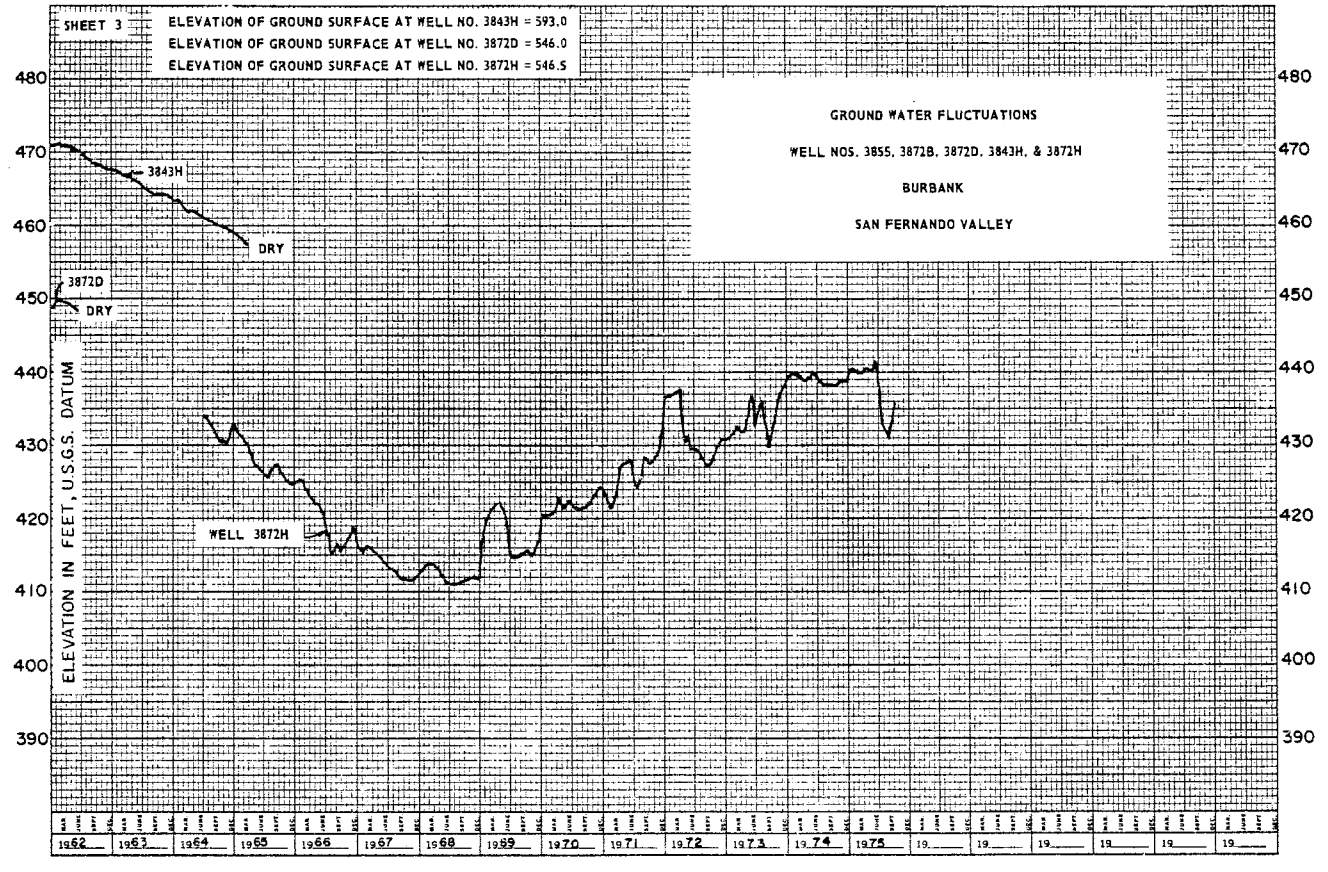
* FUNDS PROVIDED FOR WEST COAST BASIN EXPERIMENT PROJECT BY STATE WATER RESOURCES BOARD.

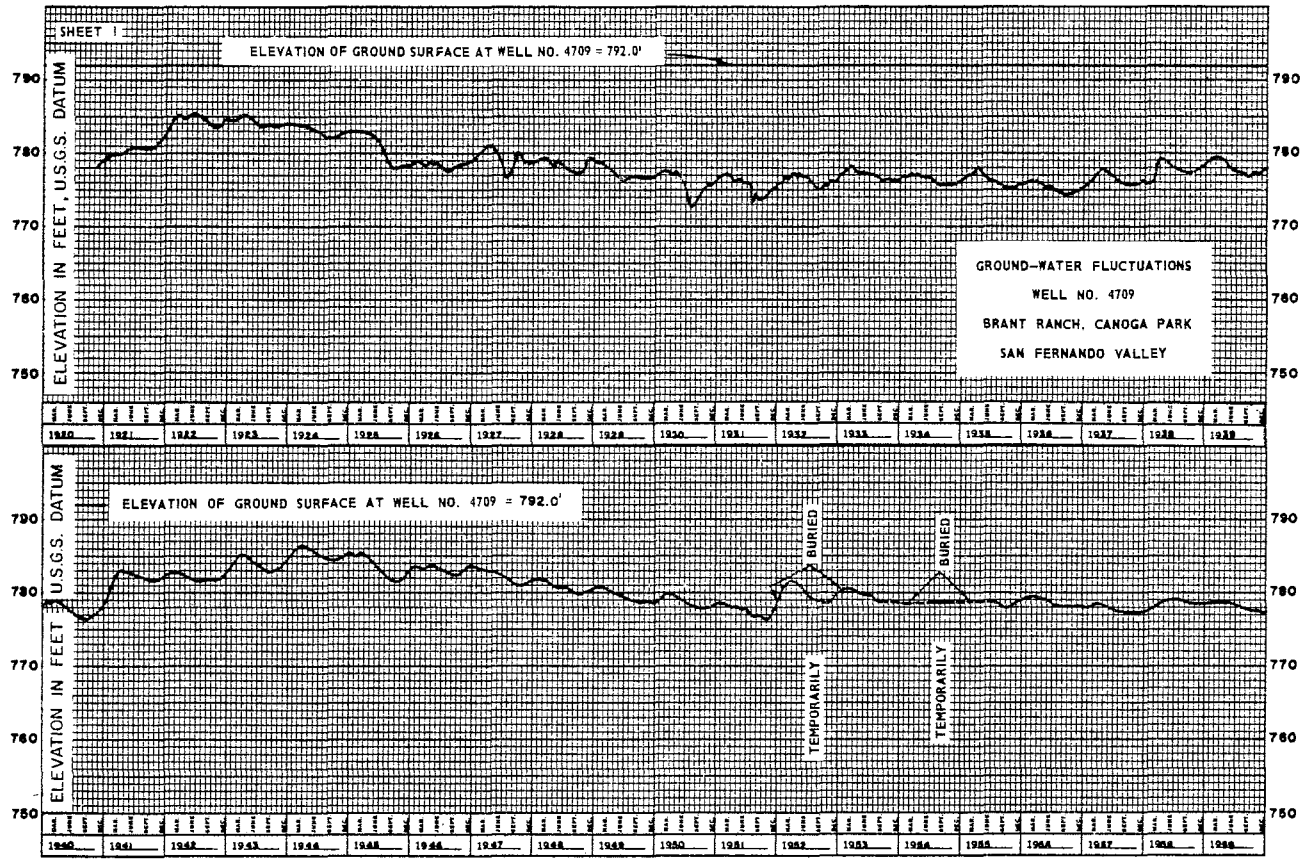
WELL HYDROGRAPHS INCLUDED IN THIS REPORT

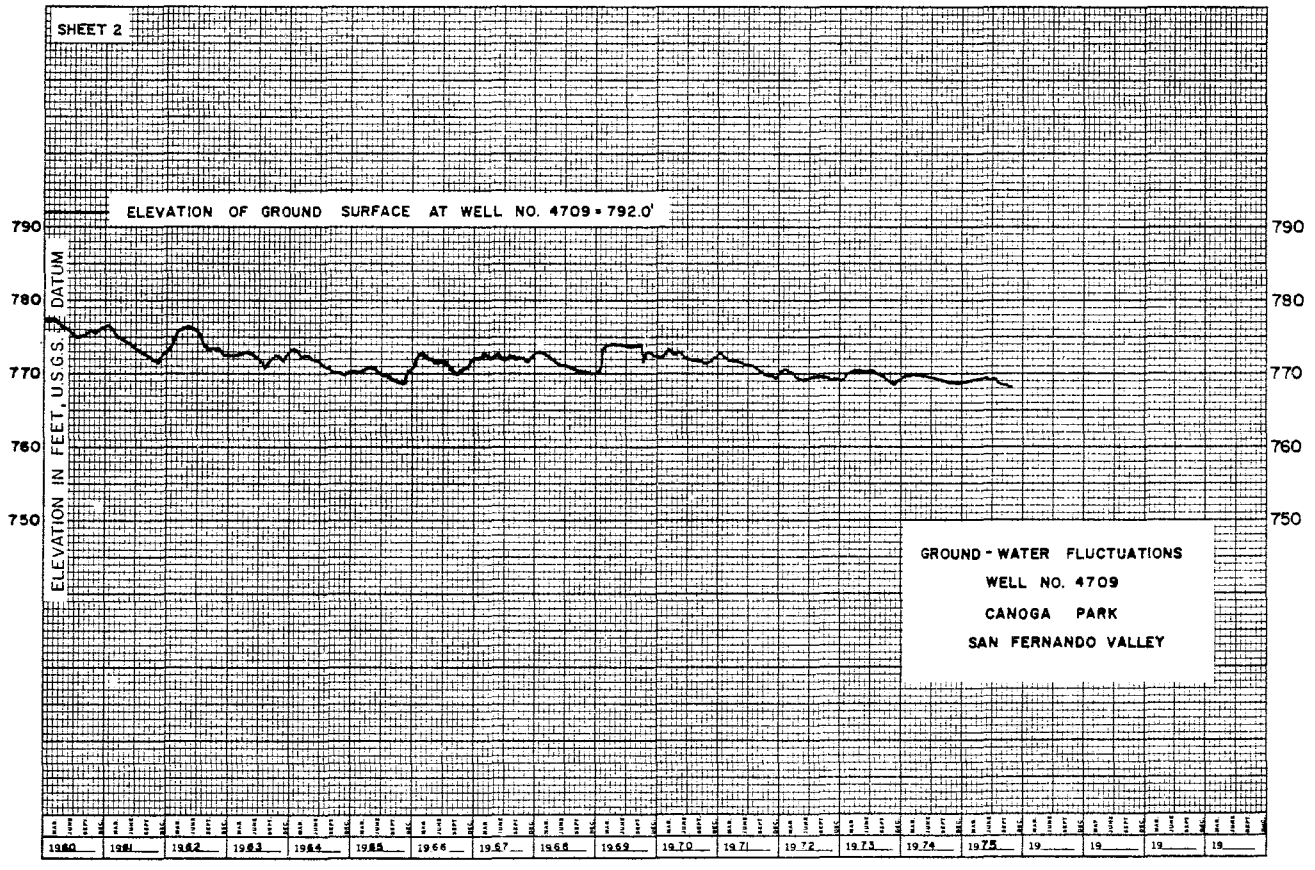
* WELL LISTED IS THAT WELL CURRENTLY BEING MEASURED AT THE LOCATION DESCRIBED.

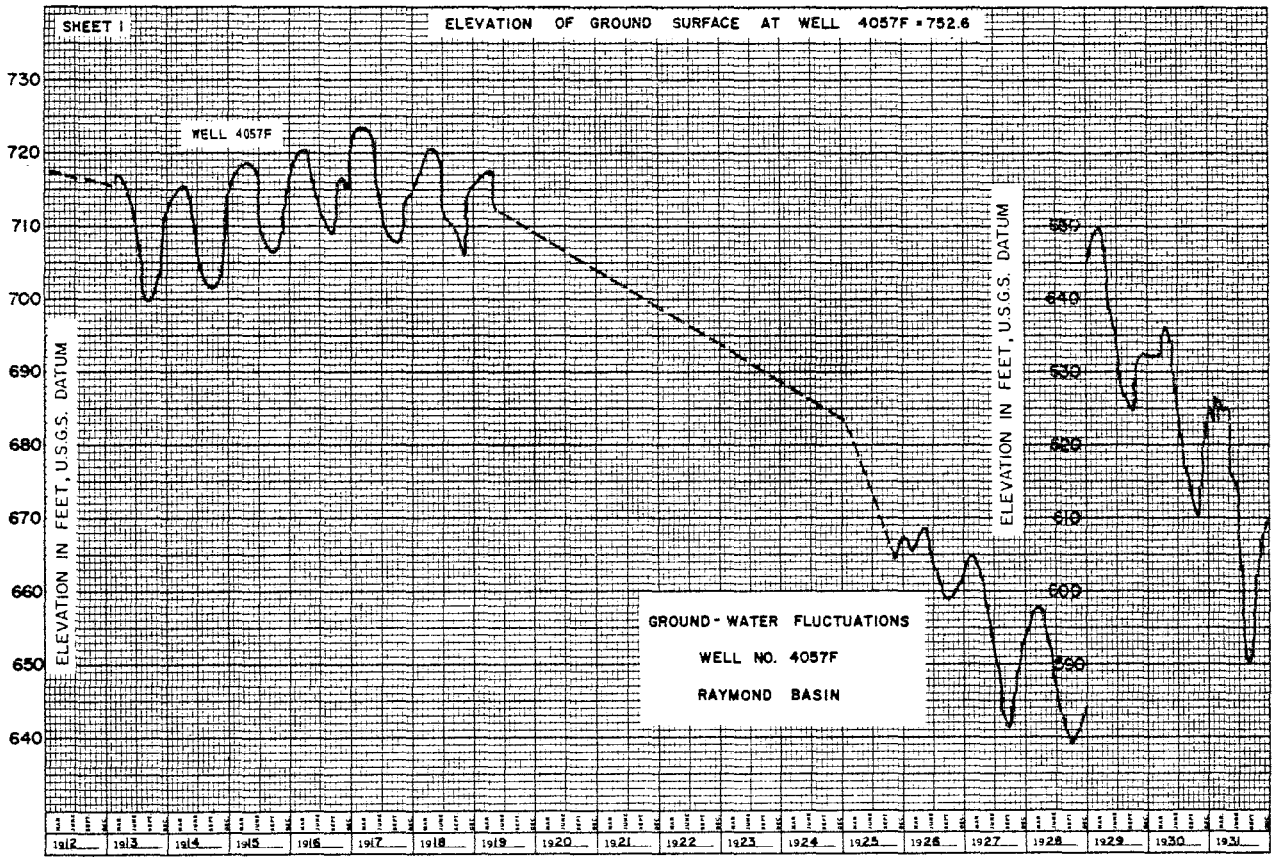


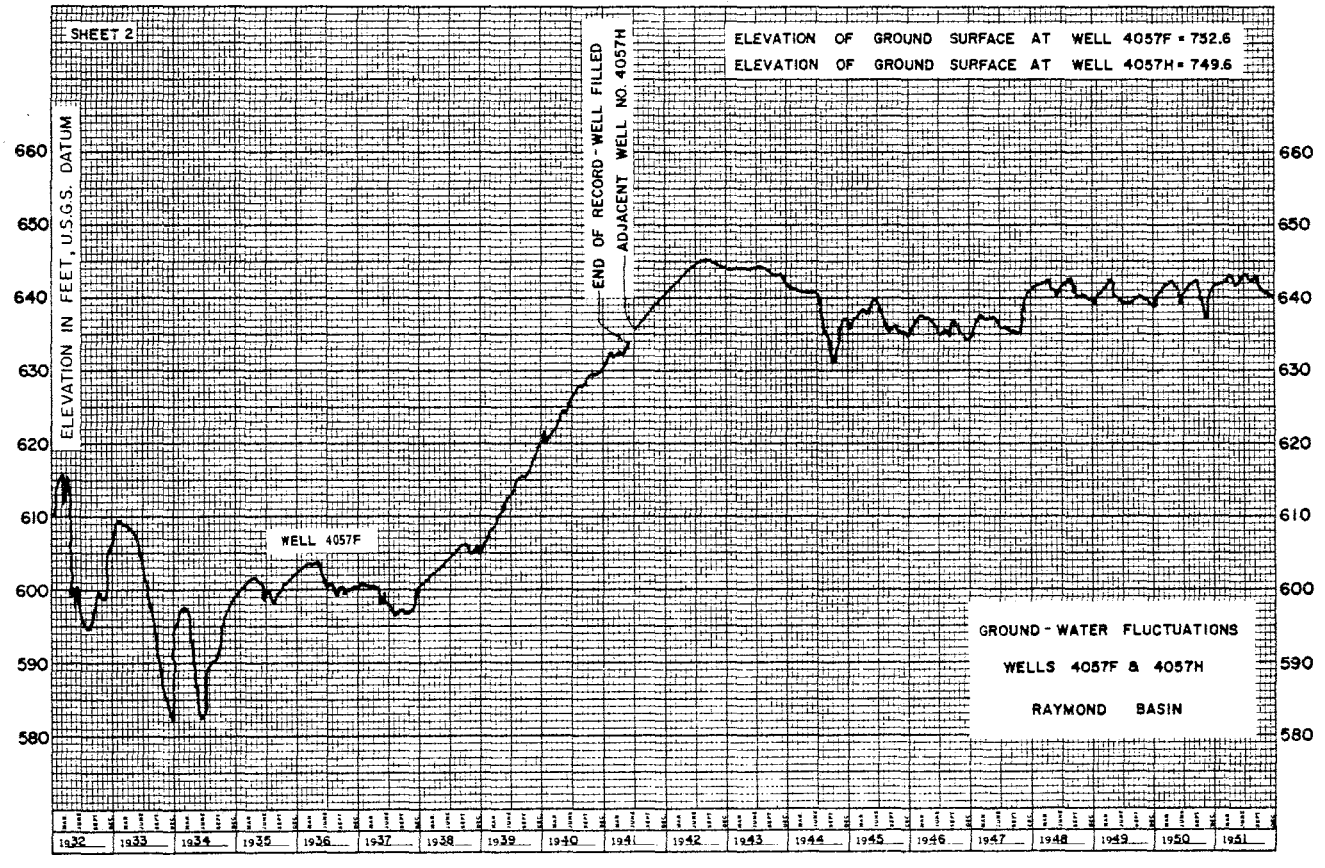

SHEET 2
ELEVATION OF GROUND SURFACE AT WELL NO. 3872B = 562.0
ELEVATION OF GROUND SURFACE AT WELL NOS. 3855 & 3872D
ELEVATION OF GROUND SURFACE AT WELL NO. 3843H = 593.0
WELL 3855
WELL 3872B
DRY
DRY
3843H
WELL DRY AT ELEV. 451.7' ELEVATIONS EST. FOR PERIOD
WELL 3872D
GROUND-WATER FLUCTUATIONS
WELL NOS. 3855, 3872B, 3872D & 3843H
BURBANK
SAN FERNANDO VALLEY
ELEVATION IN FEET, U.S.G.S. DATUM
550
540
530
520
510
500
490
480
470
460
450
440
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975

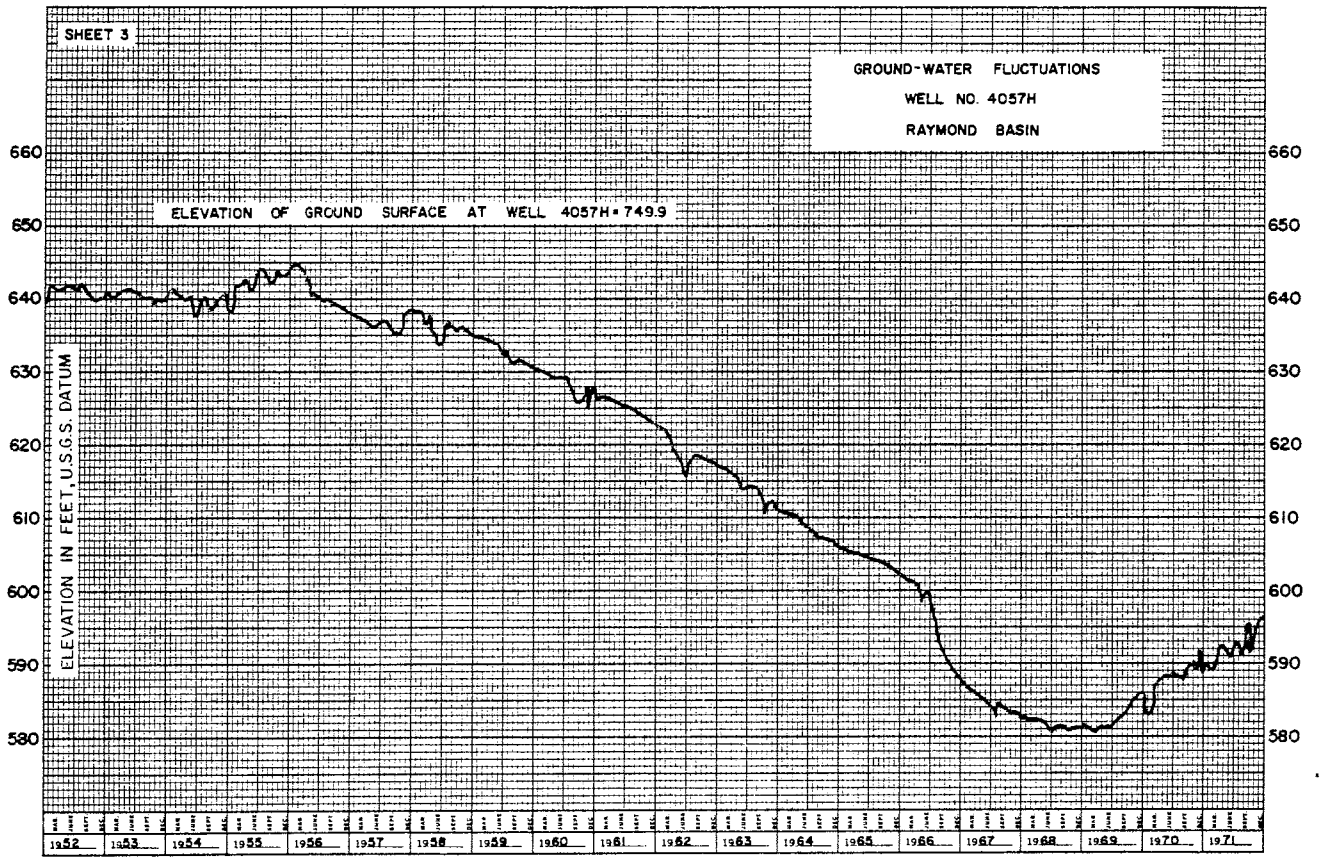

SHEET 3
ELEVATION OF GROUND SURFACE AT WELL NO. 3843H = 593.0
ELEVATION OF GROUND SURFACE AT WELL NO. 3872D = 546.0
ELEVATION OF GROUND SURFACE AT WELL NO. 3872H = 546.5
GROUND WATER FLUCTUATIONS
WELL NOS. 3855, 3872B, 3872D, 3843H, & 3872H
BURBANK
SAN FERNANDO VALLEY
3843H
DRY
3872D
DRY
WELL 3872H
ELEVATION 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

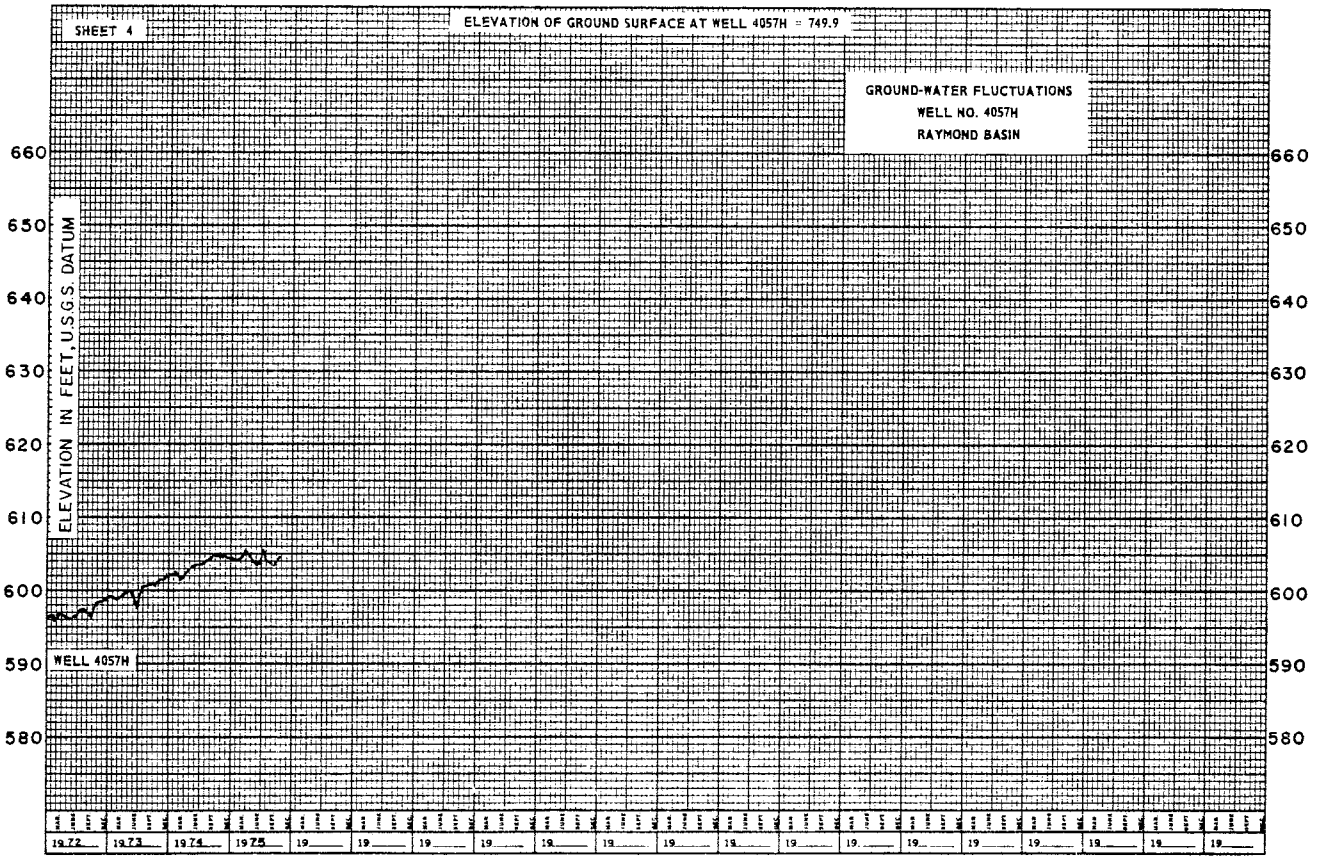

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL NO. 4709 = 792.0'
ELEVATION IN FEET, U.S.G.S. DATUM
790
780
770
760
750
GROUND-WATER FLUCTUATIONS
WELL NO. 4709
BRANT RANCH, CANOGA PARK
SAN FERNANDO VALLEY
1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939
ELEVATION OF GROUND SURFACE AT WELL NO. 4709 = 792.0'
ELEVATION IN FEET U.S.G.S. DATUM
TEMPORARILY BURIED
TEMPORARILY BURIED
1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959

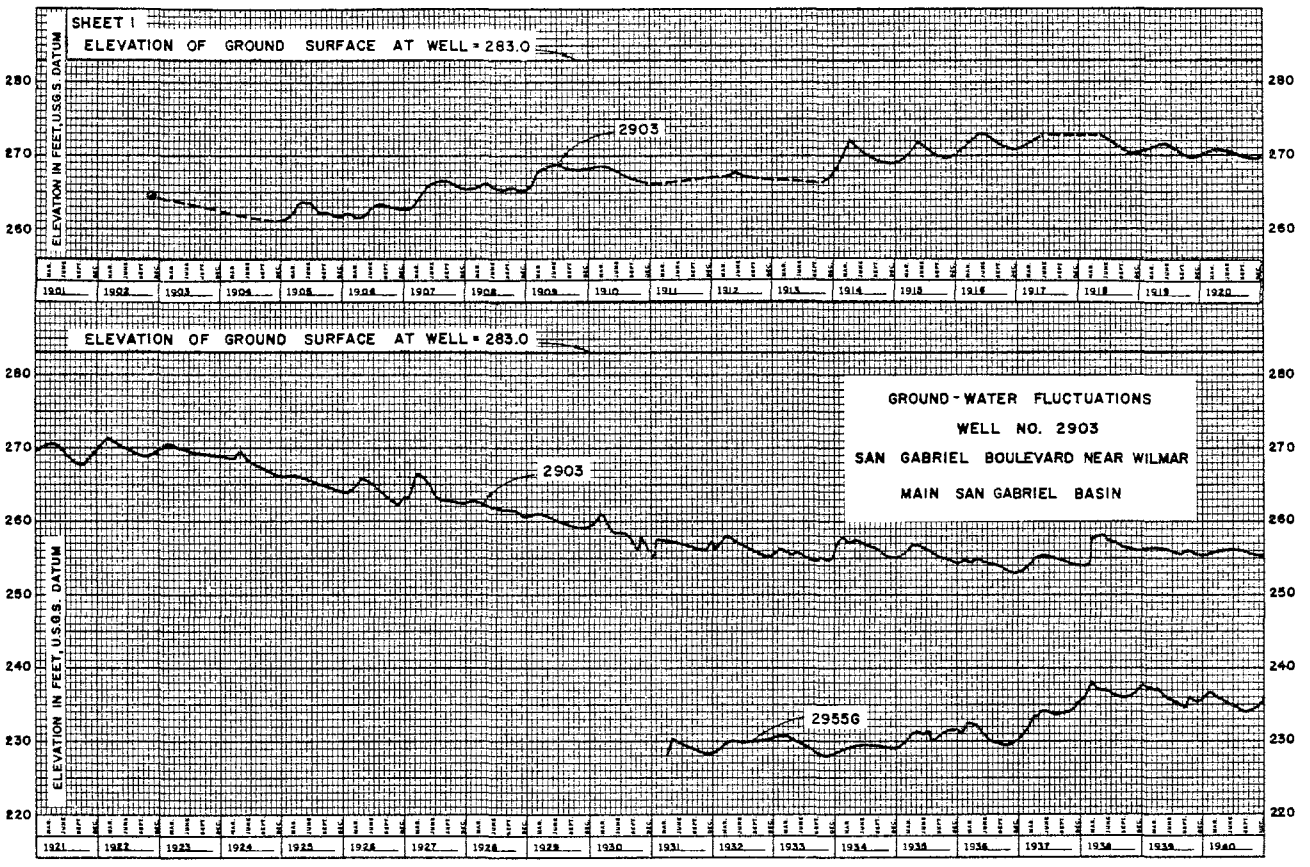

SHEET 2
ELEVATION OF GROUND SURFACE AT WELL NO. 4709 = 792.0'
ELEVATION IN FEET, U.S.G.S. DATUM
790
780
770
760
750
GROUND - WATER FLUCTUATIONS
WELL NO. 4709
CANOGA PARK
SAN FERNANDO VALLEY
1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 19 19 19 19

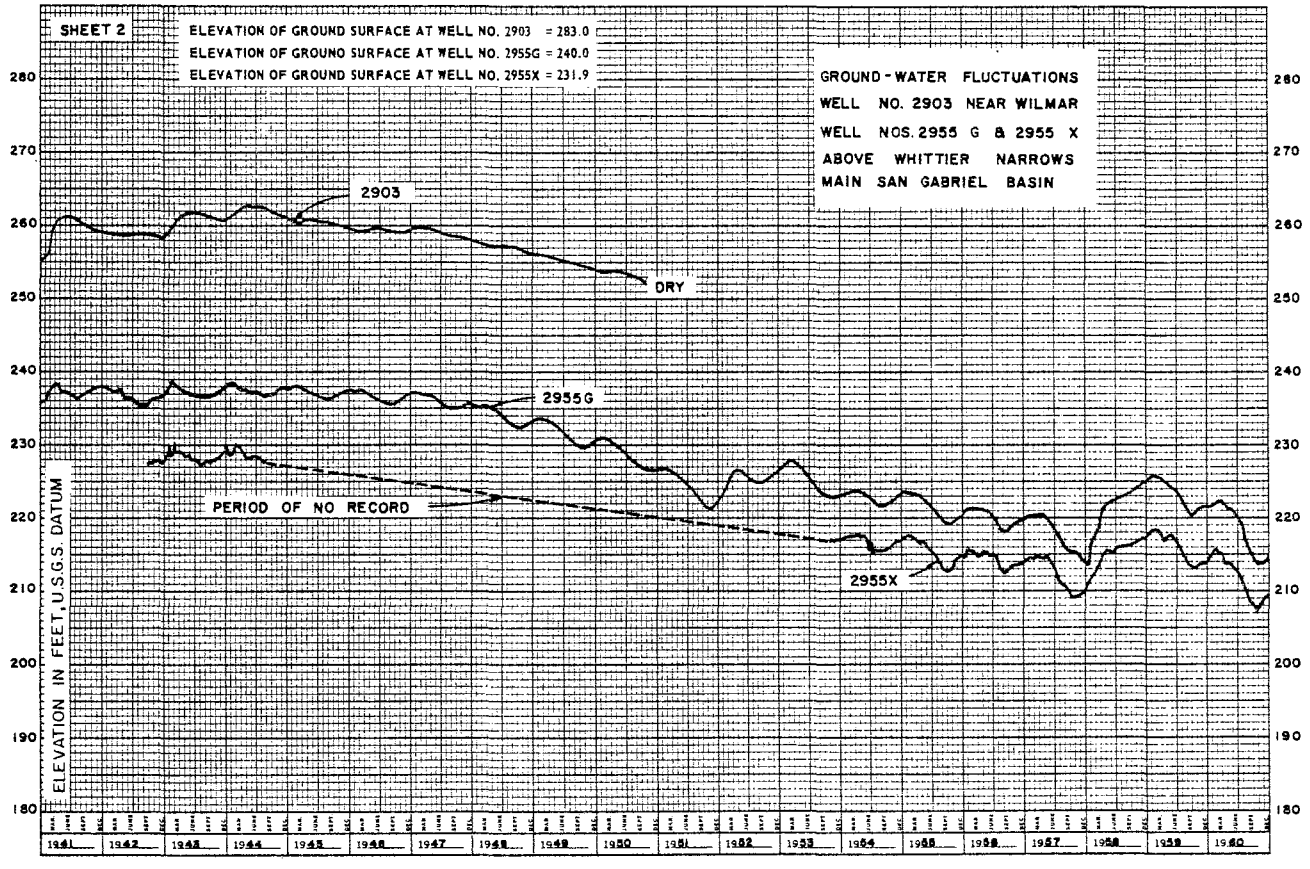

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL 4057F = 752.6
WELL 4057F
ELEVATION IN FEET, U.S.G.S. DATUM
730
720
710
700
690
680
670
660
650
640
ELEVATION IN FEET, U.S.G.S. DATUM
640
630
620
610
600
590
GROUND-WATER FLUCTUATIONS
WELL NO. 4057F
RAYMOND BASIN
1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931

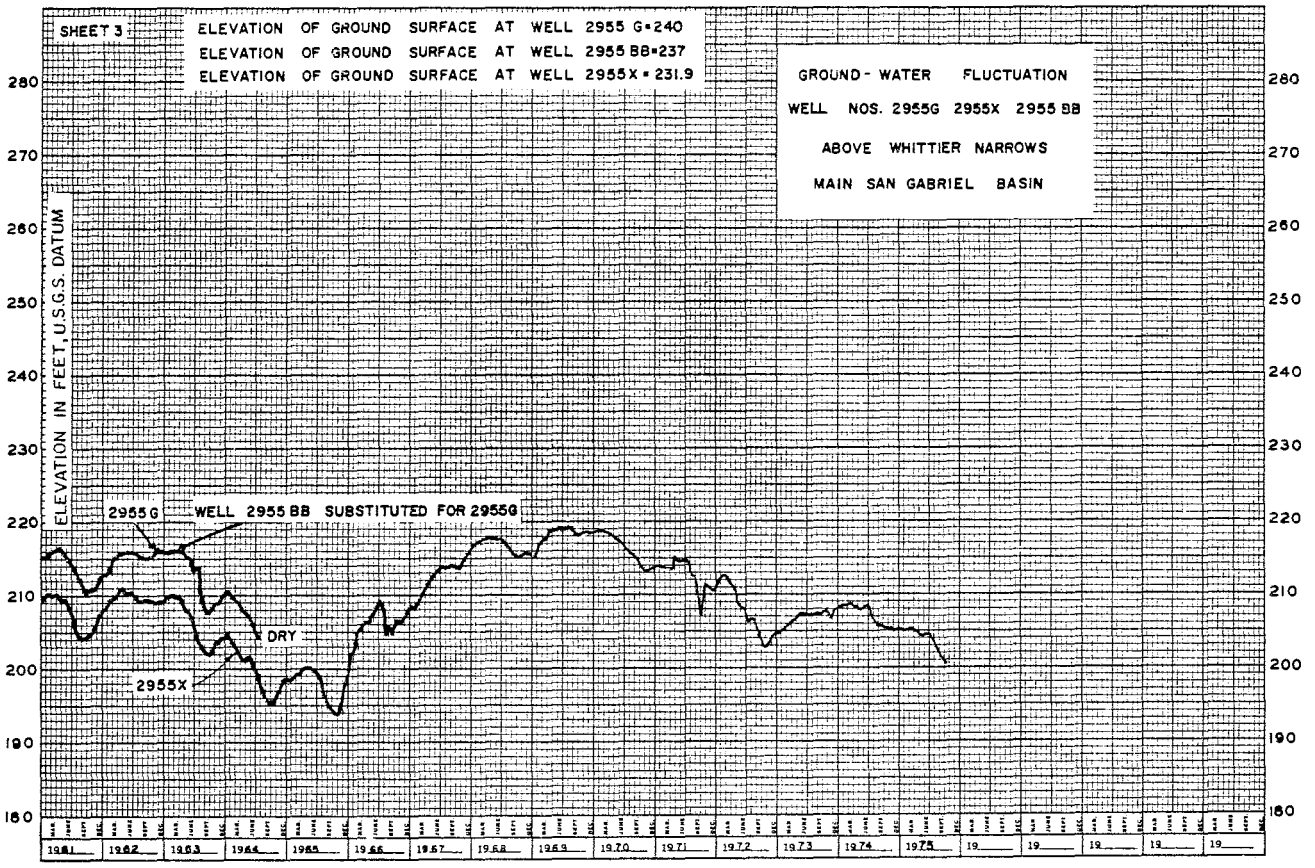

SHEET 2
ELEVATION OF GROUND SURFACE AT WELL 4057F = 752.6
ELEVATION OF GROUND SURFACE AT WELL 4057H = 749.6
END OF RECORD - WELL FILLED
ADJACENT WELL NO. 4057H
WELL 4057F
ELEVATION IN FEET, U.S.G.S. DATUM
660
650
640
630
620
610
600
590
580
GROUND-WATER FLUCTUATIONS
WELLS 4057F & 4057H
RAYMOND BASIN
1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951

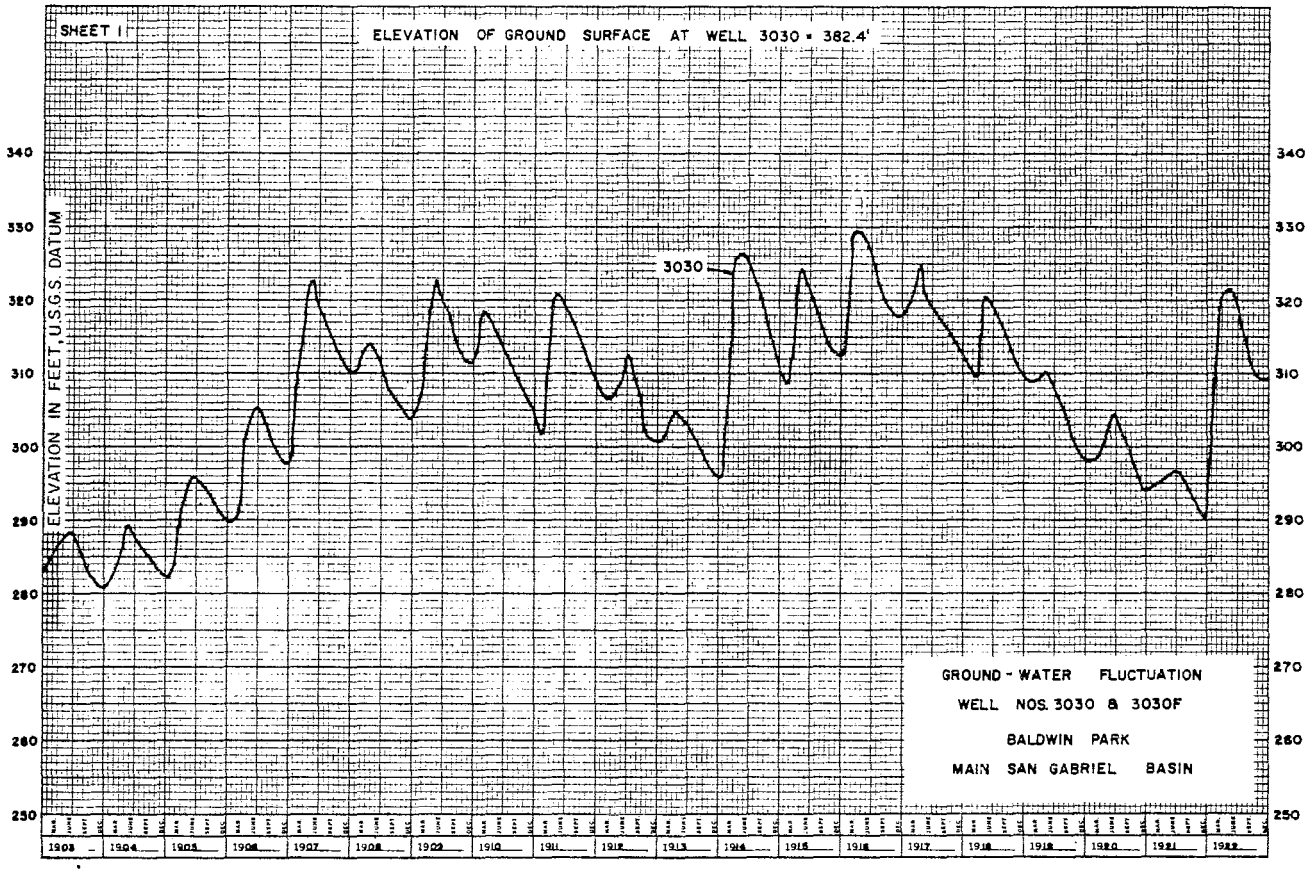

SHEET 3
GROUND-WATER FLUCTUATIONS
WELL NO. 4057H
RAYMOND BASIN
ELEVATION OF GROUND SURFACE AT WELL 4057H = 749.9
ELEVATION IN FEET, U.S.G.S. DATUM
660
650
640
630
620
610
600
590
580
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970
1971

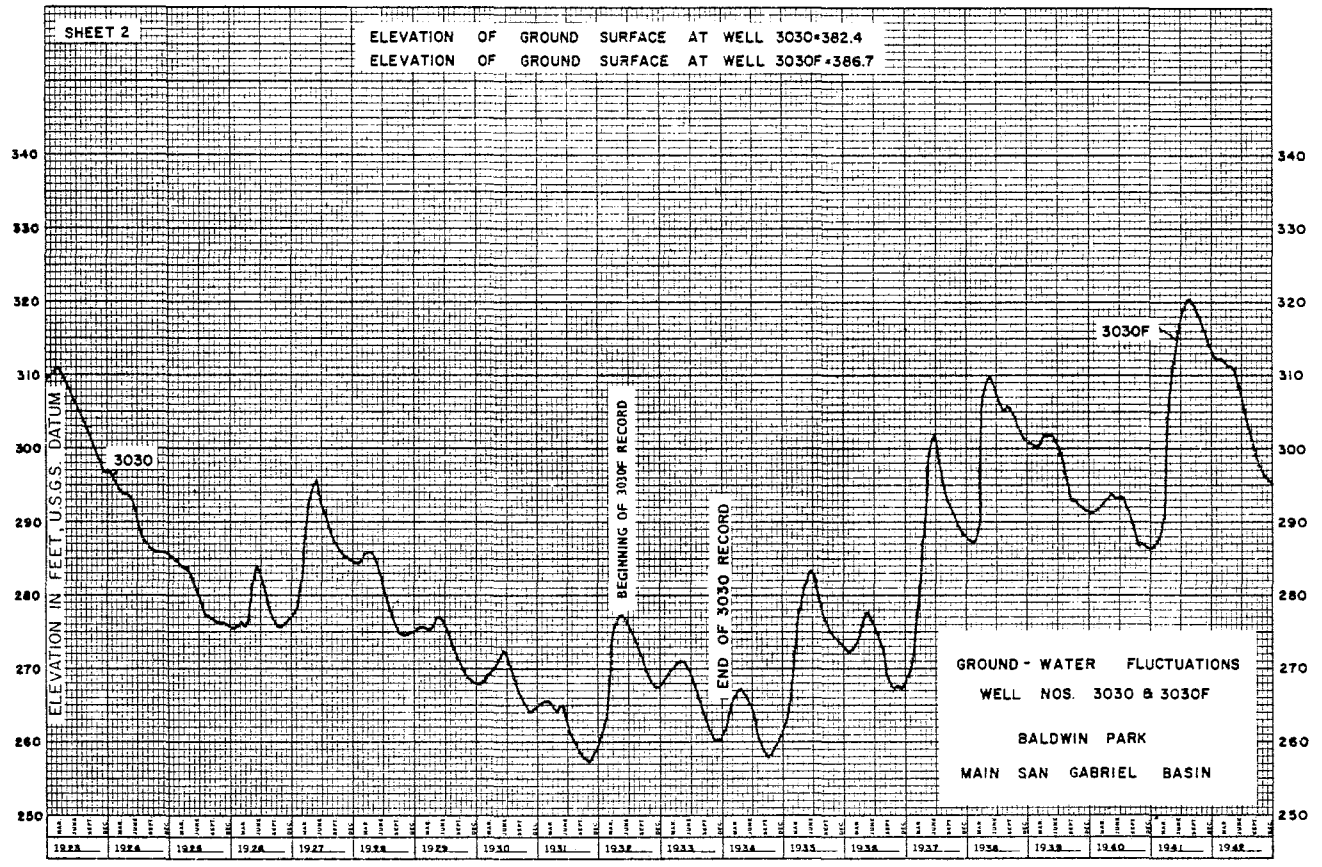

SHEET 4
ELEVATION OF GROUND SURFACE AT WELL 4057H = 749.9
GROUND-WATER FLUCTUATIONS
WELL NO. 4057H
RAYMOND BASIN
ELEVATION IN FEET, U.S.G.S. DATUM
660
650
640
630
620
610
600
590
580
WELL 4057H
1972
1973
1974
1975
19
19
19
19
19
19
19
19
19
19
19
19
19
19
19
19
19
19

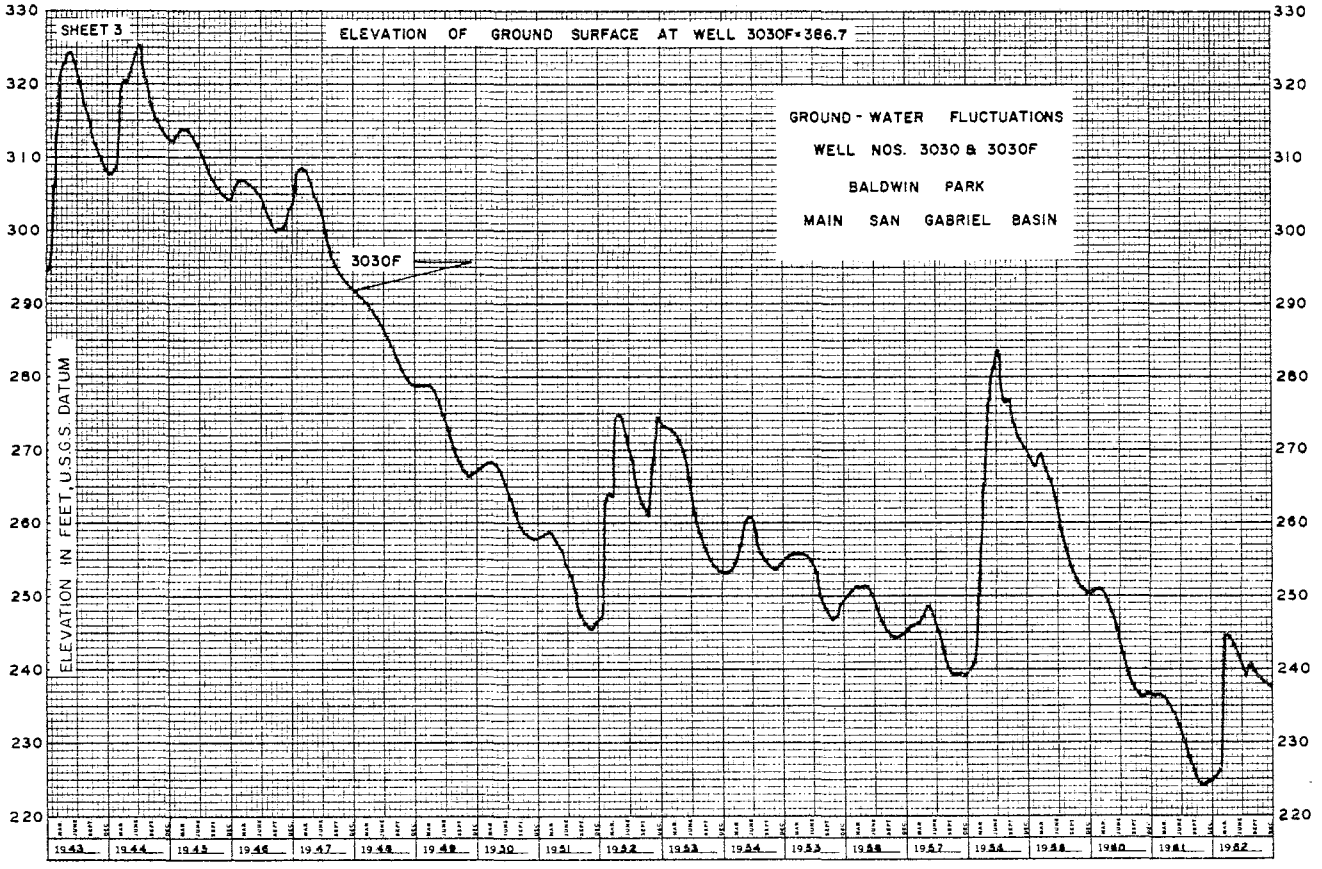

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL = 283.0
2903
ELEVATION IN FEET, U.S.G.S. DATUM
ELEVATION OF GROUND SURFACE AT WELL = 283.0
2903
2955G
GROUND-WATER FLUCTUATIONS
WELL NO. 2903
SAN GABRIEL BOULEVARD NEAR WILMAR
MAIN SAN GABRIEL BASIN

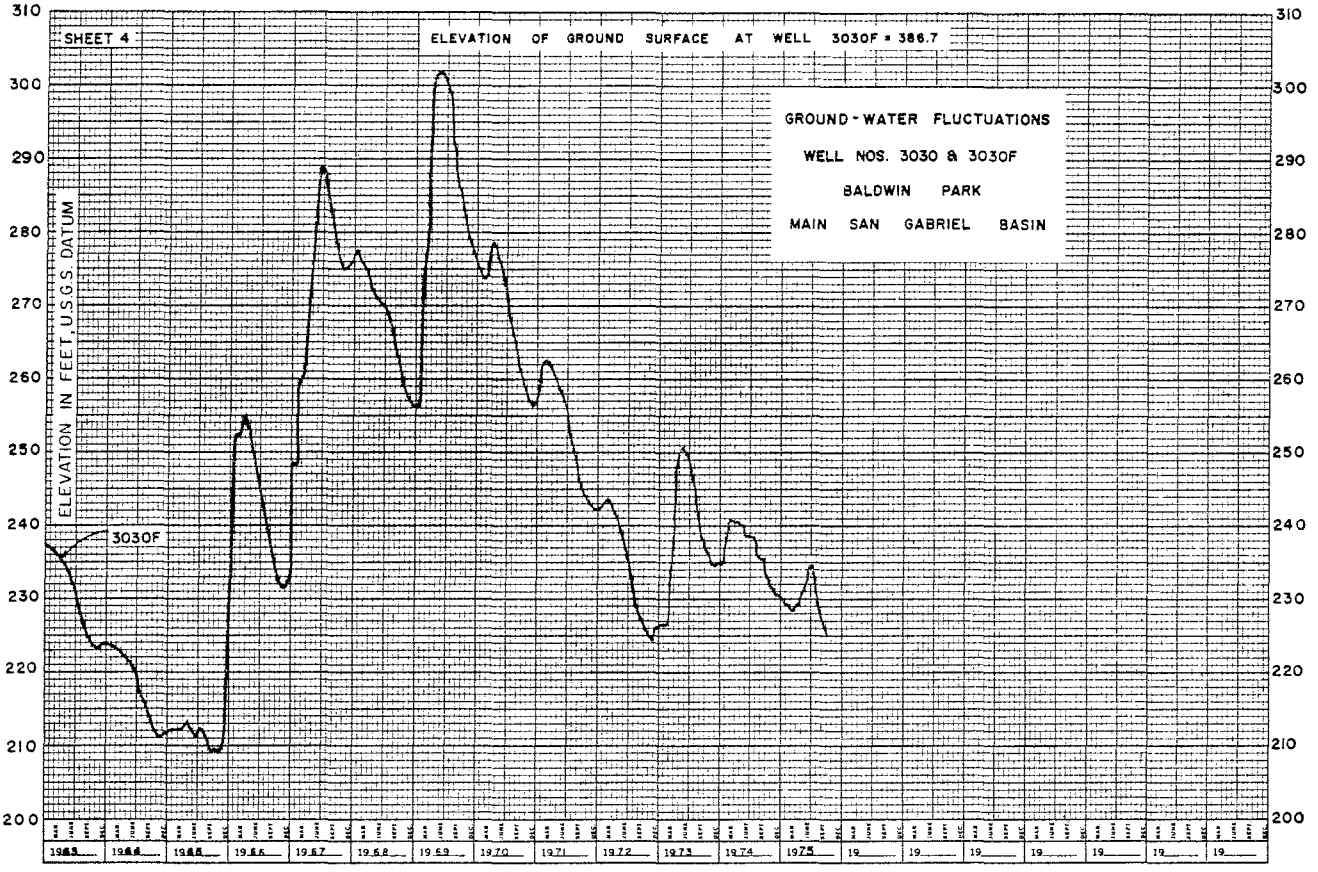

SHEET 2
ELEVATION OF GROUND SURFACE AT WELL NO. 2903 = 283.0
ELEVATION OF GROUNO SURFACE AT WELL NO. 2955G = 240.0
ELEVATION OF GROUND SURFACE AT WELL NO. 2955X = 231.9
GROUND-WATER FLUCTUATIONS
WELL NO. 2903 NEAR WILMAR
WELL NOS. 2955 G & 2955 X
ABOVE WHITTIER NARROWS
MAIN SAN GABRIEL BASIN
2903
DRY
2955G
PERIOD OF NO RECORD
2955X
ELEVATION IN FEET, U.S.G.S. DATUM

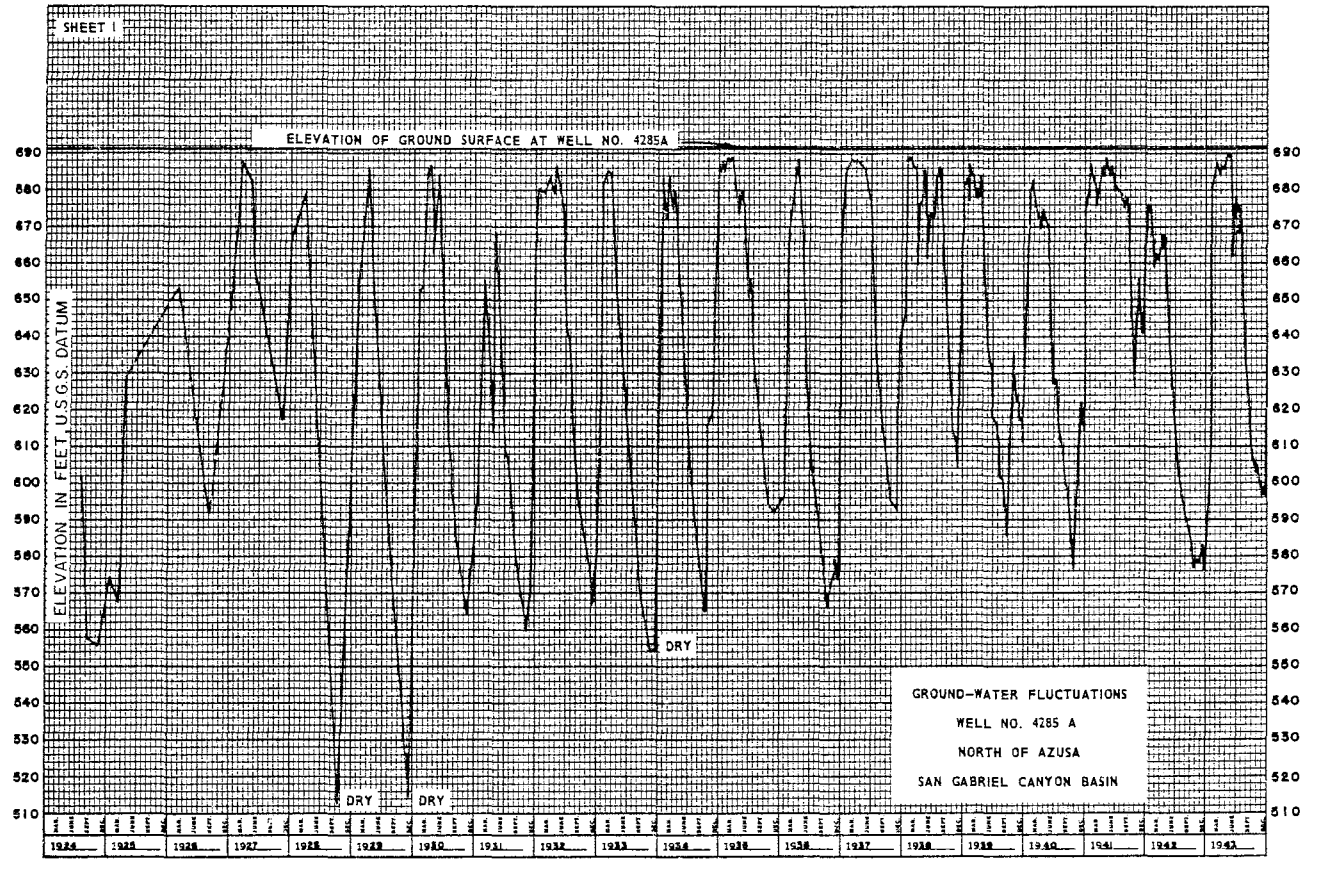

SHEET 3
ELEVATION OF GROUND SURFACE AT WELL 2955 G=240
ELEVATION OF GROUND SURFACE AT WELL 2955 BB=237
ELEVATION OF GROUND SURFACE AT WELL 2955X = 231.9
GROUND - WATER FLUCTUATION
WELL NOS. 2955G 2955X 2955 BB
ABOVE WHITTIER NARROWS
MAIN SAN GABRIEL BASIN
ELEVATION IN FEET, U.S.G.S. DATUM
2955G
WELL 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

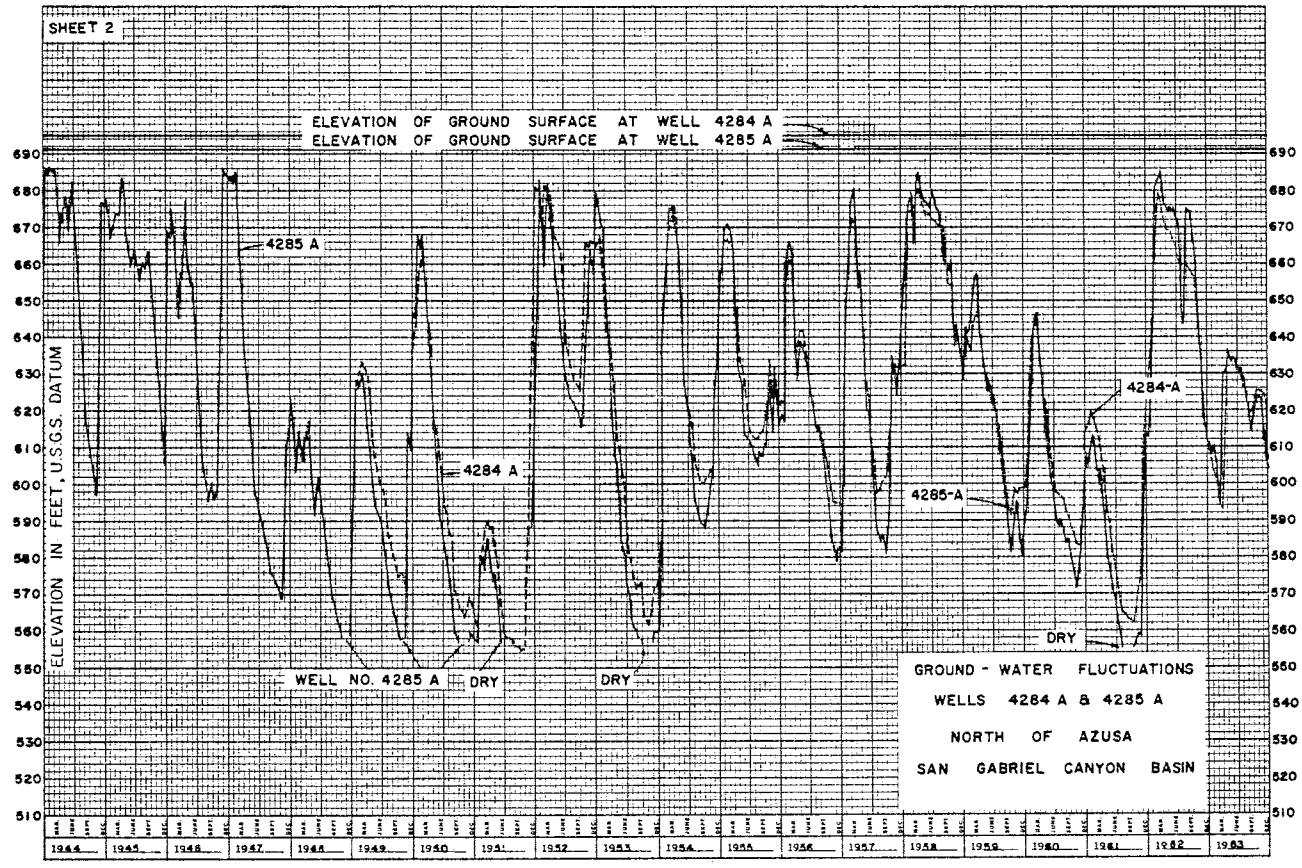

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL 3030 = 382.4'
ELEVATION IN FEET, U.S.G.S. DATUM
3030
GROUND - WATER FLUCTUATION
WELL NOS. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
340
330
320
310
300
290
280
270
260
250
1903
1904
1905
1906
1907
1908
1909
1910
1911
1912
1913
1914
1915
1916
1917
1918
1919
1920
1921
1922

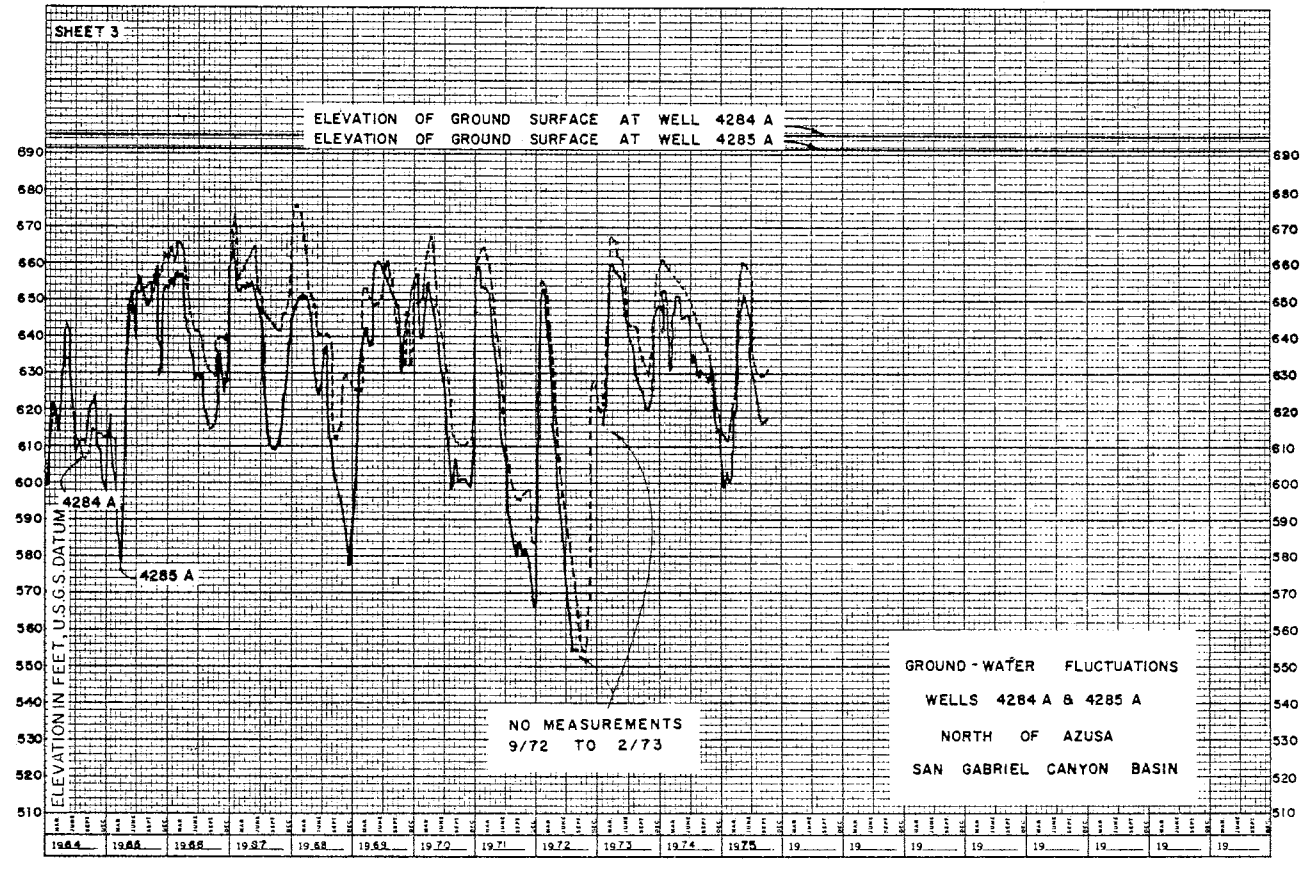

SHEET 2
ELEVATION OF GROUND SURFACE AT WELL 3030=382.4
ELEVATION OF GROUND SURFACE AT WELL 3030F=386.7
ELEVATION IN FEET, U.S.G.S. DATUM
3030
3030F
BEGINNING OF 3010F RECORD
END OF 3030 RECORD
GROUND - WATER FLUCTUATIONS
WELL NOS. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
340
330
320
310
300
290
280
270
260
250
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942

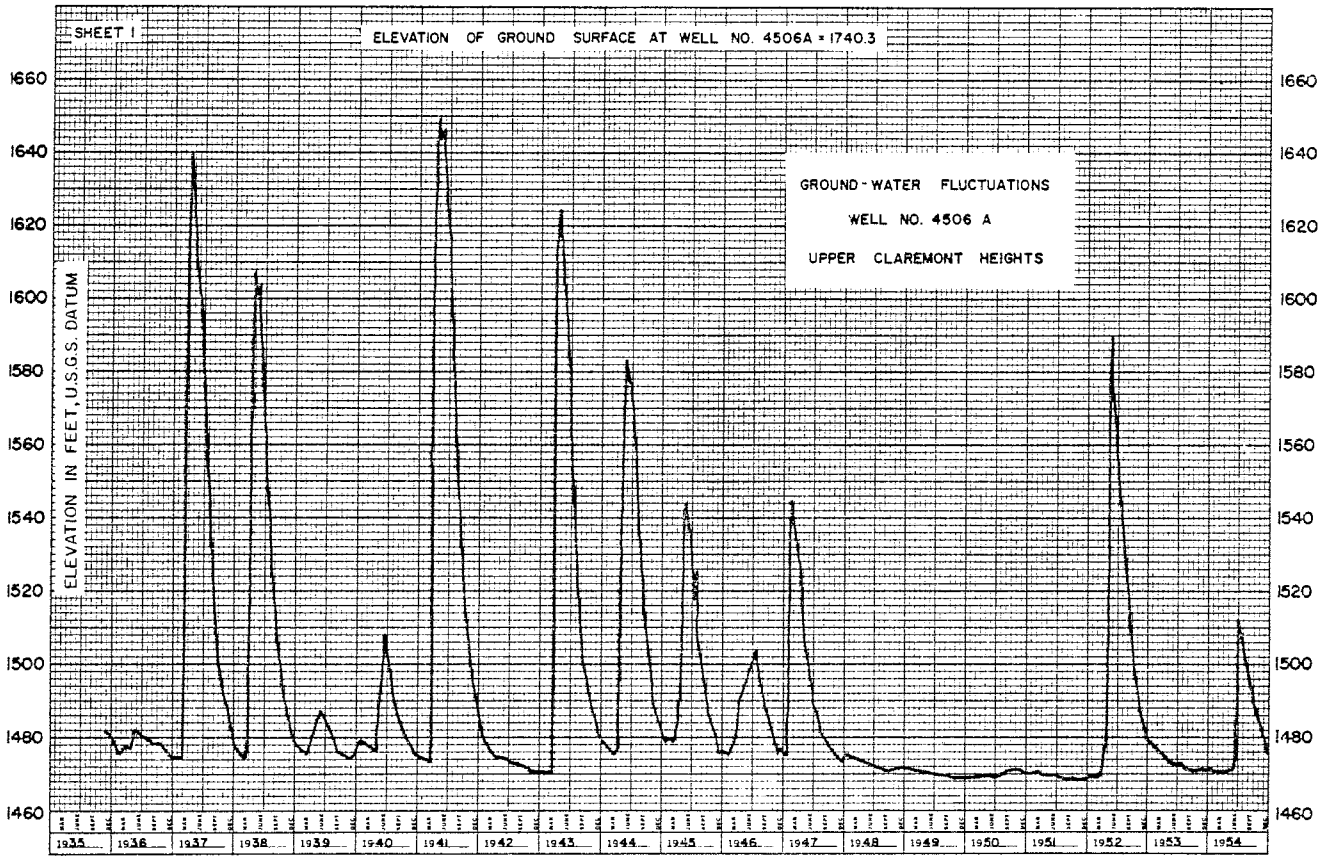

SHEET 3
ELEVATION OF GROUND SURFACE AT WELL 3030F=386.7
ELEVATION IN FEET, U.S.G.S. DATUM
3030F
GROUND - WATER FLUCTUATIONS
WELL NOS. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
330
320
310
300
290
280
270
260
250
240
230
220
1943
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961
1962

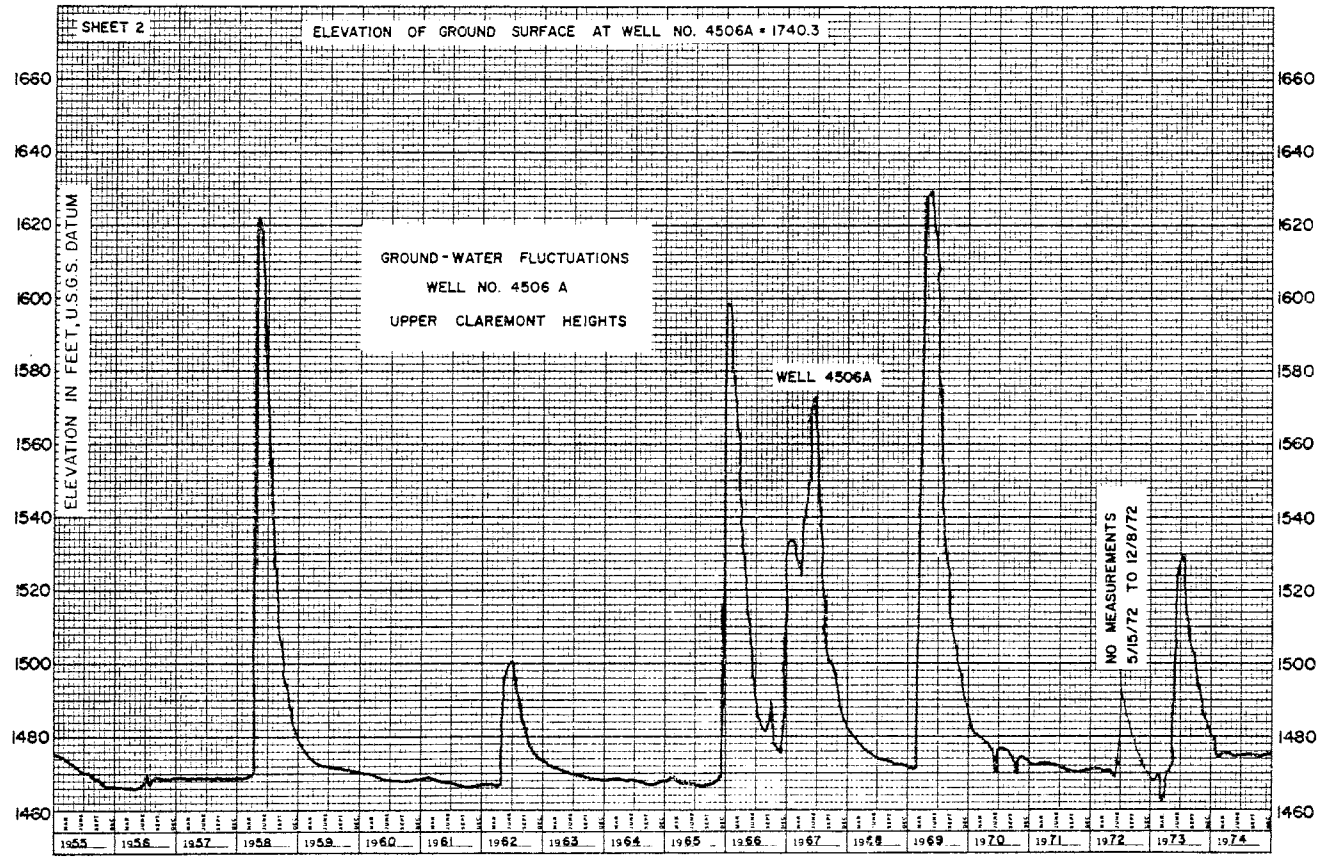

SHEET 4
ELEVATION OF GROUND SURFACE AT WELL 3030F = 386.7
GROUND-WATER FLUCTUATIONS
WELL NOS. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
ELEVATION IN FEET, U.S.G.S. DATUM
3030F

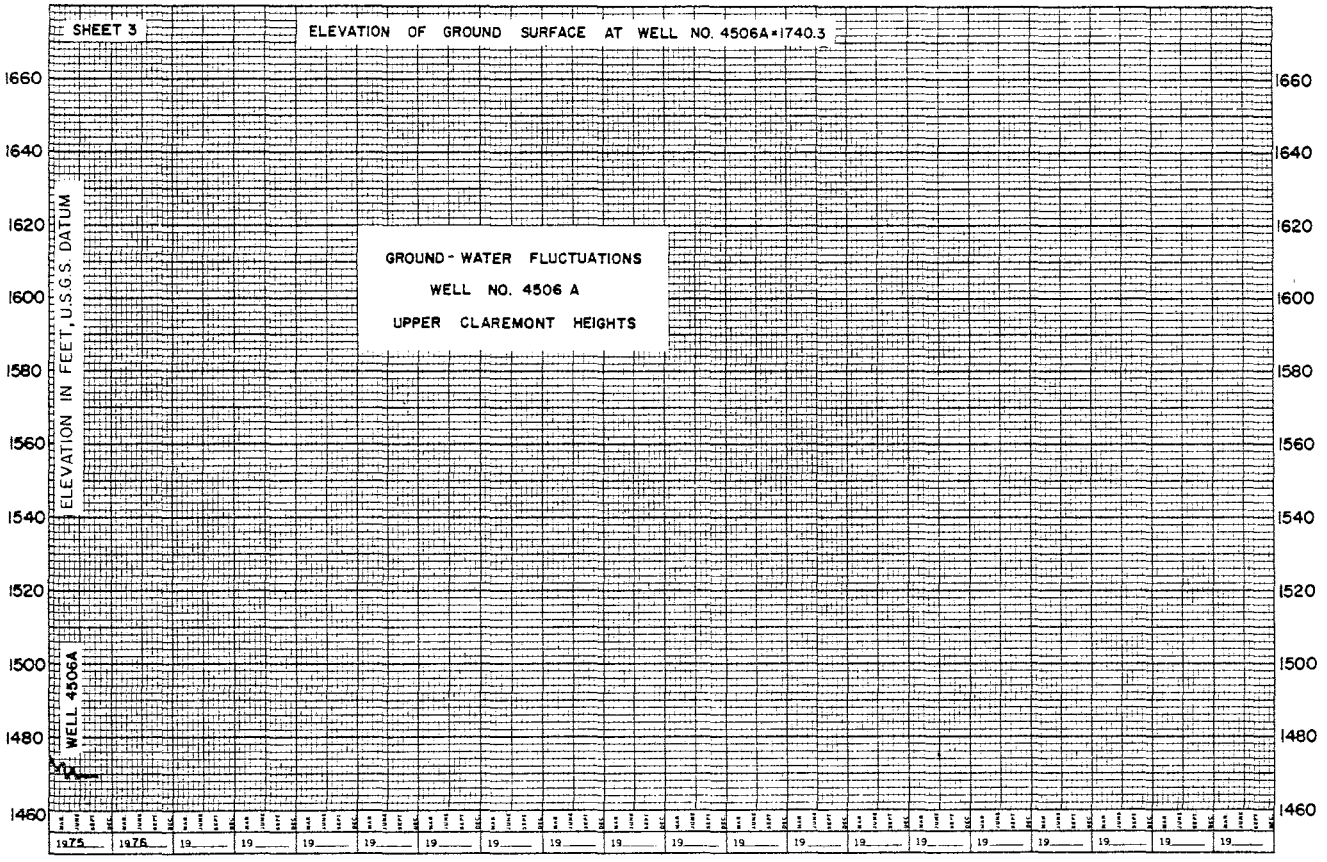

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL NO. 4285A
ELEVATION IN FEET, U.S.G.S. DATUM
DRY
DRY
DRY
GROUND-WATER FLUCTUATIONS
WELL NO. 4285 A
NORTH OF AZUSA
SAN GABRIEL CANYON BASIN

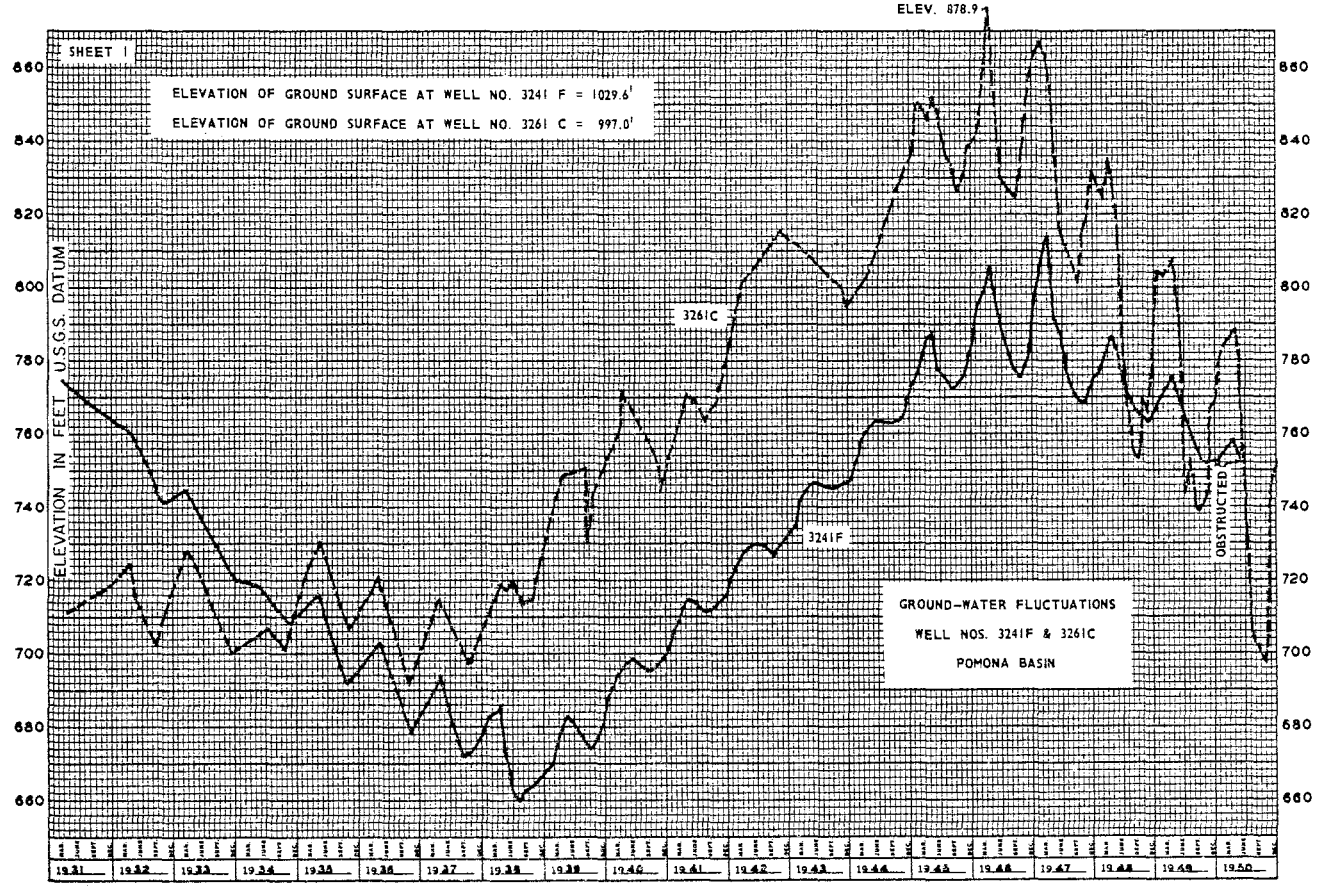

SHEET 2
ELEVATION OF GROUND SURFACE AT WELL 4284 A
ELEVATION OF GROUND SURFACE AT WELL 4285 A
ELEVATION IN FEET, U.S.G.S. DATUM
4285 A
4284 A
4284-A
4285-A
WELL NO. 4285 A
DRY
DRY
DRY
GROUND - WATER FLUCTUATIONS
WELLS 4284 A & 4285 A
NORTH OF AZUSA
SAN GABRIEL CANYON BASIN

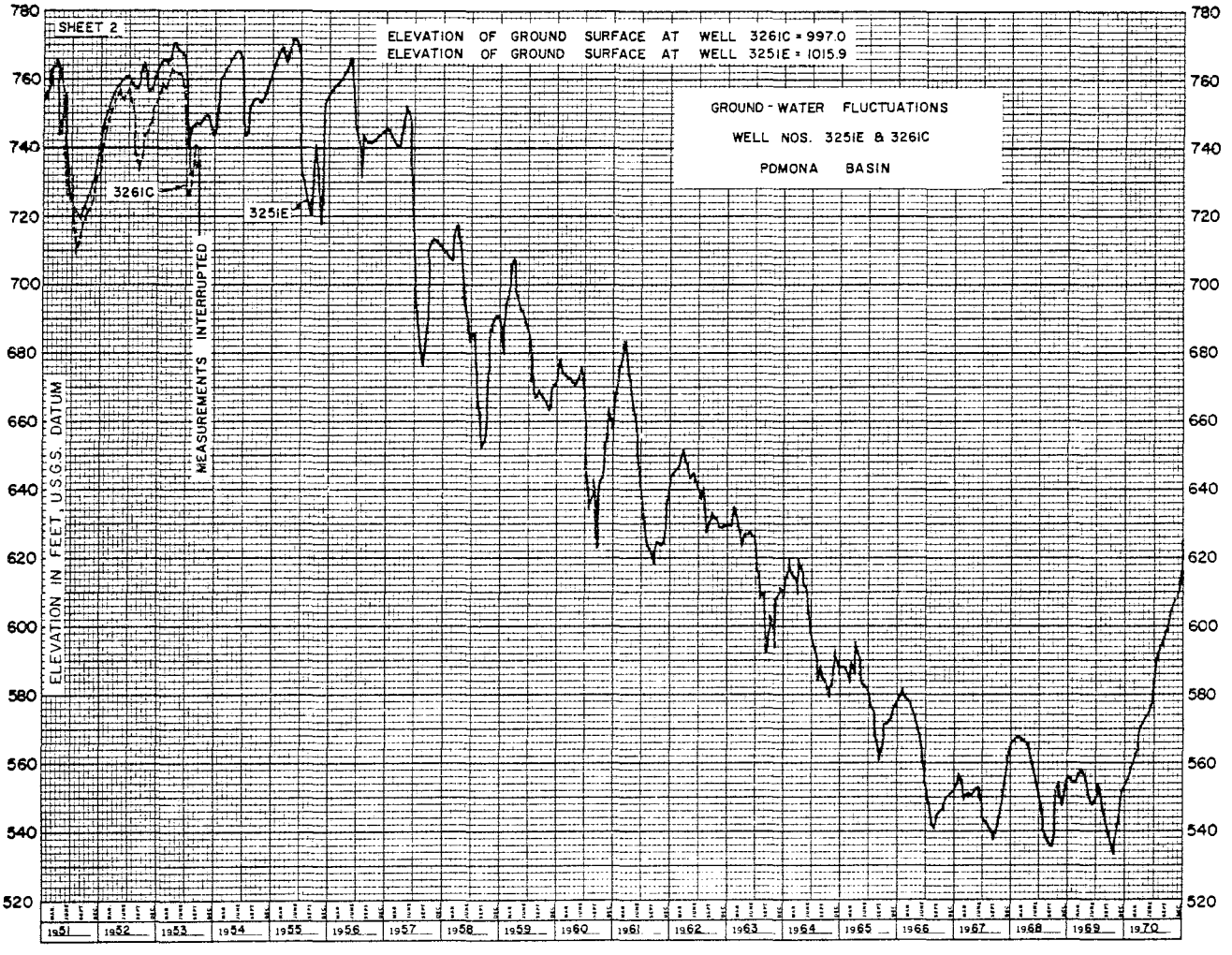

SHEET 3
ELEVATION OF GROUND SURFACE AT WELL 4284 A
ELEVATION OF GROUND SURFACE AT WELL 4285 A
ELEVATION IN FEET, U.S.G.S. DATUM
4284 A
4285 A
NO MEASUREMENTS
9/72 TO 2/73
GROUND - WATER FLUCTUATIONS
WELLS 4284 A & 4285 A
NORTH OF AZUSA
SAN GABRIEL CANYON BASIN

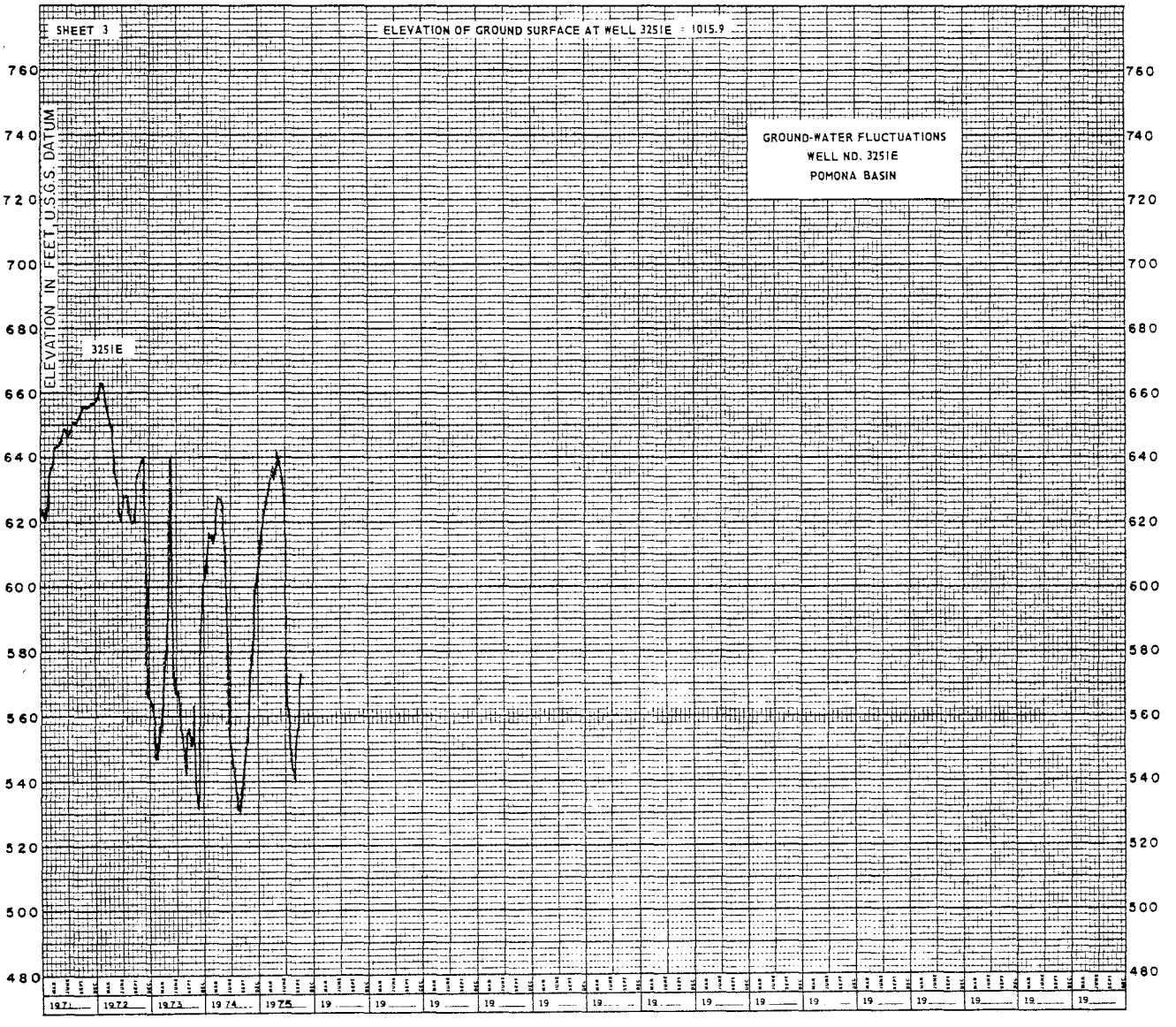

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL NO. 4506A = 1740.3
GROUND-WATER FLUCTUATIONS
WELL NO. 4506 A
UPPER CLAREMONT HEIGHTS
ELEVATION IN FEET, U.S.G.S. DATUM
1660
1640
1620
1600
1580
1560
1540
1520
1500
1480
1460
1935
1936
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954

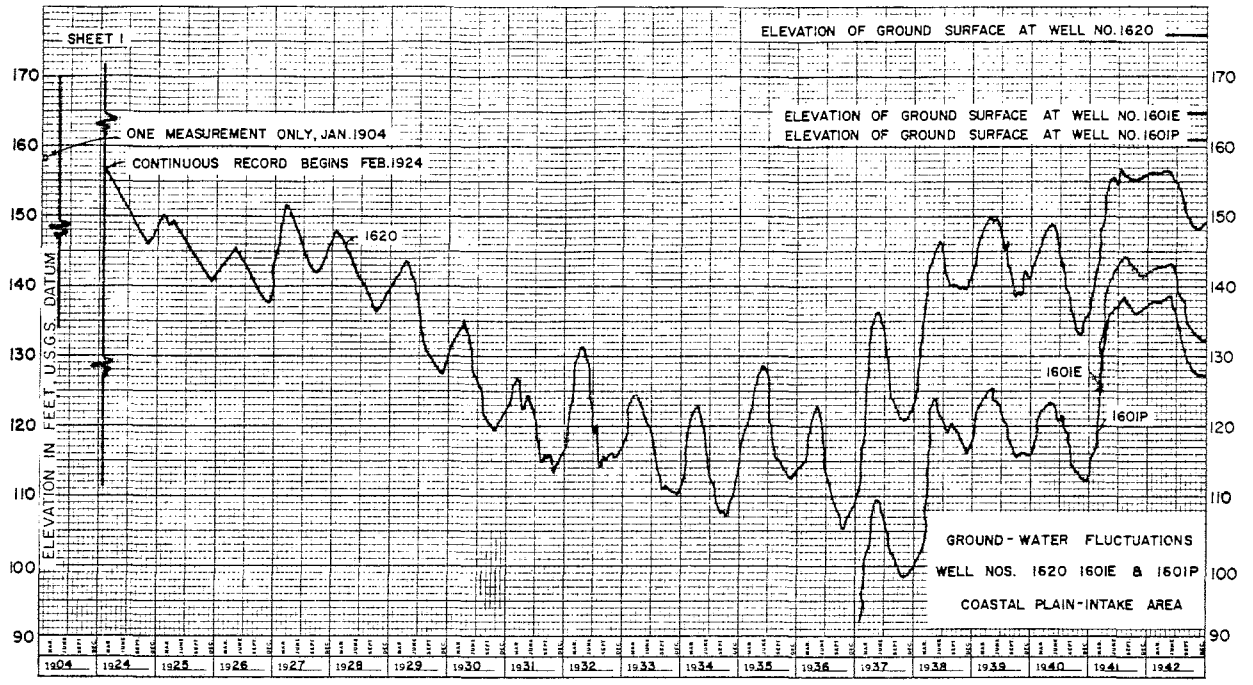

SHEET 2
ELEVATION OF GROUND SURFACE AT WELL NO. 4506A = 1740.3
GROUND-WATER FLUCTUATIONS
WELL NO. 4506 A
UPPER CLAREMONT HEIGHTS
WELL 4506A
NO MEASUREMENTS 5/15/72 TO 12/8/72
ELEVATION IN FEET, U.S.G.S. DATUM
1660
1640
1620
1600
1580
1560
1540
1520
1500
1480
1460
1955
1956
1957
1958
1959
1960
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974

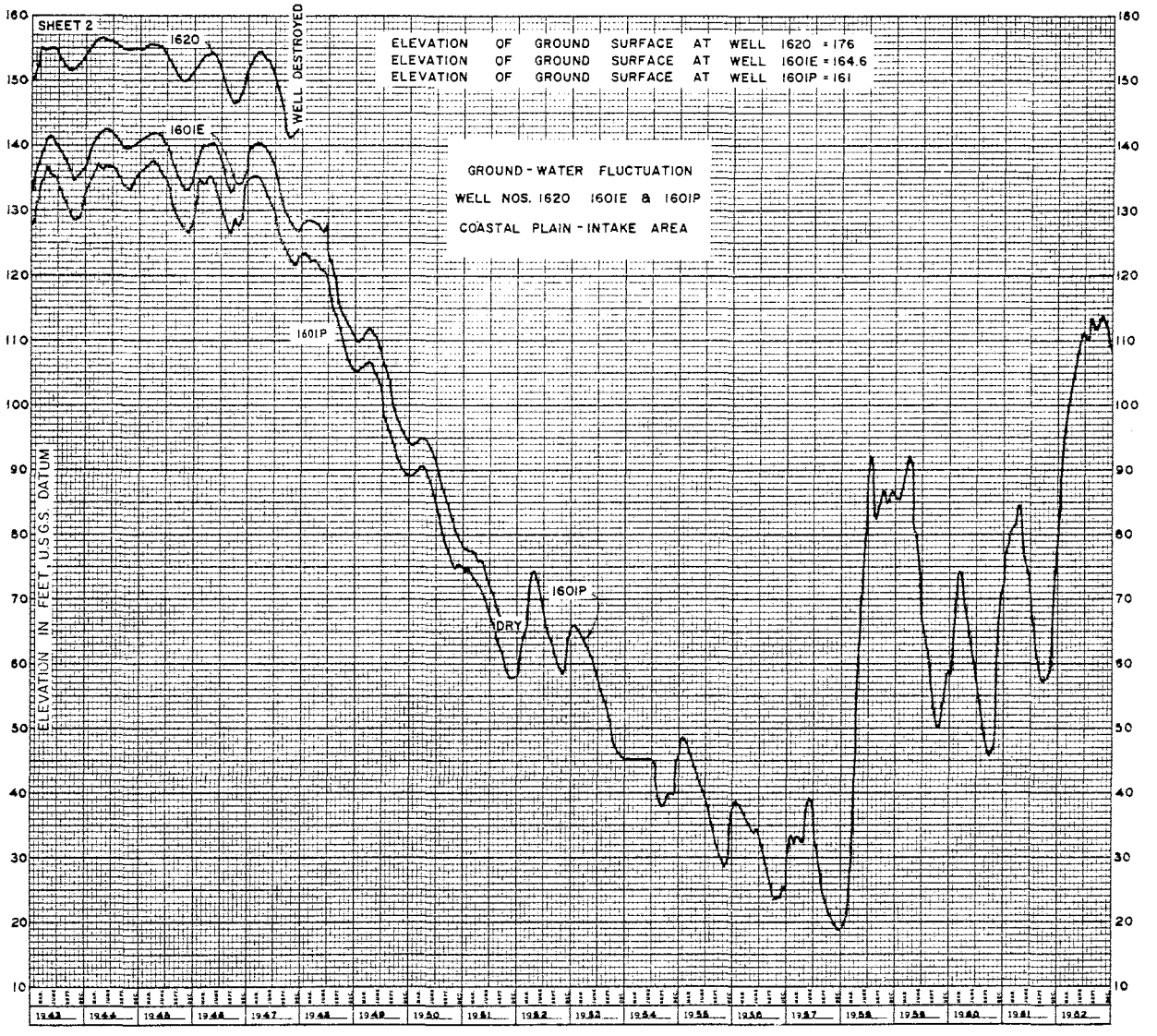

SHEET 3
ELEVATION OF GROUND SURFACE AT WELL NO. 4506A=1740.3
GROUND-WATER FLUCTUATIONS
WELL NO. 4506 A
UPPER CLAREMONT HEIGHTS
ELEVATION IN FEET, U.S.G.S. DATUM
WELL 4506A
1660
1640
1620
1600
1580
1560
1540
1520
1500
1480
1460
1975
1976

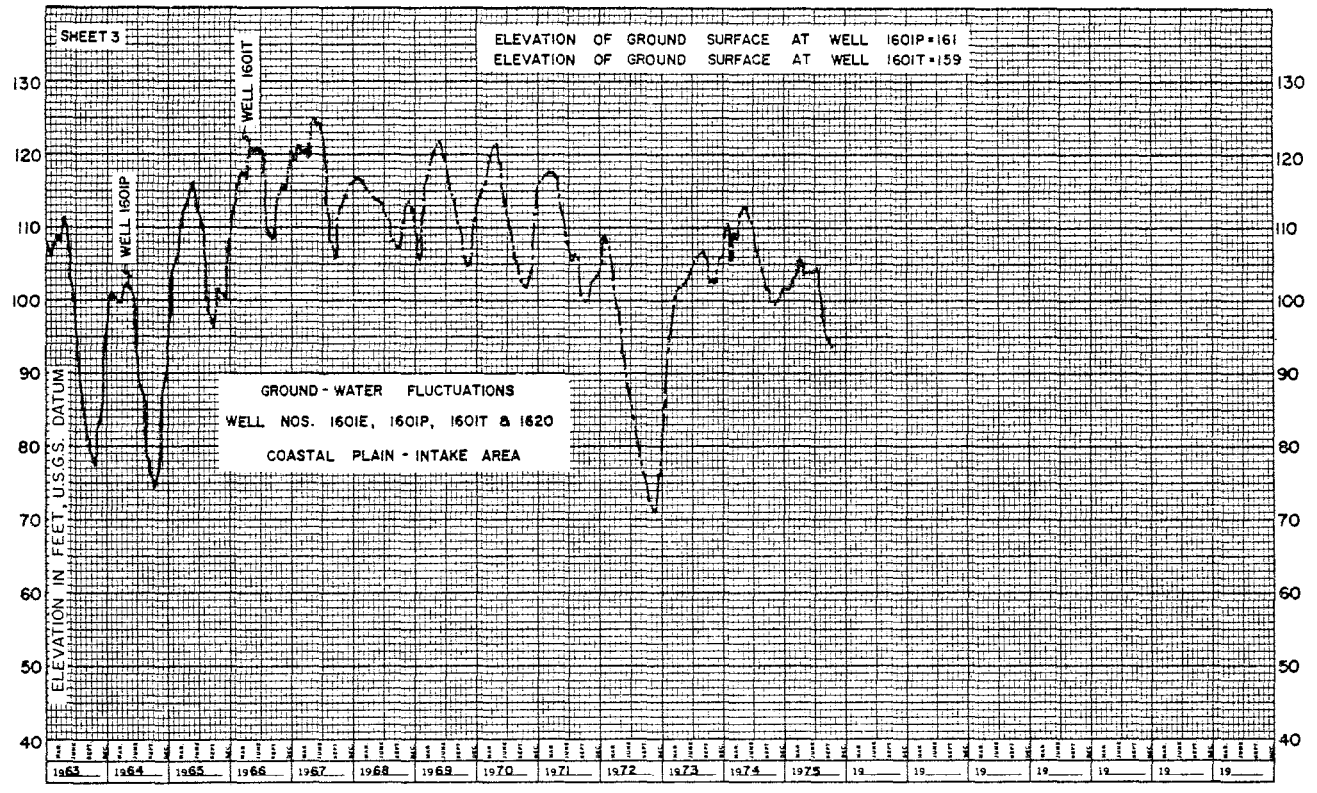

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL NO. 3241 F = 1029.6'
ELEVATION OF GROUND SURFACE AT WELL NO. 3261 C = 997.0'
ELEV. 878.9
3261C
3241F
OBSTRUCTED
GROUND-WATER FLUCTUATIONS
WELL NOS. 3241F & 3261C
POMONA BASIN
ELEVATION IN FEET, U.S.G.S. DATUM
860
840
820
800
780
760
740
720
700
680
660
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950

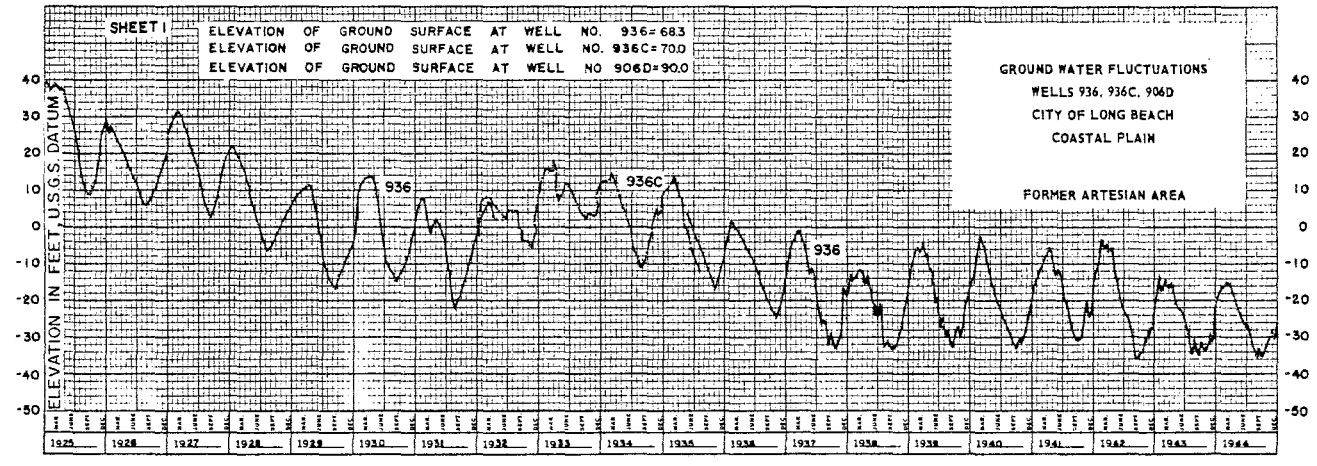

SHEET 2
ELEVATION OF GROUND SURFACE AT WELL 3261C = 997.0
ELEVATION OF GROUND SURFACE AT WELL 3251E = 1015.9
GROUND-WATER FLUCTUATIONS
WELL NOS. 3251E & 3261C
POMONA BASIN
ELEVATION IN FEET, U.S.G.S. DATUM
MEASUREMENTS INTERRUPTED
3261C
3251E
780
760
740
720
700
680
660
640
620
600
580
560
540
520
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970

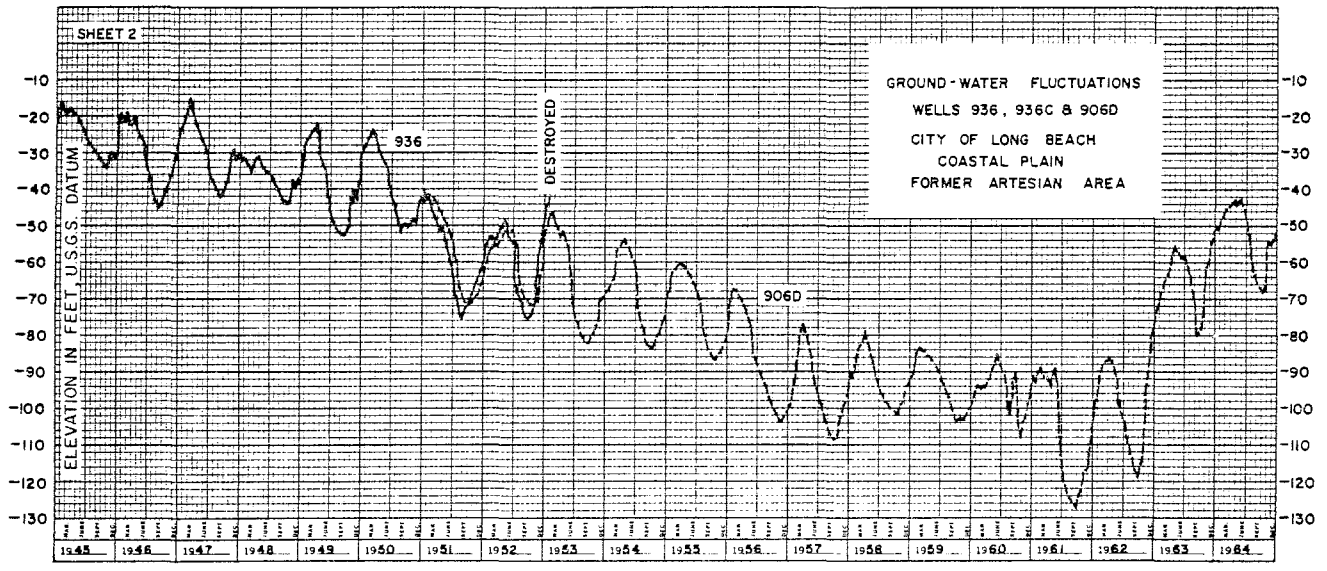

SHEET 3
ELEVATION OF GROUND SURFACE AT WELL 3251E = 1015.9
GROUND-WATER FLUCTUATIONS
WELL NO. 3251E
POMONA BASIN
ELEVATION IN FEET U.S.G.S. DATUM
3251E
760
740
720
700
680
660
640
620
600
580
560
540
520
500
480
1971
1972
1973
1974
1975

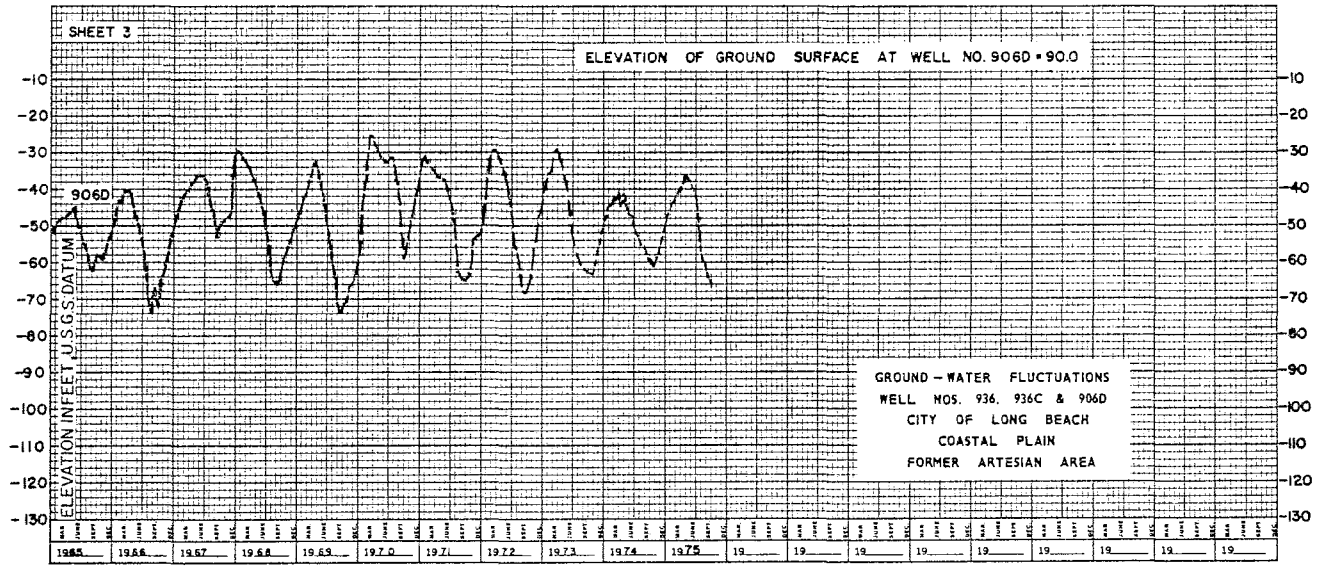

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL NO. 1620
ELEVATION OF GROUND SURFACE AT WELL NO. 1601E
ELEVATION OF GROUND SURFACE AT WELL NO. 1601P
ONE MEASUREMENT ONLY, JAN. 1904
CONTINUOUS RECORD BEGINS FEB. 1924
1620
1601E
1601P
ELEVATION IN FEET, U.S.G.S. DATUM
GROUND-WATER FLUCTUATIONS
WELL NOS. 1620 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

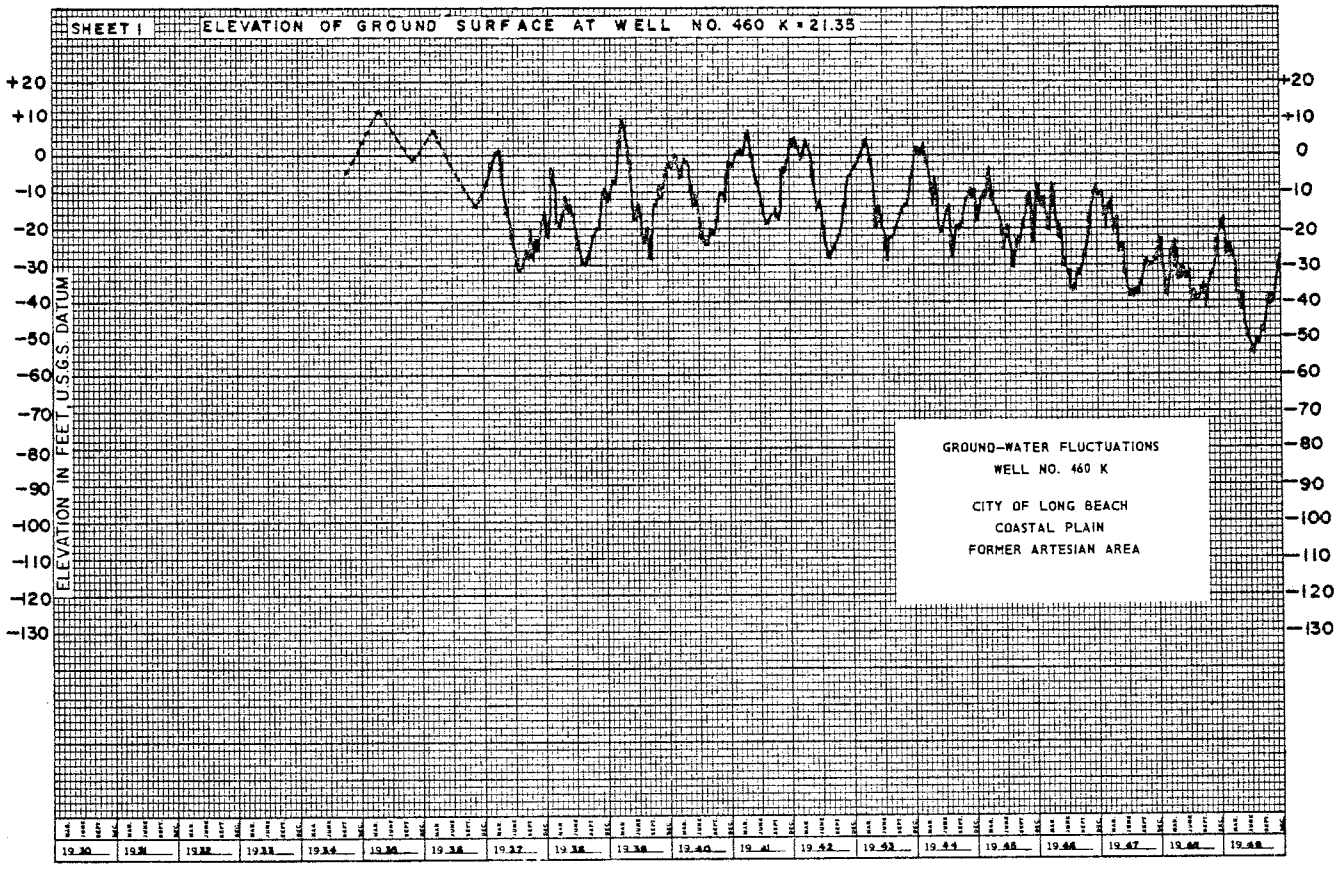

SHEET 2
1620
WELL DESTROYED
1601E
1601P
1601P
DRY
ELEVATION OF GROUND SURFACE AT WELL 1620 = 176
ELEVATION OF GROUND SURFACE AT WELL 1601E = 164.6
ELEVATION OF GROUND SURFACE AT WELL 1601P = 161
GROUND-WATER FLUCTUATION
WELL NOS. 1620 1601E & 1601P
COASTAL PLAIN-INTAKE AREA
ELEVATION IN FEET, U.S.G.S. DATUM
1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962

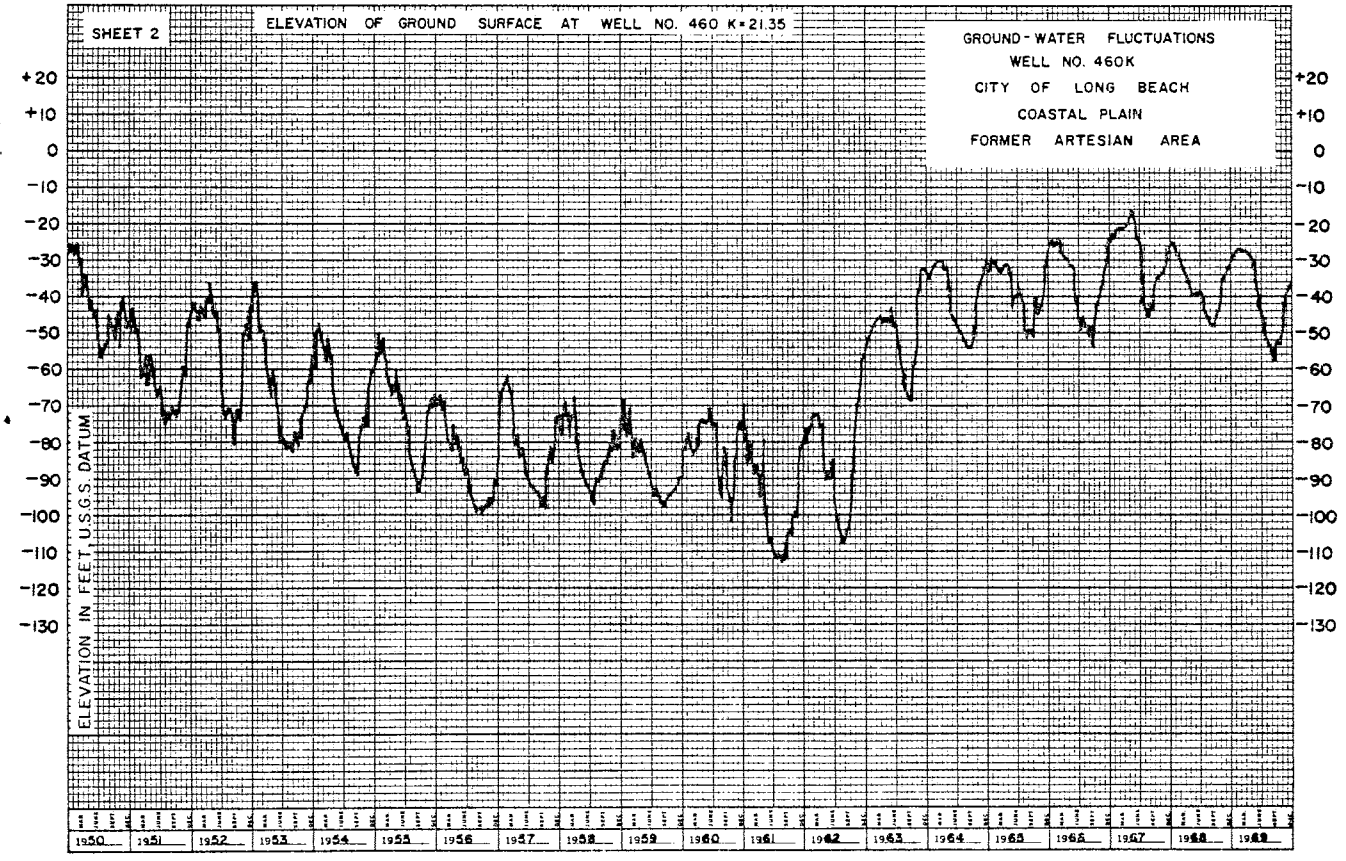

SHEET 3
ELEVATION OF GROUND SURFACE AT WELL 1601P = 161
ELEVATION OF GROUND SURFACE AT WELL 1601T = 159
WELL 1601T
WELL 1601P
GROUND - WATER FLUCTUATIONS
WELL NOS. 1601E, 1601P, 1601T & 1620
COASTAL PLAIN - INTAKE AREA
ELEVATION IN FEET, U.S.G.S. DATUM
130
120
110
100
90
80
70
60
50
40
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975

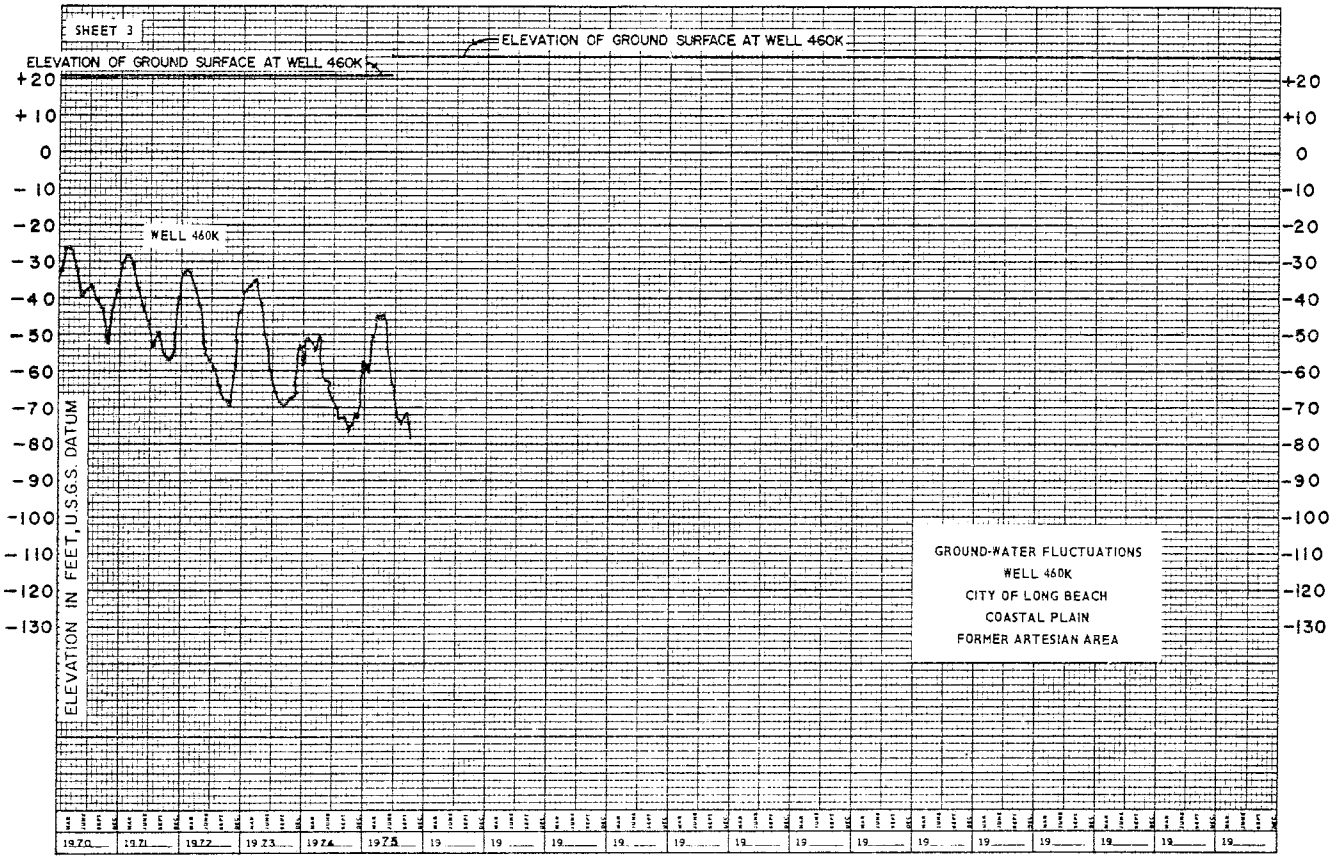

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL NO. 936 = 68.3
ELEVATION OF GROUND SURFACE AT WELL NO. 936C = 70.0
ELEVATION OF GROUND SURFACE AT WELL NO 906D = 90.0
GROUND WATER FLUCTUATIONS
WELLS 936, 936C, 906D
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA
936
936C
936
ELEVATION IN FEET, U.S.G.S. 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

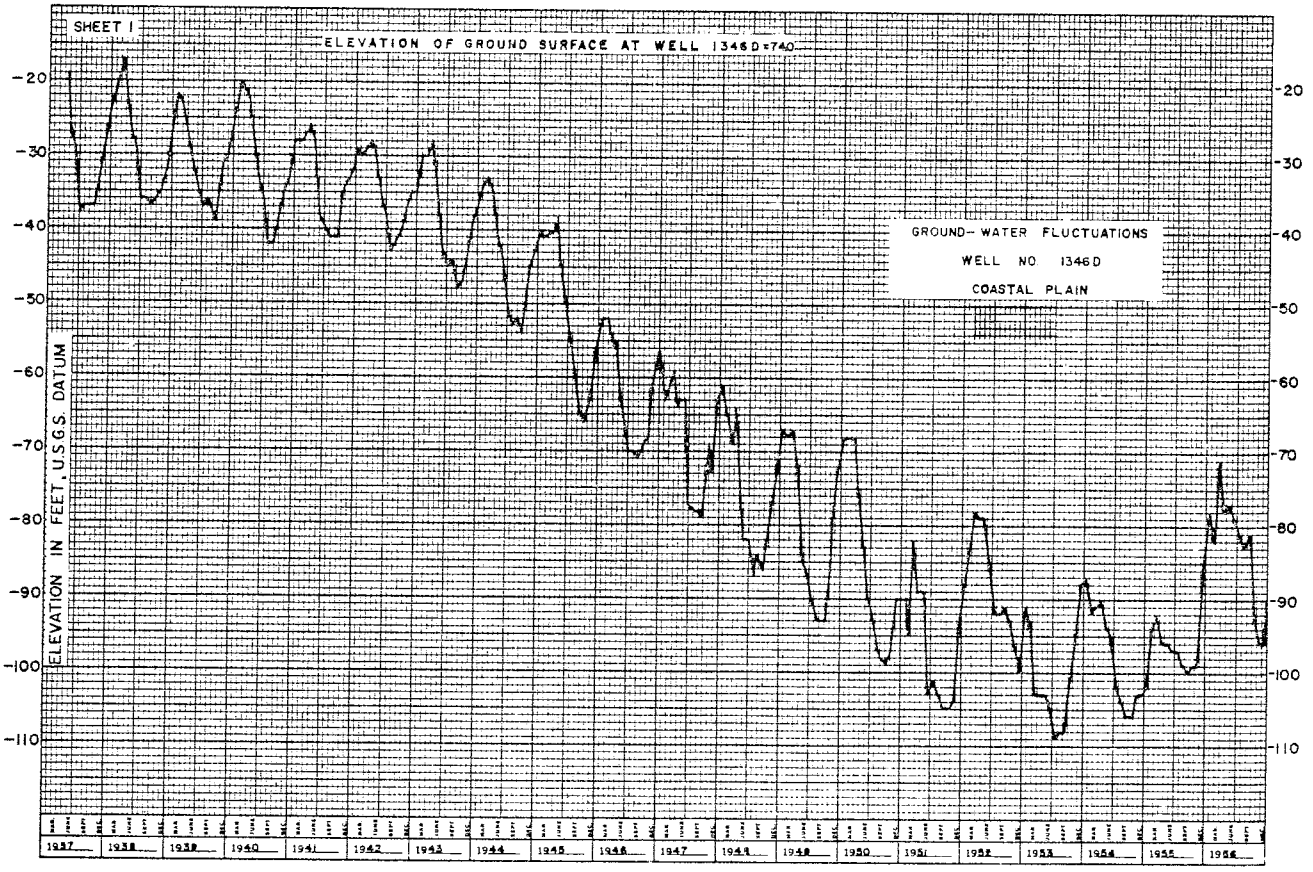

SHEET 2
GROUND-WATER FLUCTUATIONS
WELLS 936, 936C & 906D
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA
936
DESTROYED
906D
ELEVATION IN FEET, U.S.G.S. DATUM
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
-130
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961
1962
1963
1964

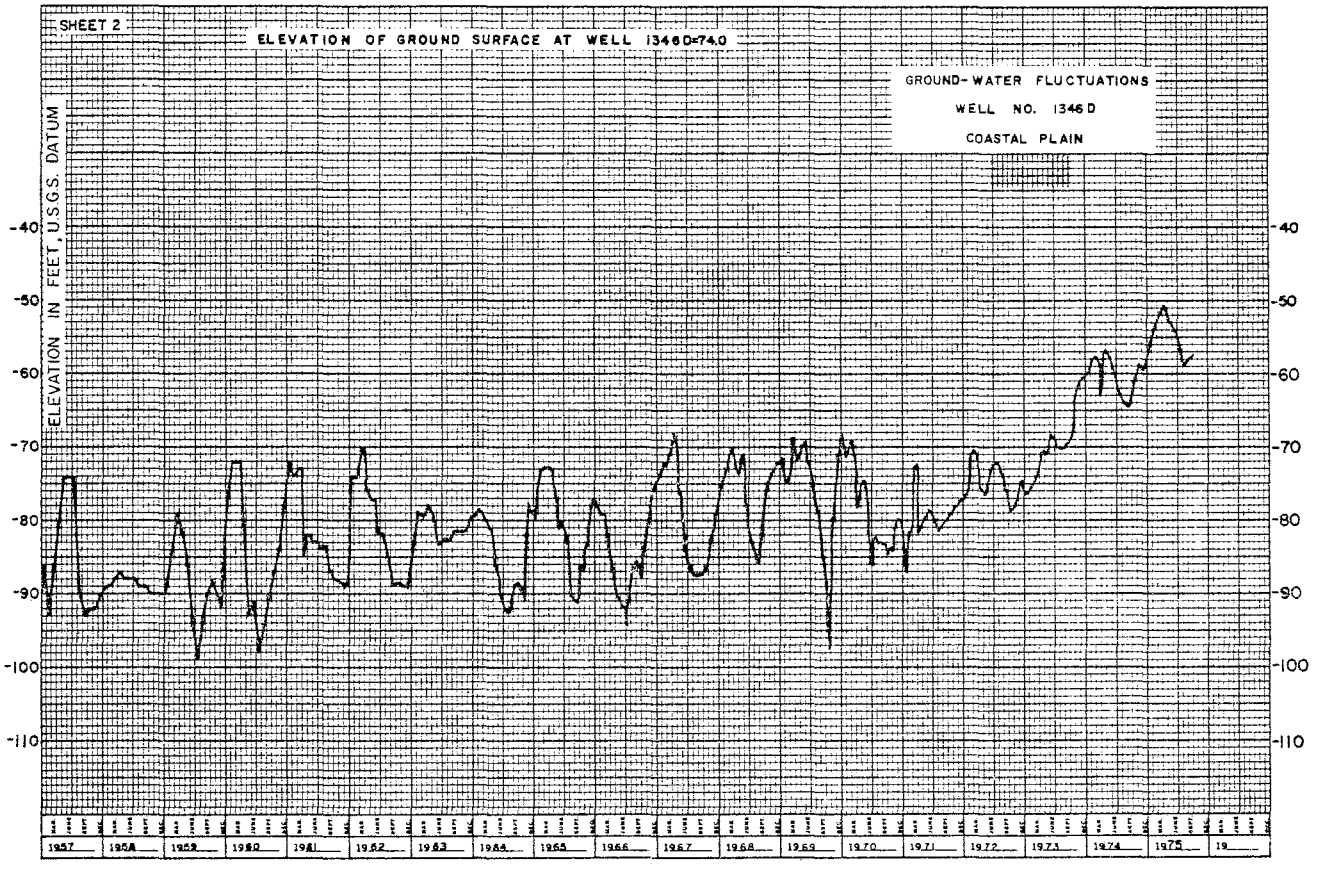

SHEET 3
ELEVATION OF GROUND SURFACE AT WELL NO. 906D = 90.0
906D
GROUND-WATER FLUCTUATIONS
WELL NOS. 936, 936C & 906D
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA
ELEVATION IN FEET, U.S.G.S. DATUM
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
-130
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975

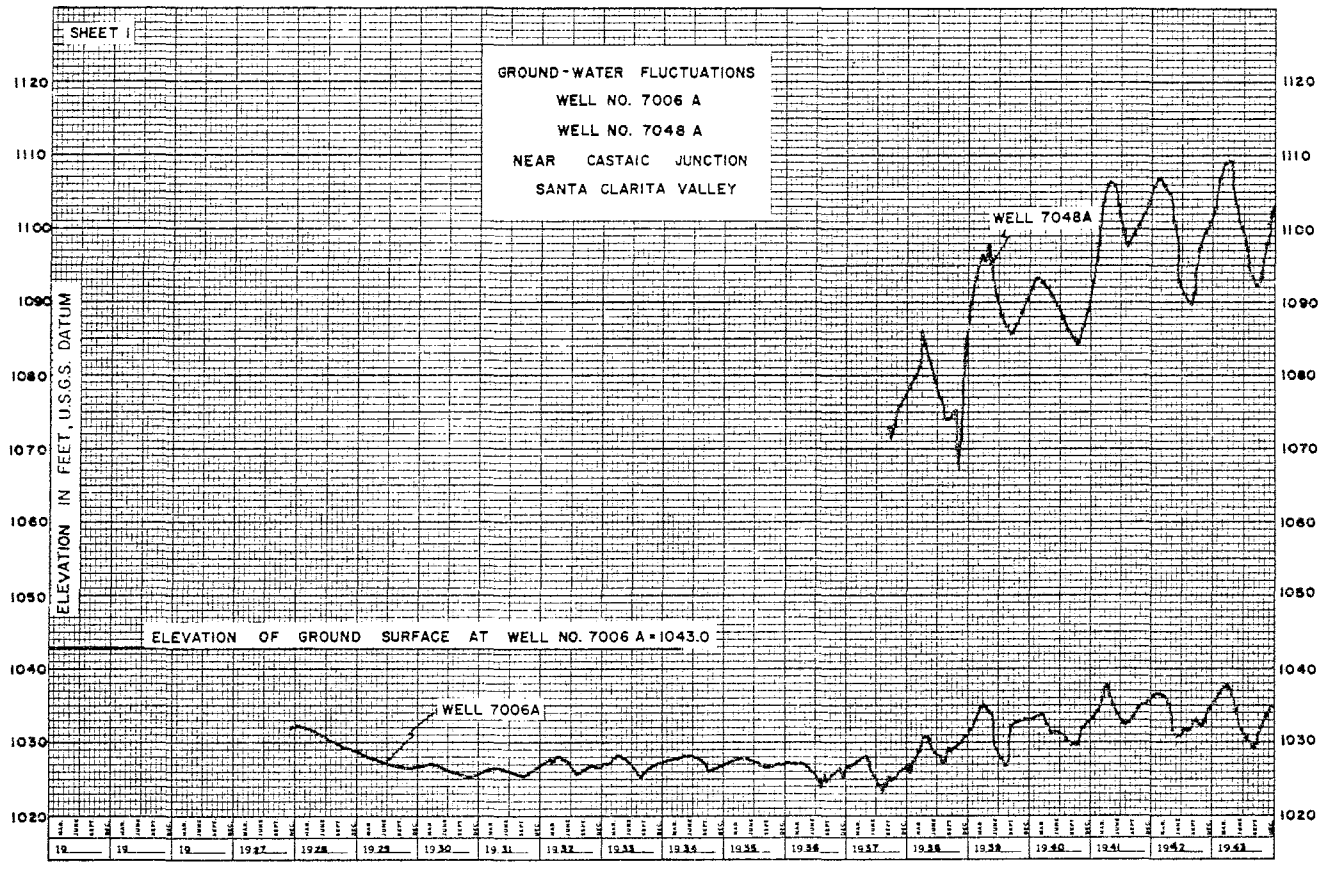

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL NO. 460 K = 21.35
+20
+10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
-130
ELEVATION IN FEET, U.S.G.S. DATUM
GROUND-WATER FLUCTUATIONS
WELL NO. 460 K
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
1949

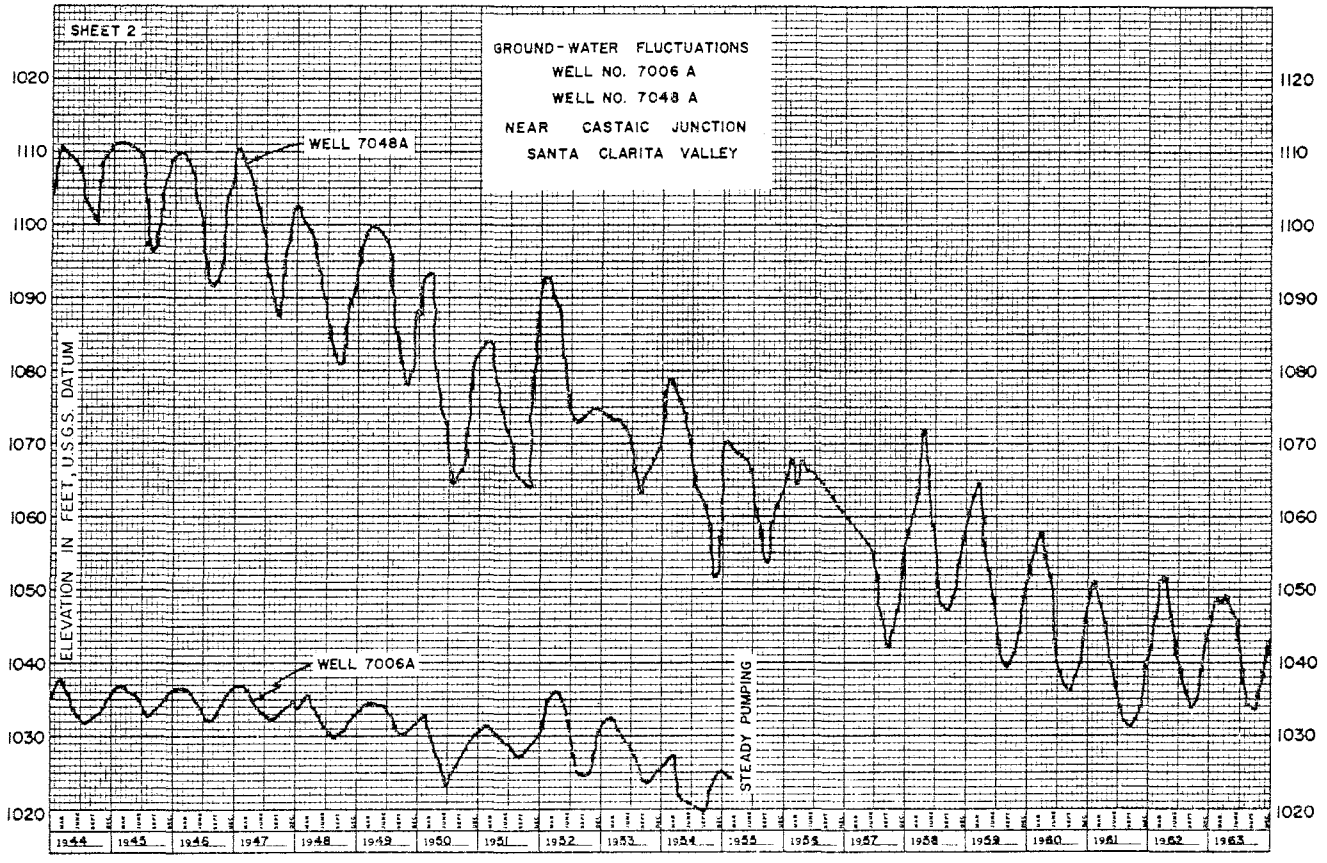

SHEET 2
ELEVATION OF GROUND SURFACE AT WELL NO. 460 K = 21.35
GROUND-WATER FLUCTUATIONS
WELL NO. 460K
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA
+20
+10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
-130
ELEVATION IN FEET, U.S.G.S. DATUM
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961
1962
1963
1964
1965
1966
1967
1968
1969

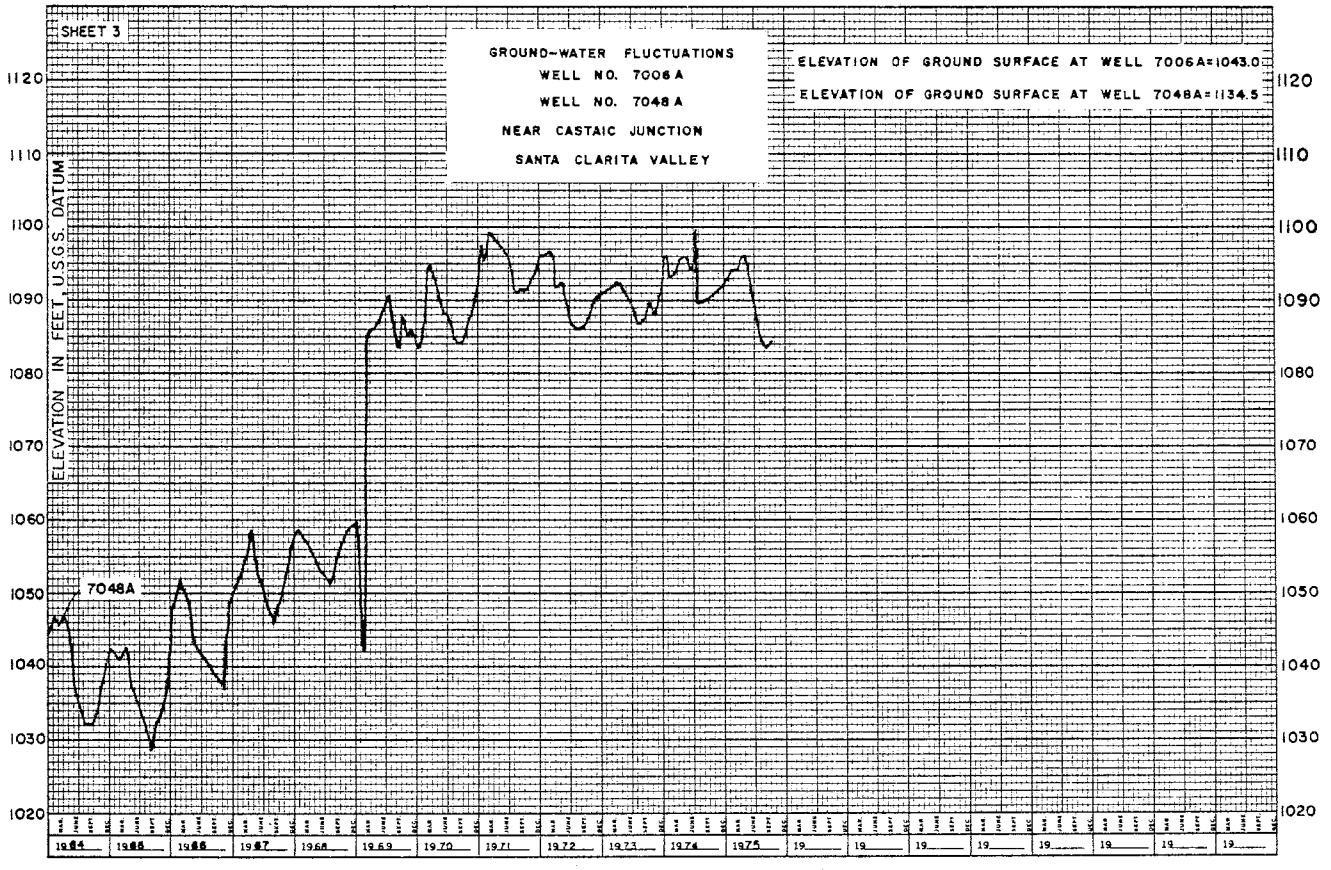

SHEET 3
ELEVATION OF GROUND SURFACE AT WELL 460K
ELEVATION OF GROUND SURFACE AT WELL 460K
+20
+10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
-130
WELL 460K
ELEVATION IN FEET, U.S.G.S. DATUM
GROUND-WATER FLUCTUATIONS
WELL 460K
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA
1970
1971
1972
1973
1974
1975

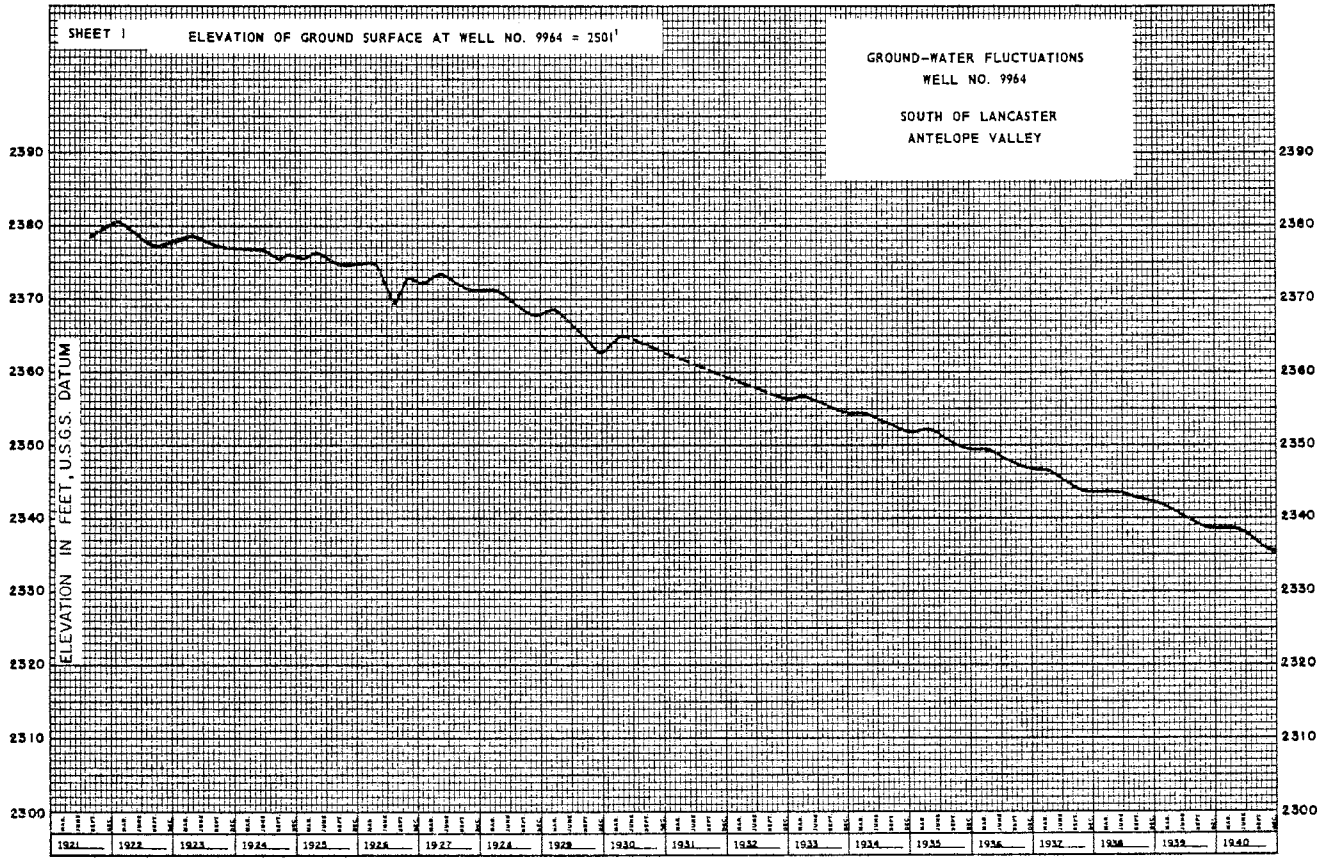

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL 1346D=740
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
ELEVATION IN FEET, U.S.G.S. DATUM
GROUND-WATER FLUCTUATIONS
WELL NO. 1346D
COASTAL PLAIN
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956

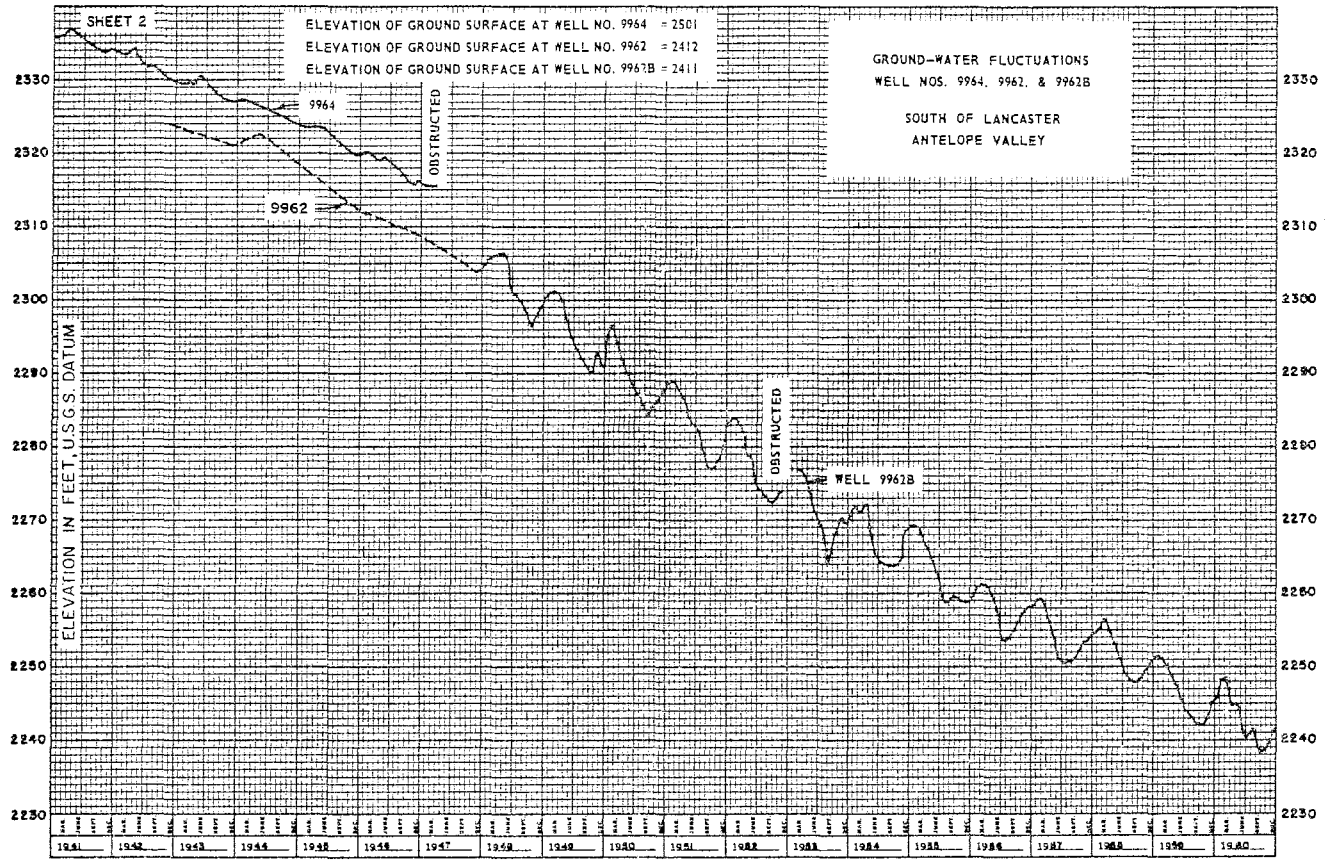

SHEET 2
ELEVATION OF GROUND SURFACE AT WELL 1346D=74.0
GROUND-WATER FLUCTUATIONS
WELL NO. 1346D
COASTAL PLAIN
ELEVATION IN FEET, U.S.G.S. DATUM
-40
-50
-60
-70
-80
-90
-100
-110
1957
1958
1959
1960
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975
19

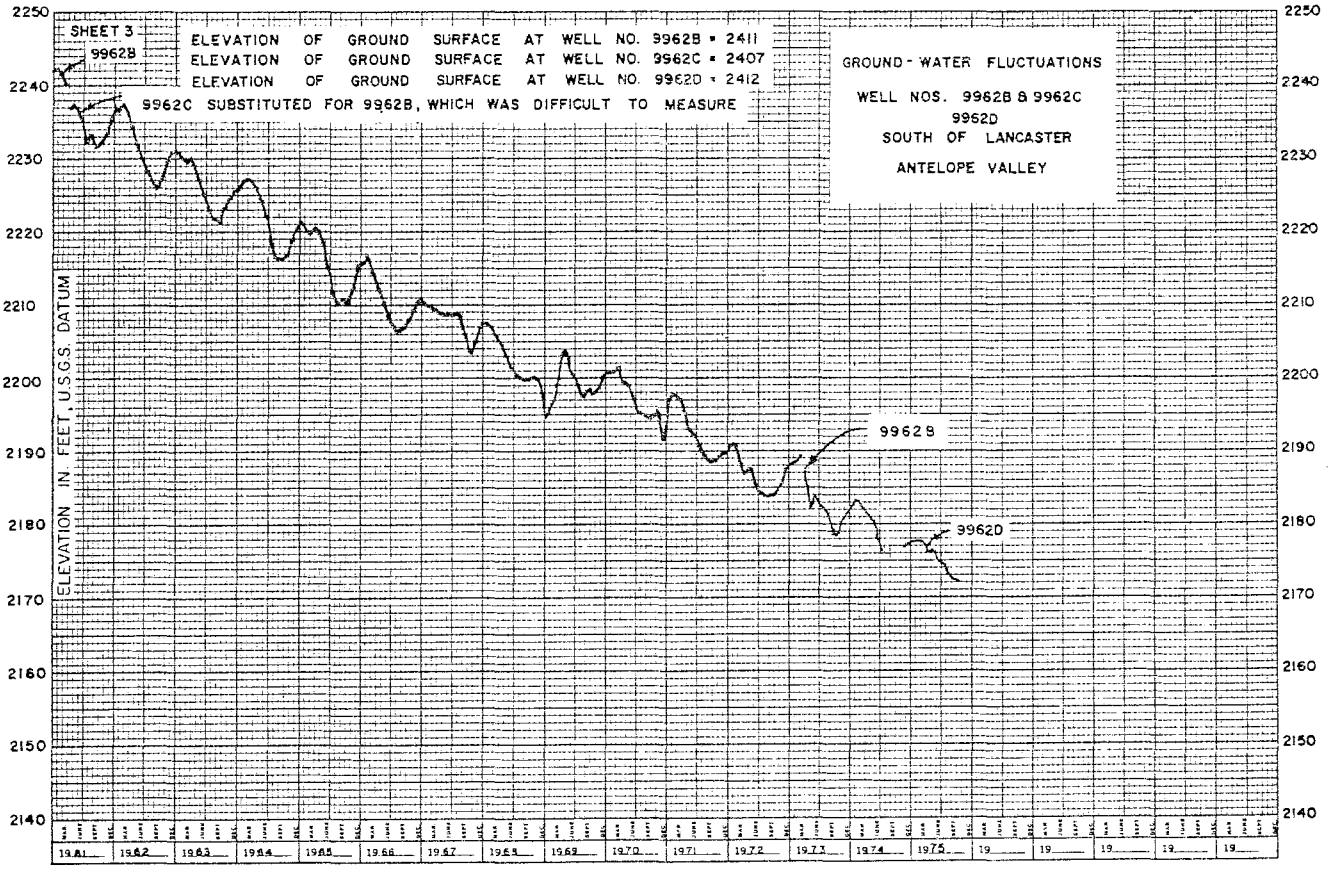

SHEET 1
GROUND-WATER FLUCTUATIONS
WELL NO. 7006 A
WELL NO. 7048 A
NEAR CASTAIC JUNCTION
SANTA CLARITA VALLEY
ELEVATION IN FEET, U.S.G.S. DATUM
WELL 7048A
WELL 7006A
ELEVATION OF GROUND SURFACE AT WELL NO. 7006 A = 1043.0
1120
1110
1100
1090
1080
1070
1060
1050
1040
1030
1020

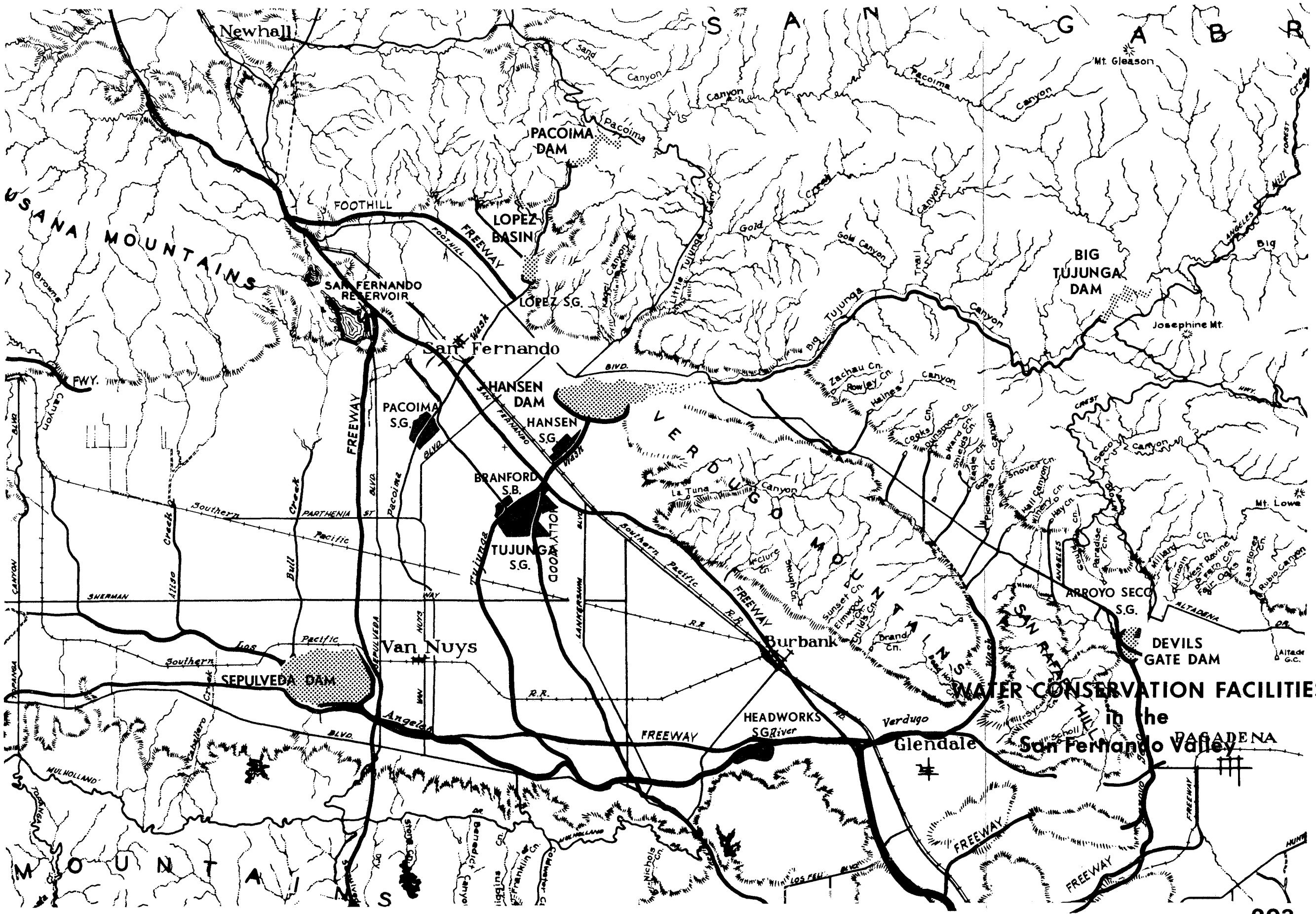

SHEET 2
GROUND-WATER FLUCTUATIONS
WELL NO. 7006 A
WELL NO. 7048 A
NEAR CASTAIC JUNCTION
SANTA CLARITA VALLEY
ELEVATION IN FEET, U.S.G.S. DATUM
WELL 7048A
WELL 7006A
STEADY PUMPING
1020
1110
1100
1090
1080
1070
1060
1050
1040
1030
1020
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
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

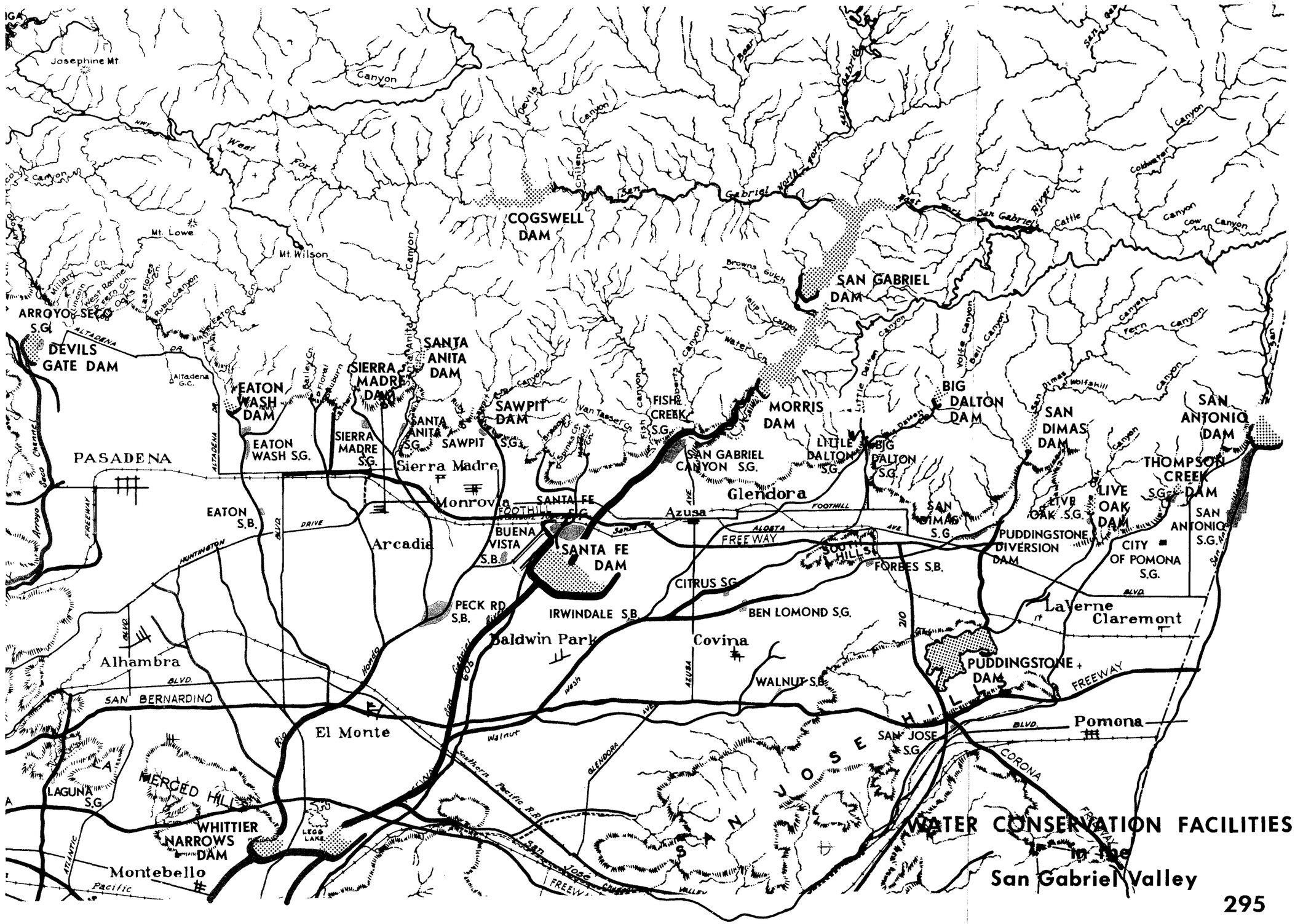

SHEET 1
ELEVATION OF GROUND SURFACE AT WELL NO. 9964 = 2501'
GROUND-WATER FLUCTUATIONS
WELL NO. 9964
SOUTH OF LANCASTER
ANTELOPE VALLEY
ELEVATION IN FEET, U.S.G.S. DATUM
2390
2380
2370
2360
2350
2340
2330
2320
2310
2300
1921
1922
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
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

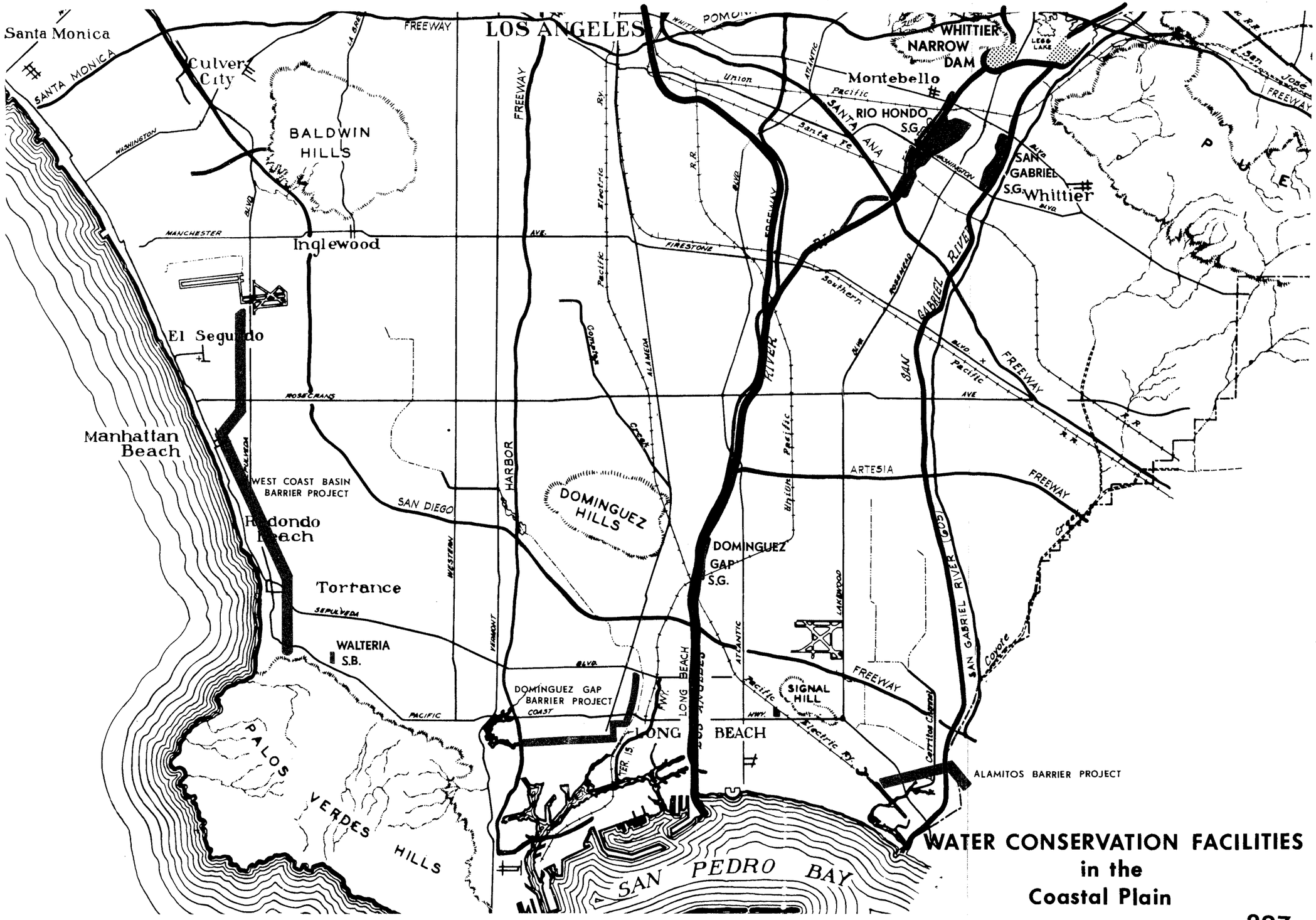

SHEET 3
9962B
ELEVATION OF GROUND SURFACE AT WELL NO. 9962B = 2411
ELEVATION OF GROUND SURFACE AT WELL NO. 9962C = 2407
ELEVATION OF GROUND SURFACE AT WELL NO. 9962D = 2412
9962C SUBSTITUTED FOR 9962B, WHICH WAS DIFFICULT TO MEASURE
GROUND-WATER FLUCTUATIONS
WELL NOS. 9962B & 9962C
9962D
SOUTH OF LANCASTER
ANTELOPE VALLEY
9962B
9962D
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
19
19
19
19
19



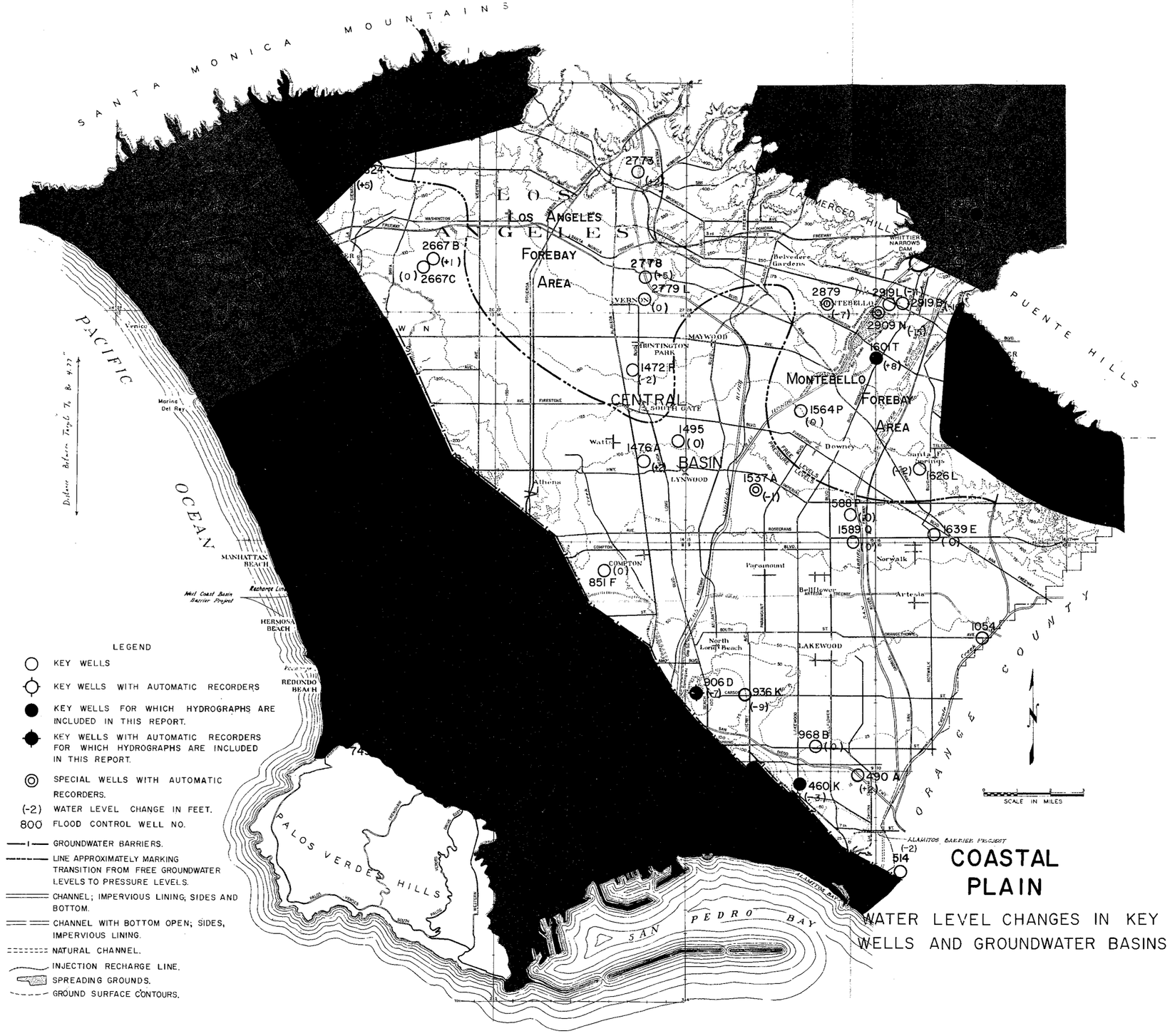
WATER CONSERVATION FACILITIES in the San Fernando Valley



WATER CONSERVATION FACILITIES
In The
San Gabriel Valley

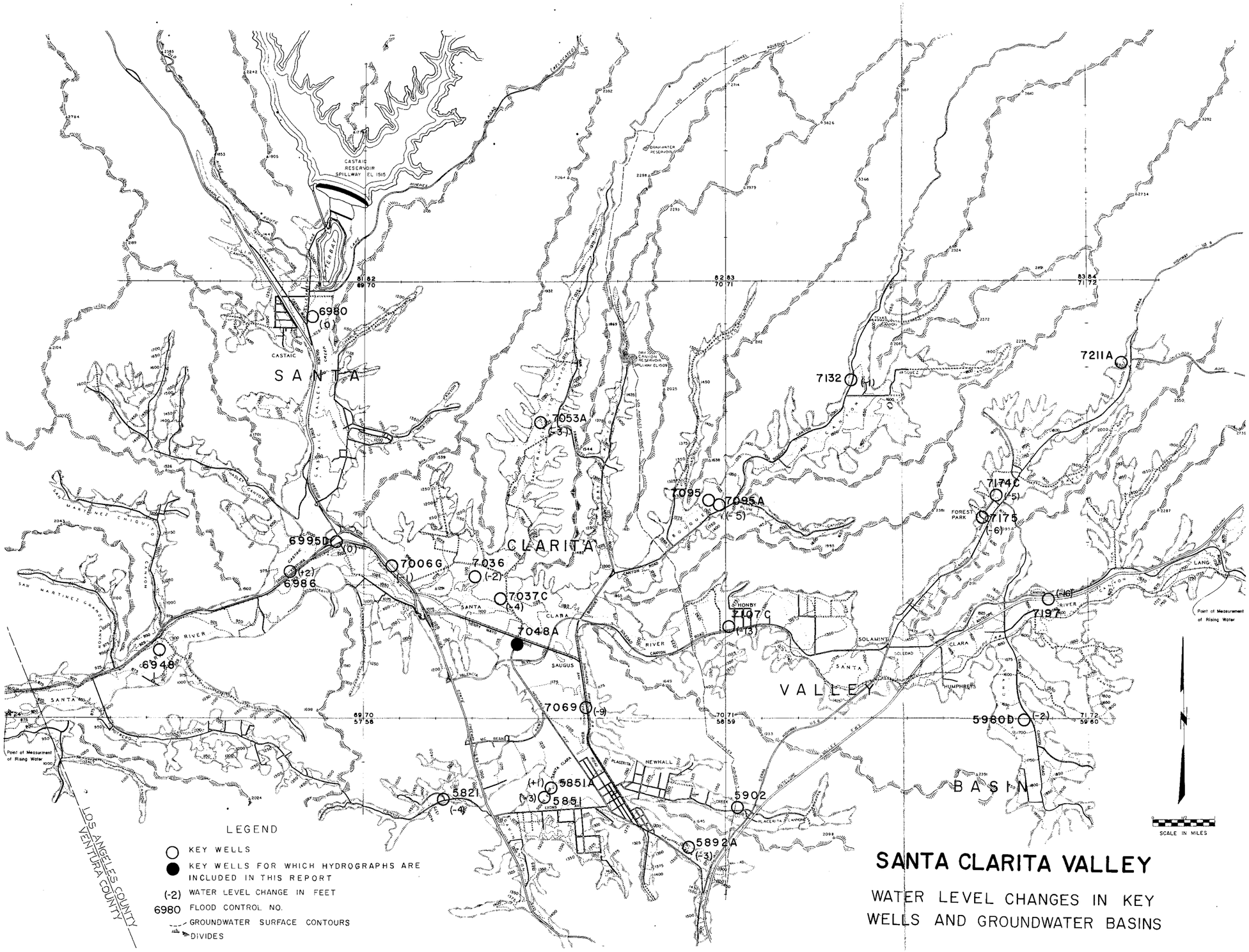


WATER CONSERVATION FACILITIES in the Coastal Plain



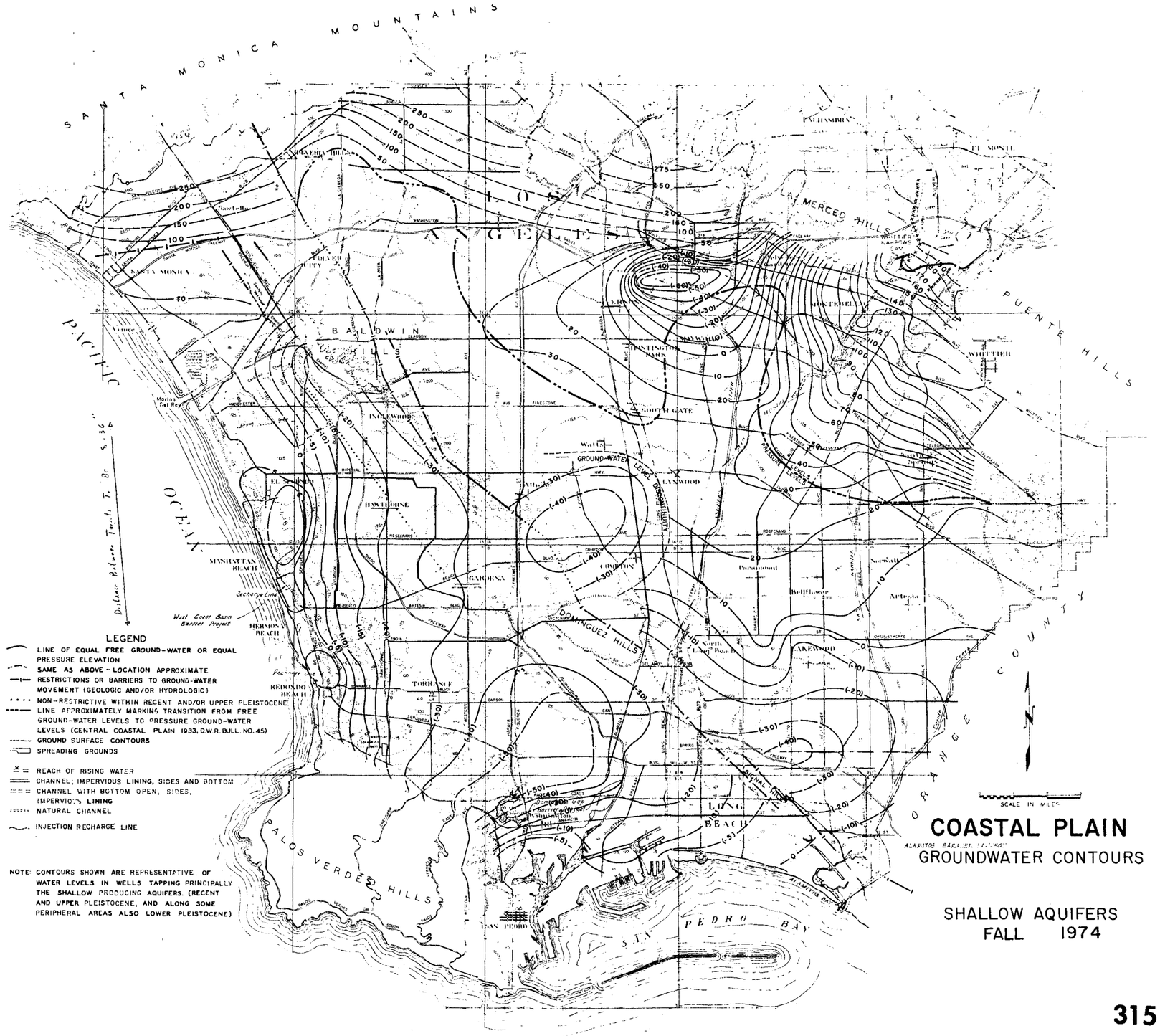
COASTAL PLAIN

WATER LEVEL CHANGES IN KEY WELLS AND GROUNDWATER BASINS



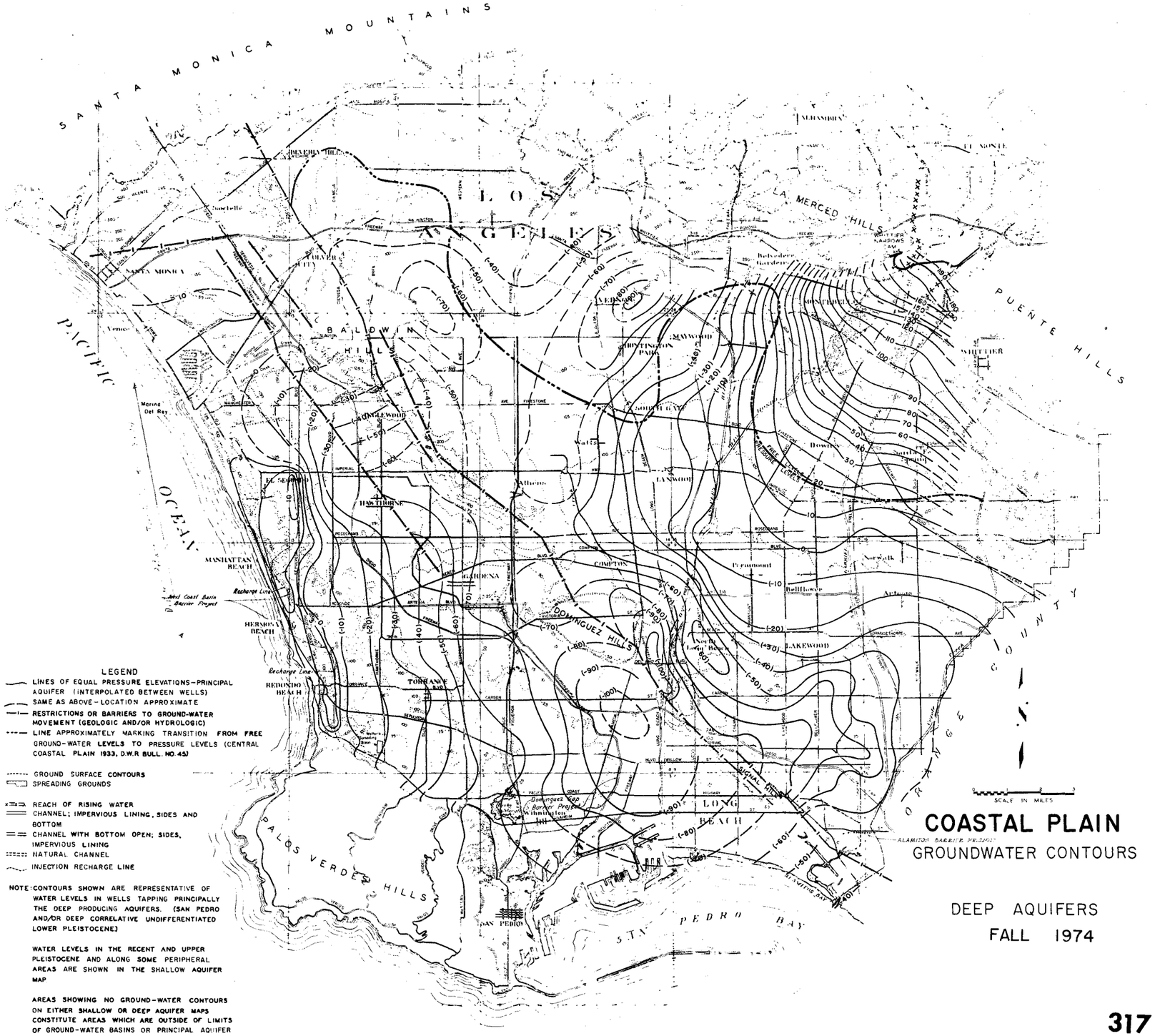
SANTA CLARITA VALLEY

WATER LEVEL CHANGES IN KEY WELLS AND GROUNDWATER BASINS



COASTAL PLAIN
GROUNDWATER CONTOURS

SHALLOW AQUIFERS
FALL 1974



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
- REACH OF RISING WATER
- 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.

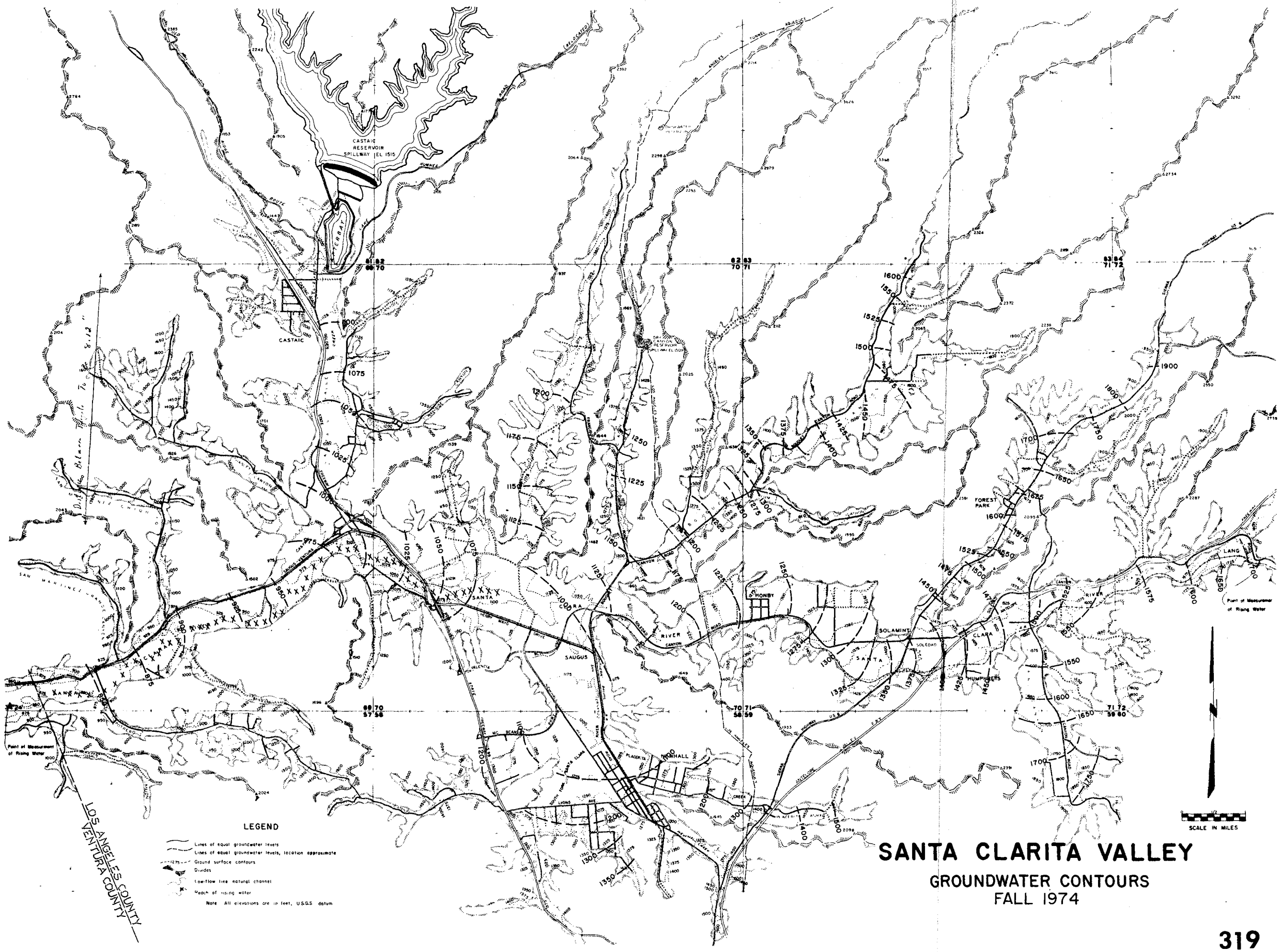
COASTAL PLAIN

ALAMITOS BARRIER PROJECT

GROUNDWATER CONTOURS

DEEP AQUIFERS

FALL 1974



SANTA CLARITA VALLEY

GROUNDWATER CONTOURS
FALL 1974