

**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT**

**HYDROLOGIC
REPORT**

1973 - 74

PREPARED IN THE

HYDRAULIC AND WATER CONSERVATION DIVISIONS

OCTOBER 1, 1975

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INTRODUCTION

This report contains hydrologic data within Los Angeles County for the period beginning October 1, 1973 and ending September 30, 1974. 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 - lists all locations for which streamflow data is on file and presents daily and seasonal runoff amounts for 46 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 87 debris basins and maps of major watershed burns.
6. Water Quality Monitoring - presents maps of surface and groundwater sampling 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 Several tables appear listing locations where unpublished data are available.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



San Gabriel River Spreading Grounds

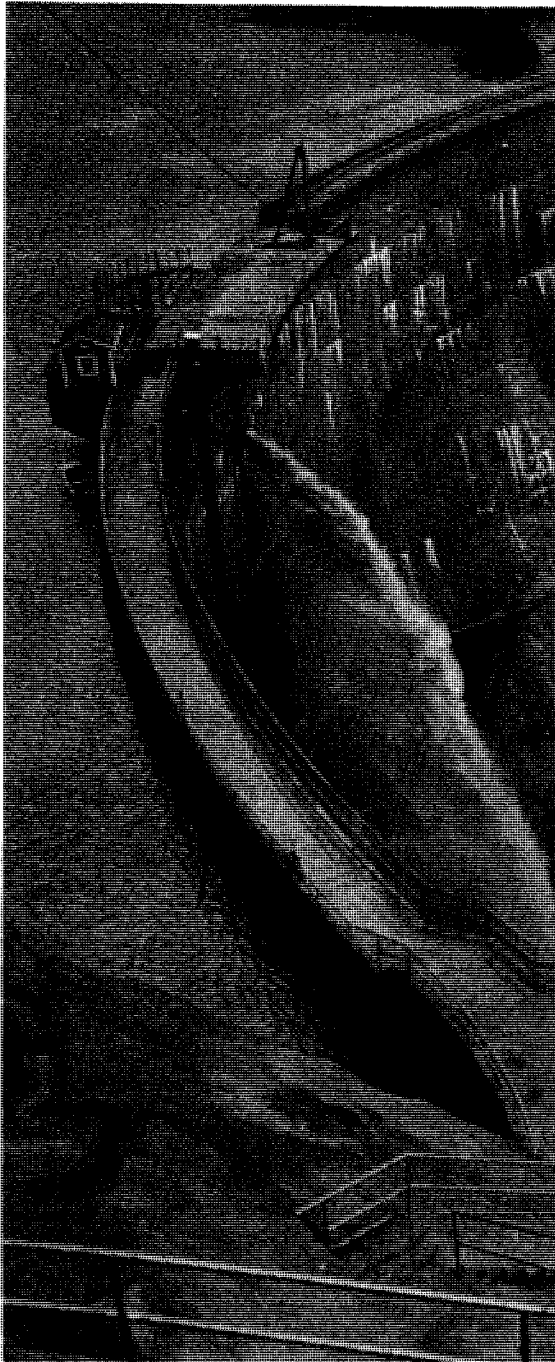
SUMMARY OF THE 1973-74 SEASON

RAINFALL

Average rainfall over Los Angeles County was 14.09 inches (90 per cent of normal). Rainfall amounts vary considerably throughout the County, ranging from 11 inches on the Coastal Plain, to 35 inches in the mountains and then dropping sharply to 5 inches in the desert. For the past season, these amounts were 13.21 inches (96 per cent normal), 25.28

inches (90 per cent normal), and 6.46 inches (87 per cent normal). Approximately 52 per cent of the rain fell during the largest storm of the year which occurred from January 4 through 9, with January 7 producing the largest single day rainfall.

Most snow fell during the January 4 through 9 storm. Crystal Lake, in the midst of the San Gabriel reservoir drainage area, reported 12 inches of snow on the ground on January 9. Big Pines Recreation Park reported 76 inches of snow on the ground on that same day.



Santa Anita Dam

RUNOFF

The average seasonal inflow to the District's reservoirs was 69 per cent of normal. Most peak flows throughout the County occurred on January 7, 1974. Peaks at streamflow recording stations did not exceed any past recorded events.

EVAPORATION

Evaporation for seven selected locations was 107 per cent of average.

FIRE

The largest fire occurred in the Rolling Hills area and burned approximately 900 acres.

EROSION

The average annual erosion rate into the District's debris basin was 1,400 cubic yards per square mile. The prior historical average was 6,800 cubic yards per square mile.

CONSERVATION

During the 1973-74 season, over 119,000 acre-feet of local water, 110,000 acre-feet of imported water, and 21,000 acre-feet of 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, 27,500 acre-feet of water were injected at the West Coast Basin Barrier Project, 7,800 acre-feet at the Dominguez Gap Barrier Project and 7,300 acre-feet at the Alamosa 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 mountainous and hilly reaches within the District are composed primarily of folded and faulted sedimentary rocks, including shale, sandstone, and conglomerate. Residual soils in these areas are shallow and are generally less pervious than those of the San Gabriel mountain range.

Valley and desert soils are alluvial and vary from coarse sand and gravel near canyon mouths to silty clay and gravel or clay in lower valleys and the coastal plain. The alluvial fill has been built up by repeated 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

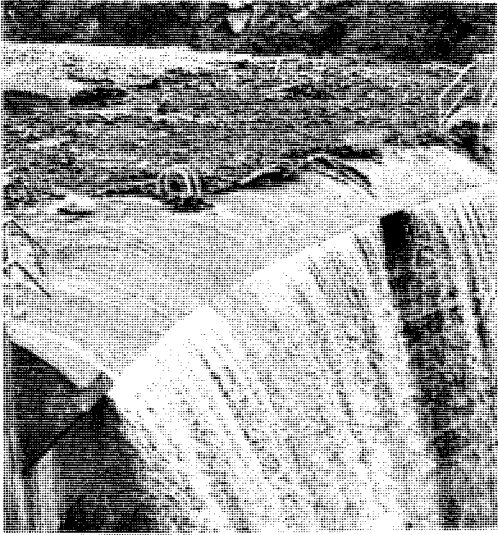
Mountain Areas

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

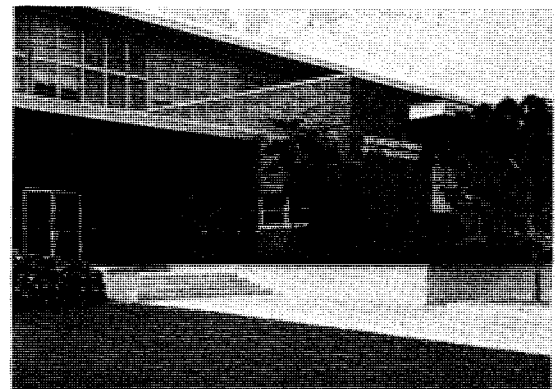
Federal legislation in 1936 brought the United States Army Corps of Engineers into the local flood control picture. Since that time, the two agencies have been jointly prosecuting construction of the Comprehensive Plan which is now nearing completion. The District also cooperates with the United States 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 beginning October 1, 1973, and ending September 30, 1974. 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, 1973, to October 28, 1973, and January 6, 1974, to September 30, 1974.

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 equipment is employed. Continuous seeding is accomplished by vaporizing a silver iodide-acetone solution and injecting it into a propane flame. The flame both crystallizes 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

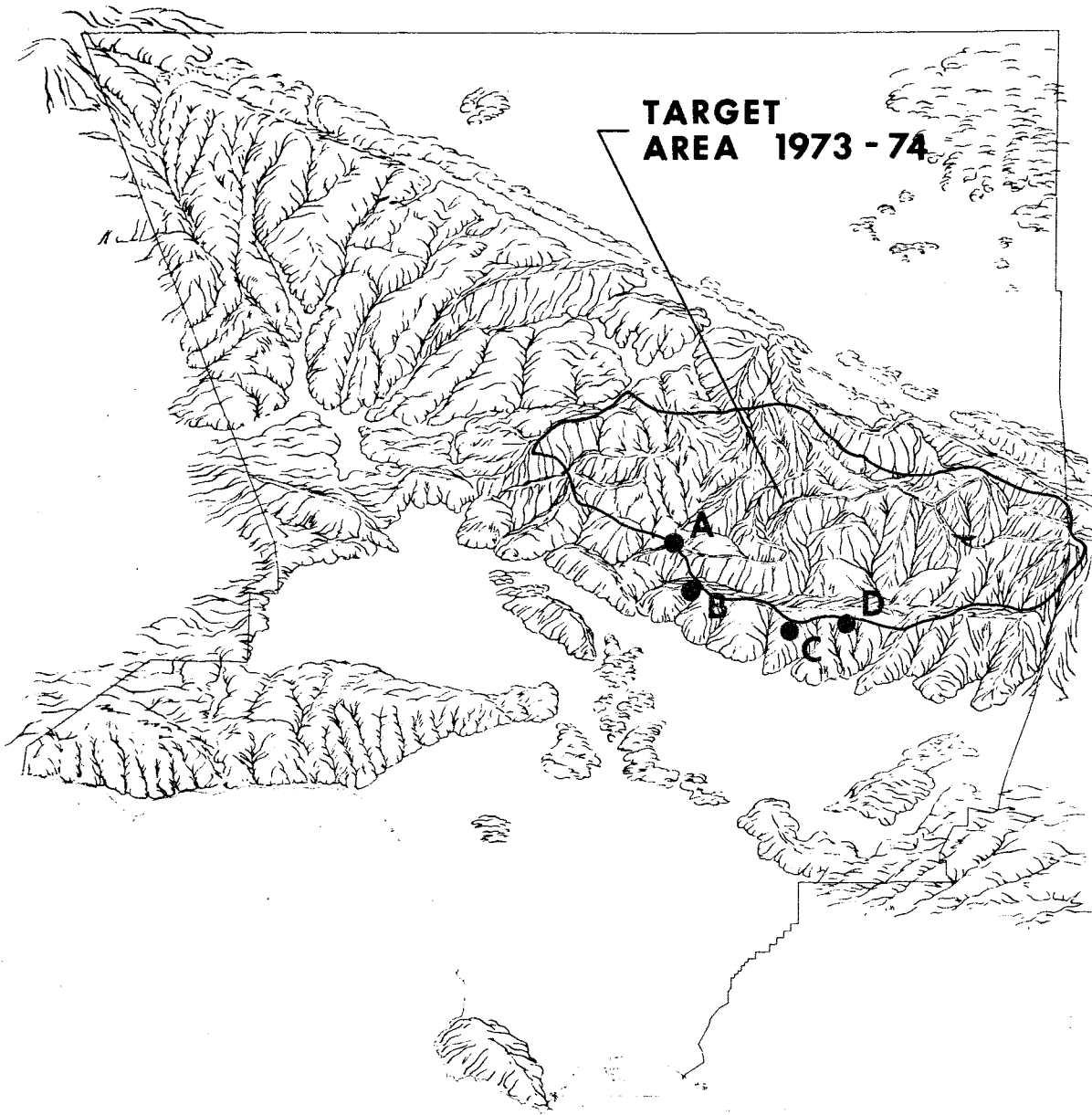
District personnel measure snow depths and densities at 12 locations periodically within the San Gabriel Mountains. The snow pack data presented herein are based on annual snow surveys conducted on or about April 1 of each year. The snow courses range in elevation from 5,800 feet to 8,500 feet and lie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



Mrs. Phoebe S. Corbell receiving a District award for 25 years of continuous volunteer service as a rainfall observer at Station 722C, Belleview.



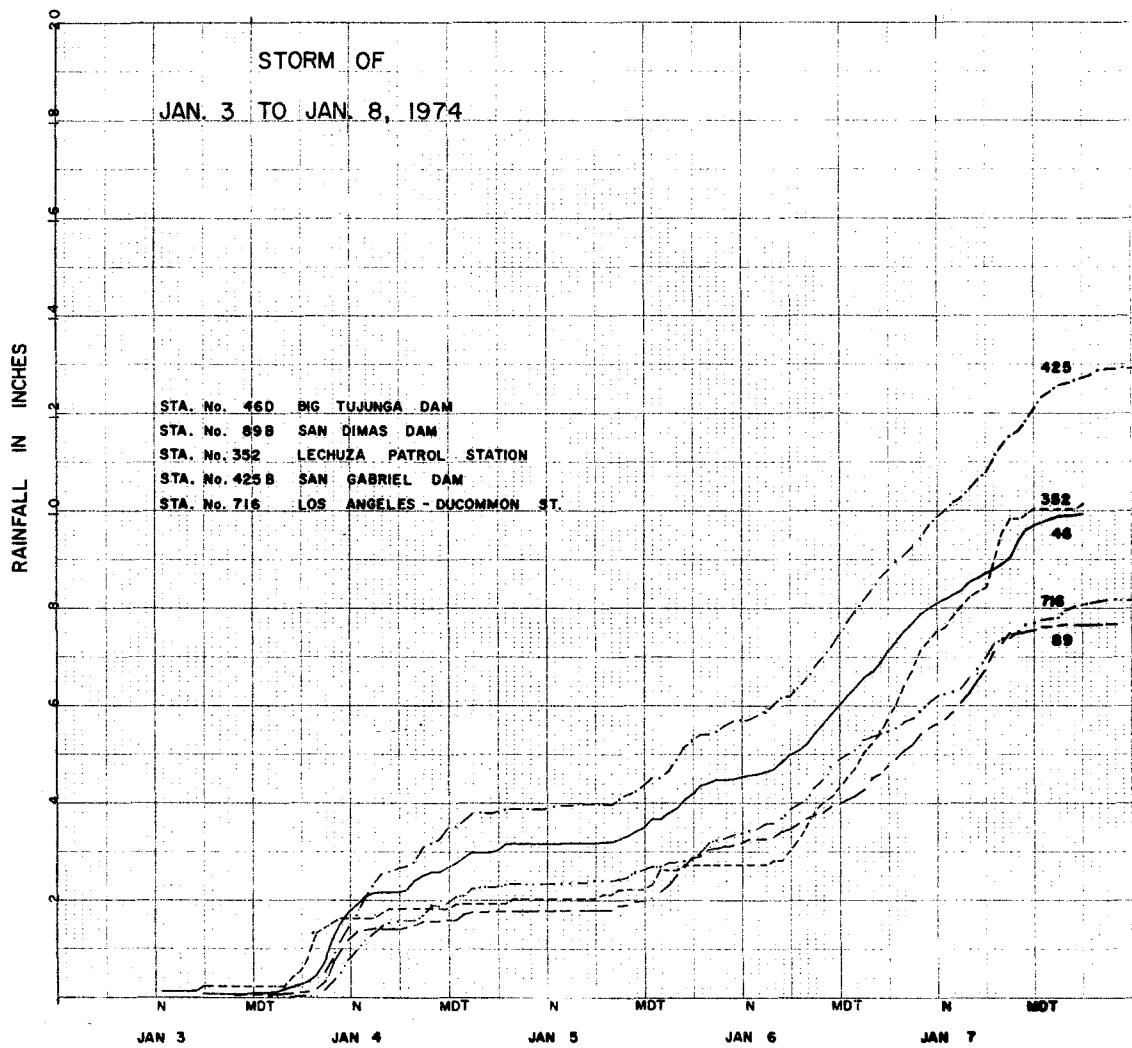
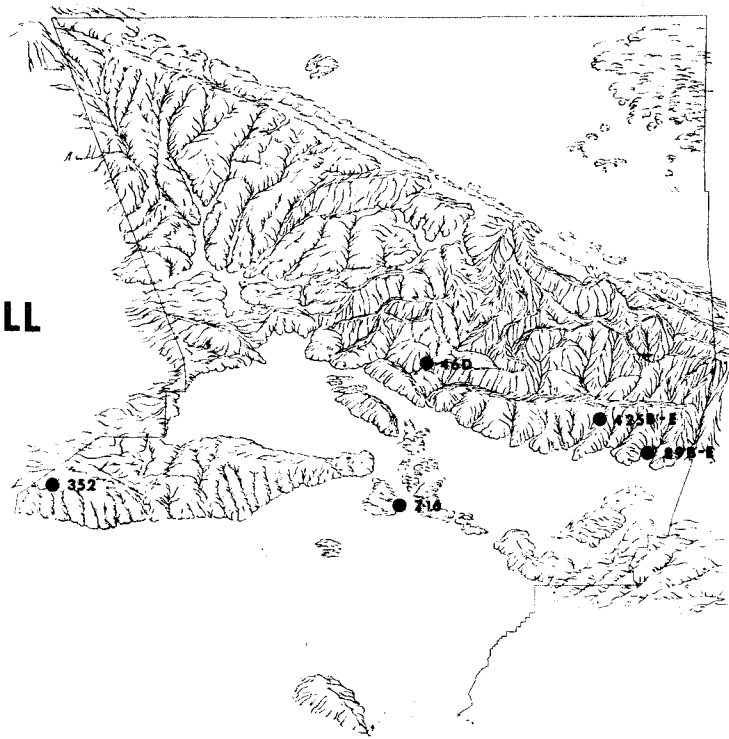
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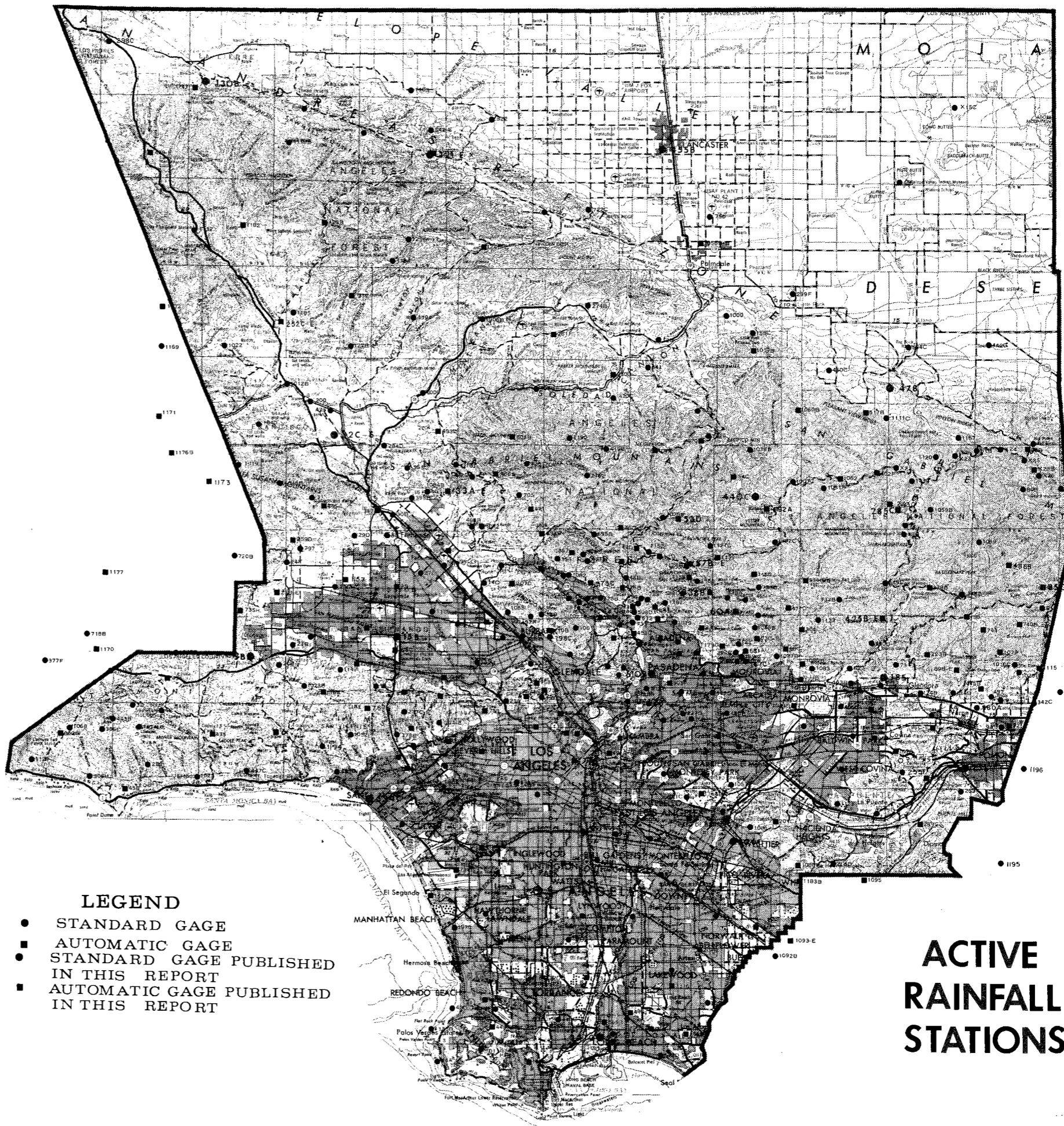
LOCATION

- A MONTE CRISTO FORESTRY GUARD STATION
- B MT. DISAPPOINTMENT
- C SPRING CAMP
- D PINE MOUNTAIN

WEATHER MODIFICATION SITES

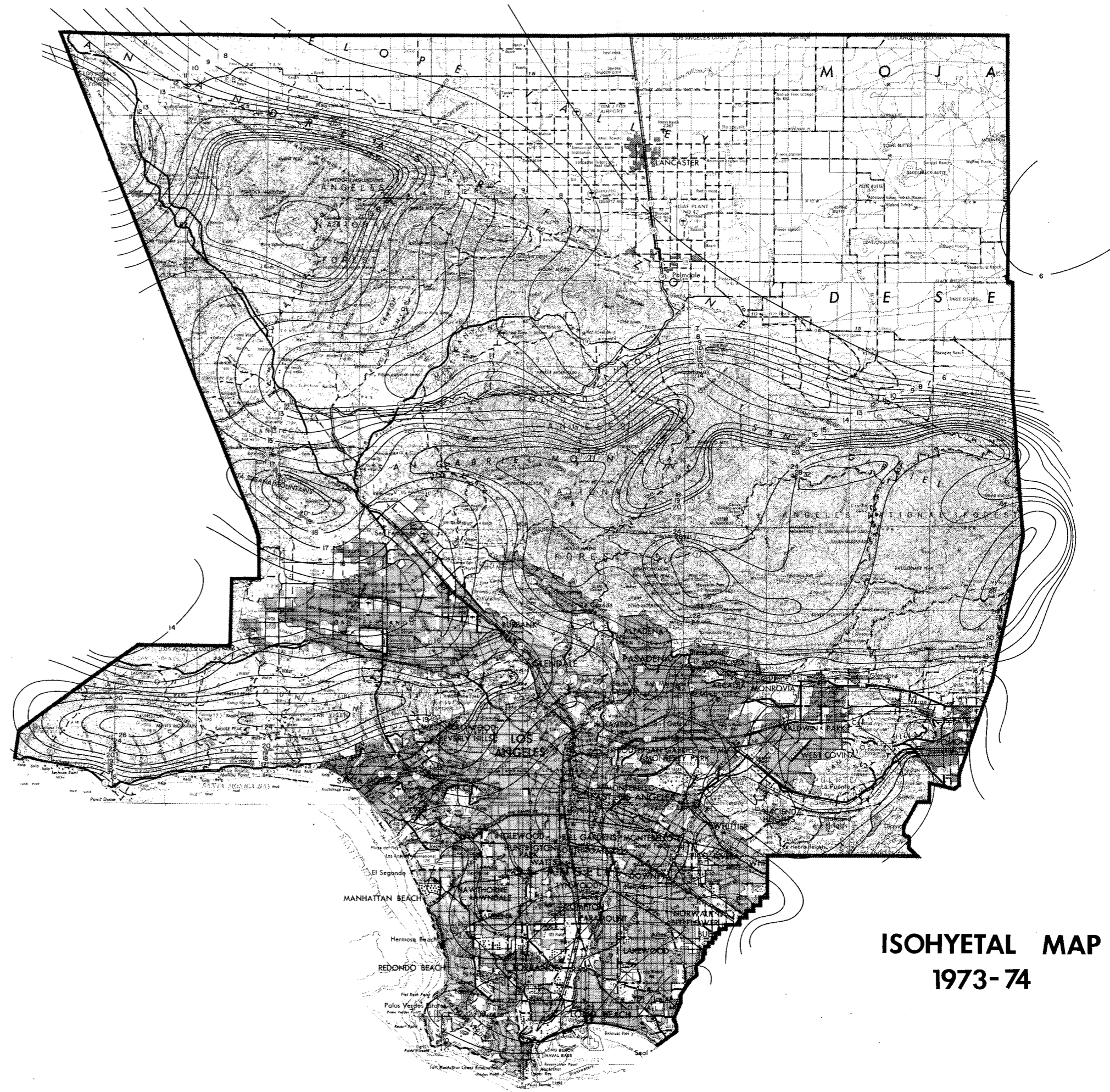
MASS CURVES OF RAINFALL AT SELECTED STATIONS





- LEGEND**
- STANDARD GAGE
 - AUTOMATIC GAGE
 - STANDARD GAGE PUBLISHED IN THIS REPORT
 - AUTOMATIC GAGE PUBLISHED IN THIS REPORT

**ACTIVE
RAINFALL
STATIONS 9**



**ISOHYETAL MAP
1973-74**

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 1973-74
2B	ESCONDIDO CANYON	S	48	1050	34-02-55	118-44-25	STEIN PETERSEN	20.62
3F	SEMINOLE HOT SPRINGS	S	47	925	34-06-25	118-47-30	JOHN E. LINDA MCCOY	21.91
4B	MALIBU LAKESIDE	S	61	800	34-06-00	118-45-16	HENRY BEARD	21.99
5B	CALABASAS	S	47	924	34-09-24	118-38-14	TOM FARMER	17.66
6	TOPANGA CANYON PATROL STATION	SA	47	745	34-05-03	118-35-57	TOPANGA CYN PAT STA PERSONNEL	25.30
9B	SEPIULVEDA & RAYEN	SP	46	828	34-13-52	118-24-04	GREEN ARROW NURSERY PERS.	15.48
10A	BEL AIR HOTEL	SA	46	585	34-05-13	118-26-45	LACEDO PERSONNEL	20.10
11C	UPPER FRANKLIN CANYON RESERVOIR	SPA	47	867	34-07-14	118-24-38	D.W.P. PERSONNEL	19.62
13B	NORTH HOLLYWOOD-HLIX	S	48	593	34-09-23	118-21-56	KATHIE HLIX	17.48
14C	ROSCOF-MERRILL	SP	47	1050	34-14-19	118-21-32	F.D. PETERSON	16.86
15A	YAN NUYS	S	49	695	34-10-48	118-27-03	A.A. SIMON	15.27
17	SEPIULVEDA CANYON AT MUDHOLLAND HIGHWAY	S	45	1425	34-07-51	118-29-26	FIRE STATION PERSONNEL	20.82
20H	GIRARD RESERVOIR	S	53	98A	34-09-07	118-36-36	D.W.P. PERSONNEL	17.40
21B	WOODLAND HILLS	S	62	875	34-10-14	118-35-33	LITTON INDUS CORP PERSONNEL	14.83
23B-E	CHATSWORTH RESERVOIR	SP AP	49	900	34-13-44	118-37-18	D.W.P. PERSONNEL	14.43
24F	CHATSWORTH	S	46	948	34-15-20	118-36-36	MRS PAUL NENTON	15.87
25C	NORTHRIDGE-L.A. DEPT. WEP	SP	44	810	34-13-52	118-37-28	D.W.P. PERSONNEL	13.80
27B	PACIFICA-RADDATZ RANCH	S	49	902	34-14-57	118-26-40	GLEN C. RADDATZ	15.04
28G	SAN FERNANDO	SP	34	967	34-16-36	118-28-06	ROSS GUILF	15C
29D	GRANADA HILLS	S	47	1240	34-17-09	118-30-59	HELEN STRATHAUS	17.22
30R	SYLMAR	SP	55	1250	34-18-37	118-28-15	MIKE FUSANO	14.89
31	ORCUTT RANCH	S	26	2850	34-19-28	118-34-14	ESTELLA BLESSING	22.96
32C	NEWMALL-SOLFAD DIV HQTRS	S	47	1243	34-23-07	118-31-54	FIRE STATION PERSONNEL	15.34
33A-E	PACIFICA DAM	SA	49	1500	34-19-48	118-23-59	THOMAS WERTZ	16.91
39R	SUNSET DEHRIS HASIN	R.H.M	45	1610	34-12-18	118-17-05	LACEDO PERSONNEL	18.43
42C	REDONDO BEACH CITY HALL	S	44	70	33-50-43	118-23-20	F.W. ARNOLD	11.97
43D	PALOS VERDES ESTATES	S	49	216	33-47-58	118-23-29	KEN AYERS	11.95
44A	POINT VICENTE LIGHTHOUSE	S	47	125	33-44-30	118-24-38	LIGHT SUPERVISOR HSCG	9.46
46D-F	RIG TILUNGA DAM	SA	48	2315	34-17-40	118-11-14	JOHN FORRESTER	22.28
47D	CLEAR CREEK-CITY SCHOOL	SA	47	3150	34-16-34	118-10-12	CITY SCHOOL'S PERSONNEL	24.29
48H	DAK WILDE	S	47	2175	34-14-37	118-11-07	U.S.F.S. PERSONNEL	17.50
50B	LA CANADA-ARROYO SECD	S	47	1155	34-11-52	118-11-05	FIRE STATION PERSONNEL	20.29
51	FALLING SPRINGS	S	46	4010	34-18-06	117-50-20	TOM WATTENBERG	25.43
52D	WATERMAN GUARD STATION	SA	44	3300	34-15-54	118-08-37	LACEDO PERSONNEL	23.68
53D	COLHY'S	SA	77	3620	34-18-05	118-08-39	DONALD MILLER	21.21
54C	LODMIS RANCH - ALDER CREEK	SPA	58	4325	34-20-55	118-02-54	LACEDO PERSONNEL	18.20
57H-F	CAMP HI HILL (INDIANS)	SPA	57	4250	34-15-18	118-05-41	C. F. WIGGERS	35.81
5A	THIRTYVANT CAMP	S	43	3275	34-13-21	118-01-52	LOUIS LIENKERT	37.59
60A	HOGGERS	SA	49	2412	34-12-32	118-02-02	LOUIS LIENKERT	35.05
63C-F	SANTA ANITA DAM	SA	47	1400	34-11-03	118-01-12	ERNEST W. WUNDER	25.41
6A	SIFERRA MADRE-PEGLER RANCH	S	50	658	34-04-27	118-02-36	RICHARD F. LAWYER	18.29
68C	SAWPT DAM	SA	48	1375	34-10-30	117-59-07	JAMES T. MCGRAW JR.	24.08
73	GLENDORA-EMULEWILD RANCH	SA	48	1165	34-04-22	117-50-57	T. R. KENWAKI	15.46
78R	GOLDENROCK RANGER STATION	SA	26	8200	34-17-26	117-50-26	LACEDO PERSONNEL	28.48
80R	PRAIRIE FORK	ST	26	5640	34-20-20	117-41-30	LACEDO PERSONNEL	14.28
81R	VINCENT GAP	ST	21	6590	34-22-26	117-45-05	LACEDO PERSONNEL	24.10
82F	TAHLE MOUNTAIN	S	77	7420	34-22-56	117-40-39	FARL IVIE	25.88
83A	RIG PINES RECREATION PARK	SA	44	6860	34-22-45	117-41-20	U.S.F.S. PERSONNEL	20.11
85G	MT. HALDY GIKARD	SA	54	4275	34-14-12	117-39-32	U.S.F.S. PERSONNEL	26.90
89H-F	SAN DIMAS DAM	SA	50	1350	34-09-10	117-42-17	BILLY R. MCCARTY	19.09
91	INDIAN HILL-CLAREMONT	S	45	1403	34-07-22	117-43-11	L. A. KRUSE	14.08
92	CLAREMONT-POMONA COLLEGE	SA	42	1185	34-05-48	117-42-33	JACK C. MILLER	15.47
93H	CLAREMONT-POLICE STATION	R.H.M	47	1180	34-05-45	117-42-57	POLICE DEPT. PERSONNEL	15.46
95	SAN DIMAS-FIRE WARDEN	S	47	955	34-06-24	117-44-10	FIRE STATION PERSONNEL	14.08
96C-F	PUNNINGSTONE DAM	SA	47	1030	34-05-31	117-44-24	T. E. ARSPOEL	15.05
99R	AZUSA-FRITCHILL RANCH	S	57	415	34-07-57	117-53-32	LOUIE HIRATA	17.44
102C	WALNUT-PATROL STATION	S	47	488	34-00-12	117-52-14	FIRE STATION PERSONNEL	15.71
106C	WHITTIER CITY HALL	S	47	340	33-58-27	118-01-57	MARTHA HILEY	14.79
107C	DOWNEY-FIRE DEPT.	R.H.M	49	130	33-56-18	118-08-03	FIRE STATION PERSONNEL	14.51
108D	EL MONTE FIRE STATION	SA	47	275	34-04-30	118-02-30	FIRE STATION PERSONNEL	14.49
109H	WEST ARCADIA	S	49	547	34-07-42	118-04-22	FIRE STATION PERSONNEL	14.40
110H	ALHAMBRA CITY HALL	S	47	523	34-06-05	118-07-52	WATER DEPT. PERSONNEL	17.87
111	SOUTH PASADENA CITY HALL	S	47	600	34-04-58	118-04-05	FIRE STATION PERSONNEL	14.87
116D	INGLEWOOD FIRE STATION	SA	52	153	33-57-54	118-21-22	FIRE STATION PERSONNEL	13.88
117F	COMPTON-FIRE STATION	S	50	78	33-53-42	118-13-34	FIRE STATION PERSONNEL	12.76
118C	WILMINGTON	S	44	40	33-47-27	118-19-39	H. F. FRICKSON	12.42
119G	SAWTELLE-SOLDIERS HOME	S	78	345	34-03-21	118-27-20	VET. ADMIN. PERSONNEL	17.45
120	VINCENT PATROL STATION	S	48	3135	34-29-17	118-04-27	FIRE STATION PERSONNEL	7.14
122F	LEONIS VALLEY-RACKETT RANCH	S	46	3200	34-37-12	118-17-08	RACKETT RANCH	4.62
124H-F	ROBINHIT CANYON RESERVOIR	AP	47	3050	34-35-14	118-21-45	D.W.P. PERSONNEL	10.23
125H	SAN FRANCISCO CANYON POWER HOUSE NO. 1	SP	57	2105	34-35-25	118-27-15	D.W.P. PERSONNEL	13.89
126H	VENICE FIRE STATION	S	46	55	33-59-32	118-27-39	FIRE STATION PERSONNEL	14.50
127R	DRY CANYON RESERVOIR	SP	53	1511	34-28-55	118-31-32	EDWARD FIELDS	11.10
128R	ELIZABETH LAKE CANYON	SA	46	2075	34-36-28	118-33-40	ARTHUR L. STEWART	26.44
130R	SANDRERG-OHAIL LAKE PATROL	S	67	4025	34-44-37	118-42-43	ROBERT PHILLIPS	12.52
134R	SAN DIMAS-STEVENSON	S	46	1215	34-07-42	117-42-42	ALBERT L. STEVENSON	17.23
135	NORWALK	S	48	85	33-53-52	118-04-00	CHARLES J. HARGITT	12.68
140C	SAWTELLE	AP	48	250	34-02-43	118-26-55	L.A. CITY PERSONNEL	14.58
143R	AZUSA-CITY PARK	S	46	610	34-08-03	117-54-17	ARTHUR H. BRADY	16.01
144	SIFERRA MADRE DAM	S	46	1100	34-10-34	118-02-32	L. CINNAMON	23.05
154C	LITTLE ROCK CREEK	S	40	3120	34-29-45	118-01-33	U.S.F.S. PERSONNEL	7.02
156	LA MIRADA-STANDARD OIL COMPANY	SA	51	8A	33-53-13	118-00-56	STANDARD OIL CO. PERSONNEL	12.82
157C	EL SEGUNDO-STANDARD OIL COMPANY	S AP	46	150	33-54-57	118-25-05	STANDARD OIL CO. PERSONNEL	12.05
158	TANAROK PLATS	SP AP	46	2750	34-12-20	117-45-40	U.S.F.S. PERSONNEL	22.03
167C	ARCADIA PUMPING PLANT NO. 1	S	45	611	34-04-31	118-02-02	FIRE STATION PERSONNEL	18.91
169	SIFERRA MADRE PUMPING PLANT	SP	49	700	34-04-47	118-02-21	L. CINNAMON AND C. ASKEW	19.77
170F	PATERFIGHT MOUNTS	S	48	285	34-02-32	118-04-44	S. CALVIN EDINGER	13.96
172H	DIARTE	S	33	548	34-08-26	117-58-02	JACK L. GIMKRESS	19.19
174H	GLENDORA-WARRREN	S	51	930	34-07-43	117-49-08	FIRE STATION PERSONNEL	14.40
175H	LA CANADA IRRIGATION DISTRICT	S	51	2020	34-13-39	118-12-40	LA CANADA IRRIG. DIST. PERSONNEL	22.76
176	ALTADENA-KIHIO CANYON	SP	53	1125	34-10-55	118-08-15	CANDY WATER ASSOC. PERSONNEL	21.67
177F	LA CANADA-AP ROBERTS	S	62	1270	34-12-04	118-11-00	J.P. AP ROBERTS	14.56
178C	AZUSA VALLEY WATER COMPANY	SA	74	620	34-06-38	117-52-50	LACEDO PERSONNEL	15.80
179G	HAILEY DEHRIS HASIN	SA	79	1180	34-10-25	118-03-38	LACEDO PERSONNEL	22.88
185	GLENDORA-WEST	S	46	822	34-08-23	117-51-33	BRS. L.M. WEST	14.25
191R	LOS ANGELES-ALCAZAR	SA	27	400	34-03-66	118-11-54	LACEDO PERSONNEL	14.89
192C	HILL-FIRE STATION	R.H.M	45	145	33-58-45	118-11-16	CHIEF J.M. CARROLL	13.42
193H	COVINA TEMPLE	S	71	590	34-06-27	117-52-24	WILLIAM H. TEMPLE	15.48
194C	LA VERNE-FIRE STATION	S	44	1050	34-06-06	117-46-20	FIRE STATION PERSONNEL	15.56
194C	BRAND DEHRIS HASIN	R.H.M	43	925	34-11-04	118-16-32	LACEDO PERSONNEL	17.27

RAINFALL STATION LOCATION AND SEASONAL AMOUNT (CONTD.)

STN. NO.	STATION NAME	TYPE OF GAGE	YEARS OF RECORD	ELEV. OF GAGE	NORTH LAT.	WEST LONG.	OBSERVER	SEASONAL RAINFALL 1973-74
199D	HUNTINGTON PARK	S	47	175	33-59-00	118-13-47	FIREF STATION PERSONNEL	16.50
200	SAIGUS-SO. CAL. FDISIN CO. STATION	S	46	1096	34-25-21	116-34-26	S.C.E. CO. PERSONNEL	10.75
201C	ALTA MIKA RANCH	SA	45	845	33-59-40	117-59-31	LACFCO PERSONNEL	15.88
208R	ARTESIA	S	56	52	33-51-48	118-04-58	FIRE STATION PERSONNEL	11.64
210R	BRAND PARK	SA	45	1250	34-11-18	118-16-20	LACFCO PERSONNEL	18.36
213G	LOS ANGELES	SA	45	200	34-03-52	118-21-17	LACFCO PERSONNEL	17.80
21A	GLENDAL-EM-JONES	SP	47	615	34-09-54	118-14-01	JAMES F. JONES	16.96
219	PACIFICA WAREHOUSE COUNTY FORESTRY	S	44	955	34-15-21	118-24-24	FIRE STATION PERSONNEL	13.98
222C	LANKERSHIM PUMPING PLANT	SP	45	717	34-11-39	118-23-17	D.W.P. PERSONNEL	15.62
223H-F	HIG DALTON DAM	SA	45	1575	34-10-06	117-48-36	GERALD M. THOMASHEP	22.42
224C	LONG BEACH ALAMITOS LAND COMPANY	S	79	220	33-46-01	118-11-28	ALAMITOS LAND CO PERSONNEL	10.52
225	MONTANA RANCH	S	54	47	34-50-35	118-07-09	LAKEWOOD WATER DEPT. PERSONNEL	12.05
226R	BURBANK FIRE STATION	S	45	680	34-10-58	118-18-23	FIRE STATION PERSONNEL	15.28
2270	SAN GABRIEL-BURINGTON	S	43	472	34-06-18	118-06-32	A.E. HUNTINGTON	16.83
228A	BEVERLY HILLS-CITY HALL	S AP	49	755	34-04-27	118-23-57	FRED E. POWER	18.96
235C	HENNINGER FLATS	SP A	44	2550	34-11-38	118-09-17	F & F W PERSONNEL	28.23
237C-F	STONE CANYON RESERVOIR	SP	49	845	34-06-21	118-27-13	D.W.P. PERSONNEL	22.38
238	HOLLYWOOD DAM	SP	45	750	34-07-04	118-19-55	D.W.P. PERSONNEL	17.78
241C	LONG BEACH-CITY HALL	S AP	46	116	33-42-12	118-11-32	CITY OF LONG BEACH PERSONNEL	12.26
246C	CULVER CITY	SP	39	100	34-01-17	118-23-41	FIRE STATION PERSONNEL	16.27
250D	ACTON CAMP	SA	39	2625	34-27-02	118-11-55	ACTON CAMP PERSONNEL	6.97
251R	LA CRESCENTA	S	53	1440	34-13-20	118-14-40	LA CRFS. VAL. WATER DIST. PERS.	21.56
252C-F	CASTAIC DAM HQ	SP	11	1150	34-29-53	118-36-53	D.M.R. PERSONNEL	13.43
255F	MT. SAN ANTONIO COLLEGE-SPADNA	S	44	720	34-02-41	117-50-19	J.G. PARE	15.94
256C	POMONA FIRE STATION	S	56	844	34-03-16	117-45-10	FIRE STATION PERSONNEL	17.72
257	GRIFFITH PARK NURSERY	S	43	850	34-07-18	118-17-04	WILLIAM S. TOLIN	18.39
2590	CHATSWORTH-TWIN LAKES	SA	44	1275	34-16-43	118-35-41	D.C. CUMBREATH	16.24
261F	ACTON-FSCINDION CANYON	SA	78	2960	34-29-42	118-16-22	LACFCO PERSONNEL	9.52
265D	PUEBLO HILLS	S	49	645	33-57-08	117-55-26	P.J. WEISEL JR.	15.35
269C	DIAMOND BAR-HORSE CAMP	SP AP	44	870	33-59-40	117-48-54	U.S.C.E. PERSONNEL	15.01
272D	L.A. HEADWORKS PUMPING PLANT	S	44	670	34-09-21	118-18-02	J.V. ELLERMAN	19.35
274R	ACTON-HURRARD	SP	75	3490	34-31-31	118-13-58	MRS. GUY S. LEE	7.08
275	SAN MARINO-HUNTINGTON LIBRARY	3MP	54	670	34-07-38	118-06-48	LIBRARY PERSONNEL	18.24
277	SANMILL MOUNTAIN RANCH	S	43	3700	34-43-15	118-35-00	RANCH PERSONNEL	14.35
278R	LOS ANGELES-CLARK MEMORIAL LIBRARY	S	44	203	34-02-00	118-18-46	FRANK ORDON	15.45
280C	SACRED HEART ACADEMY	SA	47	1600	34-10-54	118-11-08	LACFCO PERSONNEL	19.27
283C	CRYSTAL LAKE	SA	47	570	34-19-02	117-50-28	U.S.F.S. PERSONNEL	28.52
284D	PLACERITA CANYON	S	44	1485	34-22-37	118-28-43	SAM HURT	16.06
285C	MOUNT ST. MARY'S COLLEGE	S	44	1025	34-05-10	118-28-57	MARTIN HULLINGER	1MC
287R	GLENDORA	R. R11H	45	785	34-08-09	117-51-52	CITY OF GLENDORA PERSONNEL	18.19
289	LAGUNA-BELL-S.C.E.CO. SUBSTATION	SP	44	140	33-58-37	118-08-48	S.C.E.CO. PERSONNEL	13.59
290R	MONTREY PARK-FIRE STATION	S	24	305	34-02-27	118-07-42	FIRE STATION PERSONNEL	14.88
291	L.A.-94TH 2ND CENTRAL	SA	44	121	33-56-56	118-15-17	LACFCO PERSONNEL	14.30
292D-F	ENCINO RESERVOIR	S AP	46	1075	34-08-56	118-30-57	F.F. HARDIN	18.09
293F	VAN NIRMAN LAKE - LOWER	SP	46	1150	34-17-18	118-28-54	D.W.P. PERSONNEL	16.70
294R	SIERRA MADRE-MIKA MONTE PUMPING PLANT	SP	44	985	34-10-11	118-02-51	C. ASKEW AND L. CINNAMON	22.75
298R	GORMAN	S	37	3680	34-13-14	118-49-55	DEWEY RALPH	9.38
298C	GORMAN - SHERIFF	S	2	3835	34-47-47	118-51-27	J. SWALES	16.80
299F	LITTLE ROCK	S	44	2800	34-32-12	117-58-43	REHREN J. SCHWAB	1MC
303F	PASADENA-CAL TECH	SA	43	800	34-06-14	118-08-25	DR. N.H. BRIDGES	19.45
304	SAWPIT CANYON-DEER PARK	SA	44	2690	34-11-38	117-57-52	LACFCO PERSONNEL	33.10
306H	ZUMA BEACH	S	34	15	34-01-15	118-49-42	L.A.CO. LIFE GUARDS	14.69
321-F	PINE CANYON PATROL STATION	SA	43	3286	34-40-24	118-25-45	FIRE STATION PERSONNEL	17.02
322	MINZ VALLEY RANCH	S	44	2600	34-42-50	118-21-15	ARNOLD MINZ	8.71
334H-F	COGSWELL DAM	SA	42	2300	34-14-37	117-57-35	K.A. WINDER	28.34
335C	HACIENDA HEIGHTS	S	8	585	33-58-45	117-58-26	CHUCK DALEO	1MC
336-F	SILVER LAKE RESERVOIR	SP AP	44	445	34-06-08	118-15-54	D.W.P. PERSONNEL	16.70
338A	MT. WILSON OBSERVATORY	S	42	5675	34-13-32	118-03-21	T. CRAGG	36.82
338R	MT. WILSON AIRWAYS	SP A	35	5709	34-13-36	118-03-57	MARCIA E. WIMM	43.18
341	ALISO CANYON-HUUM RANCH	S	43	2900	34-27-33	118-09-20	ELIZABETH WILLET	7.95
342C	UPLAND EUCLID PUMPING PLANT	SP AP	47	1610	34-07-33	117-40-52	THOMAS R. CHAPPELL	16.15
347-E	BALDWIN PARK EXPERIMENTAL STATION	S	42	386	34-05-36	117-57-40	LACFCO PERSONNEL	15.99
348D	EAST FORK N.S.	ST	22	2075	34-14-20	117-46-09	LACFCO PERSONNEL	23.82
349D	CAMP KINGDOM	S R. R11H	47	1510	34-14-28	117-51-45	LACFCO PERSONNEL	22.13
352R	LECHUZA PATROL STATION	SA	47	1620	34-04-38	118-52-47	FIRE STATION PERSONNEL	22.15
355H	LOS ANGELES-CITY COLLEGE	S AP	41	310	34-05-14	118-17-28	METROBIOLOGICAL DEPARTMENT	16.25
356C	SPADNA-PACIFIC COLONY	SA	30	690	34-02-31	117-48-35	J. F. STUHL	16.78
357	VAN NIRMAN LAKE-UPPER	SP AP	44	1248	34-18-49	118-29-30	D.W.P. PERSONNEL	17.56
363C	WILSON CANYON	ST	19	3175	34-21-17	118-27-00	LACFCO PERSONNEL	M.R.
364R	HAINES CANYON-LOWER	S	56	2530	34-15-56	118-16-07	JAMES P. KINDRED	21.39
365C	MT. LUKENS	SP	28	5040	34-16-05	118-14-06	U.S.F.S. PERSONNEL	18.82
367	HAINES CANYON-UPPER	SP A	41	3440	34-16-18	118-15-07	JAMES P. KINDRED	24.58
372	SAN FRANCISCO POWER HOUSE NO. 2	SP A	44	1580	34-32-02	118-31-27	D.W.P. PERSONNEL	15.45
373C	HIGGS TERRACE	SA	40	2200	34-14-17	118-13-27	R.T. SIENS	23.84
377F	LAKE SHERRWOOD ESTATES	SP	59	960	34-08-26	118-52-31	FIRE STATION PERSONNEL	17.77
379H	SAN GABRIEL-EAST FORK	SA	41	1600	34-14-09	117-48-18	LACFCO PERSONNEL	22.40
386C	ZUMA CANYON-OAKLEY	S	39	1500	34-04-58	118-49-38	BETRIEZ OAKLEY	27.00
387R	COVINA CITY YARD	SP	39	508	34-05-02	117-53-57	CITY OF COVINA PERSONNEL	15.17
388D	PARAMOUNT-CITY FIRE STATION	R. R11H	39	80	33-53-50	118-10-02	FIRE STATION PERSONNEL	10.99
390R-F	MORRIS DAM	SP	44	1210	34-10-53	117-52-43	EVERETT PUTNAM	23.00
391C	MONTPELLIER-FIRE DEPARTMENT	R. R11H	37	250	34-01-08	118-06-15	FIRE STATION PERSONNEL	13.78
394	HIGHLAND PARK-LINDSAY	S	79	620	34-07-06	118-10-39	MRS. ELIZABETH S. STEVENS	17.10
395H	OLIVE VIEW SANITARIUM	S	40	1425	34-19-29	118-26-59	LACFCO PERSONNEL	17.68
402F	CFRAR SPRINGS	SA	36	6780	34-21-21	117-52-34	LACFCO PERSONNEL	28.35
405H	SOLEDAD CANYON	S	38	2150	34-26-23	118-17-33	H. CHAPMAN	12.55
406C	WEST AZUZA	S	38	505	34-06-53	117-54-56	L. BRIDGMAN & F. HECK	16.21
409E	RIDGE ROUTE-STATE HWY MAINTENANCE STATION	SP AP	38	2505	34-40-34	118-46-47	D.W.P. PERSONNEL	11.22
415	SIGNAL HILL-CITY HALL	SA	37	140	33-47-49	118-10-03	M. A. WEFKS	11.56
419H	SANTA CLARA RIDGE-MT. GLEASON	ST	34	5420	34-22-36	118-12-23	LACFCO PERSONNEL	17.13
420C	ACTON-COLUMBO RANCH	S	37	3000	34-25-41	118-11-52	CHRISTOPHER C. BREVINERD	8.29
422G	PACIFICA CANYON	S	39	2075	34-20-51	118-22-20	GERENA CHAMPION	18.80
423A	ALISO CANYON-WAGON WHEEL RANCH	S	37	3910	34-24-56	118-05-26	LACFCO PERSONNEL	18.05
425H-F	SAN GABRIEL DAM	SA	36	1481	34-12-19	117-51-38	TIMMY H. FROGUE	25.33
432	SANTA ANITA-FERN LODGE	S	36	2035	34-12-32	118-01-03	LOUIS LIEFKERT	31.08
433C	FAIR OAKS DEHRIS HASIN	SA	36	1585	34-12-15	118-08-18	LACFCO PERSONNEL	23.08
434	AGUANA	SA	36	800	34-08-08	118-45-08	FIRE STATION PERSONNEL	14.91
435	MONTA VISION	SA	36	400	34-04-41	118-41-35	FIRE STATION PERSONNEL	22.96
436C	HANSEN DAM	AP	36	1110	34-16-04	118-23-59	U.S.C.E. PERSONNEL	15.49
437	HAMILTON HOLLOW-LONG BEACH	S	36	60	33-67-34	118-10-16	F. BRADY	11.21
440C	CHILAN-HSES CAMP	S	35	5220	34-20-00	118-01-23	U.S.F.S. PERSONNEL	1MC

RAINFALL STATION LOCATION AND SEASONAL AMOUNT (CONTD.)

SEASONAL RAINFALL
1973-74

STA. NO.	STATION NAME	TYPE OF GAGE	YEARS OF RECORD	ELEV. OF GAGE	NORTH LAT.	WEST LONG.	OBSERVER	SEASONAL RAINFALL 1973-74
442C	MESCAL CREEK	S	35	3570	34-29-05	117-44-10	M. J. PAHL	5.77
443R	LATIGO CANYON-HEACH RANCH	S	45	1700	34-05-35	118-48-52	MRS. A. D. HEACH	26.19
444E-F	ROLLING HILLS-SOUTH COAST BOT. GARDENS	A	35	400	33-47-00	118-20-35	BOTANICAL GARDENS PERSONNEL	15.20
445K	LIVE OAK DAM	R.R.I.M.A.	35	1510	34-08-02	117-44-38	LACFCO PERSONNEL	16.77
446	ALISO CANYON-DAT CANYON	S	35	2367	34-18-53	118-33-25	RICHARD F. WOFF	20.48
447C	CARHON CANYON	S	35	50	34-02-18	118-38-56	FIRE STATION PERSONNEL	17.04
449H	FATON WASH DAM	SA	37	889	34-10-06	118-05-33	JOHN C. HARR	20.03
453C	DEVILS GATE DAM	S AP	35	1090	34-11-00	118-10-19	RICHARD F. GARRISON	19.74
455H	LANCASTER-STATE HWY MAINTENANCE STATION	S	35	2395	34-40-57	118-08-02	HIGHWAY MAINTENANCE PERSONNEL	5.37
456	PIUTE HUTTE	S	34	2680	34-39-02	117-50-57	WILLIAM SCHIFFENBERGER	5.34
45H	ZIIMA CANYON PATROL STATION	SA	34	115	34-01-10	118-47-42	FIRE STATION PERSONNEL	15.99
460C	PLEASANT VIEW MESA	S	34	3969	34-27-40	117-55-51	JAMES W. STEELE	6.75
462H	HILLCREST COUNTRY CLUB-LOS ANGELES	S	34	185	34-02-54	118-24-06	DAVID MASTRALDO	17.71
465C	SEPULVEDA DAM	AP	29	683	34-10-06	118-28-11	U.S.C.E. PERSONNEL	15.85
466H	PACIFICA CANYON-DUTCH LOUIE CANYON	SA	33	3220	34-21-07	118-20-38	LACFCO PERSONNEL	22.58
46R	PICKENS DEHRIS BASIN	R.R.I.M.	31	1600	34-13-18	118-13-45	LACFCO PERSONNEL	24.08
470	TUJUNGA-HILL CREEK	SA	33	4600	34-23-09	118-05-25	LACFCO PERSONNEL	18.43
471	LITTLE TUJUNGA-GOLD CREEK	AP	33	2750	34-14-57	118-18-02	U.S.C.E. PERSONNEL	19.63
474H	SOUTH GATE FIRE STATION	S	33	130	33-57-23	118-12-43	FIRE STATION PERSONNEL	15.69
475	SAIGUS-NEWMALL LAND AND FARMING COMPANY	S	33	1150	34-24-56	118-32-51	NEWMALL FARMING CO. PERSONNEL	12.35
477D	SANTA ANITA-SPRING CAMP	SA	33	4715	34-13-06	117-58-39	R.A. WINDER	30.00
478	VALYERMO-HSFS HEADQUARTERS	SP	32	3710	34-26-44	117-51-10	U.S.F.S. PERSONNEL	8.49
480H	TEMPLE CITY FIRE STATION	S	29	404	34-04-31	118-03-25	FIRE STATION PERSONNEL	19.24
482	LOS ANGELES-HSC	S	32	208	34-01-14	118-17-15	STANLEY S. HUITLER	14.51
486H	COLDWATER CYN-WIDMAN RANCH	ST	31	3460	34-15-49	117-42-41	J.W. WIDMAN	8.8
488H	KAGEL CANYON PATROL STATION	S	31	1450	34-17-45	118-22-30	FIRE STATION PERSONNEL	16.17
491C	PACIFIC PALISADES	S	30	280	34-02-34	118-32-09	PHYLLIS GENDVES	16.14
492A	CHILANO-STATE HIGHWAY MAINTENANCE STATION	SA	30	5280	34-19-02	118-00-30	LACFCO PERSONNEL	22.08
493D	SAND CANYON-MCMILLAN	SA	30	1805	34-23-17	118-24-50	FIRE STATION PERSONNEL	18.34
497	CLAREMONT-SLAUGHTER	R.R.I.M.P.	26	1350	34-07-35	117-43-55	FRANK E. SLAUGHTER	15.12
49H	ANGELES CREST HWY DARK CANYON TRAIL	S	30	2800	34-15-21	118-11-45	T. ARNDT	25.20
508D	ARROYO SECO RANGER STATION	S	62	1220	34-12-33	118-10-12	U.S.F.S. PERSONNEL	32.21
517H	ANDERSON RANCH (LEWIS RANCH)	SA	54	6415	34-25-12	117-53-11	PHIL LEWIS	12.41
542E-F	FARMINT	SP	65	3050	34-42-15	118-25-40	A.E. MAJORS	12.10
560A	LA VERNE HEIGHTS	S	31	1235	34-06-57	117-45-04	MAURICE L. HAGEY	16.06
564C	LLANO	S	44	3390	34-29-13	117-50-02	R. HLALICK	4.88
565R	LONG HEACH-CITY AUTOMATIC	AP	27	11	33-47-16	118-12-08	CITY OF LONG HEACH PERSONNEL	12.24
566	LONG HEACH NO.1	SP AP	49	15	33-42-42	118-08-36	CITY OF LONG HEACH PERSONNEL	11.02
575C	LONG HEACH WEATHER HIRFAH	AP	46	63	33-46-28	118-11-28	CITY OF LONG HEACH PERSONNEL	12.41
588D	MOUNT LOUIE	ST	44	4435	34-13-37	118-06-33	LACFCO PERSONNEL	32.89
593R	NEWMALL RANCH	SP	62	675	34-24-08	118-44-10	NEWMALL FARMING CO. PERSONNEL	INC
610B	PASADENA-CITY HALL	SP	39	864	34-08-54	118-08-36	CITY OF PASADENA PERSONNEL	18.70
611C	ALTADENA GOLF COURSE	R.R.I.M.	75	1184	34-10-48	118-07-01	LACFCO PERSONNEL	20.42
612	PASADENA-CHLORINE PLANT	SA	58	1160	34-12-04	118-09-49	CITY OF PASADENA PERSONNEL	21.68
613B	PASADENA-HURLBUT FIRE STATION	SP	35	780	34-07-48	118-09-12	PASADENA FIRE DEPT. PERSONNEL	20.15
619	SAN ANTONIO CANYON SIERRA POWER HOUSE	S	69	3110	34-12-29	117-40-26	LACFCO PERSONNEL	25.09
627	SAN GABRIEL CANYON-POWER HOUSE	SP A	75	744	34-09-20	117-54-28	OTTO KIMSEF	21.00
634C	SANTA MONICA	SP	47	94	34-00-43	118-29-27	SANTA MONICA CITY PERSONNEL	14.67
647J	TUJUNGA	SP	57	1685	34-15-45	118-17-34	JAMES D. PARRA	20.22
672	EAGLE ROCK SO.CAL. EDISON CO. SUBSTATION	SP	40	950	34-09-02	118-10-57	S.C.E.CO. PERSONNEL	18.25
673D	ALAMITOS HAY	R.R.I.M.	46	15	33-45-13	118-07-51	LACFCO PERSONNEL	10.43
67H	PASADENA-SHELDON RESERVOIR	SP	34	1047	34-10-39	118-09-56	CITY OF PASADENA PERSONNEL	20.76
680H	WESTWOOD-HCLA	SP	42	430	34-04-10	118-26-30	MIREK HOROWSKI	17.85
681A	SIERRA MADRE RANGER STATION	S	36	935	34-10-15	118-01-54	HSFS PERSONNEL	21.87
683	SUNSET RIDGE GIARDO STATION	SP AP	33	2110	34-12-53	118-08-47	T. ARNDT	22.50
694F	BIG TUJUNGA CANYON	SA	18	1525	34-17-22	118-17-17	LACFCO PERSONNEL	18.54
695H	TUJUNGA CANYON-VOGEL FLAT	S	39	1850	34-17-12	118-13-32	U.S.F.S. PERSONNEL	26.23
703	GLENDALE-MCINTYRE	SP	35	603	34-09-00	118-14-27	P.T. MCINTYRE	16.68
705	ALDER CREEK-PARADISE RANCH	SP	32	2330	34-19-48	118-19-03	BRIAN EXPARZA	19.33
716	LOS ANGELES-DUCOMMUN STREET	SP AP	102	304	34-03-09	118-14-13	D.W.P. PERSONNEL	14.98
718H	THOUSAND OAKS	SP	31	810	34-10-63	118-50-54	VENTURA CO. FIRE DEPT. PERSONNEL	12.65
720H	SI M VALLEY-SUSANA KNOLLS	SP	32	1085	34-15-40	118-40-10	SUSANA KNOLLS FIRE DEPT. PERSONNEL	14.08
722C	HELLEVIEW	S	27	2880	34-37-23	118-13-55	PHOEBE S. CORWELL	8.15
725H	IRKINGHAM HOSPITAL	AP	29	728	34-11-13	118-30-17	U.S.C.E. PERSONNEL	14.26
727B	NEWCOMB PASS	S	29	4125	34-14-17	118-01-04	LACFCO PERSONNEL	30.95
72R	PACIFICA CANYON-CITY ROAD GIARD	SP	29	3175	34-21-42	118-18-25	T. ARNDT	25.42
731	OAK GROVE HOOKS USES FLOOD CONTROL	STP	29	1080	34-11-47	118-10-29	T. ARNDT	19.64
732R	ROBERTS CANYON-SAN GABRIEL WEST FORK DIVIDE	ST	28	4100	34-13-30	117-55-15	LACFCO PERSONNEL	30.91
734R	L.A. INTERNATIONAL AIRPORT	SP AP	33	105	33-56-25	118-23-44	U.S.W.R. PERSONNEL	10.91
735H	HELL CANYON	SA	22	895	34-11-40	118-39-23	LACFCO PERSONNEL	14.59
740H	SAN DIMAS CANYON-FERN NO.2	SP AP	33	5200	34-11-48	117-41-45	U.S.F.S. PERSONNEL	28.14
741	SAN DIMAS CANYON-UPPER EAST FORK	AP	40	2765	34-11-41	117-44-26	U.S.F.S. PERSONNEL	23.21
742C	SAN GABRIEL FIRE DEPT.	SP	35	445	34-06-11	118-05-56	FIRE STATION PERSONNEL	17.11
747	SANDBURG-AIRWAYS STATION	SP AP	42	4317	34-44-47	118-43-29	U.S.W.R. PERSONNEL	13.64
749H	HURRANK	SP AP	43	655	34-11-11	118-20-54	PUMP STATION OPERATORS	17.38
750	PALMDALE-F.A.A. AIRPORT	SP	16	2528	34-37-20	118-05-00	F.A.A. AIRPORT PERSONNEL	4.67
755	GRIFFITH PARK-LITTLE CANYON	AP	27	900	34-07-32	118-16-58	CITY OF L.A. PERSONNEL	18.08
757	GRIFFITH PARK-FERN DELL	AP	27	750	34-07-12	118-18-20	CITY OF L.A. PERSONNEL	19.24
758	GRIFFITH PARK-LOWER SPRING CANYON	AP	27	600	34-08-02	118-17-27	CITY OF L.A. PERSONNEL	18.44
759	NICHOLS DEHRIS BASIN	R.R.I.M.P.	27	440	34-06-22	118-24-00	CITY OF L.A. & LACFCO PERSONNEL	21.02
760H	STUDIO CITY-HEFMAN AVE	AP	27	627	34-08-58	118-24-24	CITY OF L.A. PERSONNEL	18.06
762	UPPER STONE CANYON	AP	27	943	34-07-27	118-27-15	CITY OF L.A. PERSONNEL	20.17
767	MANDEVILLE CANYON ROAD	AP	28	1160	34-06-24	118-30-10	CITY OF L.A. PERSONNEL	19.60
772	L.A.-ECHO PARK AND LUCRETIA	AP	27	475	34-05-02	118-15-11	CITY OF L.A. PERSONNEL	15.41
783	COON CANYON	SP AP	26	1350	34-12-47	118-10-12	T. ARNDT	21.14
784	COON CANYON	SP	26	2250	34-13-18	118-09-47	T. ARNDT	20.68
788	COON CANYON	SP	26	1710	34-12-56	118-10-00	T. ARNDT	21.35
789	FL PRIETO CANYON	SP	26	2325	34-13-32	118-09-19	T. ARNDT	23.25
794F	LOWER FRANKLIN RESERVOIR	SP	25	585	34-05-43	118-24-40	D. G. HODDER	18.11
795	PASADENA-JOURDAN	SP	26	705	34-08-52	118-05-14	CITY OF PASADENA PERSONNEL	17.87
796	FLYSIAN PARK-FIRE DEPT.	AP	26	757	34-04-55	118-14-22	CITY OF L.A. PERSONNEL	13.79
797	DE SOTO RESERVOIR	SP	26	1127	34-16-17	118-35-12	R. D. MCCLELLAN	16.01
801H	MAGIC MOUNTAIN	AP	27	4720	34-23-18	118-19-27	U.S.C.E. PERSONNEL	16.61
802E-F	EAGLE ROCK RESERVOIR	SP	25	970	34-08-47	118-11-20	E. LAZAR	16.92
807	ASCOT RESERVOIR	SP A	27	620	34-04-42	118-11-14	ALBERT ARROYO	16.41
1000	HUNT CANYON-HONES RANCH	S	28	3263	34-30-48	118-03-37	MRS. L. A. HONES	5.45
1005H	MINT CANYON FIRE STATION	S	28	2300	34-30-35	118-21-40	FIRE STATION PERSONNEL	10.11
1006	SAN PEDRO-CITY RESERVOIR	SA	30	150	33-46-37	118-17-47	CITY EMPLOYEES	12.25
1007C	CAMP VALCREST	S	28	5920	34-20-40	117-54-41	R.C. HANLOCK	17.93
1008E	LA FRESA-S.C.E.CO.	SA	67	45	33-52-07	118-19-55	S.C.E. CO. PERSONNEL	13.96

RAINFALL STATION LOCATION AND SEASONAL AMOUNT (CONTD.)

STA. NO.	STATION NAME	TYPE OF GAGE	YEARS OF RECORD	ELEV. FT. 6400	NORTH LAT.	WEST LONG.	OBSERVER	SEASONAL RAINFALL 1973-74
1009	MINT CANYON-WARMUTH	S	24	1625	34-26-04	118-26-06	JOE J. WARMUTH	9.87
1010C	PALMER CANYON-FORKS	S	27	2160	34-09-32	117-42-06	LACFCO PERSONNEL	20.61
1011H	PALOS VERDES FIRE STATION	S	27	1275	34-45-25	118-27-11	FIRE STATION PERSONNEL	11.75
1012B	CASTAIC JUNCTION	S	27	1005	34-26-18	118-36-43	FIRE STATION PERSONNEL	12.43
1014F-E	RIO HONDU SPRREADING	SA	47	170	33-59-57	118-06-04	GEORGE F. KEFTEL	13.18
1016A	PALO COMANO CANYON-AGOURA	S	26	1175	34-09-45	118-44-16	HERMAN GUNNINGHAM	15.84
1017H	LITTLE ROCK CREEK ABOVE DAM	SA	24	3280	34-28-41	118-01-24	LACFCO PERSONNEL	9.20
1018C	PAT MOUNTAIN-LOOKOUT	S	18	3740	34-19-45	118-36-00	WM. REDDOW	12.25
1019	SANTA SUSANA MTS. SALT CANYON	ST	26	2850	34-21-24	118-39-4	LACFCO PERSONNEL	17.20
1020H	PADUA HILLS PATROL STATION	SA	24	1800	34-08-52	117-41-55	FIRE STATION PERSONNEL	18.17
1022	HASLEY CANYON-WESTERN GULF OIL CO.	S	24	1725	34-28-44	118-41-04	GULF OIL CO. PERSONNEL	15.31
1023B	SANTA MARIA CREEK-SPEER	S	22	1415	34-07-44	118-34-42	WILLIAM SPEER	18.21
1025	MALIBU BEACH-DUNNE	S	25	160	34-02-00	118-42-42	PHILIP DUNNE	15.43
1029R	TUJUNGA-MILL CREEK SUMMIT	S	25	4970	34-23-25	118-04-50	CAROLYN J. ROADHOUSE	15.35
1030	MT. ISLIP-LITTLE JIMMY SPRINGS	ST	25	7520	34-20-50	117-49-57	LACFCO PERSONNEL	36.21
1031A	MT. WATERMAN	ST	22	7960	34-20-23	117-56-21	LACFCO PERSONNEL	24.85
1035	WHITTIER-WOOD	SA	24	280	33-59-52	118-03-10	WALTER J. WOOD	15.40
1037-F	ARCADIA-ARHORETUM	SA	24	565	34-09-48	118-09-59	DAN MARTEL	17.56
1038H	MT. PACIFIC	ST	24	6880	34-22-48	118-01-44	LACFCO PERSONNEL	22.60
1040	POTRERO CANYON-SUNRAY OX OIL CO.	S	23	1150	34-23-50	118-34-18	SUNRAY OX OIL CO. PERSONNEL	14.86
1041H	SANTA FE DAM	AP	25	427	34-07-04	117-58-24	U.S.C.E. PERSONNEL	15.58
1046H	SANTA ANITA CANYON-CHANTRY FLAT	S	22	2175	34-11-45	118-01-20	LILA ADAMS	28.00
1048R	LA CRESCENTA-CO. ROAD DEPT.	S	23	1410	34-13-27	118-15-23	G. S. TURRILL	21.73
1050H	OLD TOPANGA CANYON	S	19	1000	34-06-28	118-37-40	MAUDE E. CARTER	INC
1051H	CANOGA PARK-PIEFER COLLEGE	SP	25	800	34-10-51	118-34-23	LEF HAINES	15.79
1052	CAMP JOSEPHO	SP	22	660	34-04-51	118-31-10	DONALD MATHEWS	22.98
1058H-F	PALMDALE	SP AP	20	2895	34-35-17	118-05-31	IRRIGATION DISTRICT PERSONNEL	6.21
1059H	SOUTH MT. HAWKINS	ST	21	7700	34-18-44	117-48-32	LACFCO PERSONNEL	9.42
1060H	LITTLE ROCK-SYCAMORE CAMP	SA	21	4000	34-25-02	117-58-13	LACFCO PERSONNEL	11.10
1062	HICKORY FLAT	SA	21	6760	34-20-44	117-55-08	LACFCO PERSONNEL	33.20
1063	SOLEDAD PASS	S	21	3920	34-29-35	118-05-28	J.G. JOHNSTON	7.17
1064H	LONG BEACH-LEES STREET	AP	21	10	33-46-40	118-06-05	J.F. MCGINNIS	INC.
1068	RATTLESNAKE CANYON-CAMP NO.3	S	21	1880	34-06-00	118-51-55	L.A. CO. SHERIFF PERSONNEL	23.71
1069	SAN GABRIEL EAST FORK TUNNEL	ST	19	2175	34-16-58	117-44-48	LACFCO PERSONNEL	20.42
1070	MANHATTEN BEACH	S	21	182	33-53-00	118-23-19	JOSEPH PALMER	12.08
1071B-E	DESCANSO GARDENS	S	21	1325	34-12-07	118-12-42	GARNER J. ENGEL	20.49
1072	LITTLE TUJUNGA RANGER STATION	SP A	21	1275	34-17-37	118-21-38	LACFCO PERSONNEL	16.11
1074	LITTLE GUFASON	SA	19	5400	34-22-43	118-08-57	LACFCO PERSONNEL	23.23
1075	UPPER WOLFSKILL CANYON	AP	32	3425	34-10-13	117-43-16	USFS PERSONNEL	24.07
1076H	MONTI CRISTO RANGER STATION	SP	20	3360	34-19-42	118-07-20	U.S.F.S. PERSONNEL	17.57
1077H	MONROVIA-FIVE POINTS	S	20	942	34-09-58	117-59-37	CITY PERSONNEL	23.13
1078	COVINA-GRIFFITH	SA	20	975	34-04-10	117-50-47	ELBERT B. GRIFFITH	14.19
1079	RUBIO DERRIS BASIN	R.A.II"	20	1653	34-11-57	118-07-22	LACFCO PERSONNEL	22.40
1080H	BRADBURY DERRIS BASIN	SA	19	935	34-09-23	117-57-58	LACFCO PERSONNEL	19.44
1081	DEER DERRIS BASIN	R.A.II"	19	1200	34-11-33	118-14-28	LACFCO PERSONNEL	19.44
1082	DUNSMUIR DERRIS BASIN	R.A.II"	20	2275	34-14-52	118-15-06	LACFCO PERSONNEL	24.39
1083	WOODRICK DERRIS BASIN	S	19	905	34-09-17	117-57-05	LACFCO PERSONNEL	19.68
1084H	MAY DERRIS BASIN	S	13	1680	34-19-50	118-25-45	LACFCO PERSONNEL	17.68
1086	TURNBULL DERRIS BASIN	R.A.II"	20	495	33-59-18	118-01-30	LACFCO PERSONNEL	14.65
1087-E	GREEN VERDUGO PUMP PLANT	S	19	1340	34-15-25	118-20-11	D.W.P. PERSONNEL	17.01
1088H	LA HAHA HEIGHTS MUNICIPAL WATER CO.	SA	19	445	33-56-55	117-57-51	WATER CO. PERSONNEL	15.04
1089F	TOPANGA CANYON OUTLET	S	18	95	34-02-52	118-34-38	STELLA VARNUM	INC
1090	LOS ALAMITOS	SP	42	25	33-48-35	118-04-35	L. HERRICK	10.96
1092B	RUFNA PARK	3HP	47	800	33-51-28	117-59-29	PUBLIC WORKS OFFICE PERSONNEL	14.12
1093E	FULLERTON AIRPORT	SP AP	20	100	33-52-23	117-58-24	ORANGE COUNTY PERSONNEL	12.72
1095	ORANGE COUNTY RESERVOIR	SP AP	33	660	33-56-07	117-52-58	U.S.C.E. PERSONNEL	14.89
1099	WHITTIER-CATE	S	19	280	34-00-20	118-03-30	IRA D. CATE	15.20
1102C	BORCAY CANYON-SAN GABRIEL WEST FORK	ST	19	5160	34-17-02	117-17-02	LACFCO PERSONNEL	23.46
1104	BOHOLIN CANYON AT TEXAS CANYON	S	19	1760	34-30-35	118-27-00	U.S.F.S. PERSONNEL	13.94
1105R	FAIRMONT	SP	19	2855	34-44-23	118-27-15	D.S. PATTERSON	7.82
1107D	LA TUNA CANYON	SA	19	1160	34-14-13	118-19-37	LACFCO PERSONNEL	17.70
1109	MT. HALDY	ST	19	8650	34-16-53	117-37-00	LACFCO PERSONNEL	27.75
1110	SCHOLL DERRIS BASIN	R.A.II"	19	987	34-09-13	118-17-01	LACFCO PERSONNEL	14.20
1111C	DEVIL'S BUNCHROAD	S	14	4760	34-24-48	117-51-25	JOHN SMITH	12.43
1113	DOWLINGUEZ WATER CO.	SP AP	38	30	34-49-54	118-13-30	T.J. CLEMMER	12.18
1114H	WHITTIER NARROWS DAM	AP	18	239	34-01-29	118-05-02	U.S.C.E. PERSONNEL	13.43
1115	SAN ANTONIO DAM	R.A.II MAP	18	2120	34-09-24	117-40-20	U.S.C.E. PERSONNEL	18.27
1116	LONG BEACH-SAN ANSELINE	S AP	18	15	33-47-38	118-07-15	HAYARD MILLER	11.30
1117	PINE CANYON GUARD STATION	S	18	3810	34-11-55	118-30-35	JERRY D. RICE	20.59
1119H	ATMORE MEADOW	ST	13	4325	34-41-18	118-36-16	LACFCO PERSONNEL	22.34
1120	DAWSON SADDLE	ST	18	7900	34-22-08	117-48-10	LACFCO PERSONNEL	18.14
1121C	BARLEY FLAT	S	18	5525	34-16-40	118-04-40	L.A. CO. SHERIFF PERSONNEL	24.45
1122	CONKS DERRIS BASIN	R.A.II"	18	2100	34-14-49	118-15-40	LACFCO PERSONNEL	23.29
1124R	RED RIX GAP	S	17	4425	34-15-30	118-06-18	U.S.F.S. PERSONNEL	34.99
1125	LA PUENTE	S	17	440	34-01-00	117-55-15	H.J. GRUETER	15.58
1126	LAND-EAST VALLEY	R.A.II"	17	780	34-12-30	118-24-35	J. SHAFER	15.03
1127	WEST BURNHAM	S	16	615	34-10-47	118-20-07	FIRE STATION PERSONNEL	18.29
1128	WRIGHTWOOD FIRE STATION	S	17	5960	34-21-34	117-37-57	FIRE STATION PERSONNEL	17.03
1129	NICHOLAS CANYON	S	16	340	34-02-52	118-54-57	M.F. GORDON	17.21
1132	OAK FLAT GUARD STATION	S	16	2800	34-35-56	118-43-15	U.S.F.S. PERSONNEL	17.76
1133	FISH CANYON	ST	16	2600	34-12-23	117-56-43	LACFCO PERSONNEL	34.34
1135H	LIMADA PARK	SP	1A	250	33-47-37	118-25-15	RONALD HARRIS	11.89
1137C	STOUGH PARK	S	14	1160	34-17-17	118-18-15	LYLE GIESE	20.50
1138	MT. DISAPPOINTMENT	SA	15	5725	34-14-42	118-06-07	T. ARNOT	34.51
1140	ROSEMEAD	R.A.II"	14	305	34-04-53	118-03-55	FIRE STATION PERSONNEL	15.77
1145	UPLAND	SP	15	1605	34-07-57	117-38-38	LIBERTY GROVES PERSONNEL	16.24
1146	SANTA ANITA CANYON-HELIPORT	A	13	2575	34-12-52	118-01-05	LOUIS LUFKERT	33.30
1147	EL CAHALERO COUNTRY CLUB	S	14	1000	34-08-52	118-31-53	E.G. HOKER	18.24
1148R	SAN JOSE HILLS	S	14	440	34-03-00	117-54-53	HAROLD E. GAULDIN	14.87
1151	BRIDGEMAN RESERVOIR NO.1	SP	14	1020	34-10-15	118-06-40	CITY OF PASADENA PERSONNEL	20.74
1152	CLEAV CREEK RANGER STATION	S	14	3625	34-16-15	118-09-11	U.S.F.S. PERSONNEL	25.48
1155	PALMDALE	S	12	60	33-53-53	118-20-35	FIRE STATION PERSONNEL	13.37
1157	CAL STATE UNIVERSITY AT NORTHRIDGE	A	12	890	34-14-17	118-31-48	DR. A. COURT	14.31
1158	TORRANCE MUNICIPAL AIRPORT	S	15	102	33-47-59	118-20-08	AIRPORT PERSONNEL	12.88
1159	SHORTCUT CANYON-WEST FORK	A	8	4425	34-15-55	118-04-08	LACFCO PERSONNEL	INC.
1160	SAN GABRIEL CANYON WEST FORK HELIPORT	A	10	3200	34-18-02	118-01-30	LACFCO PERSONNEL	INC.
1162	IRON MOUNTAIN	ST	11	5320	34-21-06	118-13-42	LACFCO PERSONNEL	25.45
1163	BEAR CANYON-CRYSTAL LAKE ROAD	ST	7	5480	34-19-33	117-51-42	LACFCO PERSONNEL	30.42
1164	WALFERTIA LAKE PUMPING STATION	R.A.II"	10	90	33-48-35	118-21-05	ROBERT HARRISA	11.62
1167	FEMMER CANYON	S	9	5380	34-23-25	117-42-27	IRRIGATION DEPT. PERSONNEL	5.40

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 1973-74
1169	LAKE PIHU	SP	20	1145	34-28-24	118-45-42	FRANK C. HECKWITH	17.40
1170	WATER WORKS DISTRICT NO. 4	AP	18	900	34-09-48	118-40-12	VENTURA CO. F.C.D. PERSONNEL	13.17
1171	CAMELOS RANCH	SP AP	18	720	34-24-20	118-45-21	HARRY FORKES	15.30
1172	PIHU CANYON ABOVE PIHU LAKE	AP	18	1150	34-30-48	118-45-30	FRANK C. HECKWITH	16.50
1173	TAPO CANYON	AP	13	1525	34-19-54	118-42-41	SHIL GUN. PERSONNEL	16.58
1176C	TRIPAS CANYON	AP	8	2500	34-22-03	118-45-44	VENTURA CO. F.C.D. PERSONNEL	17.59
1177R	HARD RESERVOIR	AP	8	1030	34-14-36	118-49-42	A.J. ALGAR	12.40
1183H	LA HARRA FIRE STATION	SP	45	315	33-55-53	117-57-17	FIRE STATION PERSONNEL	14.00
1184	SAN FRANCISQUITO CANYON CAMP 17	S	4	1840	34-33-55	118-28-24	WILLIAM SMITH	12.83
1187	HILLARD-CAMP SIFKKA	STP	3	2760	34-13-04	118-07-58	U.S.F.S. PERSONNEL	23.38
1188	EATON-MARKHAM SADDLE	SP	3	5400	34-14-31	118-05-38	U.S.F.S. PERSONNEL	27.20
1190	PACIFICA CANYON NORTH FORK RANGER STATION	S	5	4180	34-23-17	118-15-06	USFS PERSONNEL	17.65
1191	BEAR-DIVIDE USFS STATION	S	4	2700	34-21-35	118-23-37	USFS PERSONNEL	19.79
1192	CARSON FIRE STATION	R. 8" H	1	42	33-52-04	118-15-45	FIRE STATION PERSONNEL	11.68
1193	WESTLAKE VILLAGE	S	1	885	34-08-19	118-49-05	FIRE STATION PERSONNEL	16.30
1194	SANTA YNEZ RESERVOIR	S	7	735	34-04-23	118-33-59	D.W.P. PERSONNEL	20.18
1195	CHINO FIRE STATION #2	SP	30	655	33-59-00	117-43-20	S.H.C.F.C.D.	13.32
1196	MONTCLAIR FIRE DEPARTMENT	S	17	945	34-03-41	117-41-18	S.H.C.F.C.D.	15.84
1197	CALVIN WEST SUMMIT	AP	31	4838	34-23-00	117-35-00	S.H.C.F.C.D.	9.50
1198	PHLAN FIRE CONTROL	SP	17	4160	34-25-00	117-34-00	S.H.C.F.C.D.	5.93
1199	CLOUDCRIFT DEKRIS BASIN	A	1	350	34-02-58	118-34-12	LACFCO PERSONNEL	INC
X150	HI VISTA	S	23	3087	34-44-31	117-46-43	MARY SCHAFFER	5.14
X19	COOKS CANYON	SP	18	3400	34-15-52	118-15-11	T. ARNDT	18.94
X214	DUNSMORE CANYON-UPPER	SP	18	3290	34-15-38	118-13-47	T. ARNDT	18.90
X22	ISLIP SADDLE	ST	17	6680	34-21-27	117-51-05	LACFCO PERSONNEL	28.17
X23	DORR CANYON	ST	17	7280	34-22-16	117-46-51	LACFCO PERSONNEL	24.80
X24	GRASSY HOLLOW	ST	17	7360	34-22-30	117-43-05	LACFCO PERSONNEL	15.00
X25	BEAR GULCH	ST	17	7880	34-21-58	117-41-27	LACFCO PERSONNEL	25.28
X26	BLUE RIDGE	ST	17	8450	34-20-57	117-40-23	LACFCO PERSONNEL	INC
X27	GUFFY'S CAMP	ST	17	8080	34-20-20	117-38-55	LACFCO PERSONNEL	17.02
X28H	HOLIDAY HILL	A	17	8130	34-21-24	117-40-54	LACFCO PERSONNEL	26.64
X33	EAGLE DEKRIS BASIN	R. 8" H	15	1890	34-14-07	118-14-12	LACFCO PERSONNEL	23.92
X42H	HOKK DEKRIS BASIN	S	6	1250	34-09-15	117-52-35	LACFCO PERSONNEL	14.18
X43	HARROW DEKRIS BASIN	R. 8" H AP	4	1275	34-09-25	117-51-40	LACFCO PERSONNEL	18.14
X44	ENGLEWILD DEKRIS BASIN	R. 8" H	6	1310	34-09-25	117-50-48	LACFCO PERSONNEL	19.49
X45	HELL CANYON-HURRO FLATS	SPA	3	2185	34-13-43	118-41-25	JOE GLANTZ	INC

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
- R. 8" H 8" DIAMETER NON-RECORDING GAGE OWNED BY FLOOD CONTROL DISTRICT
- 3" H 3" DIAMETER NON-RECORDING GAGE OWNED BY OUTSIDE INTERESTS
- 4 1/2" H 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 H OR C DENOTES SECOND OR THIRD LOCATION OF STATION IN SAME AREA
- SUFFIX F 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**



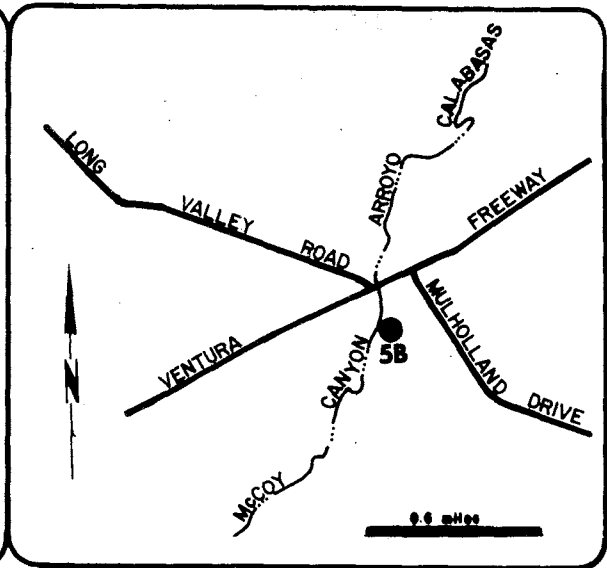
LOCATION
Residence:
4803 El Canon Avenue
South of Ventura Boulevard
Calabasas

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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

SEASON RAINFALL

SEASON	RAINFALL
1927-28	12.35*
1928-29	11.23
1929-30	11.86*
1930-31	14.98
1931-32	19.68
1932-33	12.57*
1933-34	11.44
1934-35	19.83
1935-36	10.96
1936-37	23.16
1937-38	23.08
1938-39	22.72 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

SEASONAL RAINFALL AT Calabasas SEASON 1973-74
Record Furnished by..... Copied by..... Date Copied.....

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.98	.06		.09						
2				.09		1.03	.21					
3				.05		.37						
4				2.48		.15						
5				.77								
6				1.37								
7				3.48		.16						
8	.10			1.41		1.25						
9				.05		.02						
10												
11												
12				.03								
13												
14												
15												
16				.15								
17		.31		.24								
18		.76										
19					.02							
20				.11								
21												
22			.26									
23	.04	.76										
24							.14					
25												
26			.04			.03						
27			.06			.32						
28			.02		.11							
29												
30						.14						
31												
TOTAL	.14	1.87	1.32	10.29	.13	3.56	.35	0	0	0	0	0

SEASON TOTAL 17.66

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

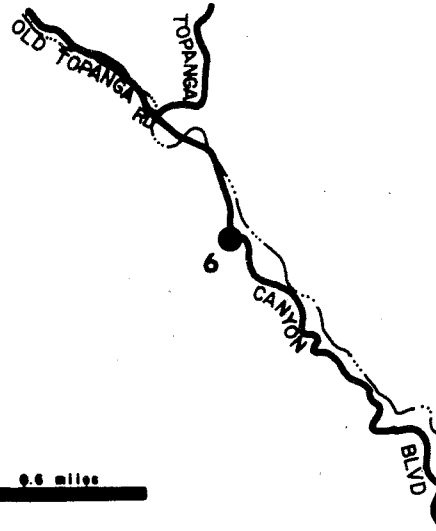
**STATION NO. 6
TOPANGA**



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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

SEASONAL RAINFALL AT Topanga Canyon Patrol Station SEASON 1973-74

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

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			2.35	.20		.19						
2						1.75	.14					
3						.60						
4				2.33								
5				.28								
6				2.51								
7				4.88		.55						
8	.13			3.31		.87						
9												
10												
11												
12			T									
13												
14												
15												
16				.23								
17		.40		.48								
18		1.89										
19												
20				.19								
21												
22			.44									
23	.18	.91										
24												
25												
26												
27						.39						
28					.10							
29												
30												
31												
TOTAL	.31	3.20	2.79	14.41	.10	4.35	.14	0	0	0	0	0

SEASON TOTAL 25.30

**STATION NO. 15A
VAN NUYS**



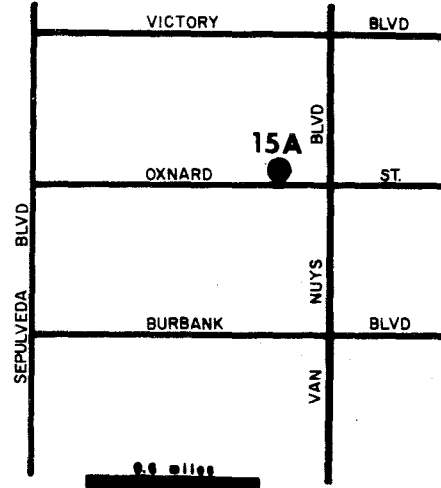
LOCATION
Los Angeles DWP Service Yard
Aetno and Vesper Streets
Van Nuys

LATITUDE
34° 10' 48"

LONGITUDE
118° 27' 03"

ELEVATION
695'

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



STATION NO. 15B
VAN NUYS

SEASON RAINFALL

1925-26	17.26
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

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 1973-74
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.55	.02		.08						
2						.69	.15					
3				T		.37						
4				2.04								
5				.60								
6								.04				
7				4.37		.26						
8				1.30		1.82						
9				.04		.01		T				
10												
11												
12				T								
13												
14												
15												
16				.07								
17		.22		.28								
18		.61										
19												
20				.14								
21		T		T								
22			.19									
23	.01	.89						T				
24							.06					
25												
26						.02						
27			T			.28						
28			T		.10							
29												
30						.06						
31												
TOTAL	.01	1.72	.74	8.86	.10	3.59	.21	.04	0	0	0	0

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 15.27

**STATION NO. 32C-E
NEWHALL**



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

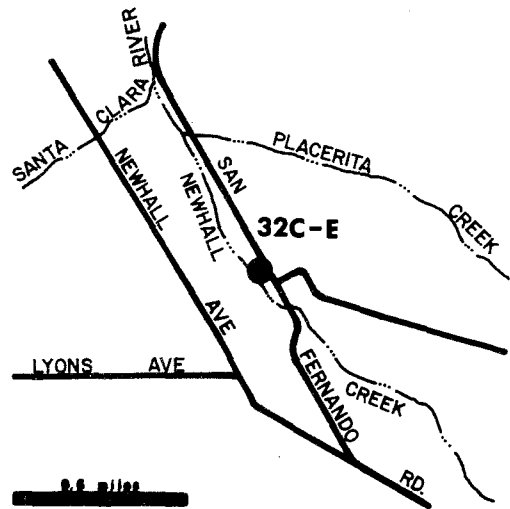
LATITUDE
34° 23' 07"

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	16.03
1933-34	13.99
1934-35	19.97
1935-36	10.75
1936-37	25.67
1937-38	25.68
1938-39	20.66
1939-40	12.41
1940-41	44.65
1941-42	12.88
1942-43	30.33
1943-44	27.27
1944-45	12.43 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

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 1973-74

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

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.68			.04						
2						.88	.05					
3				T		.29						
4				1.22								
5				.19								
6				.55								
7				4.64		.39						
8	.05			2.04		1.87						
9												
10												
11												
12				T								
13												
14			T									
15												
16				.01								
17		.07		.26								
18		.75										
19												
20				.11								
21												
22			.20									
23	.08	.74										
24												
25												
26												
27												
28					.02	.19						
29												
30										.02		
31			T									
TOTAL	.13	1.56	.88	9.02	.02	3.66	.05	0	0	.02	0	0

SEASON TOTAL 15.34

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

**STATION NO. 33A-E
PACOIMA DAM**

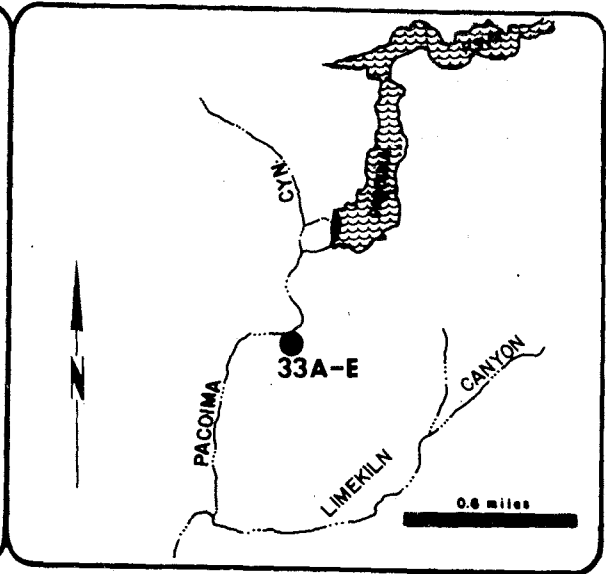


LOCATION
Mouth of Pacoima Canyon
below Pacoima Dam

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	1965-66	24.01
1916-17	22.24	1966-67	31.99
1917-18	20.68	1967-68	15.91
1918-19	14.95	1968-69	31.77
1919-20	15.63	1969-70	14.59
1920-21	23.00	1970-71	19.55
1921-22	29.31	1971-72	10.09
1922-23	18.21	1972-73	27.04
1923-24	9.52	1973-74	16.91
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	12.01		
1949-50	14.00		
1950-51	11.82		
1951-52	36.47		
1952-53	13.15		
1953-54	15.87		
1954-55	14.34		
1955-56	17.76		
1956-57	15.66		
1957-58	30.56		
1958-59	9.40		
1959-60	9.64		
1960-61	8.74		
1961-62	24.96		
1962-63	13.11		
1963-64	12.63		
1964-65	18.22		

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 1973-74
Record Furnished by..... Copied by..... Date Copied.....

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.03	.26		.17						
2			.54			.78	.52					
3						.38						
4				.50		.05		T				
5				1.67								
6				.90				.01				
7				2.17		.07			.03			
8	.15			2.23		2.41						
9	.02			.06		.14		T				
10				T								
11												
12				T				T				
13												
14		.01									T	
15												
16								T				
17		.09		.26				T				
18		1.32		.08			T					
19		.01										
20				.02								
21		.01		.54								
22			.21			T						
23	.33	.57									T	
24	.04						.03				T	
25							.07					
26						.02						
27						.17						
28			.01			T						
29								T				
30												
31						.03						
TOTAL	.54	2.01	.79	8.69	0	4.22	.62	.01	.03	T	0	0

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

SEASON TOTAL 16.91

**STATION NO. 53D
COLBY'S**



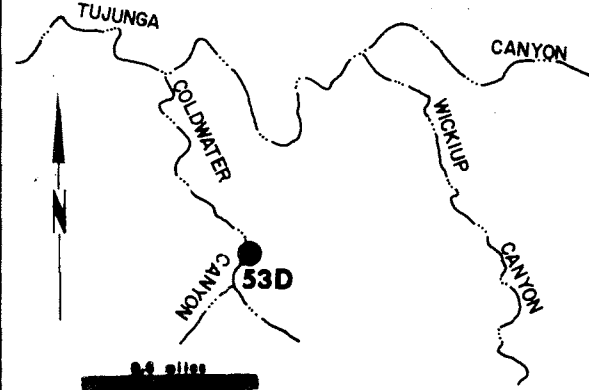
LOCATION
Residence: Coldwater Canyon
one mile S. of Big Tujunga Cn.
San Gabriel Mountains

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**	1948-49	13.45
1898-99	8.13**	1949-50	10.70
1899-00	14.14**	1950-51	10.10 C
1900-01	32.85**	1951-52	46.17 D
1901-02	20.79**	1952-53	12.94
1902-03	40.80**	1953-54	22.80
1903-04	19.08**	1954-55	18.65
1904-05	41.09**	1955-56	18.72
1905-06	43.12**	1956-57	19.30
1906-07	48.69**	1957-58	46.96
1907-08	32.09**	1958-59	14.89
1908-09	31.59**	1959-60	11.68
1909-10	29.51**	1960-61	11.24
1910-11	49.29**	1961-62	32.86
1911-12	28.43**	1962-63	16.79
1912-13	27.01**	1963-64	15.11
1913-14	57.60**	1964-65	20.32
1914-15	34.10**	1965-66	38.97
1915-16	43.36**	1966-67	43.86
1916-17	27.24**	1967-68	21.70
1917-18	37.64**	1968-69	66.56
1918-19	20.90**	1969-70	16.89
1919-20	36.95**	1970-71	22.58
1920-21	37.10**	1971-72	13.30
1921-22	61.75**	1972-73	32.74
1922-23	33.70**	1973-74	21.29
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		

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 1973-74
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			1.03	.20		.06						
2						1.37	.33					
3				.06		.96						
4				2.05								
5				.89								
6				1.62				.05				
7				2.52		.87						
8	.07			1.73		2.41						
9				.07								
10												
11												
12												
13												
14												
15												
16												
17		.20		.53								
18		2.80										
19												
20				.13								
21				.15								
22			.15									
23	.03	.45										
24												
25												
26												
27						.34						
28					.20							
29												
30						.02						
31												
TOTAL	.10	3.45	1.18	9.95	.20	6.03	.33	.05	0	0	0	0

SEASON TOTAL 21.29

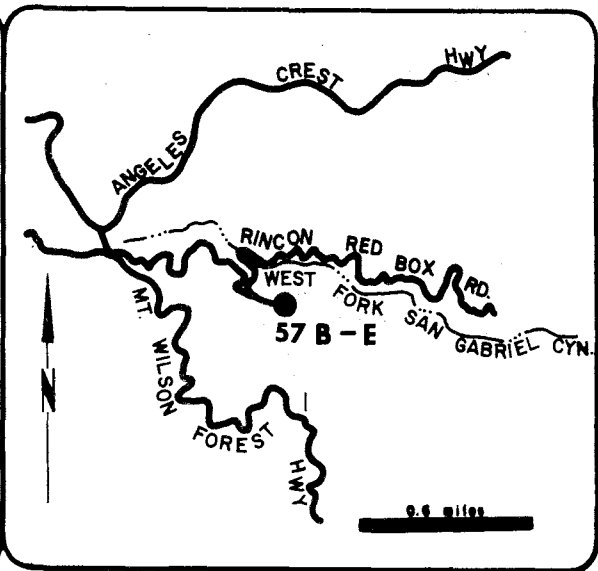
- A = STATION MOVED BACK TO ORIGINAL LOCATION OCTOBER 1, 1937
- B = STATION MOVED TO B LOCATION JANUARY 1, 1928
- C = STATION MOVED TO C LOCATION FEBRUARY 7, 1951
- D = STATION MOVED TO D LOCATION JUNE 1, 1952
- ** = ESTIMATED LESS THAN 10% OF THE TOTAL

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



LOCATION
Long Beach City Schools camp
Upper end of
San Gabriel Canyon—East 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)

**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

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

SEASON RAINFALL

1916-17	INC.	1966-67	65.13
1917-18	42.55	1967-68	30.88
1918-19	26.25**	1968-69	89.07
1919-20	37.41**	1969-70	24.58
1920-21	35.47**	1970-71	32.61
1921-22	89.33**	1971-72	17.96
1922-23	32.05	1972-73	49.71
1923-24	20.34	1973-74	35.81
1923-25	28.85		
1925-26	49.46**		
1926-27	46.48**		
1927-28	24.83**		
1928-29	29.51		
1929-30	28.56		
1930-31	31.83		
1931-32	47.05		
1932-33	30.18		
1933-34	34.88		
1934-35	53.07 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		

SEASONAL RAINFALL AT Camp Hi Hill (Opid's) SEASON 1973-74
Record Furnished by _____ Copied by _____ Date Copied _____

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			2.10	.31								
2						1.64	.51					
3				.28		1.14						
4				4.60								
5				2.76								
6				2.82				.11				
7				5.61		.30						
8	.17			3.06		1.62						
9				.36								
10				T		T						
11												
12		T										
13												
14			T							T		
15										T		
16												
17		.48		.61								
18		4.69										
19												
20				.29								
21				.24								
22			.50									
23	.18	.54										
24												
25							T					
26							T					
27			T		.53							
28					.24							
29												
30						.12						
31												
TOTAL	.35	5.71	2.60	20.94	.24	5.35	.51	.11	0	T	0	0

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

SEASON TOTAL 35.81

**STATION NO. 60A
HOEGEE'S**



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

LATITUDE

34° 12' 32"

LONGITUDE

118° 02' 02"

ELEVATION

2412'

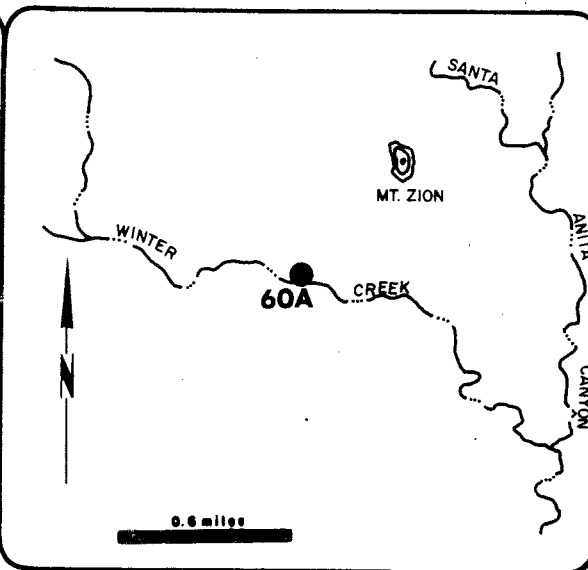
LENGTH OF RECORD

non-recording rain gage

2/1/25 to date

recording rain gage

11/11/26 to date



STATION NO. 60A
HOEGEE'S

SEASON RAINFALL

SEASON	RAINFALL
1924-25	INC.
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

**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

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

SEASONAL RAINFALL AT Hoegee's SEASON 1973-74
Record Furnished by..... Copied by..... Date Copied.....

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			1.31	.83								
2						1.28	.97					
3						1.34						
4				2.14								
5				1.46								
6				2.95				.60				
7				6.20		.88			.16			
8	.08			1.86		3.90						
9				.05		.24						
10												
11												
12												
13												
14				.05								
15												
16												
17				.71								
18		.23						.44				
19		4.14										
20												
21				1.04								
22												
23	.22	.71								.03		
24												
25												
26												
27						.78						
28					.31							
29												
30												
31												
TOTAL	.30	5.08	1.36	17.24	.31	8.42	.97	1.04	.16	.03	0	0

SEASON TOTAL 34.91.....

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

**STATION NO. 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

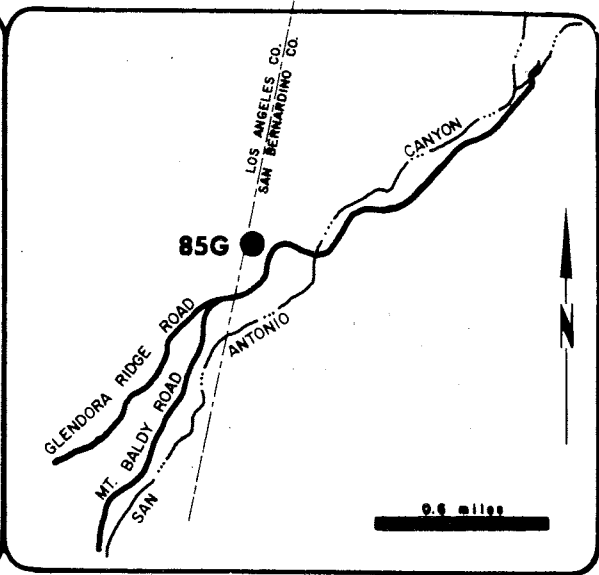
11/11/27 to date

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	20.38
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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 85G
Foreign Station No.
Quad-Index No. 56-46

SEASON RAINFALL AT Mount Baldy Guard Station SEASON 1973-74
Record Furnished by..... Copied by..... Date Copied.....

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.13	.62		.54						
2			.98	T		1.03	.70					
3				T		1.60					.17	
4				.34		.02						
5				3.56				.01				
6				1.16		T		.10				
7				2.79								
8	.05			3.11		1.70						
9				.32		1.26	.10					
10												
11												
12		T		T								
13						T						
14												
15												
16				.53								
17		.03		.02								
18		3.75										
19		.29					.02					
20												
21				.76								
22			.05									
23		.40								.13		
24								.25				
25												
26												
27				.02		.30						
28												
29												
30												
31						.06						
TOTAL	.05	4.47	1.16	13.23	T	6.51	.82	.36	0	.13	.17	0

SEASON TOTAL 26.90

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

**STATION NO. 106C
WHITTIER**



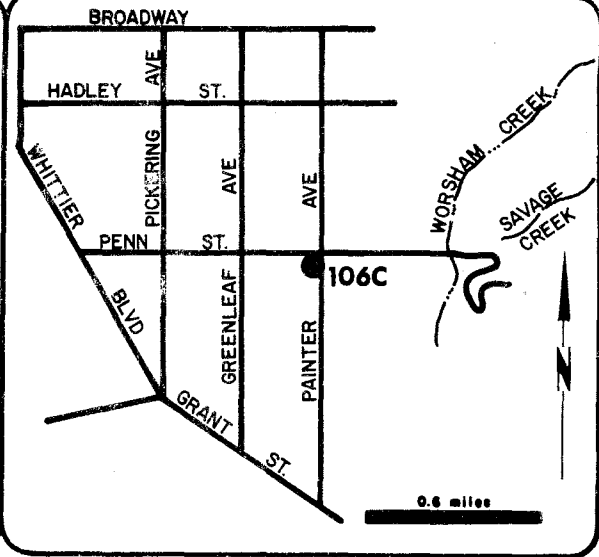
LOCATION
City Hall
13230 East Penn Street
west of Painter Street
Whittier

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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

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

SEASONAL RAINFALL AT Whittier City Hall SEASON 1973-74
Record Furnished by..... Copied by..... Date Copied.....

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.26	.12		.03						
2						1.22	.19					
3				.02		.09						
4				2.22								
5				.62				.01				
6				.81								
7				2.45		.34						
8	T			.99		1.59		T				
9				.09								
10												
11												
12												
13												
14												
15												
16				T				T				
17		.55		.30	.20							
18		.59										
19												
20				.14								
21				.06								
22			.22									
23	.06	1.01										
24												
25												
26						T						
27						.50						
28			T		.09							
29												
30						.02						
31												
TOTAL	.06	2.15	.48	7.82	.29	3.79	.19	.01	0	0	0	0

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

SEASON TOTAL 14.79

**STATION NO. 130B
SANDBERG'S**



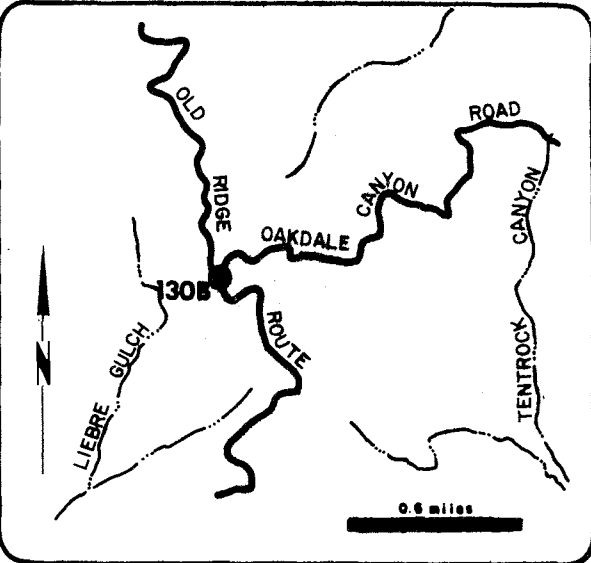
LOCATION
L.A. Co. F & FW Patrol Station
47376 Old Ridge Route
Lake Hughes

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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

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

SEASONAL RAINFALL AT Sandberg - Quail Lake Patrol Station SEASON 1973-74

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

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			1.02	.17		.42	.33					
2			.51			.02	.02					
3						.06	.02					
4				.28								
5				1.74								
6				.29		.12						
7				.60		2.27						
8	.20			.94		.21						
9							.18					
10							.02					
11				.24								
12		.03										
13					.04							
14										T		
15												
16				.26								
17		.10		.02								
18		.61					.04					
19		.04		T	.09							
20				.13								
21		.16		T								
22			.11		.02							
23	.03	.62								.08		
24												
25		.05										
26		.07	.03	.02		.03						
27			.17									
28			T		.03							
29												
30						.08						
31												
TOTAL	.23	1.68	1.84	4.69	.18	3.21	.61	0	0	.08	0	0

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

SEASON TOTAL 12.52

**STATION NO. 185
GLENDDORA**



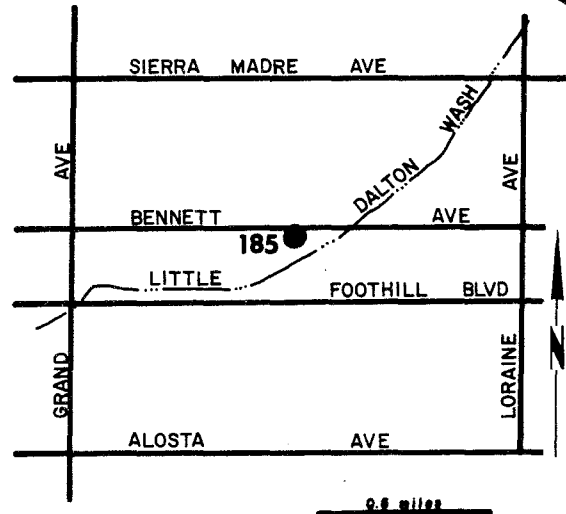
LOCATION
Residence:
460 East Bennett Avenue
Glendora

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
GLENDDORA

**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

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

SEASON RAINFALL

1880-81	16.96	1931-32	24.05**
1881-82	16.07	1932-33	12.50**
1882-83	18.52	1933-34	26.80
1883-84	62.76	1934-35	27.97**
1884-85	14.79	1935-36	18.52
1885-86	28.95	1936-37	34.23
1886-87	19.26	1937-38	31.69
1887-88	35.10	1938-39	20.81
1888-89	32.85	1939-40	17.03
1889-90	49.89	1940-41	40.54
1890-91	26.69	1941-42	13.51
1891-92	20.71	1942-43	29.95
1892-93	39.20	1943-44	24.44
1893-94	11.26	1944-45	21.22**
1894-95	32.92	1945-46	20.14
1895-96	13.03	1946-47	18.28
1896-97	22.57	1947-48	12.30**
1897-98	16.60	1948-49	14.14
1898-99	7.28	1949-50	16.19
1899-00	12.19	1950-51	10.95
1900-01	23.73	1951-52	33.42
1901-02	14.06	1952-53	13.21
1902-03	27.27	1953-54	19.46
1903-04	12.59	1954-55	15.28
1904-05	25.97	1955-56	20.04
1905-06	27.03	1956-57	16.23
1906-07	33.07	1957-58	34.99
1907-08	20.24	1958-59	10.23
1908-09	27.20	1959-60	11.49
1909-10	20.21	1960-61	7.68**
1910-11	29.12	1961-62	23.10
1911-12	15.61	1962-63	14.09
1912-13	13.89**	1963-64	12.16
1913-14	36.78	1964-65	17.69
1914-15	28.76	1965-66	20.97
1915-16	33.59	1966-67	33.55
1916-17	21.61	1967-68	15.87
1917-18	19.88	1968-69	39.26
1918-19	14.50**	1969-70	14.93
1919-20	21.67**	1970-71	14.59
1920-21	23.47	1971-72	9.85
1921-22	26.59	1972-73	24.30
1922-23	19.08	1973-74	18.25
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**		

SEASONAL RAINFALL AT Glendora - West SEASON 1973-74

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

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.30	.41		.03						
2						.70	.92					
3						.43		T				
4				1.68								
5				.77								
6				1.55				.40				
7				3.21		.45			.02			
8	.02			1.38		1.85		T	.03			
9				.12			.02	.05				
10												
11												
12		T		T								
13												
14			.01					T		T		
15								.13				
16				T				.07				
17		.25		.26								
18		.97		.02			T					
19		.02										
20				.49								
21				.22								
22			.12			T						
23	.05	.80				T				.01		
24												
25												
26						.05						
27						.29						T
28					.12							
29												
30						.03						
31												
TOTAL	.07	2.04	.43	10.11	.12	3.83	.94	.65	.05	.01	0	T

** = ESTIMATED LESS THAN 10% OF THE TOTAL

SEASON TOTAL..... 18.25

**STATION NO. 241-C
LONG BEACH**



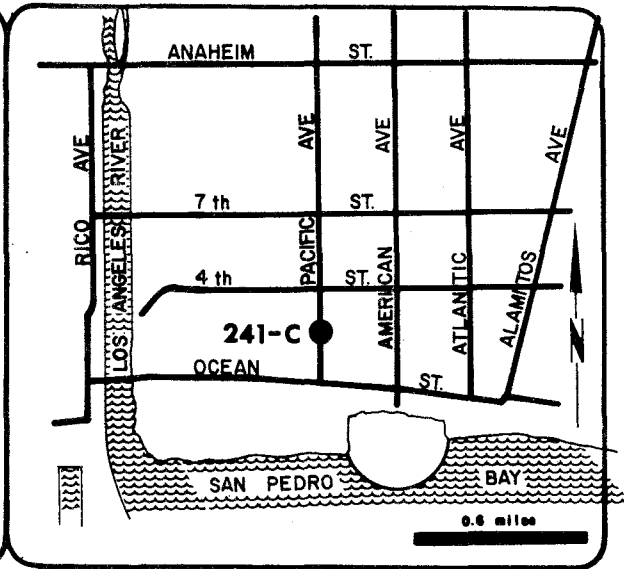
LOCATION
City Hall
205 East Broadway
Long Beach

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	11.60
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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

SEASONAL RAINFALL AT Long Beach - City Hall SEASON 1973-74
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.09	.08		.02						
2						.74	.18					
3				.05								
4				1.68								
5				.38								
6				.14								
7				2.16		.85						
8				.31		1.24						
9				.09								
10												
11												
12			T									
13												
14				T								
15				.01								
16												
17			.87	.17								
18			.27	.05								
19												
20												
21			.06	.06								
22			1.07	.31								
23	.12											
24												
25												
26						.03						
27						.29						
28					.08	.06						
29												
30												
31												
TOTAL	.12	2.27	.41	5.17	.08	3.23	.18	0	0	0	0	0

SEASON TOTAL 11.26

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

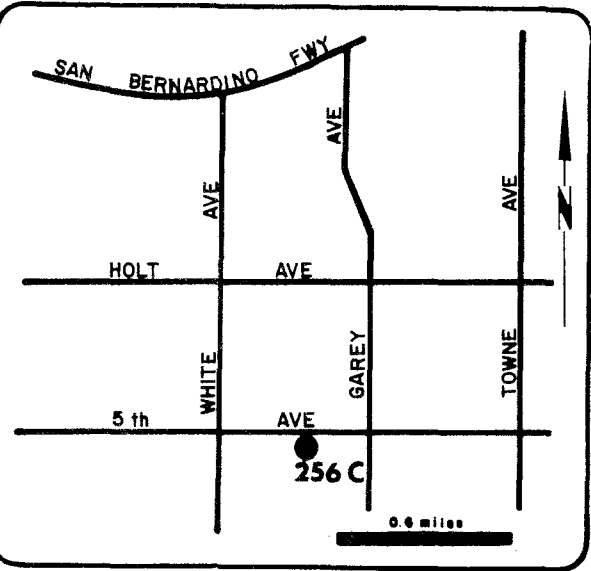
**STATION NO. 256C
POMONA**



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.	1962-63	12.65
1883-84	39.46	1963-64	9.49 C
1884-85	10.55	1964-65	13.92
1885-86	23.84	1965-66	15.94
1886-87	12.01	1966-67	22.34
1887-88	21.09	1967-68	15.38
1888-89	22.69	1968-69	28.30
1889-90	30.07*	1969-70	11.37
1890-96	NO RECORD	1970-71	9.99
1896-97	INC.	1971-72	7.49
1897-98	INC.	1972-73	17.51
1898-99	6.75	1973-74	12.72
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**		

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 1973-74
Record Furnished by..... Copied by..... Date Copied.....

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.27	.15								
2							.07					
3						.30						
4				.04								
5				2.50								
6				.47								
7				2.10		.11						
8				2.69		2.05			.01			
9				.17								
10				.03								
11												
12												
13												
14												
15												
16												
17		.10		.16								
18		.08		.09								
19												
20												
21				.16								
22		.62	.10									
23	.10											
24												
25												
26						.02						
27						.17						
28					.16							
29												
30												
31												
TOTAL	.10	.80	.37	8.56	.16	2.65	.07	0	.01	0	0	0

Reading Time 7:30 a.m. SEASON TOTAL 12.72

- 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

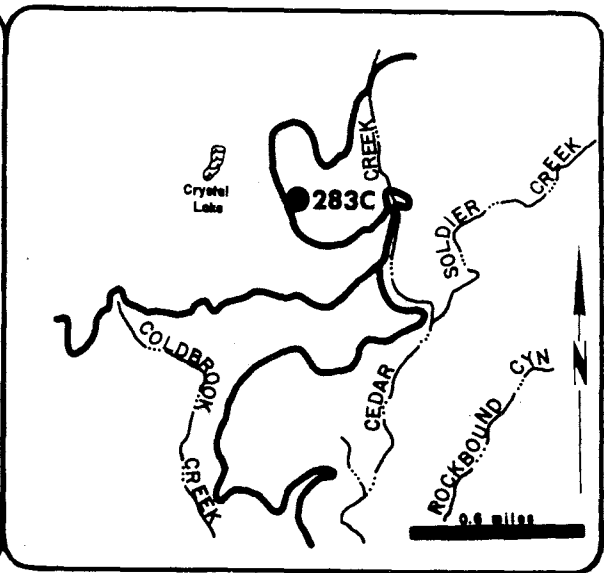
**STATION NO. 283C
CRYSTAL LAKE**



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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

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

SEASONAL RAINFALL AT Crystal Lake SEASON 1973-74

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

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.33	.38		.68						
2			1.33	T		1.11	.47					
3						1.10						
4				.63		.09					0.13	
5				3.74				T				
6				2.12				.18				
7				3.39		.22						
8	.10			3.81		2.24						
9				.11		.18						
10						T						
11												
12		T		.02								
13												
14										T		
15												
16												
17		.05		.52				.06				
18		3.22		T								
19		.04			T		T					
20											T	
21				.89		T						
22			.08									
23	T	.51									.25	
24	T							.03				
25		.05										
26						.04					.03	
27				.01		.31						
28						T						
29												
30												
31						.07						
TOTAL	.10	3.87	1.74	15.62	T	6.04	.47	.27	0	.25	.16	0

SEASON TOTAL..... 28.52

- 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

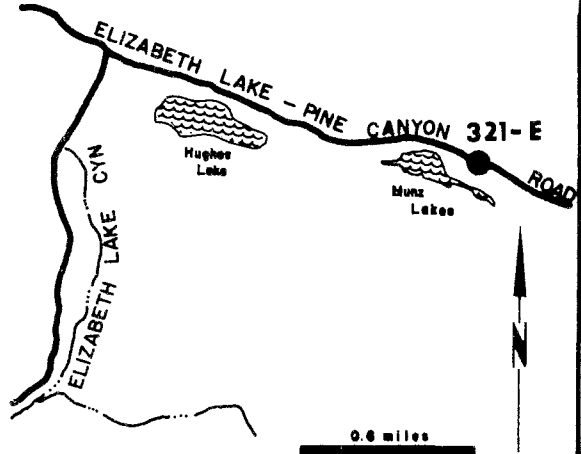
1/8/69 to date

ADDITIONAL

INSTRUMENTATION

Max-Min Thermometer

Evaporation pan



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. ... 321-E

Foreign Station No.

Quad-Index No. 96-72

SEASONAL RAINFALL AT Pine Canyon Patrol Station SEASON 1973-74

Record Furnished by Copied by Date Copied

STATION NO. 321-E
PINE CANYON PATROL STATION

SEASON RAINFALL

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

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			1.40	.03		.02						
2						.65	.50					
3						1.06						
4				1.67				.05				
5				1.16								
6				1.01				.01				
7				2.82		.20						
8				1.50	1.22							
9							.04					
10												
11												
12				.10								
13												
14												
15												
16				.15								
17		.17		.12								
18		1.50										
19		.01			.02		.10					
20				.17								
21				.15								
22			.15									
23	.25	.31								.13		
24							.10					
25												
26						.09						
27												
28			.06									
29			.01									
30						.09						
31												
TOTAL	.25	1.99	1.62	8.88	.02	3.33	.74	.06	0	.13	0	0

SEASON TOTAL 17.02

REMARKS: Station equipped with punch tape recorder with an accuracy of 0.1 inch.

INC = INCOMPLETE

**STATION NO. 338B
Mt. WILSON**



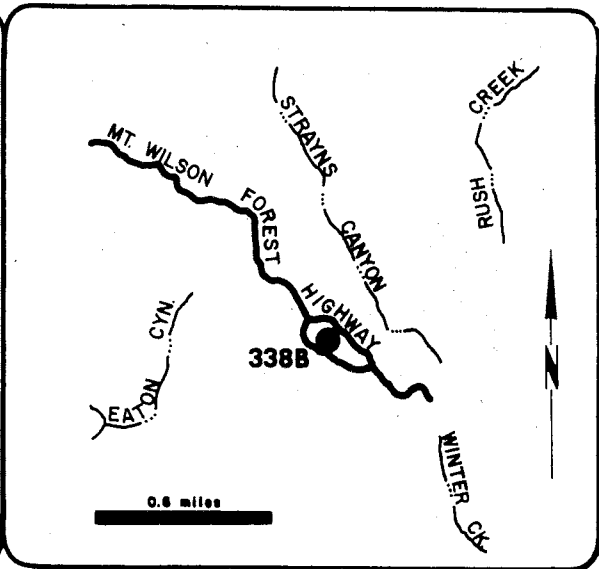
LOCATION
Mt. Wilson Post Office
one-half mile east
of Observatory
Mt. Wilson

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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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

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
1944-45	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

SEASONAL RAINFALL AT Mount Wilson - Airways SEASON 1973-74
Record Furnished by..... Copied by..... Date Copied.....

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			1.32	.63		.19	.10					
2						1.46	.74					
3				.33		1.87						
4				4.77								
5				1.40				.16				
6				4.37								
7	.03			9.50		3.50						
8	.11			.91		3.13						
9				.14			T					
10												
11												
12		T		.05								
13			T							T		
14												
15												
16		.12		.28								
17		1.74		.66								
18		2.97										
19												
20				1.20								
21			T									
22	.02	.50	.11							T		
23	.12	.05										
24								T				
25												
26						T						
27				T		.49						
28					.09							
29												
30						.11						
31												
TOTAL	.29	5.38	1.43	24.24	.09	10.75	.84	.16	0	T	0	0

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

SEASON TOTAL 43.18

**STATION NO 425B-E
SAN GABRIEL DAM**



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

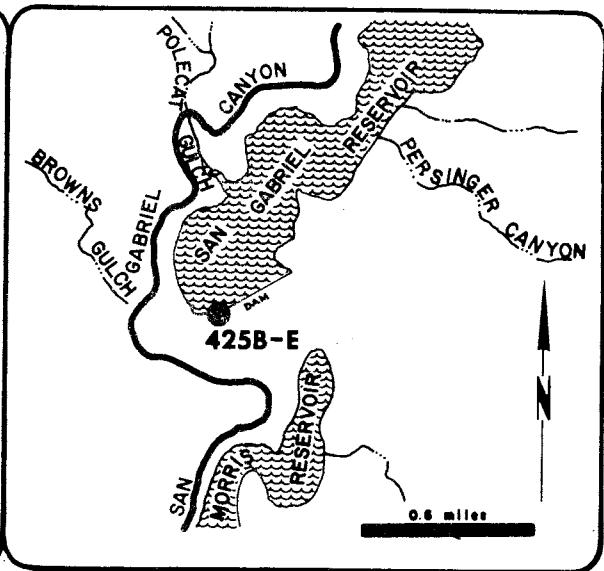
LATITUDE
34° 12' 19"

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

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 1973-74
Record Furnished by..... Copied by..... Date Copied.....

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.04	.72		.20						
2			.88			1.02	.48					
3		T				1.17			T			
4				.42		.09						
5				3.39								
6				1.70				.16				
7				3.83		.02			T			
8	.03			3.48		2.51		T	T			
9				.14		.15	T	T				
10							.02			T		
11												
12				.03								
13												
14		T						T		T		
15								T				
16								.03				
17		.04		.42								
18		2.28		.02			T					
19		.07			T							
20				.02								
21		.01		.74								
22			.05									
23	T	.68								.10		
24												
25		T										
26						.02						
27				T		.35						
28			T									
29												
30						0				T		
31						.02						
TOTAL	.03	3.08	.97	14.91	T	5.55	.50	.19	T	.10	0	0

SEASON TOTAL 25.33

B = STATION MOVED TO B LOCATION JUNE 20, 1943

**STATION NO. 440C
CHILAO**



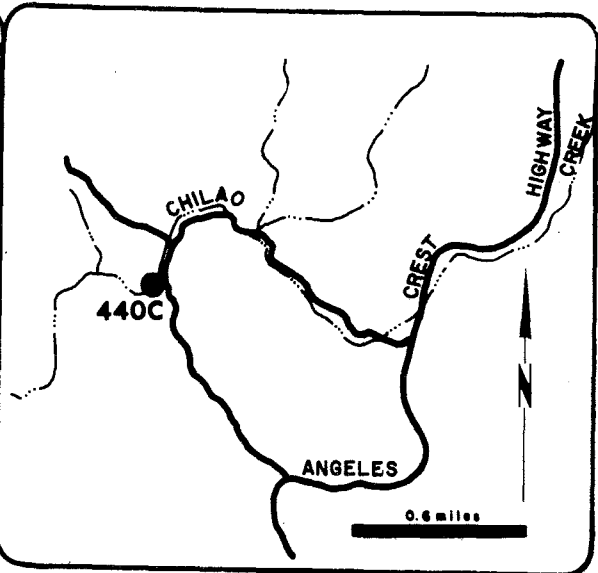
LOCATION
USFS Fire Camp
Big Tujunga Canyon
San Gabriel Mountains

LATITUDE
34° 20' 00"

LONGITUDE
118° 01' 23"

ELEVATION
5220'

LENGTH OF RECORD
non-recording rain gage
8/2/39 to date



STATION NO. 440C
CHILAO

SEASON RAINFALL

1938-39	INC.
1939-40	16.71
1940-41	49.33
1941-42	16.14
1942-43	INC. B
1943-44	41.53
1944-45	25.07
1945-46	26.24
1946-47	26.11
1947-48	12.51
1948-49	13.34
1949-50	13.87
1950-51	10.70
1951-52	39.03
1952-53	12.97
1953-54	19.95
1954-55	19.77**
1955-56	20.11
1956-57	18.35
1957-58	42.81**
1958-59	13.05
1959-60	10.82
1960-61	10.78
1961-62	32.61
1962-63	17.02
1963-64	11.05 C
1964-65	18.58
1965-66	31.33
1966-67	29.21
1967-68	20.00
1968-69	47.49
1969-70	16.41 D
1970-71	21.18
1971-72	11.86
1972-73	21.34
1973-74	INC.

**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

Station No. 440C
Foreign Station No.
Quad-Index No. 63-87

SEASONAL RAINFALL AT Chilao - USFS Camp SEASON 1973-74
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.43	.04								
2				.08								
3				.14								
4				1.07								
5				3.60								
6				.42								
7				1.20								
8	.10			2.27								
9				.50								
10												
11												
12				.08								
13												
14												
15												
16												
17		.17		2.01								
18		1.97		.05								
19												
20												
21				.20								
22			.10									
23		.31										
24												
25												
26												
27				.04								
28			T									
29												
30												
31												
TOTAL	.10	2.45	.53	11.70	0	0	0	0	0	0	0	0

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

SEASON TOTAL Inc.

**STATION NO. 455B
LANCASTER**



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

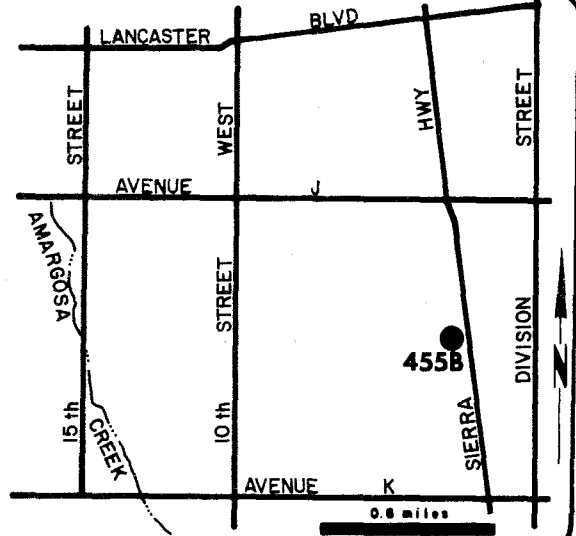
LATITUDE
34° 40' 57"

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

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 1973-74

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

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.06									
2						.11	.10					
3						.18						
4				1.08				.04				
5								.04				
6												
7						.30						
8				1.77		.10						
9												
10												
11												
12												
13												
14												
15												
16												
17				.53								
18												
19												
20				.01								
21												
22										.30		
23		.30								.40		
24												
25												
26												
27						.05						
28												
29												
30												
31												
TOTAL	0	.30	.06	3.39	0	.74	.10	.08	0	.70	0	0

SEASON TOTAL 5.37

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

**STATION NO. 478
VALYERMO**



LOCATION
USFS Ranger Station
Pearblossom Highway
Valyermo

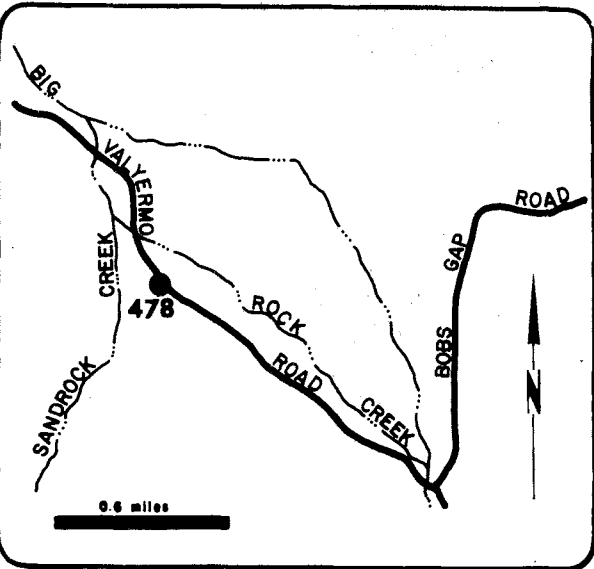
LATITUDE
34° 26' 44"

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

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

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 1973-74

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

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.02	.03								
2			.09			.30	.07					
3						.07						
4				.30								.10
5			.82									
6				.14				.14				
7				.20								
8				.40		.65						
9						.08						
10				.15								
11												
12				.02								
13												
14												
15												
16				.02								
17												
18												
19			.77									
20			.04									
21				.02								
22				.02								
23												
24		.12						.10		.04		
25										.02		
26		.20										
27				.05								
28						.08						
29												
30										.25		
31												
TOTAL	0	1.13	.11	2.35	.08	1.10	.07	.24	0	.31	.10	0

SEASON TOTAL 5.49

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

**STATION NO. 610B
PASADENA**



LOCATION
City Hall
Intersection of Garfield Avenue
and Ramona Street
Pasadena

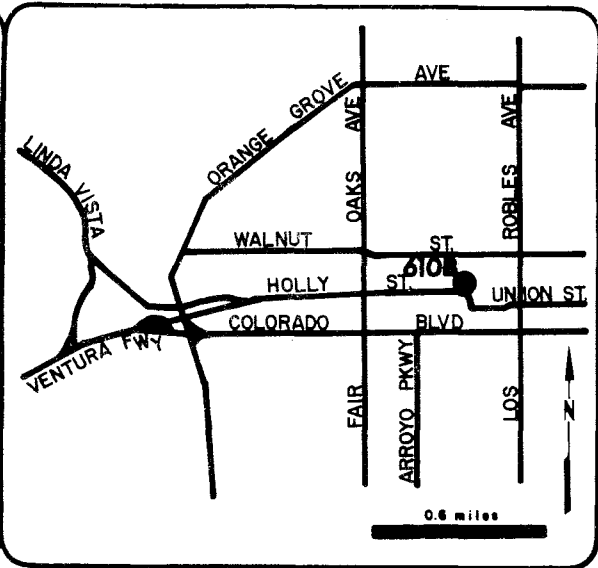
LATITUDE
34° 08' 54"

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

765845-57- (Cb 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 1973-74

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.44	.14		.02						
2						.65	.40					
3				.02		.50						
4				1.68								
5				.55								
6				1.76				.07				
7				3.37		.75			.01			
8	.03			2.21		2.22		T				
9				.04				T				
10												
11												
12				.01								
13												
14												
15			.02									
16				T				T				
17		.19		.37				T				
18		1.12		.01								
19					T							
20				.27								
21		.02		.06								
22			.20									
23	.23	.74								.01		
24												
25												
26						.01						
27						.44						T
28					.10							
29												
30						.02						
31												
TOTAL	.26	2.07	.66	10.49	.10	4.61	.40	.09	.01	.01	0	T

B = STATION MOVED TO LOCATION B SEPTEMBER 3, 1935

SEASON TOTAL 18.70

**STATION NO. 634C
SANTA MONICA**



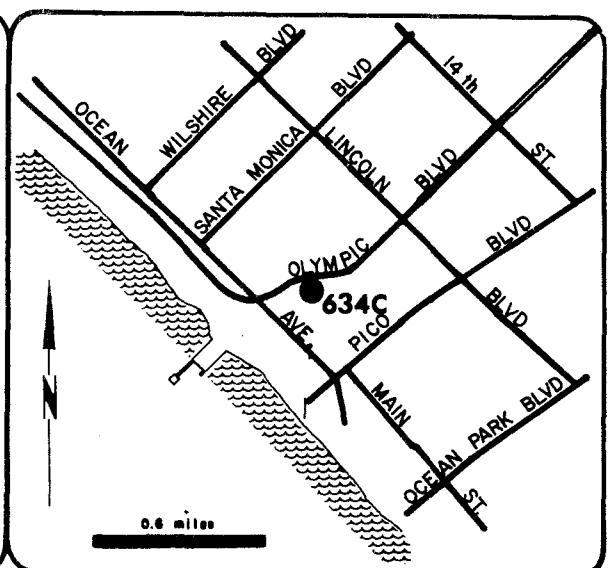
LOCATION
City Hall
1685 Main Street
Santa Monica

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

**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 1973-74
Record Furnished by..... Copied by..... Date Copied.....

1926-27	INC.
1927-28	9.70
1928-29	11.44
1929-30	9.59
1930-31	12.46
1931-32	14.84
1932-33	11.34
1933-34	12.39
1934-35	18.56
1935-36	12.31
1936-37	21.47
1937-38	22.32
1938-39	17.26
1939-40	15.89 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
1948-49	7.69
1949-50	10.54
1950-51	7.57
1951-52	26.26
1952-53	11.70
1953-54	13.87**
1954-55	11.03
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

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.77	.03		.02						
2						1.36	.07					
3				.02		.14						
4				1.76								
5	T		.50									
6				1.86				.10				
7	T			2.10		.12						
8	.07			1.02		1.12		T				
9				.05								
10												
11												
12		T										
13												
14										T		
15												
16		.35		.09								
17		.60		.27								
18				.01								
19	T			T								
20	T			.18								
21			.15	.04								
22			.16									
23	.15	.89						T		.05		
24							.08					
25												
26						.01						
27			.03			.35						
28					.09							
29								T				
30						.06						
31												
TOTAL	.22	1.84	1.11	7.93	.09	3.18	.15	.10	0	.05	0	0

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

SEASON TOTAL 14.67

**STATION NO. 716
LOS ANGELES-
DUCOMMUN ST.**



LOCATION
Los Angeles DWP Service Yard
410 Ducommun Street
Los Angeles

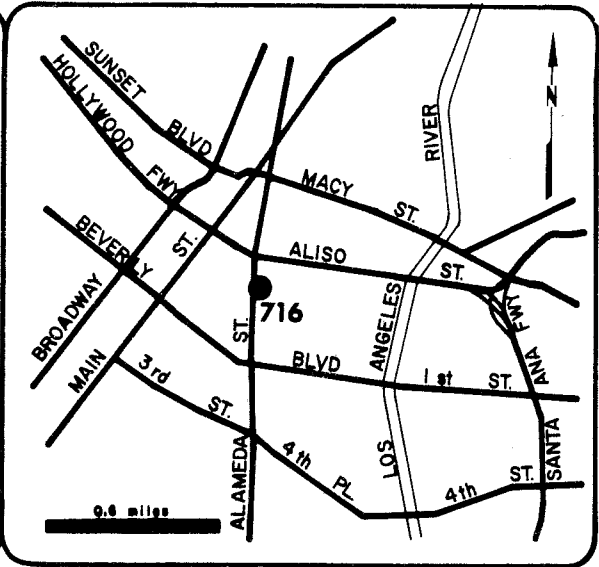
LATITUDE
34° 03' 09"

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.

**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

Station No.716.....
Foreign Station No.
Quad-Index No.27.664.

SEASON RAINFALL

1871-72	INC.	A	1873-74	14.84	1923-24	6.12
1872-73	14.84		1874-75	23.78	1924-25	7.94
1873-74	23.78		1875-76	18.93	1925-26	17.56
1874-75	18.93		1876-77	26.07	1926-27	17.76
1875-76	26.07		1877-78	5.54	1927-28	9.77
1876-77	5.54	B	1878-79	21.26	1928-29	12.98
1877-78	21.26		1879-80	11.35	1929-30	11.21
1878-79	11.35		1880-81	20.34	1930-31	12.78
1879-80	20.34		1881-82	13.13	1931-32	16.83
1880-81	13.13	C	1882-83	10.40	1932-33	11.75
1881-82	10.40		1883-84	12.11	1933-34	14.68
1882-83	12.11		1884-85	38.18	1934-35	21.63
1883-84	38.18		1885-86	9.21	1935-36	12.02
1884-85	9.21		1886-87	22.76	1936-37	22.35
1885-86	22.76		1887-88	13.82	1937-38	23.44
1886-87	13.82		1888-89	13.76	1938-39	18.74
1887-88	13.76		1889-90	19.78	1939-40	13.54
1888-89	19.78	D	1890-91	34.32	1940-41	35.60
1889-90	34.32		1891-92	13.33	1941-42	11.80
1890-91	13.33		1892-93	11.80	1942-43	19.68
1891-92	11.80		1893-94	26.27	1943-44	18.78
1892-93	26.27		1894-95	7.47	1944-45	10.78
1893-94	7.47		1895-96	15.37	1945-46	11.07
1894-95	15.37		1896-97	8.54	1946-47	13.08
1895-96	8.54		1897-98	16.83	1947-48	7.00
1896-97	16.83		1898-99	7.15	1948-49	7.73
1897-98	7.15		1899-00	5.51	1949-50	10.65
1898-99	5.51		1900-01	7.90	1950-51	7.47
1899-00	7.90		1901-02	16.41	1951-52	26.98
1900-01	16.41		1902-03	10.48	1952-53	9.76 G
1901-02	10.48		1903-04	19.75	1953-54	13.07
1902-03	19.75	E	1904-05	8.74	1954-55	12.79
1903-04	8.74		1905-06	19.07	1955-56	18.17
1904-05	19.07		1906-07	18.75	1956-57	10.66
1905-06	18.75		1907-08	19.20	1957-58	23.37**
1906-07	19.20		1908-09	13.02	1958-59	6.13
1907-08	13.02	F	1909-10	17.92	1959-60	9.37 H
1908-09	17.92		1910-11	12.64	1960-61	5.59
1909-10	12.64		1911-12	17.36	1961-62	21.46
1910-11	17.36		1912-13	10.37	1962-63	10.88
1911-12	10.37		1913-14	13.45	1963-64	7.12
1912-13	13.45		1914-15	23.63	1964-65	15.57
1913-14	23.63		1915-16	17.04	1965-66	18.92
1914-15	17.04		1916-17	20.69	1966-67	22.84
1915-16	20.69		1917-18	14.49	1967-68	15.71
1916-17	14.49		1918-19	14.53	1968-69	27.81
1917-18	14.53		1919-20	9.20	1969-70	7.77
1918-19	9.20		1920-21	11.27	1970-71	12.09
1919-20	11.27		1921-22	14.23	1971-72	7.43
1920-21	14.23		1922-23	19.04	1972-73	21.16
1921-22	19.04				1973-74	14.98
1922-23	19.04					

SEASONAL RAINFALL AT Los Angeles - Ducommun Street SEASON 1973-74
Record Furnished by..... Copied by..... Date Copied.....

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.01	.11								
2			.39			1.05	.10					
3						.38						
4				1.38								
5				.40								
6				1.30				.09				
7				3.28		.11						
8	.02			1.16		1.79						
9	T			.09		.12						
10				T								
11												
12												
13												
14		T										
15												
16												
17												
18		.20		.30								
19		.64		.05								
20				.20								
21		T										
22			.29									
23	.10	.88										
24												
25												
26						.02						
27						.30						
28			T		.14							
29												
30												
31						T						
TOTAL	.12	1.72	.69	8.27	.14	3.77	.10	.09	0	0	0	0

SEASON TOTAL 14.90

- 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 715A 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

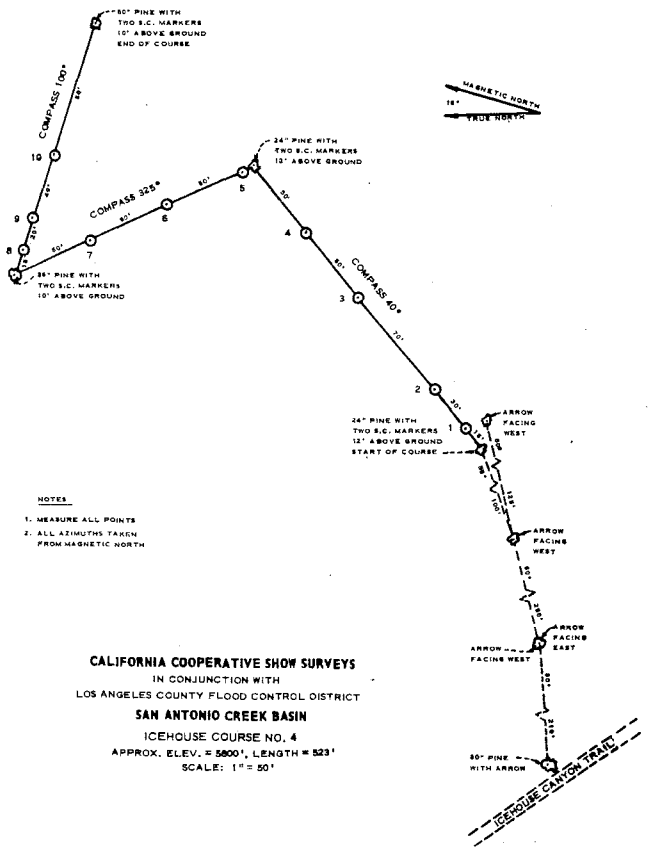
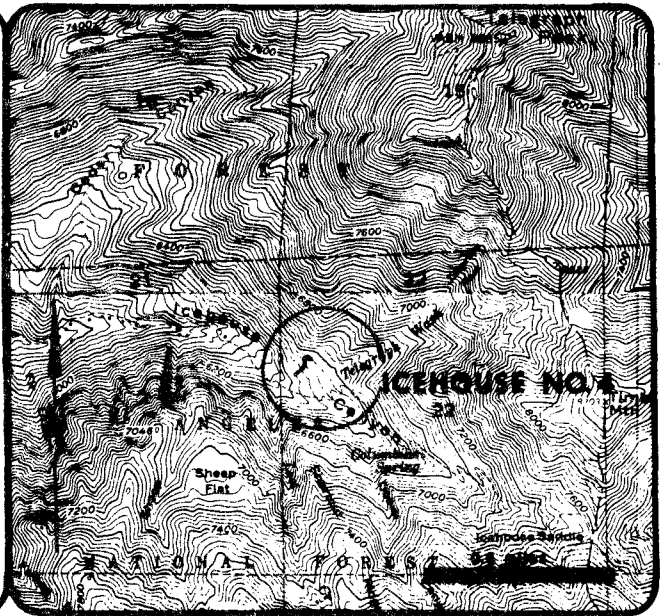
LOCATION
5 miles northeast of
Mt. Baldy Ranger Station
Icehouse Canyon
southern exposure

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

MANKER FLAT SNOW COURSE

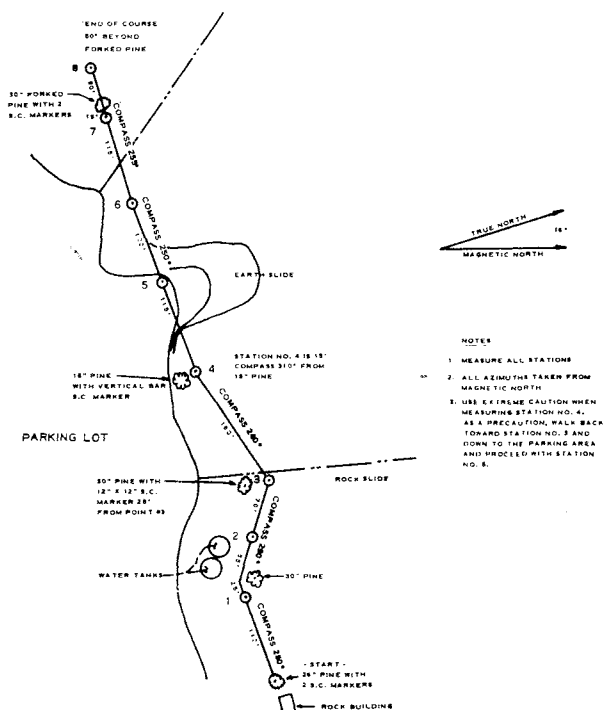
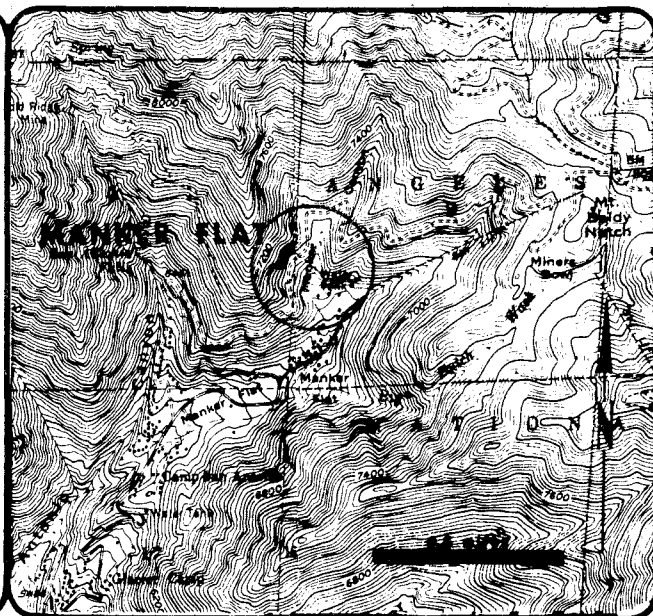
LOCATION
 200 feet west of base of
 Mt. Baldy Ski Lift
 San Gabriel Mountains
 southern exposure

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. = 6500', 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	

+ = PATCHES OF SNOW

LOWER THUNDER MT. SNOW COURSE



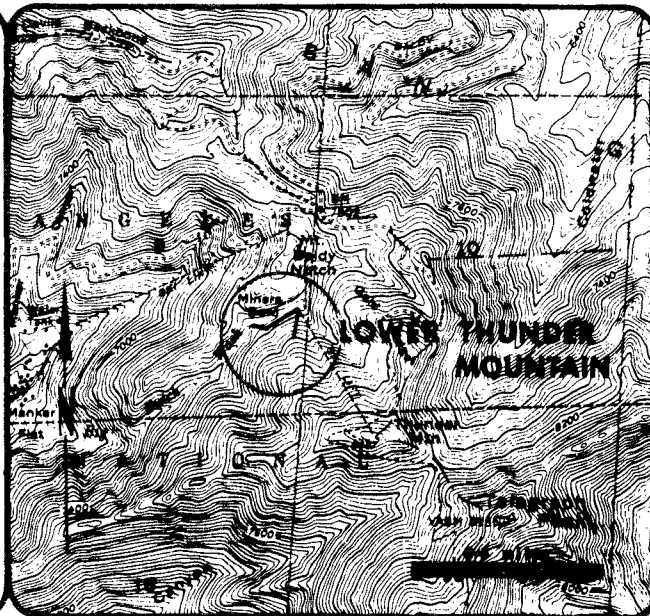
LOCATION
 Just west of base of
 Thunder Mountain Chair Lift
 Mt. Baldy
 San Gabriel Mountains
 northern exposure

ELEVATION
 7500'

LENGTH OF COURSE
 1181'

DRAINAGE AREA
 San Antonio Creek

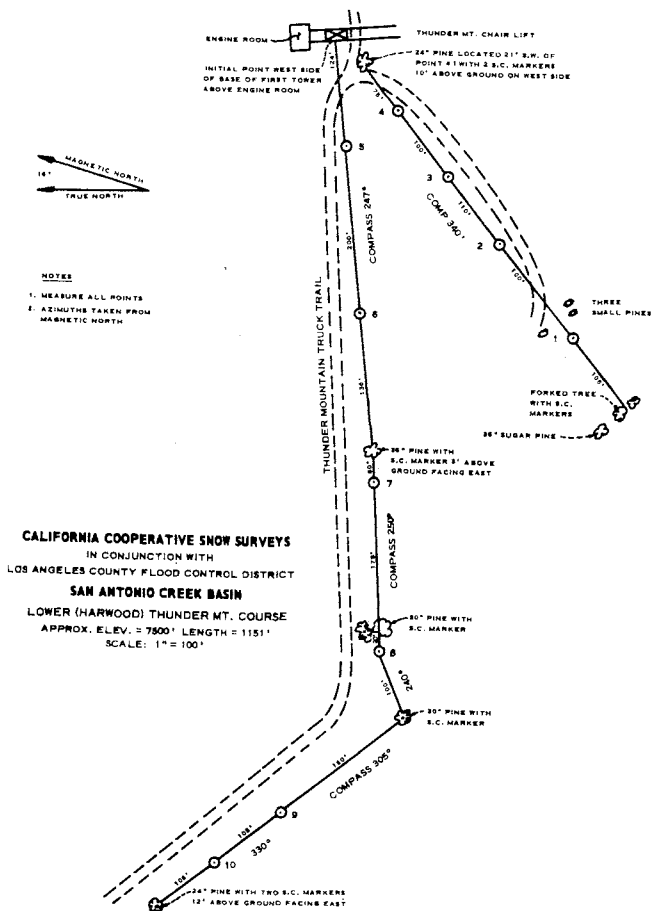
PERIOD OF RECORD
 April 1, 1955, to date



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

+ = PATCHES OF SNOW



UPPER THUNDER MTN. SNOW COURSE



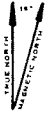
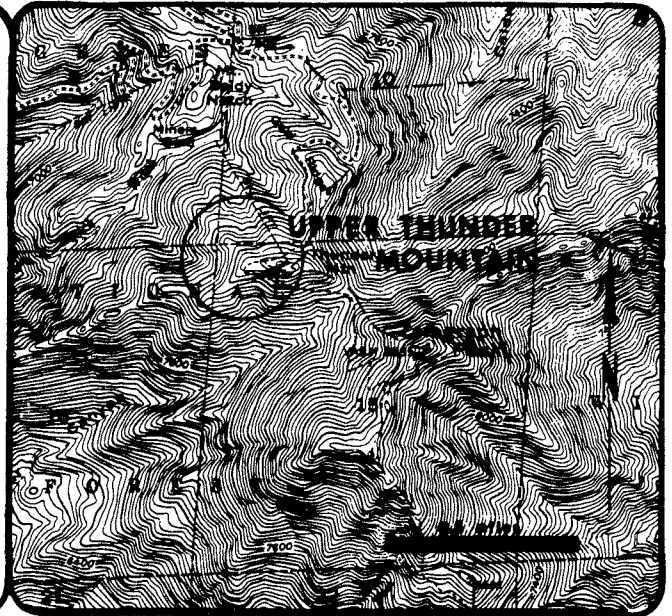
LOCATION
 Just west of upper end of
 Thunder Mountain Chair Lift
 Mt. Baldy
 San Gabriel Mountains
 northern exposure

ELEVATION
 8500'

LENGTH OF COURSE
 665'

DRAINAGE AREA
 San Antonio Creek

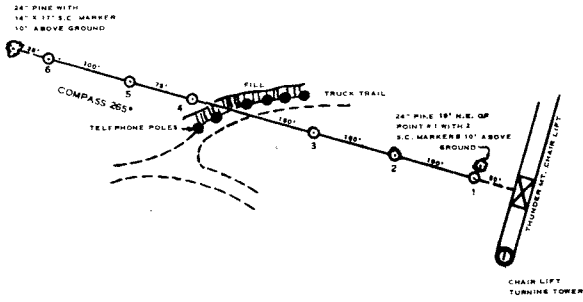
PERIOD OF RECORD
 April 1, 1955, to date



NOTES
 1. MEASURE ALL POINTS
 2. ALL AZIMUTHS TAKEN FROM
 MAGNETIC NORTH

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	5.4	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



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'

+ = PATCHES OF SNOW

BLUE RIDGE SNOW COURSE



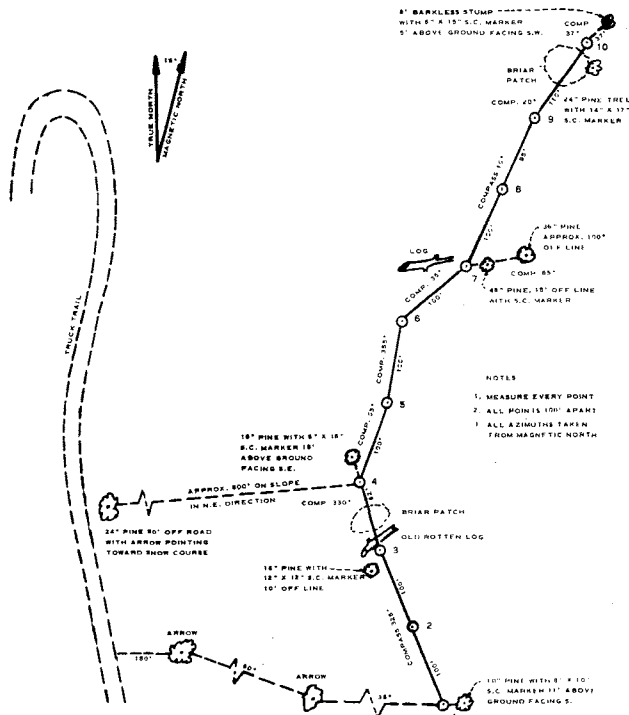
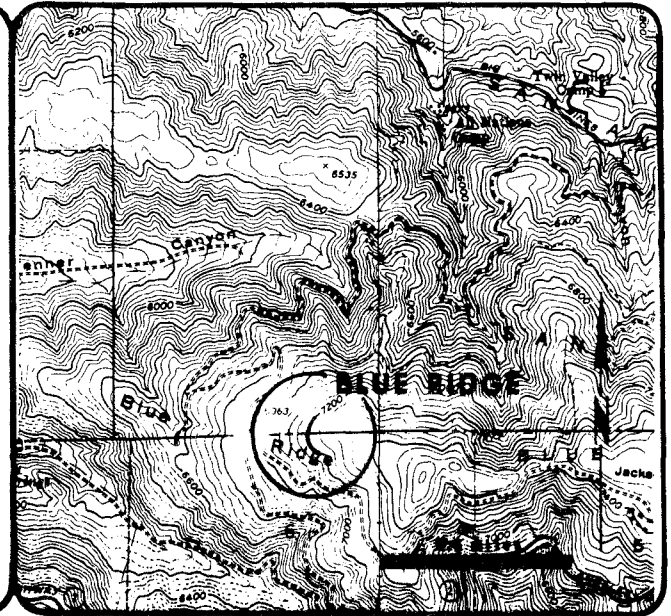
LOCATION
1 mile north of Highway 2
10 miles west of Wrightwood
San Gabriel Mountains
southern exposure

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

+ = PATCHES OF SNOW

ISLIP NO. 2 SNOW COURSE



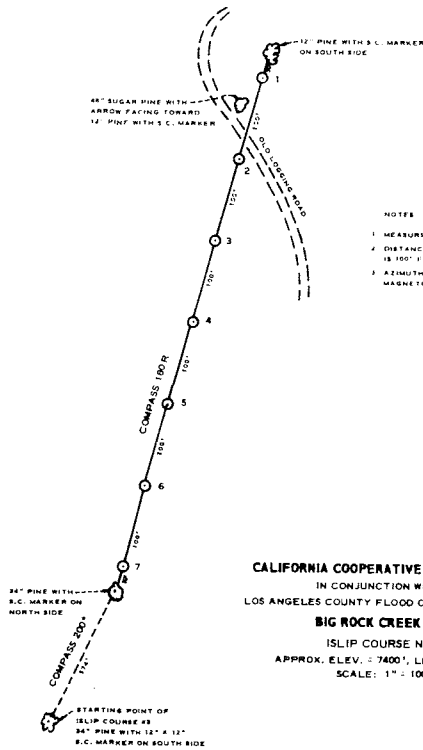
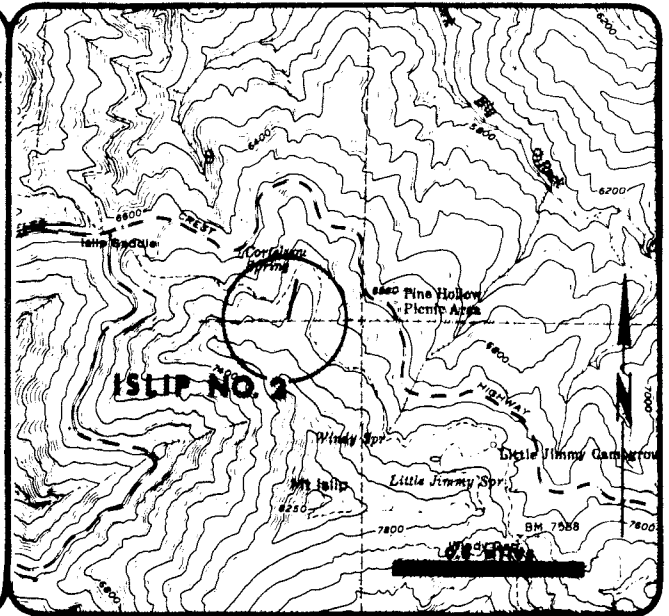
LOCATION
0.50 mile southwest of Highway 2
6 miles east of Highway 39
San Gabriel Mountains
northern exposure

ELEVATION
7400'

LENGTH OF COURSE
630'

DRAINAGE AREA
Big Rock Creek

PERIOD OF RECORD
April 1, 1944, to date



- NOTES**
1. MEASURE ALL POINTS
 2. DISTANCE BETWEEN POINTS IS 100' EXCEPT AS NOTED
 3. AZIMUTHS ARE TAKEN FROM MAGNETIC NORTH

CALIFORNIA COOPERATIVE SNOW SURVEYS
IN CONJUNCTION WITH
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
BIG ROCK CREEK BASIN
ISLIP COURSE NO. 2
APPROX. ELEV. = 7400', LENGTH = 600'
SCALE: 1" = 100'

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

+ = PATCHES OF SNOW

ISLIP NO 3 SNOW COURSE

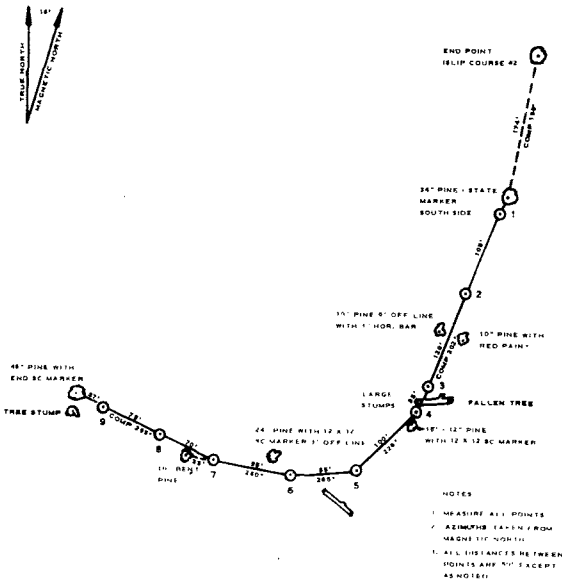
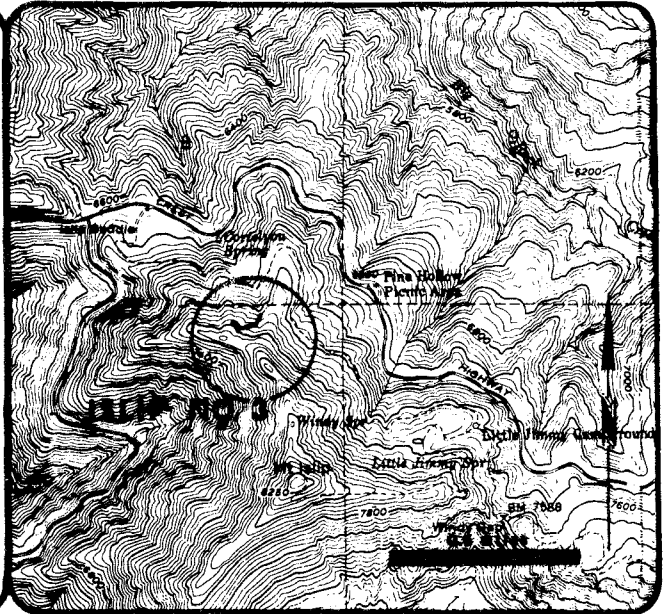
LOCATION
0.50 mile southwest of Highway 2
6 miles east of Highway 39
San Gabriel Mountains
northern exposure

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 = 654'
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

ISLIP NO. 4 SNOW COURSE



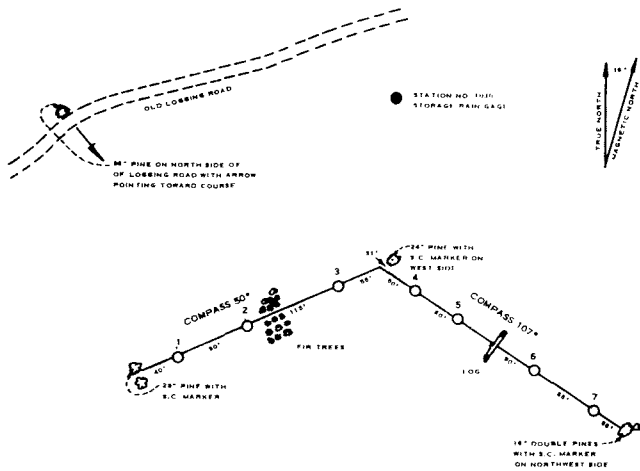
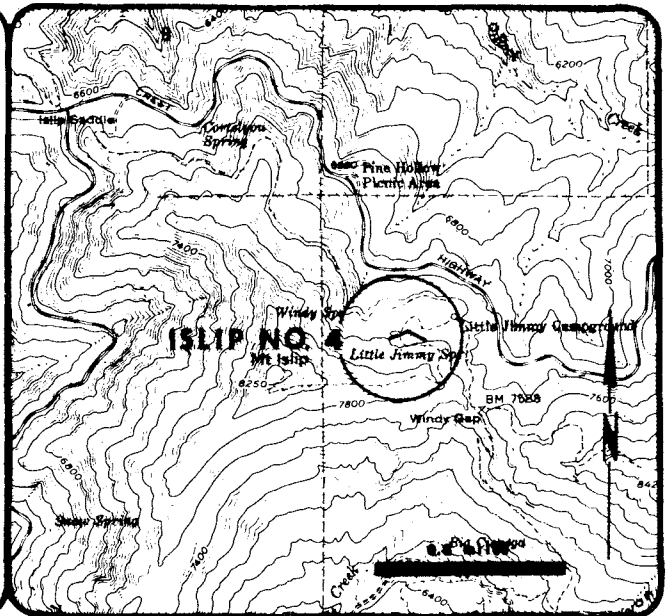
LOCATION
0.50 mile southwest of Highway 2
6.5 miles east of Highway 39
San Gabriel Mountains
northern exposure

ELEVATION
7570'

LENGTH OF COURSE
635'

DRAINAGE AREA
Big Rock Creek

PERIOD OF RECORD
April 1, 1950, to date



NOTES
1. MEASURE ALL POINTS
2. ALL AZIMUTHS TAKEN FROM MAGNETIC NORTH

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

SQW CAMP SNOW COURSE

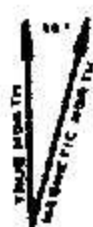
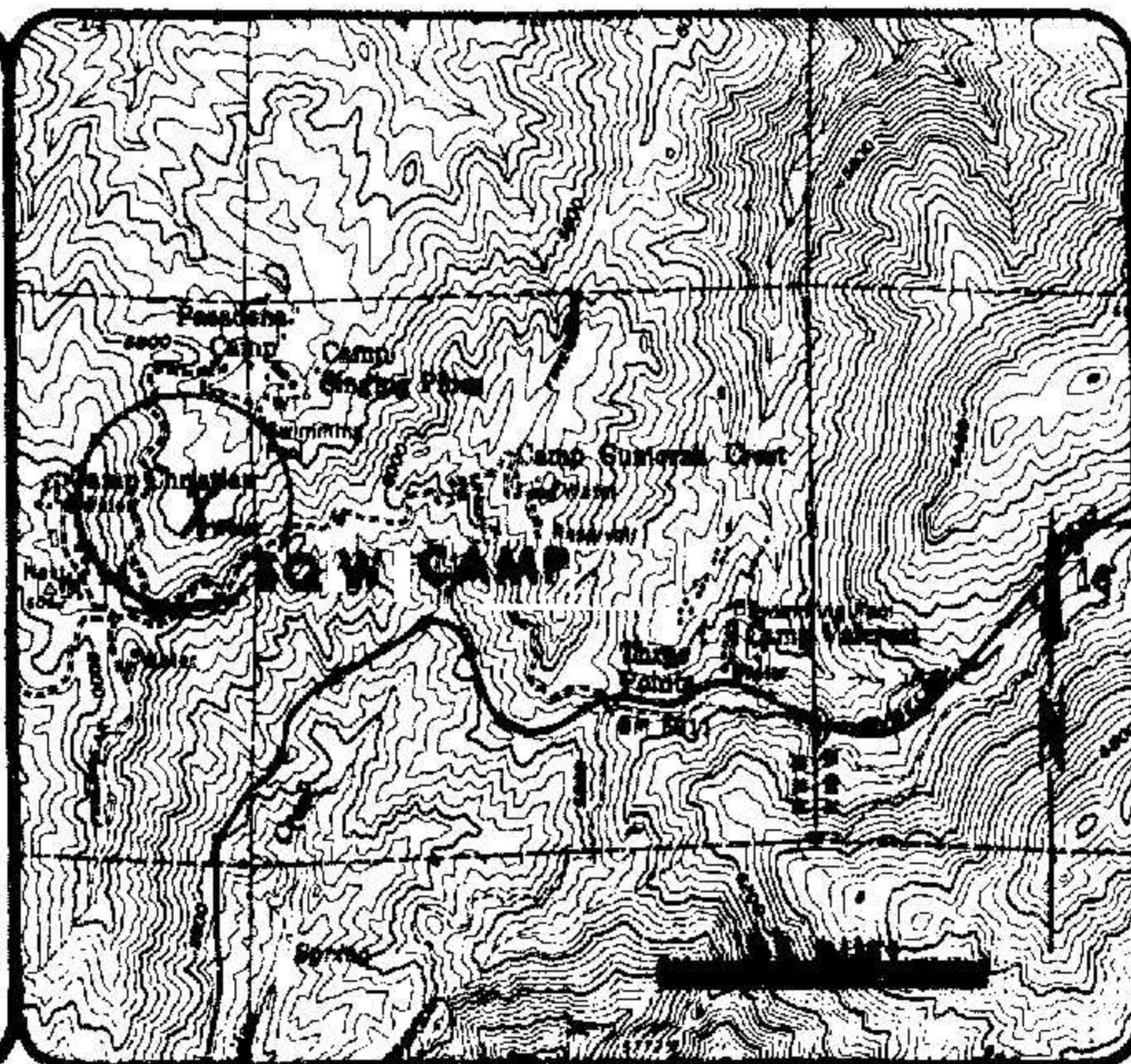
LOCATION
1 mile north of Highway 2
5 miles east of Mt. Wilson Road
San Gabriel Mountains
northern exposure

ELEVATION
5800'

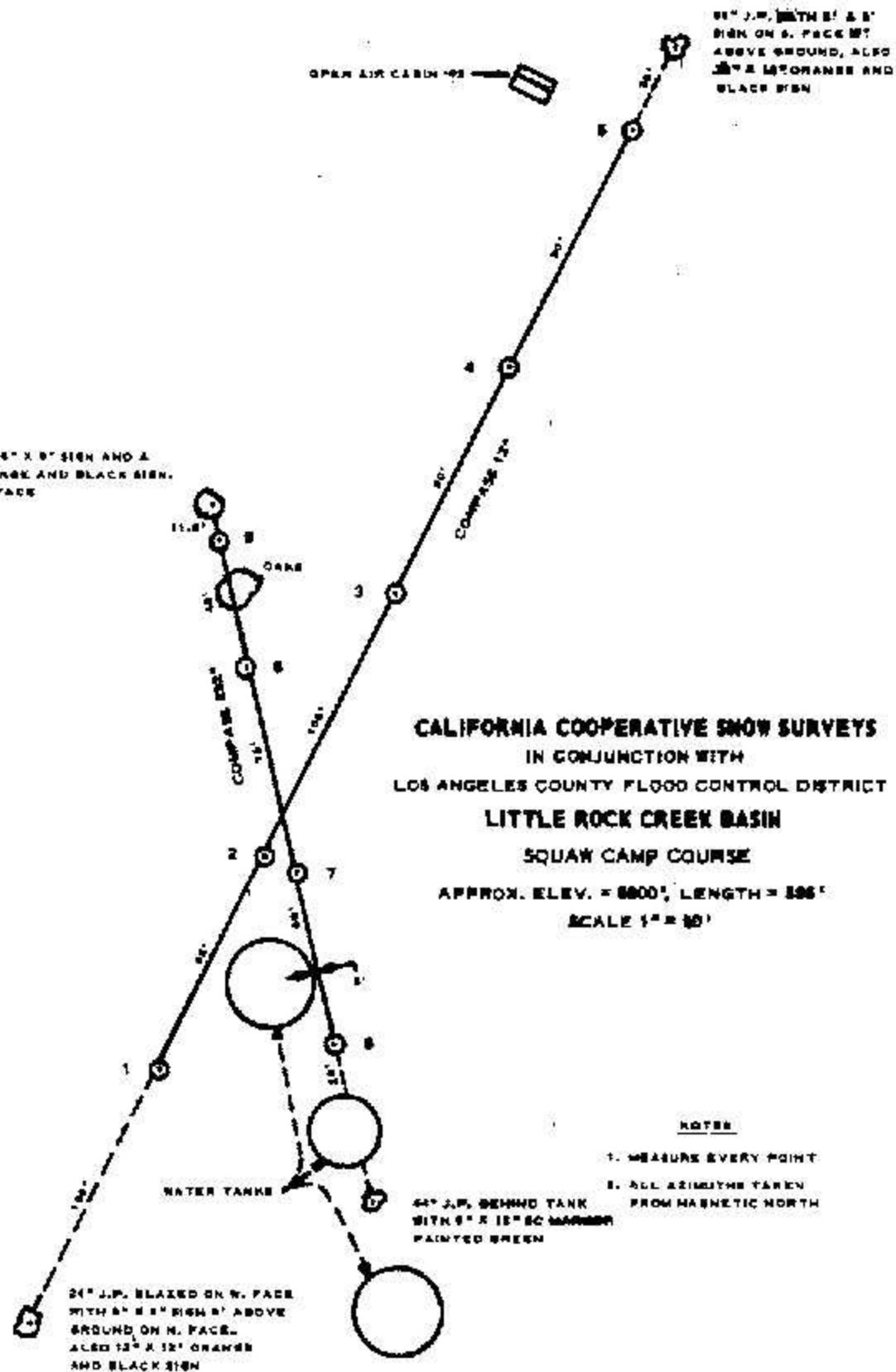
LENGTH OF COURSE
596'

DRAINAGE AREA
Little Rock Creek

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



12" J.P. WITH 4" X 8" SIGN AND A
12" X 12" ORANGE AND BLACK SIGN,
BOTH ON SE FACE



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

+ = PATCHES OF SNOW

CEDAR SPRINGS SNOW COURSE



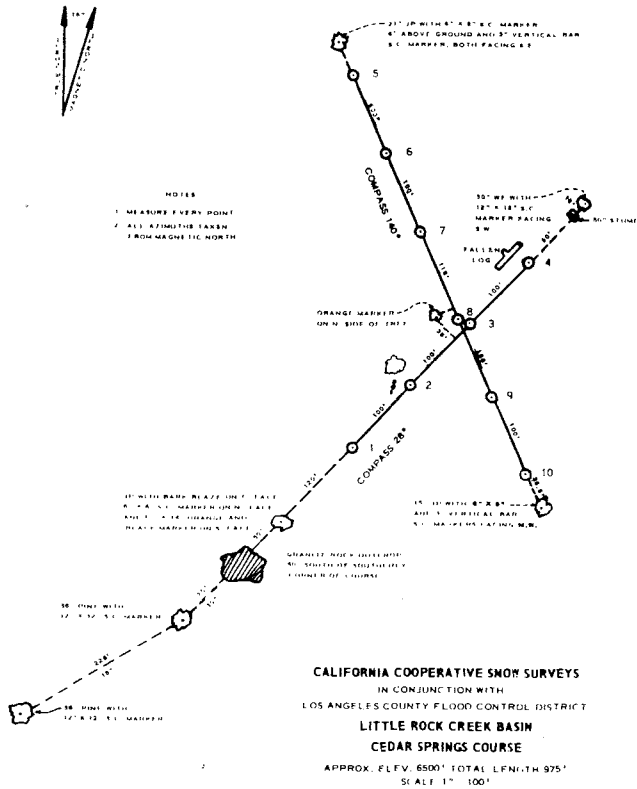
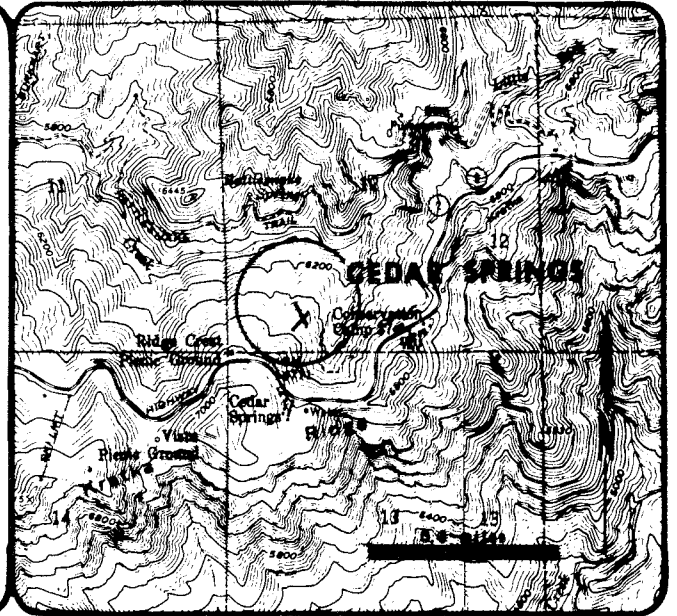
LOCATION
0.25 mile north of Highway 2
5 miles west of Highway 39
San Gabriel Mountains
northern exposure

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

DEER FLATS SNOW COURSE



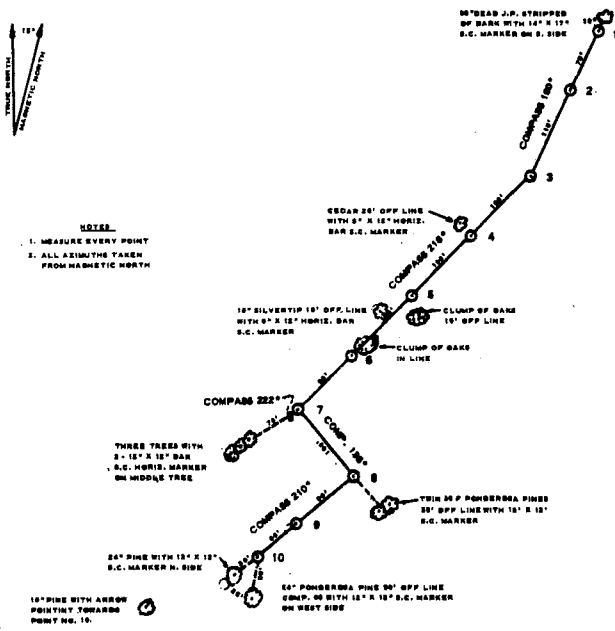
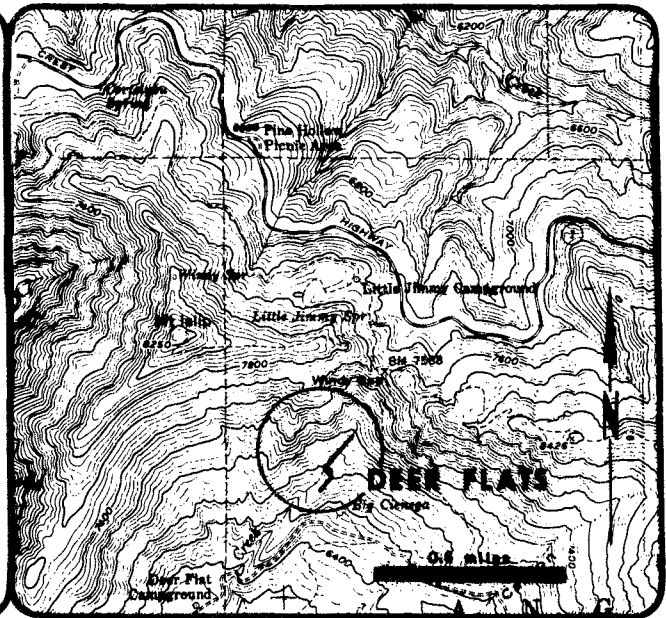
LOCATION
2 miles northeast of
Crystal Lake Ranger Station
San Gabriel Mountains
southern exposure

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

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.

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.

1973-74

Maximum Seasonal Amount - Big Tujunga Reservoir.....	80.12"
Maximum Monthly Amount - Palmdale..... August	11.92"
Minimum Seasonal Amount - Baldwin Park Experimental Station.....	49.10"
Minimum Monthly Amount - Camp Hi Hill (Opid's)..... November	0.41"

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

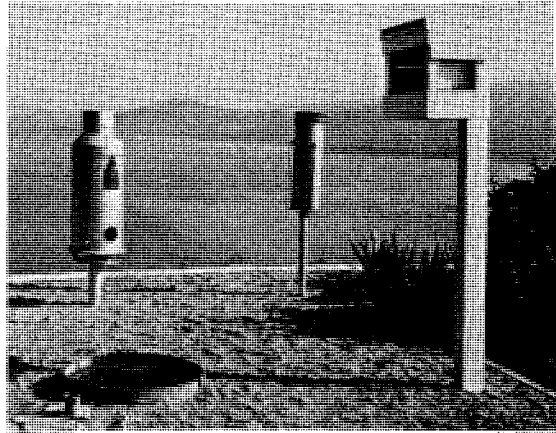
Seventy-two inches in diameter by 36 inches deep. Installed in the ground 33 inches. Water in pan maintained near ground level.

5. Land pan, Type L-36

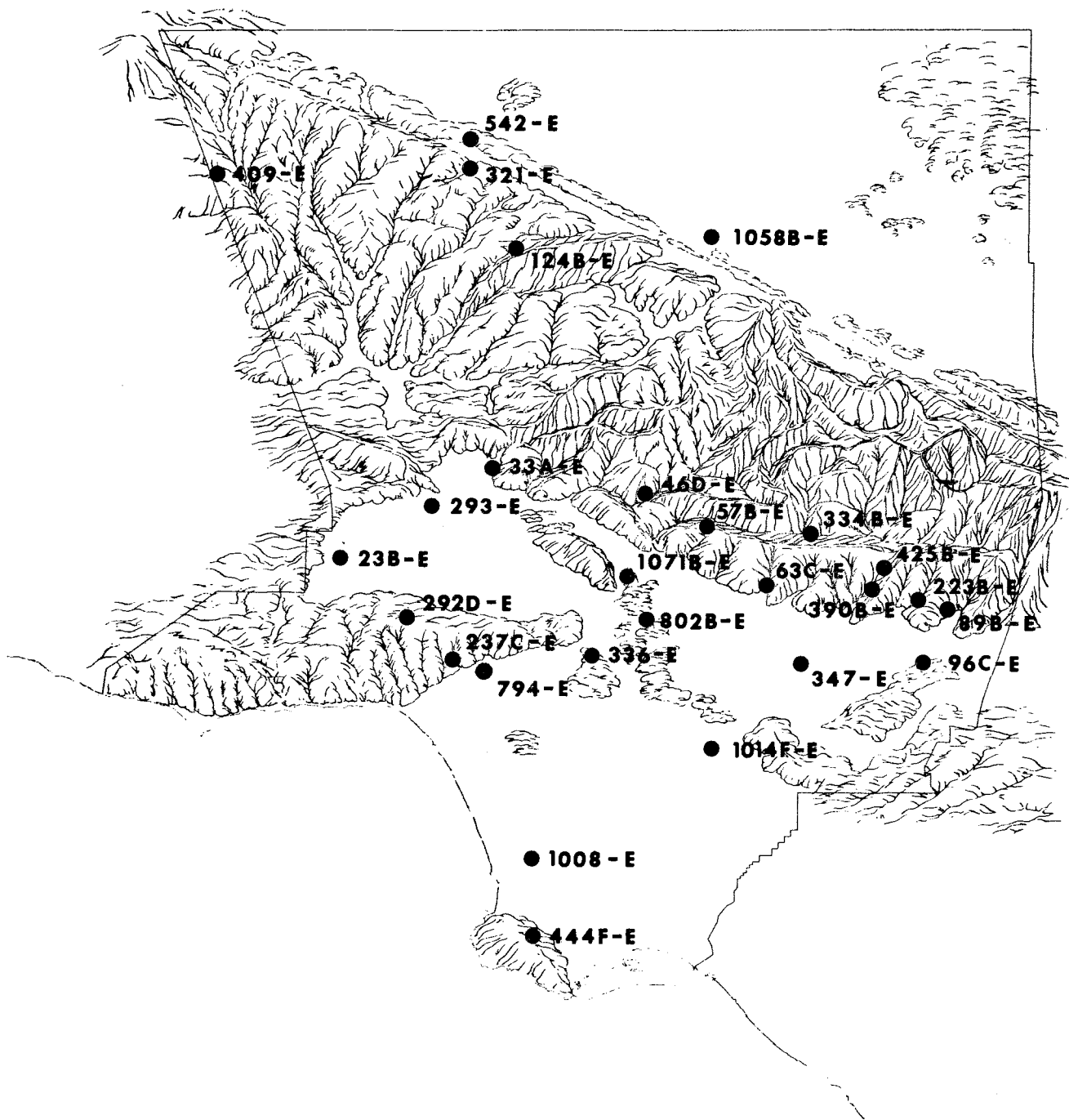
Thirty-six inches square by 18 inches deep. Installed in the ground 15 inches. Water in pan maintained near ground level.

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.



Weather Station at Puddingstone Dam



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	6.60	5.70	8.05	8.30	10.22	9.52	6.92	84.99
1933-34	6.69	8.12	2.50	5.46	2.56	5.48	7.92	9.40	6.68	10.42	9.55	8.68	83.46
1934-35	6.30	3.84	3.73	3.18	4.32	2.84	3.67	4.90	7.02	10.20	9.85	8.12	67.97
1935-36	7.69	4.86	4.58	4.98	2.17	4.74	5.14	8.42	9.54	10.62	10.17	8.46	81.37
1936-37	6.10	6.70	3.46	2.74	2.44	4.28	6.12	5.51	6.98	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	3.48	4.20	3.48	3.83	3.18	5.04	7.12	8.90	10.22	9.94A	8.38	78.39
1939-40	7.47	3.66	3.42	1.96	2.67	3.70	4.68	7.59	8.20	11.35	10.12	7.68	72.48
1940-41	6.24	5.73	3.08	1.76	1.62	2.90	3.46	7.25	6.92	9.02	7.53	6.75	62.26
1941-42	5.61	4.38	2.48	3.28	3.20	5.16	3.48	6.62	7.75	10.55	9.08	6.96	68.55
1942-43	5.73	4.96	3.39	3.78	3.82	2.56	3.92	6.76	7.80	9.15	9.05	7.62	68.54
1943-44	5.60	5.39	4.34	3.80	2.56	5.72	5.10	5.22	6.08	7.98	9.80	7.15	68.74
1944-45	5.14	3.48	3.46	3.05	2.84	3.08	5.73	6.58	6.18	9.28	10.02	7.56	66.40
1945-46	4.86	4.38	2.34	4.26	2.85	3.40	3.95	4.35	7.85	8.95	8.80	7.58	63.57
1946-47	5.10	2.89	1.74	2.86	1.55	3.11	4.82	5.30	5.80	9.32	8.10	6.75	57.70
1947-48	6.39	4.58	3.48	4.35	3.24	3.72	4.28	5.08	6.10	8.00	7.45	7.42	63.29
1948-49	4.48	5.88	2.16	2.69	1.98	2.70	4.95	5.54	7.33	7.72	8.25	7.42	61.10
1949-50	5.52	4.20	3.06	1.78	1.78	3.35	4.72	5.48	6.70	8.10	7.92	5.08	57.69
1950-51	4.64	4.57	3.35	2.26	2.15	5.30	3.20	5.45	5.65	7.58	7.22	5.95	57.32
1951-52	5.18	3.60	2.42	1.86	3.13	2.92	2.75	5.53	5.55	7.55	7.30	6.45	54.24
1952-53	3.80	2.89	1.94	2.70	4.90	3.75	3.50	6.04	5.32	7.78	6.80	5.52	54.94
1953-54	5.60	3.25	5.80	1.78	4.39	2.63	3.00	4.66	5.76	7.71	6.40	5.64	56.60
1954-55	4.59	3.65	3.78	2.18	3.55	4.70	5.84	3.77	5.06	6.72	7.48	6.38	57.70
1955-56	3.92	3.31	1.52	1.18	2.33	4.88	2.66	4.09	5.69	6.51	6.30	6.20	48.59
1956-57	3.72	7.50	6.53	2.14	1.44	3.23	3.29	4.06	6.02	7.50	6.96	5.56	57.95
1957-58	3.12	3.18	4.30	3.07	1.87	2.20	2.80	4.54	5.76	6.49	6.53	6.95	50.81
1958-59	5.00	3.85	3.74	2.34	1.92	4.62	4.38	5.20	6.30	7.93	7.22	5.14	57.64
1959-60	5.06	6.18	4.20	1.80	2.52	3.15	5.16	5.78	6.92	8.32	7.51	6.46	62.56
1960-61	4.58	2.62	3.74	4.49	4.04	3.82	4.89	5.42	6.08	7.50	6.82	5.44	59.44
1961-62	4.76	3.56	2.09	3.35	1.54	1.99	4.24	4.46	4.92	6.66	7.35	5.63	50.55
1962-63	3.66	2.71	2.70	2.44	2.20	3.48	3.36	4.02	4.35	6.98	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	6.04	8.89	10.23	6.68	60.03
1967-68	9.01	3.60	5.59	4.75	2.46	5.61	6.76	7.62	7.50	9.54	8.94	8.40	79.78
1968-69	5.79	6.12	3.89	2.56	1.82	5.22	6.15	5.92	5.80	9.65	10.94	8.34	72.20
1969-70	8.34	7.48	4.38	3.88	2.52	8.16	7.52	8.70	8.22	10.68	10.80	11.26	91.94
1970-71	6.96	5.58	3.08	4.05	4.23	6.12	5.72	6.30	7.18	9.62	10.66	8.80	78.30
1971-72	7.88	4.93	5.38	5.28	4.25	6.23	6.99	7.54	7.96	11.26	9.28	7.22	84.68
1972-73	5.58	N.R.	4.87	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	9.58	9.08	7.43	INC.
1973-74	7.91	3.69	4.11	2.18	6.15	3.31	6.54	6.14	9.06	10.09	8.98	7.84	76.00

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
PACOMA DAM
24" DIAMETER SCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1930-31	6.07	7.10	4.46	2.72	2.98	7.61	6.50	5.18	6.85	9.54	8.58	8.64	76.23
1931-32	7.28	5.93	2.51	2.33	1.92	5.44	6.56	5.28	7.82	9.28	9.04	7.83	71.22
1932-33	7.29	7.81	3.36	3.42	4.32	5.64	4.94	5.72	6.21	9.12	8.10	6.74	72.67
1933-34	6.90	7.28	3.46	4.62	2.79	4.99	6.02	6.27	3.68	7.70	7.26	7.69	68.66
1934-35	6.20	3.74	3.33	2.28	3.12	2.78	3.16	3.80	4.72	6.78	7.42	6.66	53.99
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	6.94A	55.40
1937-38	5.59	3.26	3.04	3.18	1.84	3.22	4.22	4.92	4.95	6.98	6.68	7.48	68.50
1938-39	6.75	5.90**	5.74	4.87	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	4.88	6.38	6.69	10.16	7.40	6.93	75.25
1940-41	7.12	7.00	4.58	2.80	2.36	3.93	3.79	7.15**	5.65	8.64	6.54	6.08	65.74**
1941-42	5.74	6.41	3.39	4.74	4.16	5.86	2.96	5.96	6.72	8.19	6.82	6.40	67.35
1942-43	5.49	5.78	4.51	4.73	4.02	2.80	3.66	6.38	6.80	7.26	6.91	7.27	65.61
1943-44	5.30	5.92	3.42	3.96	2.35	5.02	4.11	4.24	4.22	6.28	7.08	4.65	56.56
1944-45	4.55	2.97	3.98	3.11	2.64	3.16	4.30	4.58	3.32	5.64	7.56	8.30	54.11
1945-46	5.98	4.71	6.67	4.30	4.90	4.90	4.94	4.00	7.79	9.20	9.50	9.00	71.16
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	4.48	4.96	4.80	5.92	5.08	8.62	8.70	9.46	75.41
1948-49	6.12	8.70	4.18	3.66	3.22	3.36	5.21	5.10	6.33	6.96	8.51	8.97	70.32
1949-50	7.31	7.76	5.69	3.44	3.59	5.18	5.40	5.24	6.63	7.92	8.62	5.84	72.62
1950-51	7.49	8.06	6.51	4.36	4.02	6.22	3.73	5.86	6.01	7.98	8.06	7.52	75.82
1951-52	8.62	6.86	4.26	3.48**	4.88	3.44	4.08	6.15	5.12	8.58	8.68	10.14	74.29**
1952-53	7.48	5.12	4.14	5.17	6.94	5.51	3.96	6.76	5.30	8.48	9.12	7.90	75.88
1953-54	8.60	6.19	8.00	3.64**	5.64	3.54	3.52	4.11	4.85	7.60	7.08	8.40	71.17**
1954-55	6.90	6.54	5.80	3.40	4.80	5.26	6.26	4.26	5.08	7.05	8.98	9.08	73.41
1955-56	5.98	5.20	2.80	2.98	3.39	6.00	3.45	4.42	6.85	7.18	7.38	9.28	64.91
1956-57	5.06	8.58	6.90	3.38	2.48	4.26	4.03	3.92	6.55	8.80	8.50	6.95	69.41
1957-58	4.55	4.74	5.38	4.90	2.64	2.90	5.76	6.00	6.50	7.38	6.38	8.98	66.11
1958-59	7.62	5.66	6.20	4.40	3.20	6.20	5.12	4.97	6.08	7.02	6.80	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	4.83	4.60	5.26	4.92	5.82	5.82	6.54	6.80	6.54	68.12
1961-62	6.95	4.80	4.05	5.46	2.74	3.50	6.28	5.34	5.62	7.28	7.88	6.70	66.59
1962-63	5.20	4.28*	5.07	4.37	5.17	5.05	4.70	3.80	4.11	7.81	8.36	8.08	65.00**
1963-64	5.42	5.12	6.76	6.02	6.58	6.08	5.44	5.54	6.00	9.12	7.88	7.62	78.18
1964-65	7.50	5.24	3.81	4.70	4.90	4.16	5.14	5.92	4.74	8.50	7.90	6.36	68.87
1965-66	8.78	4.92**	4.02**	5.30	4.20	5.51	6.30	4.76	6.63	9.25	8.08	7.76	75.28**
1966-67	7.52	4.29**	4.68**	4.88**	6.00	4.19**	3.31	5.74	5.25	7.70	8.88	6.06	68.50**
1967-68	9.49	5.19	4.79	4.86	3.21	5.85	6.38	6.00	6.18	7.73	7.45	7.21	74.34
1968-69	6.45	5.86	4.40	2.45	N.R.	N.R.	N.R.	N.R.	N.R.	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	6.80	6.64	10.15	8.58	7.08	80.44
1972-73	5.85	6.08	4.08	N.R.	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.

* = AMOUNT ESTIMATED IS GREATER THAN 10% OF TOTAL

** = AMOUNT ESTIMATED IS LESS THAN 10% OF

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

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1931-32	6.00	3.30	.52	.48	.68	5.42	5.95	6.22	8.02	10.60	9.98	8.68	65.85
1932-33	7.08	6.40	2.68	2.12	3.90	5.38	4.94	5.85	8.48	10.85	9.32	7.88	74.87
1933-34	6.78	5.22	1.80	3.12	2.40	5.20	6.45	7.58	6.08	9.28	8.72	6.94	69.56
1934-35	5.32	2.83	1.90	1.58	2.35	2.45	2.95	4.50	6.95	8.00	7.50	7.00	53.33
1935-36	5.68	2.98	2.58	2.45	1.25	4.02	4.35	6.90	7.65	8.80	9.25	7.58	63.48
1936-37	5.18	3.88	1.65	.58	1.28	2.45	4.50	5.20	7.22	9.18	9.02	8.32	58.66
1937-38	5.92	3.42	2.82	2.52	1.52	2.08	3.66	5.44	7.15	9.18	9.22	8.03	60.98
1938-39	5.96	5.56	2.88	2.07	2.51	3.00	4.01	6.12	8.82	10.78	10.15	7.58	67.85
1939-40	4.88	3.88	2.58	1.70	1.92	3.33	4.71	5.92	8.92	9.68	9.86	6.70	67.85
1940-41	6.06	3.86	1.91	1.47	1.08	2.24	2.52	6.72	7.39	10.25	10.55	9.40	63.85
1941-42	6.86	6.92	2.76	4.20	4.30	6.69	4.08	8.02	9.42	15.08	13.82	12.12	94.27
1942-43	8.48	6.68	5.06	4.44	4.29	3.61	5.98	9.38	10.58	13.05	12.92	13.12	97.59
1943-44	9.35	6.78	2.20	3.61	2.13	5.32	5.42	6.28	6.94	10.98	12.29	8.88	80.18
1944-45	7.05	3.30	3.92	3.54	3.09	3.32	6.75	7.45	7.55	11.30	12.36	11.48	81.11
1945-46	7.88	5.68	3.50	6.40	4.44	4.56	6.54	7.00	12.30	13.75	14.78	13.15	99.98
1946-47	6.17	3.52	3.16	5.05	3.41	3.96*	5.88	7.52	8.12	14.18	11.12	9.87	81.96**
1947-48	7.48	6.20	4.13	5.70	3.65	3.98	4.88	6.98	7.52	8.12	14.18	11.12	86.93
1948-49	7.68	7.48	3.24	2.40	2.44	3.14	8.68	6.98	7.52	8.12	14.18	11.12	85.84
1949-50	7.35	3.42	4.02	2.57	3.82	5.58	6.44	7.40	8.92	11.62	13.15	8.66	82.95
1950-51	8.84	6.80	5.78	3.40	4.00	6.36	5.19	8.06	9.50	12.08	12.40	12.55	95.36
1951-52	9.18	5.08	3.14	2.27	4.34	3.09	4.92	9.12	8.28	12.60	12.68	11.12	85.82
1952-53	10.10	4.80**	3.20	4.36	5.97	5.38	5.33	7.63	8.62	12.02	12.42	11.00	90.83**
1953-54	9.02	5.65	6.27	3.28**	5.42	3.70	5.96	7.62	9.02	12.38	10.55	11.60	90.47**
1954-55	9.20	6.35	4.43	3.09	4.26	5.38	7.07	6.16	8.55	10.72	12.16	11.72	89.09
1955-56	8.75	5.20	2.60	3.14	3.50	6.92	4.44	5.92	8.75	11.25	11.75	12.03	84.25
1956-57	6.50	8.52	6.88	2.34	2.58	4.14	4.98	4.62	9.82	12.70	11.88	10.02	84.78
1957-58	4.94	4.11	4.02*	4.37	2.43	2.21**	5.19	7.00	7.82	10.48	10.66	10.26**	73.69**
1958-59	8.46	5.54	5.80	3.88	2.88	6.58	5.92	5.82	8.72	10.06	10.05	7.66	81.37
1959-60	7.58	6.85	4.96	2.84	3.48	5.03	6.94	7.14	10.28	11.30	10.80	9.85	87.05
1960-61	7.23	4.15	4.92	5.08	4.34	4.88	6.24	6.35	8.82	9.28	10.16	8.75	80.20
1961-62	8.10	5.28	3.28	4.98	2.32	3.66	6.18	6.18	8.07	10.62	11.68	9.34	80.23
1962-63	7.02	5.32	4.88	3.77	4.29	4.86	4.52	5.25	5.62	11.03	10.38	8.73	75.67
1963-64	5.94	4.66	5.12	4.47	5.51	5.02	4.83	6.16	7.90	11.48	10.82	9.78	81.69
1964-65	8.12	4.46**	3.61	3.71**	4.38	4.10	4.56**	6.54	8.20	10.65	10.33	8.50	78.82**
1965-66	8.68	4.17**	2.96	3.78	3.42	5.43	6.40	5.77	5.83	9.90	10.70	7.47	69.22**
1966-67	7.28	3.82**	4.00	4.61	3.86**	2.66	6.40	6.30	8.20	10.65	10.33	8.50	78.82**
1967-68	9.83	4.69	3.90	3.55	2.89	5.30	6.12	6.62	8.68	9.70	9.22	8.85	79.35
1968-69	6.59	5.29	3.58	2.39	1.66	4.36	5.50	6.60	5.48	8.36	11.78	8.30	69.89
1969-70	7.52	5.45	3.83	3.38	4.04**	4.66	5.65	7.22	8.14	12.95	11.22	10.80	84.86
1970-71	7.34	5.48	2.50	4.26	4.88	5.97	INC.	INC.	INC.	INC.	INC.	INC.	INC.
1971-72	INC.	5.72	3.82	7.08	4.80	7.17	6.84	7.76	9.08	12.6	6.58	7.85	INC.
1972-73	5.37	4.46	4.33	3.73	2.60	3.18	6.07	6.70	8.91	10.68	9.20	9.00	74.22
1973-74	8.30	3.62**	4.14	2.84**	5.24	3.40**	8.06	6.62	8.87	10.22	10.76	10.05	80.17**

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 ** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL
 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. 578
OPID'S (CAMP HI HILL)
24" DIAMETER SCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL	
1931-32	2.14	1.38#	1.78#	.#	.#	1.82	3.31	4.30	5.37	7.94	7.68	5.45	41.17#	
1932-33	3.06	2.02	.26#	.#	.#	.01#	2.44	3.46	6.92	6.72	6.72	5.10	39.97#	
1933-34	2.98	.86	.10#	2.05#	2.70#	.92	3.81	5.26	6.84	6.50	2.24	39.49#		
1934-35	1.71	1.20	.24#	.02#	.12#	.78#	1.92	2.62	4.48	5.58	5.32	4.20	27.99#	
1935-36	5.56	2.19	.70#	1.28#	.62#	2.05#	2.66#	5.48	6.05	8.05	7.31	6.20	48.15#	
1936-37	3.89	2.29	.66#	.#	.#	1.32	2.95	6.04	8.34	10.66	11.21	7.91	55.27#	
1937-38	4.94	1.90	1.30#	.98#	.28#	1.05#	3.12	5.14	7.19	8.83	8.08	5.45	48.26#	
1938-39	2.25	1.84	.94	.24#	.#	.78#	4.78	5.74	7.68	8.00	8.04#	3.84	43.63#	
1939-40	2.29	1.12	.60#	.15#	.26#	1.62#	2.54	5.13	6.82	8.40	8.09	4.43	41.46#	
1940-41	2.55	1.10	.30#	.04#	.09#	.79#	1.96	5.42	5.96	7.40	5.96	3.98	35.45#	
1941-42	3.21	.29	.12#	.34#	.24#	1.38	.78	4.79	6.60	8.56	6.78	5.86	38.95#	
1942-43	7.28	4.57	.40	.16#	.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	8.04	9.32	5.28	42.56#	
1952-53	3.64	.56#	.07#	.57#	.70#	1.44#	2.62**	4.34**	5.95	9.30	8.12	6.73	44.04**	
1953-54	3.64	.96	1.40#	1.40#	1.40***	.92#	3.64	5.44**	6.50	8.33	7.36	5.80	46.43**	
1954-55	3.74	1.04	.40#	.#	.#	1.08#	3.50	3.86	6.55	7.26	8.30	7.80	43.53#	
1955-56	4.60	1.39	.12#	.22#	.10#	2.67#	1.02#	4.20	7.58	8.13	7.60	6.15	43.78#	
1956-57	2.32	2.12	2.42	.08#	.73**	1.58**	2.80	3.10**	6.40	8.30	6.75	4.68	41.28**	
1957-58	2.10*	1.20*	.90*	.62#	.#	.#	2.90*	4.80*	6.38	7.22	7.85	6.52	40.49**	
1958-59	3.25**	1.02*	1.42	.83*	.15#	2.35	3.42**	4.20	6.85	8.15	7.64	4.38	43.66	
1959-60	3.15	2.06	.69#	.#	.#	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.#	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.	INC.
1966-67	2.82	.73*	INC.#	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.#	INC.#	1.88	5.16	6.60	7.19	6.19	5.40	INC.	INC.#
1968-69	2.31	1.26	INC.#	INC.#	INC.#	INC.#	3.25	4.81	5.32	6.82	7.95	5.23	INC.#	INC.#
1969-70	2.76	1.43**	.050**	.085	INC.#	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.#	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.	INC.#
1972-73	2.01	1.98	.#	.#	.#	.#	0.78	3.62	7.01	8.54	7.50	5.38	INC.	INC.#
1973-74	2.77	0.41#	1.00	.#	.#	.#	.#	3.42	5.10	6.84	7.16	7.89	5.80	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	5.95	4.82	4.56	6.10	7.82	6.98	6.88	68.38
1931-32	5.18	3.86	2.68	3.04	2.38	4.34	5.47	4.64	5.54	6.88	7.64	5.56	57.21
1932-33	5.93	6.60	3.49	3.54	3.41	4.81	4.42	4.37	5.50	5.99	5.36	4.15	57.57
1933-34	4.12	4.81	2.68	3.38	2.01	3.72	3.70	4.16	2.84	4.46	4.44	4.62	44.94
1934-35	6.40	4.28	4.08	3.28	4.41	3.47	3.73	4.46	6.14	9.02	9.20	7.26	65.73
1935-36	6.71	5.18	4.58	4.28	2.35	4.78	4.62	6.37	7.36	8.36	8.32	7.74	71.25
1936-37	6.09	5.56	3.94	1.99	2.38	4.04	5.26	4.68	5.24	7.90	8.08	7.58	63.69
1937-38	6.02	3.73	4.22	3.96	2.49	3.00	3.71	4.37	4.44	6.10	7.00	7.00	56.04
1938-39	5.15	4.72	2.77	2.30	2.05	2.28	3.82	4.48	5.89	6.28	6.47	6.26	52.47
1939-40	5.87	4.74	4.04	2.06	2.48	3.72	3.31	5.00	5.06	7.68	6.34	6.06	56.36
1940-41	5.31	4.74	3.47	2.38	1.66	3.26	2.78	5.01	4.32	6.28	5.38	5.30	49.89
1941-42	4.62	5.20	2.40	3.10	2.85	4.22	2.28	3.94	3.42	6.33	5.22	5.46	49.04
1942-43	4.58	4.19	3.70	3.67	2.70	1.88	2.88	4.94	5.26	6.38	6.48	6.30	52.76
1943-44	4.77	4.92	2.17	2.61	1.77	3.42	3.70	3.67	3.37	5.48	6.92	5.02	47.82
1944-45	3.82	2.50	3.50	3.46	2.02	2.04	3.67	3.94	2.58	5.10	6.25	5.30	44.18
1945-46	3.56	4.42	3.06	4.24	3.15	3.08	3.30	2.60	5.92	6.08	5.80	5.38	50.59
1946-47	3.93	2.87	2.88	3.72	2.82	2.94	3.20	2.68	3.40	7.84	6.28	5.16	47.72
1947-48	3.88	4.20	3.50	4.78	3.29	2.94	3.11	3.76	3.39	5.76	5.30	5.14	49.05
1948-49	3.63	4.48	2.70	2.00#	1.71	2.36	3.90	3.35	4.54	4.87	5.95	5.90	45.39#
1949-50	4.86	6.09	4.00	2.24	2.42	3.11	3.29	2.80	4.12	5.34	5.90	3.83	48.00
1950-51	5.52	4.66	4.71	2.92	3.02	4.24	2.24	3.27	3.66	5.04	5.02	4.54	48.84
1951-52	5.18	3.44	2.42	2.18	3.50	2.52	2.25	4.30	3.68	5.46	5.54	5.82	46.29
1952-53	4.28	3.08**	2.56**	3.52	4.46**	3.46**	2.64	4.72	3.94	6.02	5.60	4.79	47.07**
1953-54	5.67	3.97	4.38	2.42**	4.36**	3.02**	2.34	2.82	3.42	5.30	4.60	5.23	46.47
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	44.77
1955-56	3.30	3.20	1.67	2.24	2.47	4.03	2.20	2.96	4.10	4.47	4.51	5.64	40.79
1956-57	3.16	5.12	4.16	2.05	1.60	2.59	2.69	2.42	3.90	5.24	5.64	3.94	42.51
1957-58	2.62	2.57	2.98	3.02	1.98	2.04**	3.46	3.62	4.15	4.76	4.06	5.36	40.62**
1958-59	4.84	4.02	4.12	3.10	2.26	4.75	3.38	3.00	3.96	5.44	4.86	3.34	47.07
1959-60	4.28	4.61	3.66	2.16	2.70	3.12	4.05**	4.02	4.00	5.62	4.77	4.94	47.93**
1960-61	4.12	3.13	4.16	4.58	3.50	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	3.04	2.58	2.50**	2.86**	2.53	2.40	3.46	7.94	7.79	7.62	49.32**
1963-64	5.45	4.20	5.78	4.36**	5.62	4.42**	4.52**	4.88	4.96	8.15	7.48	7.50	67.30**
1964-65	6.84	4.39**	2.91**	3.70**	4.02**	3.43**	3.77**	4.62	3.27	7.15	7.48	5.88**	57.46**
1965-66	8.56	3.88**	3.50**	4.26	3.54**	4.45	5.21	3.96	6.08	8.01	7.06	6.42	64.93**
1966-67	6.49	4.04**	3.70	3.45	4.04	3.84	4.22	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	5.12	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	3.80	3.72	3.97	3.70	3.06	6.05	6.95	6.00	54.57
1971-72	6.44	3.58	2.68	3.40	3.48	3.58	4.77	4.66	4.44	7.28	6.46	5.23	54.00
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.	7.42*	6.80	6.78	INC.

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 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	.64	1.25	2.78	3.02	4.87	5.39	31.76
1935-36	5.22	3.23	1.94	1.86	.78	2.63	2.62	4.42	5.31	6.26	7.24	7.01	48.56
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	.94	.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	7.07	7.75	7.80	46.49**
1940-41	7.96	5.84	3.82	1.74	2.44	2.69	2.80	6.09	4.64	8.85	8.40	8.22	63.49**
1941-42	5.74	4.96	2.27	2.72	1.66	2.46	2.02	3.85	5.38	9.20	9.45	7.42	57.13
1942-43	6.20	5.40	2.82	1.80	1.20	1.96	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	6.65	7.82	7.20	39.91**
1945-46	4.00	1.96	.72	1.50	.80	1.32	2.20	1.22	6.38	6.45	6.65	6.55	39.75
1946-47	2.28	1.38	.86	1.50	1.60	1.41**	1.96	2.52	4.94**	8.95	7.05	6.25	40.70**
1947-48	2.18	2.32	1.76	3.95	1.98**	1.98	2.34**	3.69	5.24	7.66	7.71	7.12	47.93**
1948-49	4.44	3.88	1.44	.88	1.06	1.97	3.50	4.17	6.18	7.48	7.69	6.23	48.92
1949-50	4.42	3.44	1.96	1.10	1.50	2.75	3.42	4.28	6.16	7.60	7.74	5.04	49.41
1950-51	5.14	3.26	2.51	1.65	1.95	3.56	2.82	5.45	5.88	7.52	7.92	6.08	53.74
1951-52	4.98	2.48	1.42	1.15	2.06	2.12	2.58	5.88	5.67	8.10	8.12	6.56	51.12
1952-53	4.78	2.11**	1.28	1.48	2.89	3.04	2.98	5.44	5.59	8.27	8.06	6.43	52.37**
1953-54	4.82	2.74	2.90	1.46	2.72	2.22	2.98	4.50	5.01	7.67	6.54	6.35	49.91
1954-55	4.54	2.69	1.92	1.28	2.18	3.08	4.34	3.67	5.28	6.69	7.42	7.04	50.13
1955-56	3.92	2.43	1.16	1.44	1.74	3.76	2.97	3.96	6.05	6.93	6.97	6.45**	47.78**
1956-57	3.09	3.34	2.38	1.39	1.22	2.16	2.96	3.11	5.12	7.40	7.64	5.42	45.23
1957-58	2.76	2.11	1.69	2.01	1.22**	1.44	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	1.48	1.88	2.63	4.40	5.09	6.10	8.32	6.98	6.32	52.91
1960-61	3.92	1.88	2.08	2.34	2.26	2.68	4.30	4.66	6.18	7.74	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	5.74	48.01
1962-63	3.65	2.62	2.28	1.76	2.20**	2.92**	3.66	4.00	4.08	7.47	6.99	5.75	47.38**
1963-64	3.38	2.07	2.18	1.90**	3.01	3.20	3.67**	4.61	5.00	7.96	6.82	5.66	49.46**
1964-65	4.52	2.40	1.30**	1.62	2.25	2.72	3.44	4.66	3.88	INC.	INC.	INC.	INC.
1965-66	N.R.	2.19**	1.73**	1.98	2.03	3.20	6.63	4.66	6.37	8.27	7.59	5.86	INC.
1966-67	4.60	2.22	1.58	1.73**	2.68	2.59	2.45	4.99	4.42	7.69	7.87	4.84	47.66**
1967-68	5.51	2.67**	1.89	1.75	1.61	3.49	4.34	5.03	5.92	7.57	7.05	5.90	52.73**
1968-69	3.96	2.78	1.93	1.44	1.26	2.86	3.73	4.64	3.70	6.24	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	8.61	8.86	8.22	59.78
1970-71	4.50	3.02	1.38	2.02	2.56	3.44	4.17	4.46	6.47	8.96	9.14	7.14	57.26
1971-72	5.73	2.79	1.64	1.82	2.60	3.74	5.08	6.00	6.54	9.75	7.50	5.33	58.52
1972-73	3.68	2.21	2.09	1.51	1.32	1.98	4.25	5.16	7.40	7.83	7.00	4.98	49.41
1973-74	4.84	2.23	1.68**	1.24	2.46	1.50	4.11	4.24	6.75	8.20	7.37	6.23	50.85**

** = 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	5.37	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	2.37	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	4.46	4.74	8.82	6.39	9.99	9.67	8.55	77.87
1934-35	6.46	3.67	3.50	2.72	2.65	3.32	3.84	5.73	6.72	9.48	7.68	7.68	65.61
1935-36	6.68	5.19	4.35	3.96	2.46	3.87	4.66	7.61	8.60	10.10	10.78	9.24	77.50
1936-37	7.38	6.72	3.91	2.35	2.15	3.33	5.50	5.76	7.58	10.24	9.72	8.95	73.59
1937-38	6.96	4.33	3.88	3.52	2.18	3.00	3.82	4.82	6.50	9.30	9.76	8.88	66.95
1938-39	7.41	6.34	4.26	3.00	3.37	2.98	5.02	5.85	8.58	10.12	8.64	7.64	73.21
1939-40	6.33A	4.42	3.86	2.03	2.60	3.69	3.80	4.45	4.79	7.30	8.30	6.94	58.51
1940-41	6.28	4.92	5.02	3.72	2.58	3.66	3.65	5.95	5.95	8.34	7.78	5.62	63.47
1941-42	5.32	5.28	3.36	3.98	3.08	4.10	2.88	4.30	5.02	7.75	8.40	6.52	59.99
1942-43	6.08	4.30	3.72	3.38	3.30	2.95	3.78	5.68	7.25	8.72	7.38	7.42	63.96
1943-44	5.60	4.92	2.02	2.12	1.96	2.87	3.52	4.30	4.99	6.91	8.00	5.98	53.19
1944-45	4.52	2.60	3.16	2.55	2.08	2.04	3.30	5.48	4.88	7.43	7.54	7.12	52.72
1945-46	4.36	4.12	2.92	3.54	2.14	2.91	3.50	3.92	7.55	8.45	8.72	7.52	59.65
1946-47	4.56	2.62	2.18	2.66	2.40	2.68	3.52	3.98	4.70	8.28	7.32	5.86	50.76
1947-48	4.28	3.52	2.80	3.22	2.83	2.73	3.16	4.87	4.96	7.44	6.39	5.98	52.18
1948-49	4.00	4.21	2.33	2.05	1.40	2.18	3.42	4.20	5.86	6.14	6.61	5.88	48.28
1949-50	4.36	3.97	2.78	1.62	1.42	2.14	3.01	3.58	5.22	6.22	6.72	4.32	45.36
1950-51	5.36	3.47	3.12	2.57	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	3.75	1.77	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	2.86	1.66	1.20	1.88	2.57	3.00	4.80	6.40	6.16	4.32	42.58
1957-58	2.82	2.08	2.21	1.98	1.41	1.82	2.71	3.73	5.43	8.04	5.04	5.04	39.22
1958-59	4.42	3.02	2.89	1.86**	1.65	3.08	2.94	3.62	4.66	6.04	6.51	5.28	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	2.21**	2.58	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	5.98	56.07**
1966-67	4.69	2.64**	2.69	2.57	3.37	3.25**	3.00	5.36	6.07	8.57	8.01	5.91	56.14**
1967-68	4.42	6.75	2.78	2.78	2.02	4.36	5.20	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	3.67	5.19	4.12	8.15	9.64	6.94	57.28
1969-70	5.88	3.96	1.84	1.69	3.01	3.64	5.46	6.31	6.24	9.38	9.18	7.96	64.55
1970-71	4.66	3.06	1.82	2.24	2.50	3.52	4.99	5.11	6.80	9.65	10.16	8.05	62.56
1971-72	6.66	2.93	2.40	2.62	3.04	3.98	5.84	6.42	6.94	10.04	9.00	6.17	66.04
1972-73	4.33	2.97	3.05	2.56	1.42	2.51	4.97	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**

** = 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. 223B
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	8.02	9.80	12.76	11.97	11.16	104.06
1931-32	7.32	5.08	3.02	3.21	2.71	6.02	7.20	7.15	8.41	11.02	11.84	8.88	81.82
1932-33	6.78	7.88	3.10	4.25	4.35	6.47	5.51	6.60	9.39	10.92	10.22	7.78	83.25
1933-34	8.03	7.99	3.22	4.52	2.84	6.42	7.08	9.42	6.76	12.15	11.36	11.02	90.81
1934-35	7.02	3.77	3.52	2.87	4.16	3.25	4.42	5.72	8.30	10.45	10.42	7.82A	71.72
1935-36	6.50	4.12	3.28	2.88	1.85	4.05	7.10	7.00	6.53	8.24	9.32	9.55	69.34
1936-37	6.22	5.00	2.92	1.50	1.92	3.28	5.75	5.00	6.60	9.40	9.40	8.25	65.24
1937-38	6.98	3.80	3.72	3.48	2.68	2.12	2.65	3.45	6.08	8.95	8.80	7.53	59.66
1938-39	6.28	4.65	4.08	2.98	3.48	2.48	3.55	4.28	6.32	7.70	7.88	6.98	59.62
1939-40	4.85	3.75	2.82	1.55	2.25	3.22	2.65	5.58	6.40	9.85	8.42	6.78	58.12
1940-41	5.02	2.75	1.74	1.45	.78	1.88	2.55	5.18	5.22	8.50	6.32	5.65	47.04
1941-42	4.00	3.35	1.55	1.72	2.30	3.25	2.22	4.80	4.80	9.48	8.18	6.55	52.20
1942-43	4.72	4.48	3.83	3.34	2.80	1.73	3.20	5.37	6.12	8.88	8.30	7.96	60.73
1943-44	5.06	4.75	1.81	1.10	1.43	3.50	3.06	3.23	3.38	6.51	9.71	7.13	50.69
1944-45	3.99	1.86	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	1.44	1.60	6.14	8.28	8.69	6.26	41.94
1946-47	4.15	2.23	1.30	2.73	2.04	1.34	2.32	4.26	4.28	9.00	7.14	5.99	46.80
1947-48	4.17	3.78	2.94	3.20	2.83	2.10	3.12	3.74	4.32	6.70	7.49	6.89	51.28
1948-49	3.40	2.92	.98	1.18	1.38	1.37	3.38	3.38	5.93	7.05	6.80	6.72	46.49
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	6.44	6.14	5.70	45.15**
1954-55	4.04	2.35	1.55	1.33	2.06	2.76	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	3.08	1.30**	2.18**	5.22	5.24	5.94	4.48	9.11	7.18	55.60
1962-63	4.03	3.58	3.08	2.24	2.73**	3.25**	3.27	3.88	4.10	7.98	7.00	5.77	51.91**
1963-64	3.66	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	3.46	4.72	5.08	5.88	7.42	7.07	6.12	54.95
1968-69	4.02	3.28	2.55	1.82	1.61	2.77	3.36	4.31	3.80	6.82	7.68	6.15	47.97
1969-70	4.94	3.81	2.68	1.80**	2.58**	2.70**	3.99	4.72	5.08**	7.42	7.38	6.63	50.69**
1971-72	5.22	3.16**	1.45**	2.48	2.38**	2.74**	3.68	4.10	4.45	6.32	7.00	5.98	47.83**
1970-71	4.10	2.90	1.98	2.14	2.32	2.89	4.12	4.66	4				

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	2.52	5.61	5.59	6.78	7.89	7.88	6.30	77.79
1957-58	4.64	6.10	4.28	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	6.46	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	62.80
1964-65	5.86	5.04	3.48	3.56	3.60	3.98	2.89	6.43	5.78	7.69	8.38	5.74	72.39
1965-66	8.79	4.13	3.75	3.40	3.97	3.43	3.98	6.10	5.53	7.69	8.23	5.93	62.80
1966-67	7.27	3.14	5.02	4.14	4.77	6.05	4.87	4.87	6.21	8.31	7.77	6.70	68.87
1967-68	6.90	3.52	3.91	2.60	2.60	5.43	5.78	6.39	6.20	7.55	7.86	6.72	65.23
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	66.57
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	64.87
1970-71	5.73	4.08	2.98	3.69	4.38	5.82	5.88	5.80	5.68	7.50	8.42	7.16	72.56
1971-72	7.13	4.38	3.98	4.04	3.53	4.08	5.72	6.39	6.54	9.14	7.96	5.90	66.10
1972-73	4.45	4.96	5.46	5.20	2.88	3.34	5.88	5.16	6.99	6.98	6.97	6.00	69.84
1973-74	6.92	4.61	6.15	2.58	4.89	2.42	5.99	5.74	6.82	7.99	6.81	6.16	64.08
													65.12

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

MONTHLY EVAPORATION SUMMARY
STATION NO. 292B
FENCINO 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	4.67	8.49	7.83	9.45	13.42	11.54	10.58	87.19**
1937-38	8.24	4.45	3.20	4.45	2.60	3.56	6.80	9.32	8.52	11.70	12.03	11.12	85.99
1938-39	8.28	6.69	4.75*	3.27*	4.02	4.43	7.80	8.35	10.46	11.92	11.73	11.31	93.01**
1939-40	8.95	5.64	4.25	2.09	2.79	5.13	7.03	9.46	9.28	13.54	11.46	9.90	89.52
1940-41	7.51	5.92	3.99	2.17*	2.25*	4.15*	4.75*	9.49	8.93	10.93	9.99	8.48	78.56
1941-42	6.81	5.52	2.86	3.18	4.08	7.04	5.59	8.84	9.26	11.93	9.88	7.61	82.60
1942-43	6.11A	4.86	3.40	3.52	3.36	3.95	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	5.80	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	4.24	6.80	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	6.84	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	8.44	8.85	7.70	61.49
1949-50	6.09	4.76	3.04	1.86	2.16	4.44	5.24	5.67	6.76	8.88	8.42	5.67	62.99
1950-51	6.08	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	8.84	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	1.8	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	6.88	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	8.64	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	8.64	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	6.67	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	4.68	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	6.00	7.90	10.15	10.13	8.98	79.21
1970-71	6.02	4.78	2.60	2.82	4.00	5.16	5.88	6.51	7.03	9.38	10.14	7.98	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

* = 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	6.14	6.02	7.52	4.99	6.72	8.00	9.51	8.95	84.31
1955-56	6.32	6.50	2.91	3.00	3.78	7.62	4.22	5.86	6.96	8.73	8.07	8.96	72.93
1956-57	5.68	11.54	9.89	3.31	2.61	5.84	4.64	5.11	8.22	9.92	9.38	7.30	83.44
1957-58	5.40	6.18	6.80	6.12	1.96	2.87	7.18	6.89	7.32	8.57	8.23	10.50	78.02
1958-59	8.54	7.14	8.32	5.76	3.04	8.43	6.40	7.13	7.52	9.47	8.78	6.60	87.13
1959-60	7.96	10.50	8.37	3.07	4.02	5.14	7.75	8.90	7.52	10.64	9.04	8.82	91.73
1960-61	7.32	5.06	7.15	7.94	7.14	6.43	6.74	6.75	7.44	8.34	8.92	7.72	86.95
1961-62	7.86	5.86	5.55	7.70	3.13	3.87	6.96	6.32	6.45	8.36	9.74	7.18	78.98
1962-63	5.86	5.08	5.84	4.77	5.78	5.88	5.26	4.94	4.86	8.50	8.49	8.45	73.71
1963-64	6.31	6.12	8.20	6.36	7.58	6.05	6.20	6.68	5.82	9.06	8.14	7.44	83.96
1964-65	6.66	5.46	4.11	4.66	4.85	3.82	5.68	6.44	5.36	8.09	8.46	6.89	70.48
1965-66	8.42	4.27	5.18	5.15	3.80	5.41	6.17	5.16	6.98	9.42	8.70	7.15	75.81
1966-67	7.85	3.53	5.64	6.03	5.27	4.27	3.60	7.37	6.92	8.94	9.11	8.73	80.88
1967-68	8.62	3.82	5.18	5.38	3.12	6.39	7.30	5.66	5.22	8.73	10.30	7.59	74.28
1968-69	6.39	7.13	5.47	3.42	2.21	5.66	6.50	7.04	6.28	8.79	8.80	6.32	74.09
1969-70	8.67	7.20	5.02	4.16	2.08	7.87	7.79	8.04	6.97	9.70	9.58	9.82	86.90
1970-71	6.79	5.61	4.51	5.72	5.48	6.92	6.33	6.46	6.16	8.85	9.32	8.48	80.63
1971-72	8.40	4.80	4.41	6.21	5.12	6.54	6.55	7.27	7.41	10.34	10.20	6.75	84.00
1972-73	5.31	5.16	6.26	5.53	3.00	3.44	7.04	6.28	8.79	8.80	8.16	6.32	74.09
1973-74	7.67	3.95	3.26	3.06	5.71	3.66	7.48	5.78	8.29	9.08	7.47	6.55	71.96

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

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

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1931-32	6.40	3.84	1.42	1.78	2.64**	6.70	8.70	9.35	11.52	16.30	15.53	12.42	96.60
1932-33	8.67	6.51	2.96	1.72	3.48	5.67	6.35	7.76	9.82	12.79	12.25	10.32	88.30
1933-34	8.32	6.20	3.10	3.94	3.13	6.43	8.44	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	8.85	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	1.67	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	6.33	9.47	10.14	10.22	7.70	67.78
1940-41	4.70	2.40	2.10	1.19	1.22	2.91	2.92	8.30	11.77	14.08	11.98	9.05	78.26
1941-42	6.09	2.46	1.18	2.66#	2.65	5.00	5.06	10.45	10.15	12.20	12.00	10.10	85.10
1942-43	7.24	4.62	3.18	2.76	3.04	3.84	5.52	7.88	8.15	12.32	12.82	10.92	86.96
1943-44	6.88	4.88	4.57	3.00	3.79	5.47	6.28	9.32	9.74	12.06	11.47	9.20	82.96
1944-45	7.40	3.88	3.06	3.24	3.52	2.70	7.37	7.37	11.82	12.31	12.72	9.86	84.83
1945-46	6.01	3.96	3.03	3.80	3.52	4.70	6.28	7.81	8.38	11.08	9.80	7.86	69.94
1946-47	5.40	3.20	1.96	2.60	2.50	3.89	5.46	7.50	8.50	10.71	10.20	8.94	72.53
1947-48	5.70	3.91	2.78	3.42	2.96	3.65	4.26	6.87	9.17	11.10	9.91	8.10	69.11
1948-49	5.40	4.42	2.02	1.56	1.68	2.87	6.01	7.22	8.77	10.42	10.76	7.39	71.18
1949-50	6.44	4.10	2.44	1.60	2.36	4.48	5.20	8.16	9.40	12.02**	11.42	9.60	78.09**
1950-51	5.69	3.85	3.02	2.23	2.32	4.78	5.60	9.33	9.06	11.54	11.28	9.08	77.66
1951-52	7.42	3.99	2.04	2.46	3.25	3.17	5.04	5.87	8.80	11.40	10.36	8.44	81.14**
1952-53	7.50	5.18	3.43**	3.42	5.45	5.17	5.72	8.65	9.72	11.27	10.34	9.74	79.04**
1953-54	6.22	4.91	3.82	2.60	3.68	2.90**	5.10	6.08	8.12	10.82	11.55	9.00	75.29
1954-55	7.40	4.01	2.78	1.83	2.89	5.03	5.78	5.60	9.72	10.73	10.50	9.93	74.38**
1955-56	6.65	4.23	2.49	1.85	2.92	5.57	4.19*	5.99	10.83	12.55	11.08	8.80	80.13
1956-57	5.20	6.18	4.65	1.93	2.55	4.87	5.50	8.16	10.30	11.58	11.72	9.45	75.51**
1957-58	4.87	3.70	3.10	3.45	1.95	2.36	4.92**	8.65	11.97	13.58	12.75	7.68	90.10
1958-59	6.97	4.74	4.88	3.45	2.38	6.15	6.95	8.71**	12.70	13.38	12.50	9.92	90.54**
1959-60	6.80	5.80	3.48**	1.78	3.01**	5.38**	7.08**	7.35	10.82	12.85	9.92	7.88	79.50
1960-61	6.95	3.08	3.02	2.98	3.50	4.30	6.85	6.75	9.00	11.40	11.75	10.18	76.62**
1961-62	6.35	3.70	2.40**	2.97#	2.20*	3.05**	6.92	6.52	8.04	10.68	10.65	6.90	70.92**
1962-63	5.84	4.18	3.72	2.82#	3.12**	4.60**	3.85	6.67	9.04	10.80	11.50	9.40	71.72**
1963-64	4.61	2.92	2.48	2.47	3.44	3.78*	4.62	7.23	7.52	10.07	10.32	7.24	67.41**
1964-65	6.75	2.86**	2.11**	2.73**	3.56	3.69*	3.33**	7.58	INC.	N.R.	11.68	8.14	INC.
1965-66	7.05	3.10**	1.81**	2.42	2.71	4.48**	4.93	6.62	9.08	9.58	9.55	6.72	62.67**
1966-67	5.63	2.80	2.10	2.28**	2.80	3.89**	2.78	6.62	7.35	10.22	11.58	7.90	68.47
1967-68	6.75	3.45**	2.77**	2.18	2.12	3.38	5.19	7.38	7.90	11.02	12.95	8.38	78.56**
1968-69	5.39	3.73	2.24	2.30	1.80	3.99	5.09	5.40	7.90	10.78	10.08	9.62	72.86*
1969-70	6.82	4.12**	2.56	2.34**	3.09	4.33	5.40	7.34	8.15	11.08	9.70	6.55	75.59
1970-71	7.22*	4.20	2.46	2.12	3.24	4.70	5.10	6.80	8.50	9.55	8.85	7.82	62.37
1971-72	8.02	4.66	3.15	2.26	3.43	5.75	6.00	6.80	8.50	9.55	8.85	7.82	82.37
1972-73	4.27	2.99	2.48	1.82	1.85	2.69	4.75	7.08	9.58	9.33	9.95	8.60	INC.
1973-74	5.38	2.94	1.94	*	3.22	3.00	5.80						

* = 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. 334B

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	3.66	3.17	4.92	3.08	5.46	6.88	8.98	11.86	11.74	10.66	83.26
1938-39	6.76	5.94	3.78	3.04	3.24	3.94	6.40	8.06	10.74	13.10	12.80	8.85	86.65
1939-40	7.07	4.88	3.05	1.92	2.48	4.58	4.92	7.98	10.28	12.07	12.05	9.36	80.65
1940-41	7.39	4.16	2.23	1.59	1.42	3.20	3.91	6.96	8.01	11.56	9.96	8.86	69.25
1941-42	5.11	2.78	1.56	2.15	2.88	3.98	3.56	7.08	8.98	12.42	10.88	9.22	70.40
1942-43	6.36	3.56	2.50	2.65	2.08	2.63	4.22	7.50	7.88	10.75	10.62	9.32	70.07
1943-44	6.16	4.04	1.54	1.57**	1.46	4.08	4.45	6.24	6.44	9.95	10.40	7.90	64.23**
1944-45	5.78	2.23	1.93	1.86	2.08	2.27	5.27	6.62	7.02	10.66	9.65	7.88	63.25
1945-46	4.74	2.90	1.66	3.02	2.10	2.86	4.63	5.34	8.68	9.41	10.10	7.81	63.25
1946-47	3.50	1.48	1.22	2.20	1.60	2.48	3.88	5.62	6.29	9.22	8.13	6.89	52.51
1947-48	4.67	3.20	2.06	2.99	3.52	2.66	3.56	6.23	10.10	10.00	9.10	9.10	62.45
1948-49	5.42	4.62	1.58	1.04#	1.36	2.82	4.90	5.50	8.13	10.13	9.94	10.02	65.46#
1949-50	6.08	4.60	2.31	1.31	2.30	3.74	4.46	5.96	8.10	9.90	10.65	7.32	66.73
1950-51	6.29	3.79	2.86	1.91	2.26	4.12	3.94	6.16	7.95	10.78	11.03	9.46	70.55
1951-52	6.09	2.88	1.45	1.95	2.46	2.34	3.77	7.10	7.64	10.13	10.30	8.26	64.37
1952-53	7.04	2.72**	1.76	2.30**	3.76	3.84	4.44	6.38	7.02	10.78	10.68	8.61	69.33**
1953-54	6.23	3.22	3.29	1.60**	3.20**	2.92	5.00	6.36	7.60	9.63	9.32	8.35	66.72**
1954-55	6.22	3.76	2.24	1.22	2.04	4.00	5.82	5.00	6.50	8.76	9.83	10.14	65.53
1955-56	7.25	3.50	1.58	1.66	2.29	4.18	3.67	5.54	7.74	9.25	9.48	9.56	65.70
1956-57	5.90	6.36	3.91	1.44	1.70	3.20	4.60	4.39	7.82	10.78	10.63	8.28	69.01
1957-58	3.90	2.74	2.32	2.94	1.94	2.33	4.21	7.23	8.72	10.46	9.30	9.14	65.23
1958-59	6.82	4.24	3.68	2.66	2.19**	5.12	5.60	5.52	9.00	10.00	9.64	7.16	71.63
1959-60	6.52	4.82	3.08	1.66	2.52	4.01	5.88	6.28	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**	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	9.94	68.50**
1965-66	6.66	3.13*	1.96	2.60	2.29**	3.92**	5.24	6.20	8.02	10.84	9.79	7.85	68.50**
1966-67	5.65	2.86	1.95	2.16	3.15	2.89	2.40	5.81	5.93	9.80	10.11	6.97	59.68
1967-68	6.75**	3.26**	2.21**	2.18	2.23	4.27	5.70	6.44	7.66	9.18	8.86	7.80	66.54**
1968-69	4.92	3.40	2.42	1.85	1.64	3.52	4.65	5.61	5.64	8.78	10.78	8.28	61.48
1969-70	5.38	3.30	2.24	1.48	2.45**	3.25	4.50	6.26	7.29	10.31	9.80	8.40	64.96**
1970-71	5.08	3.04	1.25	1.66	2.35	3.42	4.30	4.84	6.40	9.31	9.85	8.63	60.14
1971-72	5.92	3.49	2.33	2.18	3.00	4.37	6.80	N.R.	N.R.	N.R.	INC.	6.79	INC.
1972-73	4.24	2.45	1.89	1.60	1.82	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.

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

MONTHLY EVAPORATION SUMMARY

STATION NO. 336

SILVER LAKE RESERVOIR

24" DIAMETER UNSCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1953-54	N.I.	N.I.	N.I.	N.I.	INC.	4.34	3.65	5.45	5.94	8.28	7.20	6.30	INC.
1954-55	4.43	3.43	2.51	1.95	3.24	4.14	6.96	5.13	5.00	7.06	7.52	6.82	58.19
1955-56	4.08	3.19	1.46	1.63	2.22	4.02	3.53	5.04	6.16	7.66	6.98	6.73	52.70
1956-57	4.58	4.39	3.30	1.72	1.65	4.21	4.34	5.35	6.88	8.23	7.95	6.03	58.63
1957-58	3.80	3.00	2.16	2.41	3.72	2.77	5.05	6.08	6.94	7.80	7.02	6.51	57.26
1958-59	5.10	3.82	2.38	2.27	2.60	4.06	3.80	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	4.66	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	4.60	4.94	7.42	7.03	5.67	52.98
1963-64	4.20	3.03	2.82	2.80	3.93	3.88	4.88	5.84	5.72	7.82	7.12	5.64	57.68
1964-65	4.40	3.34	1.66	2.12	3.90	3.43	4.21	5.82	5.10	7.10	7.25	4.77	52.70
1965-66	5.86	2.96	2.38	2.54	2.74	4.23	5.65	5.31	6.89	8.40	7.69	5.97	60.62
1966-67	4.89	2.31	2.52	2.48	3.26	3.81	3.74	5.64	5.40	7.46	7.82	5.51	54.84
1967-68	4.85	2.63	2.33	2.54	2.08	5.09	6.12	6.70	6.98	8.19	7.82	6.26	61.59
1968-69	4.11	3.67	2.80	1.90	2.38	4.44	5.67	5.76	4.94	8.07	8.58	6.80	59.12
1969-70	5.50	3.43	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	7.09	67.61

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

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

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1946-47	4.96	2.51	2.17	3.18	2.42	3.10	4.86	5.90	6.24	10.95	8.90	8.42	63.61
1947-48	5.92	4.78	3.15	4.26	2.98	3.28	4.24	6.14	6.27	9.74	9.43	9.36	69.55
1948-49	5.56	5.34	2.48	1.96	1.78	3.06	5.08	5.66	7.81	9.06	9.56	8.97	66.32
1949-50	6.22	5.42	3.48	1.74	2.64	3.94	4.66	5.29	7.14	8.85	9.24	6.29	64.81
1950-51	6.78	4.82	3.90	2.50	2.87	4.48	3.34	6.06	6.62	9.07	9.13	7.62	67.19
1951-52	6.51	3.84	1.96	1.64	2.96	2.60	3.54	6.72	6.94	9.62	9.48	8.74	64.53
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	6.14	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	9.45*	70.22*
1969-70	N.I.	4.96	4.00	2.34	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**

* = 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	6.40	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**

* = 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	4.88	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	4.74	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	2.88	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	8.41	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	3.70	6.35	5.94	7.27	8.36	8.11	6.98	69.11

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

MONTHLY EVAPORATION SUMMARY
STATION NO. 802B
EAGLE RICK RESERVOIR
48" DIAMETER U.S.W.B. TYPE A

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1955-56	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	7.84	7.05	8.18	INC.
1956-57	4.41	5.73	4.44	2.31	2.88	4.55	4.42	5.53	7.52	9.29	9.21	6.62	66.91
1957-58	4.11	3.65	3.40	3.77	3.25	2.95	5.96	6.80	7.84	8.28	7.55	7.19	64.75
1958-59	6.34	4.59	4.00	3.93	2.93	6.81	5.71	6.00	7.24	9.74	8.31	6.16	71.76
1959-60	5.57	5.30	3.75	2.56	3.43	4.54	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	6.52	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	7.40	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	3.68	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	75.87
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	87.79
1971-72	6.93	3.84	3.70	3.46	3.78	4.91	6.48	5.46	6.58	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	3.71	3.84	3.45	6.75	5.23	7.60	8.77	7.26	6.88	65.22

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

MONTHLY EVAPORATION SUMMARY
 STATION NO. 100A
 LA FRRESA - S.C. FOLSON CO. SURSTATION
 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	4.28	42.93
1947-48	3.12	2.36	1.46	1.32	2.08	2.48	3.80	5.00	5.14	6.34**	5.89	4.48	43.70**
1948-49	3.12	2.83	1.26	1.36	1.50	2.22	3.43	3.42	4.31	4.74	5.03	4.16	37.86
1949-50	3.60	2.52	1.65	1.35	1.07	2.02	3.26	4.17	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	2.77	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	99.74
1954-55	3.20	2.18	1.66	1.67	2.18	3.12	4.48*	3.93	4.20	5.47	5.14	4.70	41.94
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	3.36	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	43.41**
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	2.36	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	4.07	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	4.87	37.90**
1965-66	INC.	2.46**	1.80**	2.49*	1.95**	2.99	3.88	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	1.57	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	6.75	4.98	49.8
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	46.00
1973-74	3.73	2.15*	2.00*	1.60*	2.54	2.40	5.18	5.12	6.28	7.32	7.18	5.44	51.34**

* = 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
 RHO MONRO SPREADING GROUNDS
 24" DIAMETER SCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1951-52	3.51*	2.16*	1.48	1.33	2.38	1.69	1.92	4.85	4.50	6.23**	6.08	4.55	40.98**
1952-53	3.10	1.98	1.22	1.16	2.55	2.90	3.38**	6.56	5.31	7.24	6.08	4.34	45.82**
1953-54	4.12	3.55	2.79	1.39**	1.84	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	3.18	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**	1.66*	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	46.68**
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	5.80	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	5.88	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**

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

MONTHLY EVAPORATION SUMMARY
STATION NO. 1058R
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	4.45*	12.68	16.73	18.20	13.81	12.00	108.60**
1968-69	7.53	4.79	3.51	2.34	2.34	4.44	6.69	9.48	11.35	13.66	15.33	10.30	91.76
1969-70	7.40	3.80	2.86	2.74	3.37	4.87	6.75	9.55	11.01	13.48	12.00	9.35	87.18
1970-71	6.22	3.35	1.32	2.03	3.54	5.27	6.81	9.94	12.97	12.98	11.28	8.15	83.76
1971-72	5.97	3.58	2.49	2.02	3.02	4.88	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	3.44	4.90	6.42	4.40	13.20	10.42	8.75	70.35
1973-74	5.07	3.30	2.67	1.68**	2.85	3.53	5.34	7.23	9.58	9.74	11.92*	8.70	71.48**

* = 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	2.14	2.39	3.46	3.22	4.34	5.53	6.44	5.80	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	6.42	57.94
1957-58	3.73	3.08	2.56	2.78*	1.37*	2.30**	3.82**	5.05	6.28	7.88	7.44	7.65	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	5.28	INC.
1959-60	5.12	4.64	3.26	1.84	2.91	3.50	5.45	6.22	7.36	9.45	8.41	7.85	65.44
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	4.74	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	1.93	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	.88	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	.88	3.57	4.76	5.49	5.37	7.50	7.73	6.76	56.75
1970-71	4.38	2.91	1.70	1.89	2.44	3.50	4.13	4.00	4.78	6.74	7.36	6.15	50.16
1971-72	5.10	2.56	2.54	1.94	2.32	3.86	4.44	4.96	5.28	8.09	6.92	4.82	52.83
1972-73	3.54	3.13	2.62	2.04	2.37	2.46	4.24	4.30	6.42	6.77	6.46	4.90	49.25
1973-74	5.02	2.92*	2.12	1.54**	3.12	2.20	4.82	4.06	6.06	7.20	6.46	6.42	51.94**

* = AMOUNT ESTIMATED IS GREATER THAN 10% OF TOTAL
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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 50 of those stations are summarized and published in this volume. An alphabetical list of all past and present streamflow stations is also included.

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

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

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.

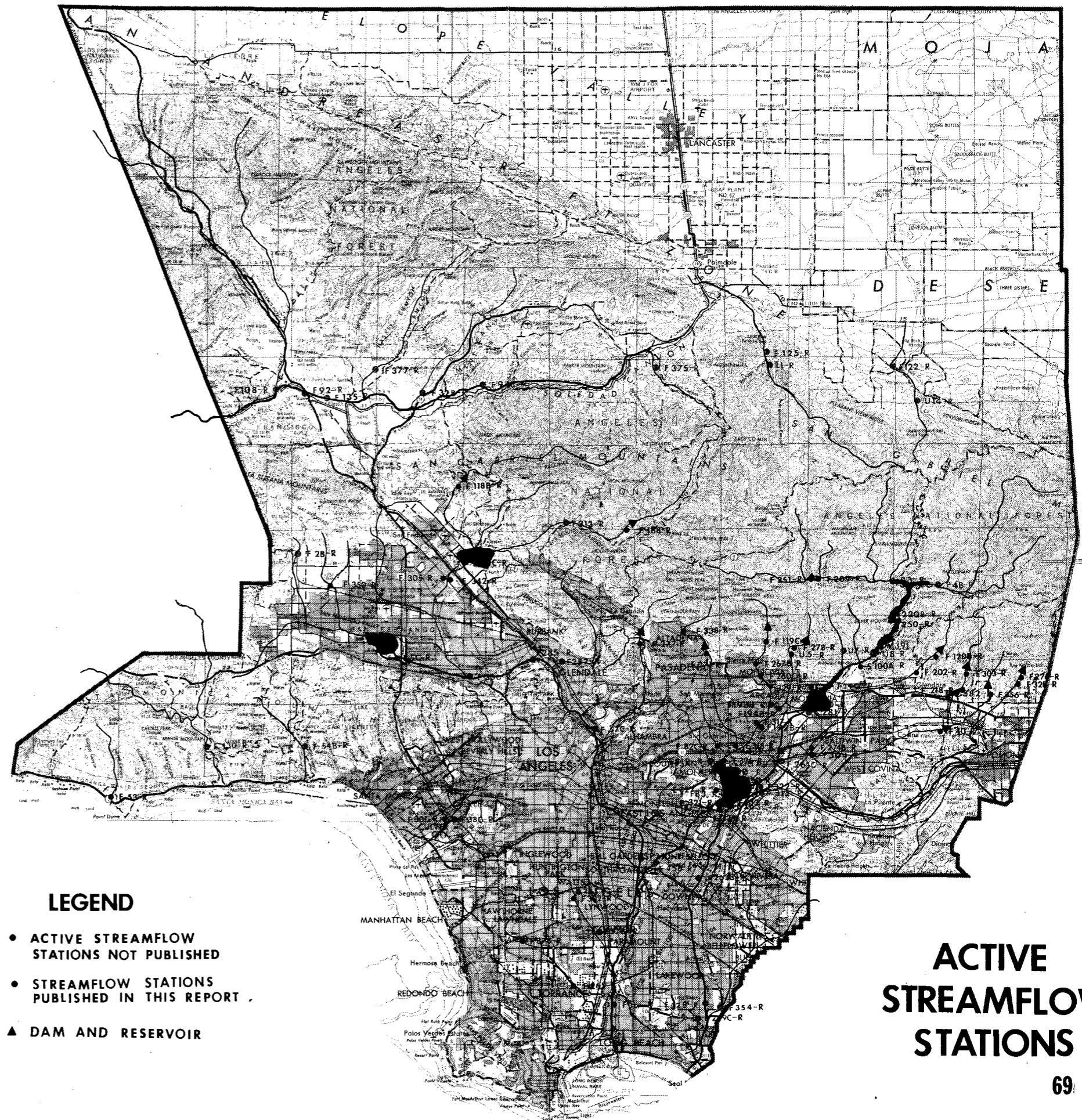
Suffix R - indicates a recorder station.

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.



LEGEND

- ACTIVE STREAMFLOW STATIONS NOT PUBLISHED
- STREAMFLOW STATIONS PUBLISHED IN THIS REPORT
- ▲ DAM AND RESERVOIR

**ACTIVE
STREAMFLOW
STATIONS**

"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.

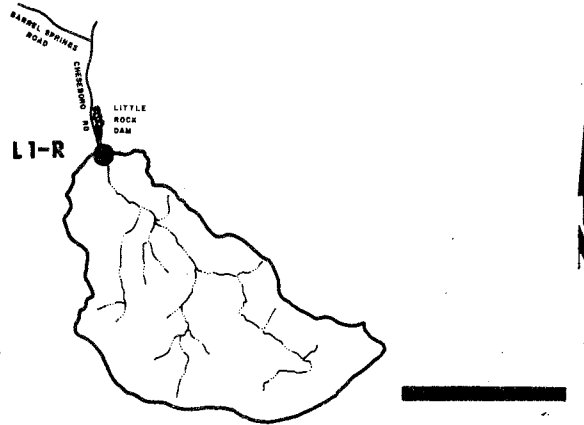


Hydrographer at the Mount Baldy Snow Course
(Photograph by Robert C. Frampton)

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

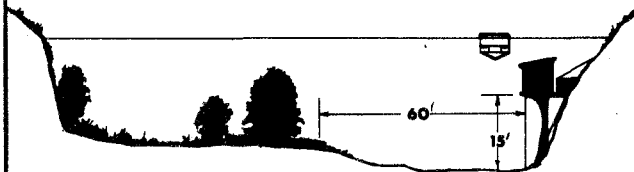


drainage area



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 74

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	2.9	2.0	17	23	40	15	4.6	0.6	+	a 0.1
2	0	0	9.8	2.0	18	57	46	15	4.4	0.5	+	a 0.1
3	0	0	6.1	2.0	18	51	46	15	3.9	0.5	+	a 0.1
4	0	0	5.2	2.0	18	34	41	15	3.6	0.5	0.9	a +
5	0	0	4.2	2.9	19	30	37	15	3.6	0.4	6.1	a +
6	0	0	3.6	5.4	18	29	36	15	3.4	0.4	2.1	a 0
7	0	0	2.9	10	16	30	35	15	3.4	0.3	1.0	a 0
8	0	0	2.5	13	15	39	34	14	2.9	0.3	0.6	a 0
9	0	0	2.3	9.8	14	32	35	14	2.7	0.3	0.4	a 0
10	0	+	2.3	8.7	13	36	31	13	2.5	0.2	0.3	a 0
11	0	+	2.3	8.0	13	38	30	12	2.1	0.2	0.2	a 0
12	0	0.1	2.1	9.1	13	43	27	11	2.0	0.1	0.1	0
13	0	0.3	2.1	12	13	52	27	11	1.8	0.1	0.2	0
14	0	a 0.4	2.1	12	12	56	26	10	1.6	0.1	0.2	0
15	0	a 0.4	2.1	14	12	64	24	9.8	1.4	0.1	0.2	0
16	0	a 0.4	2.1	20	13	64	29	9.5	1.2	0.1	0.2	0
17	0	a 0.4	2.1	52	13	65	24	-9.1	1.0	0.1	0.2	0
18	0	a 12	2.0	59	13	70	24	9.1	0.9	+	0.2	0
19	0	a 7.4	2.0	65	14	64	23	8.7	1.0	+	0.2	0
20	0	a 4.4	2.0	54	13	56	22	8.4	1.4	+	0.2	0
21	0	3.4	2.0	62	12	52	21	8.0	1.4	0.1	a 0.2	0
22	0	2.7	2.0	43	12	49	20	7.4	1.0	+	a 0.2	0
23	0	2.7	2.0	32	12	46	20	7.0	0.9	0.2	a 0.2	0
24	0	2.5	2.0	27	12	42	20	7.0	0.9	0.1	a 0.2	0
25	0	2.3	2.0	23	12	41	20	6.4	0.8	0.1	a 0.2	0
26	0	2.1	2.0	22	12	38	18	5.4	0.8	+	a 0.2	0
27	0	2.0	2.0	20	12	38	17	5.2	0.7	+	a 0.2	0
28	0	2.0	2.0	17	14	38	17	4.9	0.7	+	a 0.1	0
29	0	2.0	2.0	16		43	16	4.9	0.7	+	a 0.1	0
30	0	2.0	2.0	15		48	15	4.9	0.6	+	a 0.1	0
31	0		2.0	16		45		4.9		+	a 0.1	

MEAN	0	1.65	2.73	21.1	14.0	45.5	27.2	10.0	1.93	0.17	0.49	0.01
ACRE- FEET	0	98	168	1300	780	2800	1620	616	115	11	30	0.6

YEAR OR PERIOD MEAN ACRES-
 PERIOD ACRES-
 10.4
 7540

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

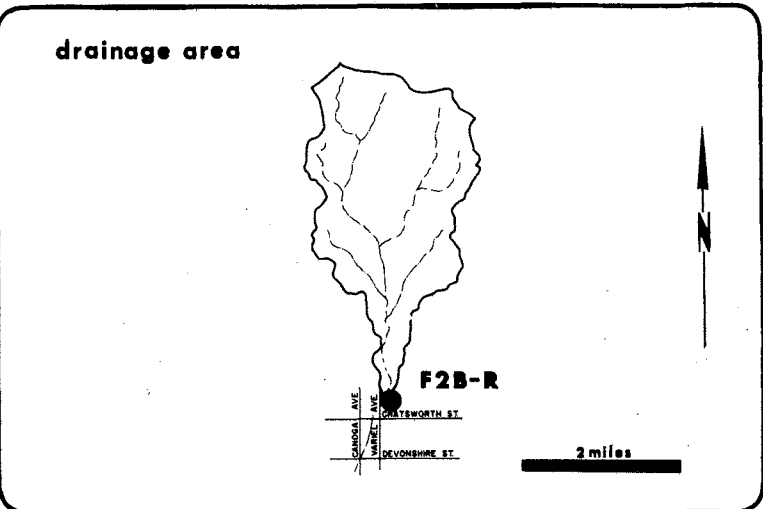
N.D. = NOT DETERMINED

E = ESTIMATE

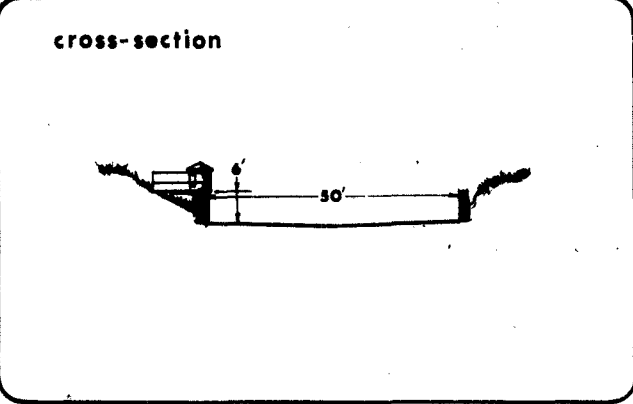
* = RECORD INCOMPLETE

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

**STATION NO. F2B-R
BROWNS CREEK
at Varlei Avenue**



RECORDER - continuous water stage
METHOD OF MEASUREMENTS - wading
DRAINAGE AREA - 13.5 square miles
LOCATION - 100.0 feet upstream from Varlei Avenue,
 1.0 mile northeast of Chataworth
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



STATION OUT OF SERVICE FOR 1973-74

STATION DATA SUMMARY

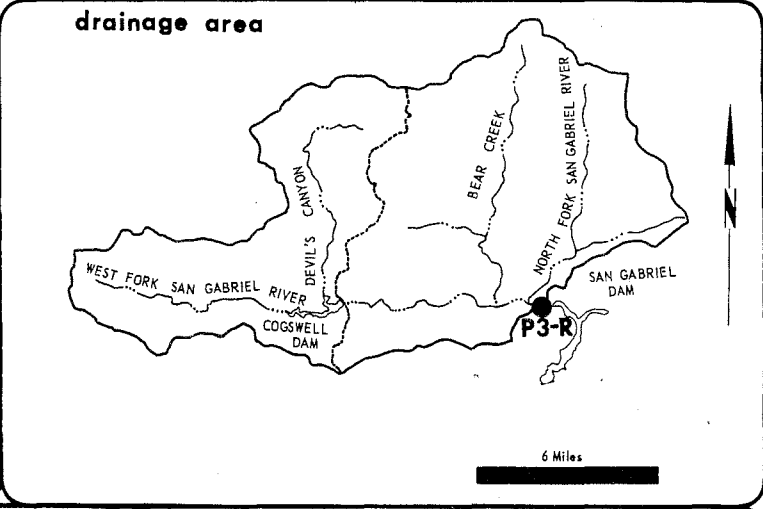
STA. NO. F2B-R
 BROWNS CREEK AT VARIEL AVENUE

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

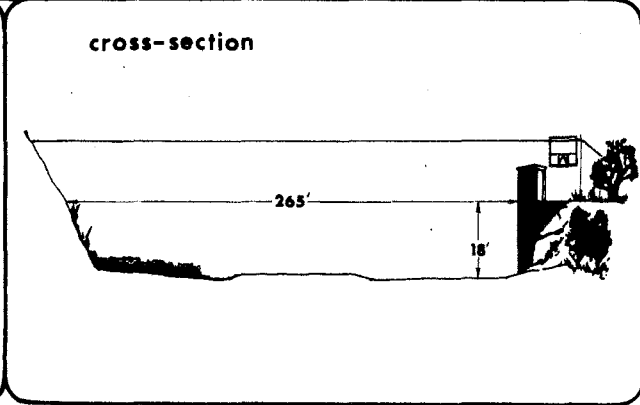
B = RECORD BEGAN AT B LOCATION 10-12-61.

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

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



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



**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, 1974

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	22	13.2	72	41	108	39	62	35	36	29	29	21
2	23	14.0	58	30	84	81	72	35	36	29	30	21
3	21	14.0	47	26	74	86	62	35	36	28	29	21
4	20	14.8	42	76	72	62	58	35	35	26	26	21
5	19.6	17.9	33	62	72	50	56	36	35	25	25	21
6	19.6	32	30	172	70	46	54	36	35	23	23	21
7	19.6	33	30	679	70	75	52	35	35	23	25	21
8	18.0	47	30	391	70	284	50	35	35	23	26	21
9	18.8	47	29	e 149	70	111	50	35	33	25	26	21
10	18.0	47	29	e 150	66	100	49	35	32	25	26	21
11	17.2	47	29	e 191	64	106	49	33	32	25	25	21
12	16.4	46	29	e 196	62	106	47	33	30	23	26	21
13	16.4	46	28	e 216	64	106	47	33	30	23	26	21
14	15.6	46	28	e 187	62	106	46	33	30	23	26	21
15	14.8	46	28	e 192	60	103	44	35	30	23	26	21
16	16.4	46	28	e 201	58	98	42	35	29	23	26	25
17	18.0	59	28	e 233	60	98	42	33	29	22	28	28
18	16.4	191	28	e 225	60	95	42	33	29	22	26	28
19	15.6	41	28	e 254	58	90	42	32	28	22	26	28
20	16.4	23	28	e 245	54	88	42	30	28	23	28	28
21	16.4	18.8	25	e 223	52	84	42	29	28	23	25	28
22	16.4	18.0	25	e 212	49	81	41	30	26	25	26	28
23	16.4	26	26	212	46	77	41	41	28	26	21	26
24	17.2	26	26	196	44	77	41	41	28	26	23	25
25	17.2	22	26	165	42	74	41	38	26	26	23	25
26	18.0	20	26	143	39	72	39	36	26	25	23	26
27	17.2	20	26	143	38	77	38	35	26	25	23	26
28	16.4	18.8	26	140	36	68	38	35	26	25	25	26
29	15.6	18.0	26	131		66	36	35	28	25	25	26
30	14.0	29	25	122		66	35	36	28	25	25	26
31	13.6		23	119		64		36		23	22	

MEAN	17.5	36.2	31.0	185	60.9	88.3	46.7	34.6	30.4	24.5	25.5	23.8
ACRE- FEET	1070	2160	1910	11350	3380	5430	2780	2130	1810	1500	1560	1420

YEAR OR PERIOD MEAN ACRE-FOOT
 _____ 50.4
 _____ 36500

2889 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 FLOW		
					MON	DAY	CFS
1927-28	704	1.6	17.9	15180	2	4	1620
1928-29	422	0	20.7	14960	4	4	775
1929-30	225	1.9	25.5	18470	3	15	301
1930-31	676	1.2	20.2	14630	4	26	1530
1931-32	598	1.4	76.3	55360	2	9	3790
1932-33	1360	2.5	33.1	23990	1	19	3460
1933-34	3340	1.5	34.5	24990	1	1	5320
1934-35	1180	1.9	77.5	56110	4	8	1840
1935-36	312	2.5	31.8	23070	2	12	752
1936-37	1640	2.7	133	96590	2	14	2000
1937-38	*	13	237	171900E	3	2	34000E
1938-39	1140	7.5	46.5	33660	9	25	2530
1939-40	369	6.5	38.2	27720	1	8	1220
1940-41	2870E	7.0	237	171400	2	20	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

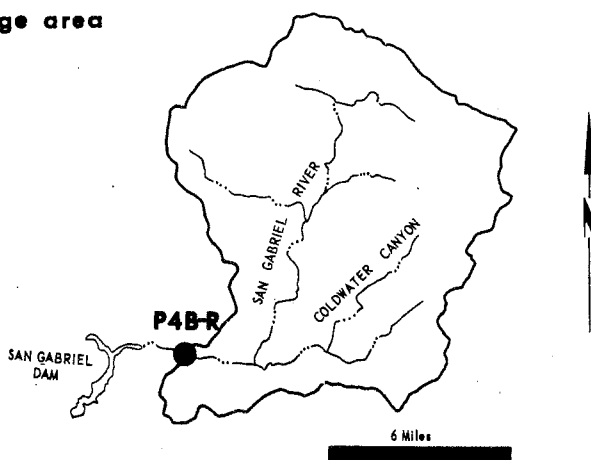
E = ESTIMATE

* = RECORD INCOMPLETE

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

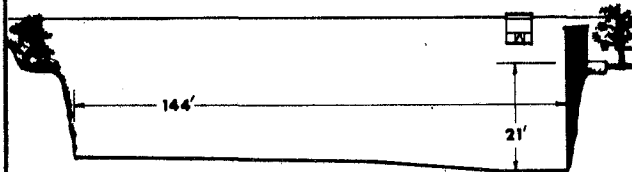


drainage area



RECORDER - continuous water stage
METHOD OF MEASUREMENTS - wading or from cable car
DRAINAGE AREA - 88.2 square miles
LOCATION - 2.5 miles above the West Fork, 12.0 miles north of Azusa
REGULATION - none
CHANNEL - sand, gravels, and boulders, natural section
CONTROL - concrete, stabilizer with a 20-foot-wide low flow notch (constructed in November 1947)
LENGTH OF RECORD -
 at Station P4-R, November 30, 1932, to December 10, 1938
 at Station P4B-R, December 10, 1938, to date
REMARKS - the control height was increased 2.0 feet in September, 1955.

cross-section



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. P4B-R

DAILY DISCHARGE IN SECOND-FOOT OF SAN GABRIEL RIVER-EAST FORK above Forks FOR THE WATER YEAR ENDING SEPTEMBER 30, 1974

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	18.5	17.6	30	19.5	76	54	93	d 53	d 38	d 26	d 16.7	d 14.3
2	19.0	18.0	34	17.6	72	124	101	d 54	d 38	d 26	d 16.5	d 14.3
3	19.0	18.0	29	17.1	69	122	96	d 54	d 38	d 26	d 16.4	d 14.2
4	18.0	18.0	27	32	67	87	90	d 54	d 37	d 25	d 16.3	d 14.2
5	18.0	18.5	26	44	67	81	87	d 55	d 36	d 25	d 16.2	d 14.2
6	18.0	18.0	25	119	65	79	86	d 55	d 36	d 25	d 16.1	d 14.0
7	18.0	17.6	24	224	64	90	85	d 56	d 36	d 24	d 16.0	d 13.8
8	18.0	17.6	23	212	60	157	84	d 56	d 35	d 24	d 16.0	d 13.6
9	18.0	17.6	23	114	59	120	86	d 56	d 34	d 24	d 16.1	d 13.4
10	18.0	17.6	24	81	57	106	83	d 56	d 34	d 23	d 16.1	d 13.2
11	18.5	17.1	23	64	55	100	d 80	d 57	d 34	d 23	d 16.2	d 13.0
12	18.5	17.1	23	59	55	99	d 79	d 57	d 33	d 23	d 16.2	d 12.9
13	18.5	17.6	23	62	55	101	d 78	d 58	d 32	d 22	d 16.3	d 12.8
14	18.0	17.6	23	67	54	104	d 77	d 56	d 32	d 22	d 16.3	d 12.7
15	18.0	17.6	22	69	54	108	d 77	d 54	d 31	d 22	d 16.4	d 12.6
16	18.5	17.6	22	76	54	110	d 76	d 52	d 30	d 21	d 16.4	d 12.5
17	18.5	21	22	97	54	112	d 75	d 50	d 30	d 21	d 16.1	d 12.4
18	18.0	59	21	101	52	113	d 74	d 48	d 29	d 21	d 15.8	d 12.3
19	16.6	28	20	108	52	112	d 74	d 46	d 28	d 21	d 15.6	d 12.2
20	16.6	25	20	112	52	110	d 73	d 44	d 27	d 21	d 15.3	d 12.1
21	17.1	23	19.5	143	52	108	d 72	d 42	d 27	d 21	d 14.9	d 11.9
22	17.6	23	19.5	133	50	106	d 71	d 40	d 27	d 21	d 14.8	d 11.7
23	17.6	23	19.5	125	49	105	d 71	d 42	d 27	d 20	d 14.8	d 11.5
24	17.6	21	19.0	118	49	101	d 70	d 44	d 27	d 20	d 14.7	d 11.3
25	17.6	20	19.0	110	49	101	d 67	d 43	d 27	d 20	d 14.7	d 11.1
26	17.6	20	19.0	105	48	99	d 64	d 42	d 27	d 19.0	d 14.6	d 10.9
27	17.1	20	18.5	99	47	99	d 63	d 41	d 27	d 18.6	d 14.6	d 10.7
28	17.1	20	19.0	93	47	95	d 62	d 40	d 26	d 18.2	d 14.5	d 10.6
29	17.1	19.0	18.5	87	--	96	d 59	d 40	d 26	d 17.8	d 14.5	d 10.5
30	17.6	18.5	18.0	83		96	d 56	d 40	d 26	d 17.3	d 14.4	d 10.4
31	17.6		18.5	78		93		d 39		d 16.8	d 14.4	

MEAN	17.9	20.8	22.3	92.6	56.6	103	77.0	49.2	31.2	21.8	15.6	12.5
ACRE-FOOT	1100	1240	1370	5690	3140	6320	4580	3020	1850	1340	960	744

YEAR OR PERIOD MEAN ACRE-FOOT 43.3 31,350

STATION DATA SUMMARY

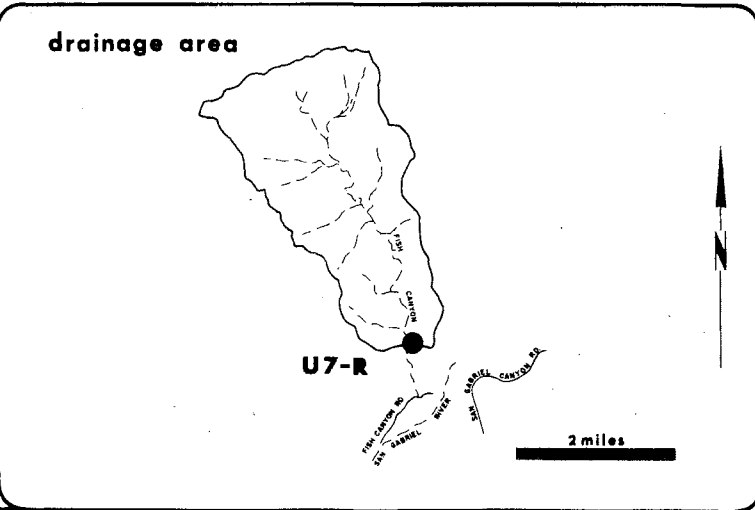
STA. NO. P4B-R
SAN GABRIEL RIVER - EAST FORK ABOVE FORKS

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW		
					MON	DAY	CFS
1932-33	*	*	*	18990*	1	19	835
1933-34	6210	4.5	47.3	34320	1	1	8500
1934-35	638	4.5	85.4	61840	4	8	1080
1935-36	428	8.0	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

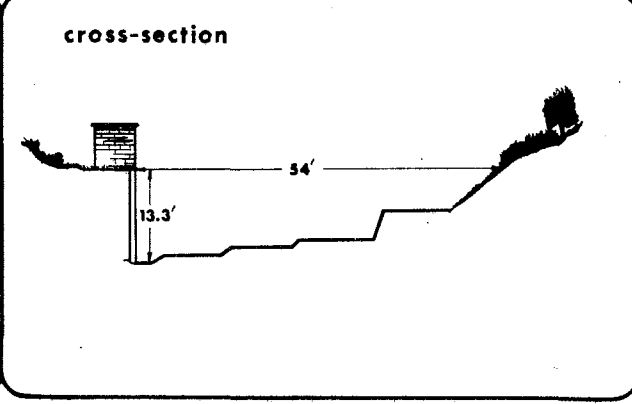
E = ESTIMATE

* = RECORD INCOMPLETE

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



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



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, 1974

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.2	0.6	1.4	3.0	5.8	4.6	5.4	4.0	2.6	1.6	1.1	0.6
2	1.5	1.0	1.5	2.6	5.4	8.9	8.9	3.4	2.5	1.6	1.0	0.6
3	1.8	1.2	1.6	3.1	5.4	11	6.2	3.4	2.4	1.6	1.0	0.6
4	1.4	1.2	1.7	12	5.6	6.2	5.8	3.5	2.4	1.5	1.0	0.6
5	1.2	1.1	1.7	13	5.4	5.1	5.6	3.5	2.3	1.5	0.9	0.6
6	1.7	1.0	1.3	49	4.9	4.9	4.9	3.7	2.3	1.5	0.8	0.6
7	2.0	0.9	1.1	234	4.6	8.3	4.6	3.4	2.3	1.5	0.9	0.6
8	2.5	1.0	1.3	94	4.6	44	4.6	3.4	2.3	1.5	1.0	0.7
9	2.4	1.1	1.1	29	4.3	17	4.8	3.5	2.5	1.5	1.1	0.7
10	2.0	1.0	1.1	18	4.1	16	4.4	3.5	2.6	1.6	1.1	0.7
11	1.7	0.8	1.1	15	4.0	15	4.4	3.4	2.7	1.7	1.1	0.7
12	1.6	0.8	1.1	14	4.1	13	4.4	3.4	2.7	1.6	1.0	0.8
13	1.4	1.0	1.2	14	4.3	11	4.6	3.4	2.6	1.3	1.0	0.9
14	1.1	1.1	1.4	14	4.3	11	4.3	3.4	2.4	1.3	1.0	0.8
15	1.1	1.1	1.3	13	4.4	9.6	3.8	3.5	2.1	1.3	1.0	0.8
16	1.1	1.2	1.3	13	4.4	9.2	3.8	3.5	2.1	1.2	0.9	0.8
17	1.1	1.8	1.2	14	4.4	8.9	3.8	3.3	2.2	1.2	0.8	0.6
18	1.0	1.7	1.3	12	4.4	8.7	4.1	3.1	2.3	1.1	0.7	0.7
19	1.0	2.2	1.2	9.6	4.3	8.7	4.1	3.1	2.3	1.1	0.8	0.8
20	1.1	1.7	1.2	11	4.1	8.3	4.1	3.0	2.2	1.2	0.8	0.8
21	1.2	1.6	1.2	11	4.4	8.1	3.4	2.7	2.1	1.1	0.9	0.6
22	1.1	1.5	1.4	8.3	4.4	7.8	3.4	2.7	1.8	1.1	0.9	0.5
23	1.4	2.5	1.2	7.6	4.4	7.6	3.3	2.7	1.6	1.2	0.9	0.5
24	1.4	1.8	1.1	7.0	4.6	7.4	3.4	2.7	1.5	1.4	0.9	0.6
25	1.0	1.6	1.1	6.8	4.1	6.8	3.3	2.5	1.5	1.4	0.9	0.8
26	0.9	1.6	1.1	6.8	4.6	6.6	3.1	2.4	1.5	1.4	0.8	1.1
27	0.7	1.5	1.2	6.8	4.6	7.6	3.0	2.4	1.5	1.3	0.8	1.2
28	0.6	1.5	1.2	6.6	4.4	6.4	3.0	2.6	1.4	1.3	0.8	1.4
29	0.5	1.4	1.2	6.4	---	6.0	3.0	2.7	1.5	1.6	0.8	1.1
30	0.4	1.4	1.2	6.4	---	6.0	2.7	3.0	1.5	1.6	0.8	0.9
31	0.5	---	1.2	6.2	---	5.8	---	2.9	---	1.6	0.6	---

MEAN	1.28	1.84	1.26	21.5	4.58	9.85	4.27	3.15	2.12	1.40	0.91	0.76
ACRE-FOOT	78	109	78	1320	254	606	254	194	126	86	56	45
YEAR OR PERIOD	MEAN 4.44											
	ACRE-FOOT 3,210											

2069 FCO 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		CFS
					MON	DAY	
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

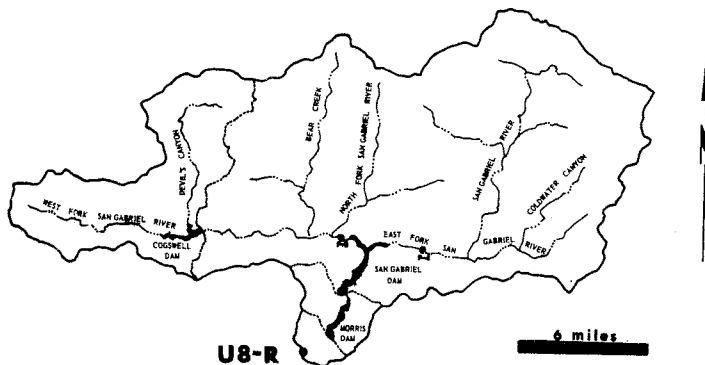
N.D. = NOT DETERMINED

E = ESTIMATE

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

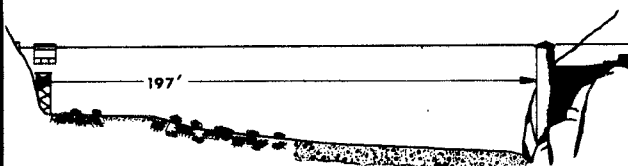


drainage area



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-FOOT OF SAN GABRIEL RIVER below Morris Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 74

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	82	0	0	0	152	53	0	0
2	0	0	0	0	1.1	0	0	0	152	142	0	0
3	0	0	0	0	+	0	0	0	152	148	0	0
4	0	0	0	0	0	0	0	0	152	150	0	0
5	0	0	0	0	1.2	0	0	0	152	150	109	0
6	0	0	0	0.6	0.4	0	0	0	152	150	240	0
7	0	136	0	9.5	0	0	0	0	154	150	240	0
8	0	200	0	7.7	0	1.9	159	0	154	148	240	0
9	0	196	0	154	0	0.1	264	0	154	148	240	0
10	0	196	0	237	0	0	264	0	154	148	240	0
11	0	193	0	237	0	0	264	0	154	148	240	0
12	0	193	0	237	0	0	262	0	154	146	200	0
13	0	196	0	237	0	0	259	0	154	146	145	0
14	0	196	0	239	0	0	256	0	152	146	145	0
15	0	196	0	239	0	0	253	0	152	146	145	0
16	0	196	0	242	0	0	251	0	152	68	145	0
17	0	196	0	282	0	0	248	47	152	0.2	145	0
18	0	196	0	310	0	0	248	95	152	0	145	0
19	0	193	0	285	0	0	245	96	67	0	145	0
20	0	241	0	291	0	0	245	97	0.1	0	70	0
21	0	204	0	291	0	0	243	97	0	0	0.2	0
22	0	2.0	0	295	0	0	108	97	0	0	0	0
23	0	0.5	0	291	0	0	0.2	97	0	11	0	0
24	0	0	0	288	0	0	0	97	0	0.3	0	0
25	0	0	0	285	0	0	0	99	0	0	0	0
26	0	0	0	281	0	0	0	99	0	0	0	0
27	0	98	0	279	0	0	0	99	0	0	0	0
28	0	87	0	275	0	0	0	99	0	0	0	0
29	0	1.0	0	270	0	0	0	99	0	0	0	0
30	0	+	0	267	0	0	0	128	0	0	0	0
31	0		0	237	0	0	0	154	0	0	0	0

MEAN	0	104	0	196	3.03	0.06	119	48.4	93.9	70.9	91.4	0
ACRE-FOOT	0	6180	0	12030	168	4.0	7080	2980	5590	4360	5620	0

YEAR OR PERIOD _____ MEAN _____
 44010 60.8
 44010

Additional information:

Releases of imported water are made occasionally from the Metropolitan Water District outlet, USG 3, below Morris Dam. These releases flow past Gaging Station No. UB-R and are included in the record of that station. During the 1973-74 season, releases were 3,157 acre-feet in May, 5,680 acre-feet in June, 4,470 acre-feet in July, and 4,440 acre-feet in August.

Average discharge of local water for a 79-year period is 151 second-feet (adjusted for regulations and diversions).

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

Month	1973-74 A.F.
October	2,230
November	3,170
December	2,950
January	20,240
February	6,740
March	16,250
April	9,140
May	5,860
June	3,380
July	2,360
August	1,780
September	1,480
TOTAL	75,580

STATION DATA SUMMARY

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

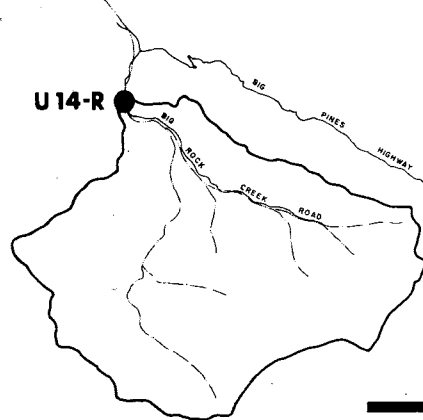
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW		SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW		
					MIN	DAY						MIN	DAY	
1895-96	134	0	N.D.	N.D.	N.D.	N.D.	1934-35	460	0	102	74080	2	9	507
1896-97	1760	0	95.6	69200	N.D.	N.D.	1935-36	274	0	31.6	22980	4	10	495
1897-98	1600	0	9.6	6920	N.D.	N.D.	1936-37	1770	0	195	161100	2	20	1950
1898-99	16	0	0.1	74	N.D.	N.D.	1937-38	21660	0.1	415	300200	3	2	65700
1899-00	49	0	0.4	272	N.D.	N.D.	1938-39	316	6.5	53.5	36680	N.D.	N.D.	N.D.
1900-01	5170	0	94.1	68100	2	5	1939-40	506	0	50.5	36640	6	24	506
1901-02	318	0	4.3	3100	N.D.	N.D.	1940-41	3870	0	317	229300	3	4	4660
1902-03	2940	0	104	74900	N.D.	N.D.	1941-42	370	2.5	13.1	9480	4	20	422
1903-04	1070	0	9.3	6720	N.D.	N.D.	1942-43	10370	2.0	334	242000	1	23	12100
1904-05	2940	0	172	124000	N.D.	N.D.	1943-44	2710	3.6	184	133700	2	22	5170
1905-06	7950	0	262	190000	N.D.	N.D.	1944-45	980	6.1	62.8	45490	2	6	988
1906-07	6730	0	406	243000	N.D.	N.D.	1945-46	937	0.3	75.9	54930	12	23	980
1907-08	1160	0	46.4	33700	N.D.	N.D.	1946-47	2930	0	74.4	54220	12	31	2980
1908-09	7030	0	197	143000	N.D.	N.D.	1947-48	1170	0	18.1	13170	6	2	1320
1909-10	12400	0	137	99100	1	1	1948-49	61	0	5.7	4140	10	27	70
1910-11	9100	0	321	231000	3	10	1949-50	7.9	0	0.7	51	7	31	8.2
1911-12	2950	0	55.5	40300	N.D.	N.D.	1950-51	67	0	8.4	6220	4	27	148
1912-13	1880	0	25.6	18600	N.D.	N.D.	1951-52	3530	0	91.1	66120	N.D.	N.D.	N.D.
1913-14	11800	0	359	260000	2	20	1952-53	1190	0	69.4	50240	N.D.	N.D.	N.D.
1914-15	1110	0	108	77900	1	29	1953-54	460	0	34.6	25030	4	16	9420
1915-16	22300	0	315	228000	1	18	1954-55	9.9	0	0.1	86	9	26	10
1916-17	3900	0	49.3	35700	N.D.	N.D.	1955-56	43	0	0.2	176	9	30	45
1917-18	4940	0	123	88600	3	17	1956-57	650	0	12.4	3010	4	14	656
1918-19	76	0	3.2	2290	3	17	1957-58	2470	0	241	174100	4	5	2780
1919-20	2400	0	96.6	68700	2	11	1958-59	348	0	11.3	8200	2	24	364
1920-21	2050	0	40.1	29000	3	2	1959-60	0	0	0	0	0	0	0
1921-22	16000	0	505	365000	3	14	1960-61	7.5	0	1.7	1250	5	6	9.1
1922-23	2250	0	44.0	31800	12	19	1961-62	1520	0	102	73590	2	12	1650
1923-24	253	0	2.5	2540	12	13	1962-63	27	0	1.0	712	9	4	45
1924-25	588	0	4.2	8030	3	26	1963-64	22	0	0.2	160	8	26	50
1925-26	5530	0	113	81700	3	4	1964-65	276	0	10.7	981	6	12	291
1926-27	11400	0	123	88900	4	7	1965-66	7260	0	225	162900	11	23	8660
1927-28	672	0	4.1	2940	2	16	1966-67	3750	0	232	167900	12	6	5680
1928-29	411	0	10.0	7210	2	4	1967-68	236	0	31.7	23030	11	25	326
1929-30	396	0	21.5	15600	3	10	1968-69	19300	0	750	543000	2	25	29850
1930-31	601	0	9.5	6900	4	15	1969-70	1060	0	52.4	37970	2	28	1102
1931-32	5830	0	120	87200	4	26	1970-71	434	0	31.4	22760	1	4	439
1932-33	1630	0	21.9	15900	2	9	1971-72	299	0	15.3	11090	12	8	299
1933-34	2380	0	30.4	22080	1	19	1972-73	849	0	131	94790	3	19	918
					1	1	1973-74	310	0	60.8	44010	11	7	364

N.D. = NOT DETERMINED

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

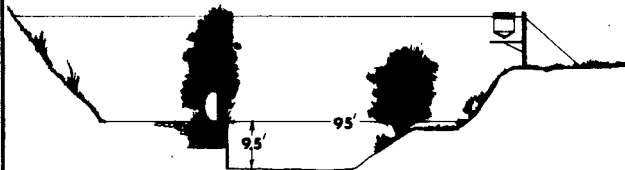


drainage area



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
FLGGD CONTROL DISTRICT
 HYDRAULIC DIVISION

STATION NO. U14-R

DAILY DISCHARGE IN SECOND-FOOT OF BIG ROCK CREEK above Mouth of Canyon FOR THE WATER YEAR ENDING SEPTEMBER 30, 1974

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	6.2	5.8	7.8	5.8	10	10	23	16	11	8.8	7.4	5.2
2	6.2	5.8	7.4	5.8	12	30	23	16	10	8.7	7.4	5.2
3	6.4	6.2	7.4	5.8	11	29	23	16	10	8.7	7.8	5.2
4	6.4	6.2	7.4	6.2	12	26	22	17	10	8.6	7.8	5.2
5	6.4	6.2	7.0	5.8	12	25	22	16	10	8.5	8.6	5.2
6	6.2	6.2	6.6	6.6	12	24	21	16	10	8.5	8.2	4.9
7	6.0	6.2	6.6	7.0	12	25	21	16	10	8.2	8.2	4.9
8	5.8	6.2	6.6	6.6	12	26	20	16	10	8.2	8.2	4.9
9	5.8	5.8	7.0	6.6	12	25	20	16	10	8.2	7.8	4.6
10	5.6	5.8	7.0	7.0	10	25	20	16	10	8.2	7.8	4.6
11	5.6	6.2	7.0	6.6	10	25	19	15	9.5	8.2	7.8	4.6
12	5.4	6.6	7.0	7.4	10	25	19	15	9.5	8.2	7.8	4.6
13	5.4	7.0	7.0	7.4	10	25	18	15	9.5	8.2	7.8	4.6
14	5.2	7.0	6.6	7.4	10	26	17	15	9.5	8.2	7.8	4.6
15	5.2	7.0	6.2	7.6	10	27	16	15	9.4	8.2	7.4	4.6
16	5.2	7.0	6.2	8.2	10	27	17	14	9.4	7.8	7.0	4.3
17	5.2	7.0	5.8	11	9.5	28	16	14	9.0	7.8	6.2	4.3
18	5.2	7.8	5.7	10	9.5	29	17	14	9.0	8.2	6.2	4.3
19	5.4	7.0	5.6	12	9.0	29	16	14	9.0	8.2	6.2	4.3
20	5.4	7.0	5.5	13	9.0	28	17	14	9.0	8.6	6.2	4.3
21	5.5	7.0	5.5	14	9.0	27	16	14	8.6	8.2	6.2	4.5
22	5.5	7.0	5.5	12	9.0	26	16	13	8.6	8.4	6.2	4.5
23	5.5	7.4	5.5	11	9.0	26	16	13	8.6	8.6	6.2	4.2
24	5.8	7.8	5.2	11	9.0	25	16	13	8.8	7.8	5.8	4.2
25	5.8	7.4	4.9	10	9.5	25	17	13	8.8	7.6	5.8	4.3
26	5.8	7.0	4.9	10	9.0	24	16	12	8.8	7.5	5.8	4.3
27	5.5	7.0	4.9	10	9.0	23	16	12	8.8	7.5	5.5	4.2
28	5.8	6.6	4.9	10	9.0	23	16	12	8.7	7.4	5.5	4.0
29	5.8	6.6	4.9	10	---	24	16	12	8.7	7.6	5.5	4.0
30	5.8	7.0	4.9	10	---	24	16	11	8.8	7.4	5.5	4.0
31	5.5	---	4.9	10	---	24	---	11	---	7.4	5.5	---

MEAN	5.69	6.69	6.11	8.77	10.2	25.3	18.3	14.3	9.37	8.12	6.87	4.55
ACRE-FOOT	350	398	376	539	564	1560	1090	877	557	499	423	271

YEAR OR PERIOD MEAN ACRES-FOOT 10.4 7,500

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	1300**
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

** = STATION DESTROYED BY FLOOD OF 3-2-38.

PEAK FLOW BY SLOPE-AREA METHOD

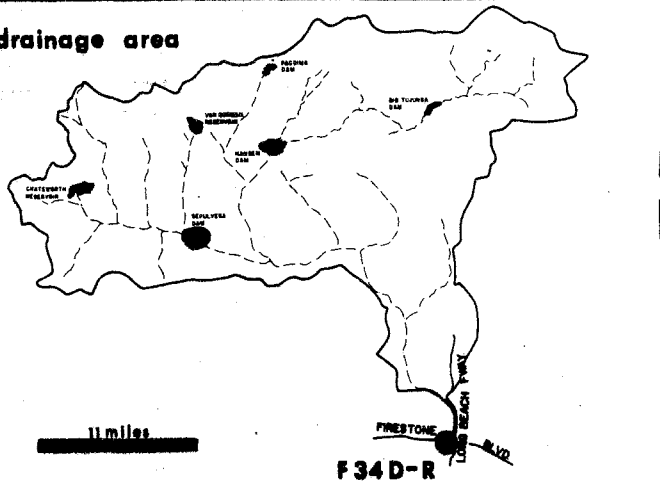
N.D. = NOT DETERMINED

* = RECORD INCOMPLETE

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

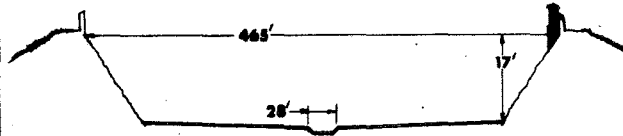


drainage area



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



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F34D-R

DAILY DISCHARGE IN SECOND-FOOT OF LOS ANGELES RIVER below Firestone Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 74

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	16.2	14.6	1120	142	23	142	34	28	21	23	20	10.6
2	17.0	17.0	95	36	23	1980	282	28	19.0	22	21	11.4
3	17.0	17.0	30	15.4	20	835	46	28	20	22	23	18.0
4	22	16.2	24	5340	23	76	34	28	22	25	20	20
5	18.0	13.8	20	920	28	31	27	34	21	26	22	15.4
6	16.2	19.0	19.0	5460	25	22	27	80	23	25	27	15.4
7	17.0	19.0	17.0	15690	20	860	25	25	23	21	28	16.2
8	20	22	16.2	2860	23	5980	27	25	24	32	24	15.4
9	42	23	14.6	339	26	169	26	23	21	35	23	15.4
10	34	22	14.6	152	20	70	22	21	21	37	19.0	22
11	24	17.0	16.2	141	16.2	50	23	22	24	27	15.4	22
12	21	17.0	14.6	116	23	60	26	21	23	26	15.4	20
13	21	18.0	17.0	104	21	48	34	21	24	24	20	17.0
14	15.4	17.0	19.0	52	23	44	37	23	27	22	18.6	17.0
15	14.6	18.0	31	24	25	40	28	24	26	30	44	13.8
16	22	27	21	72	24	39	30	24	18.0	32	20	16.2
17	22	274	20	566	25	37	26	26	19.0	30	19.0	18.0
18	22	1620	20	122	19.0	37	28	23	20	30	11.4	17.0
19	20	43	20	40	25	46	28	19.0	22	22	12.2	16.2
20	17.0	25	20	299	24	36	26	23	23	21	20	15.4
21	13.8	21	40	156	22	35	25	23	25	18.0	15.4	13.0
22	13.0	1270	516	40	21	37	26	24	31	18.0	16.2	11.4
23	65	810	28	30	21	37	27	24	34	40	16.2	13.0
24	42	25	16.2	30	17.0	37	46	25	32	35	15.4	15.4
25	25	21	15.4	27	20	40	76	24	17.0	34	14.6	14.6
26	18.0	16.2	14.6	25	20	54	35	24	19.0	24	16.2	21
27	17.0	16.2	18.0	21	18.0	639	26	21	21	20	17.0	19.0
28	13.0	17.0	18.0	22	74	46	22	20	31	14.6	16.2	13.8
29	16.2	16.2	17.0	23	---	31	25	22	60	17.0	15.4	11.4
30	18.0	17.0	17.0	22	---	26	28	23	48	22	16.2	13.8
31	16.2	---	17.0	22	---	92	---	20	---	21	14.6	---

MEAN	21.8	150	73.8	1060	23.9	377	39.1	25.7	25.3	25.7	19.2	16.0
ACRE- FEET	1340	8900	4540	65270	1330	23160	2320	1580	1510	1580	1180	950

YEAR OR PERIOD MEAN 157
ACRE-FOOT 113,600

STATION DATA SUMMARY

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

SEASON	MAX	MIN	MEAN	TOTAL	PEAK FLOW		
	DAILY CFS	DAILY CFS	DAILY CFS	RUNOFF A.F.	MON	DAY	CFS
1927-28	*	0	*	6990*	2	4	1120*
1928-29	775	0	13.6	9830	11	14	2010
1929-30	813	0	13.4	9730	3	15	2210
1930-31	1560	1.4	18.6	13450	2	4	4360
1931-32	2650	0.4	35.3	25620	2	8	4780
1932-33	2900	0	23.5	17020	1	19	7070
1933-34	8550	0	52.9	38330	1	1	29400
1934-35	1430	0	40.3	29170	1	5	10400
1935-36	1040	0	20.5	14920	2	12	5730
1936-37	3460	0	67.2	48630	12	30	10000E
1937-38B	40000	0	278	201300	3	2	79000
1938-39	5090E	0	108	78440	9	25	10800
1939-40C	2410	14E	80.5	58420	1	8	7610
1940-41	7580	10	345	249500	2	20	14800
1941-42	2030	27	97.8	70820	12	10	8210
1942-43	10700	18	268	193700	1	23	27500
1943-44	13000	38	249	180900	2	22	24800
1944-45	1980	16	91.0	65900	2	2	6970
1945-46	4000	8.4	95.8	69310	12	22	12500
1946-47	2760	14	99.7	72180	12	25	14900
1947-48	1280	10	52.8	38350	3	24	8980
1948-49	1130	11	49.1	35550	12	17	5300
1949-50	1770	8.5	43.9	31760	2	6	8480
1950-51	898	7.5	35.3	25560	1	11	5840
1951-52	12000	1.8	249	180500	1	16	32900
1952-53	2000	1.4	57.1	41380	11	15	14100
1953-54	4190	1.2	70.9	51330	2	13	19500
1954-55	2470	6.2	54.3	39340	1	18	13700
1955-56	12000	8.2	91.5	66440	1	26	28900
1956-57D	3960	3.8	53.2	38500	2	23	24600
1957-58	6290	4.3	191	138400	2	19	34100
1958-59	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	37000
1966-67	10000	6.0	159	114800	11	7	37100
1967-68	9410	13	116	84240	3	8	37400
1968-69	31800	12	541	391800	1	25	58000
1969-70	4250	13	90.4	65440	2	28	20900
1970-71	16700	11	162	117300	11	29	49800
1971-72	6980	14	86.6	62890	12	24	27400
1972-73	14470	13.0	221	160300	1	18	49020
1973-74	15690	10.6	157	113600	1	7	32300

B = RECORD BEGAN AT B LOCATION 04-11-38.

C = RECORD BEGAN AT C LOCATION 11-04-39.

D = RECORD BEGAN AT D LOCATION 12-11-56.

N.D. = NOT DETERMINED

E = ESTIMATE

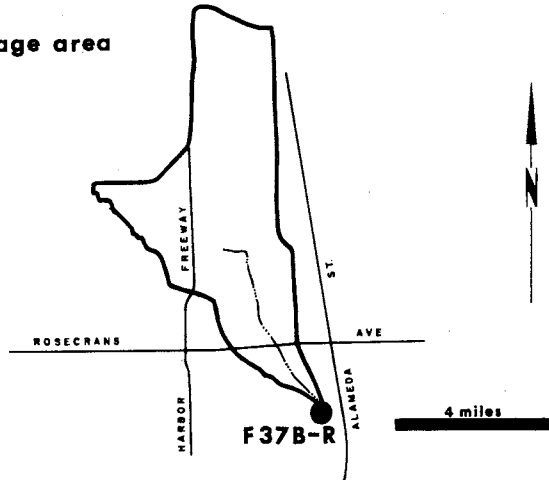
* = RECORD INCOMPLETE

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

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

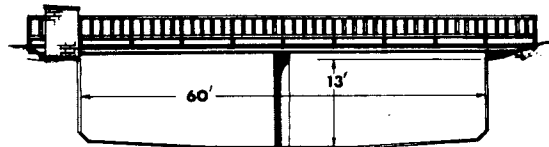


drainage area



RECORDER - continuous water stage
 METHOD OF MEASUREMENTS - wading or from bridge
 DRAINAGE AREA - 22.6 square miles
 LOCATION - 120.0 feet above Greenleaf Boulevard, 1.5 miles southwest of Compton
 REGULATION - none
 CHANNEL - concrete, rectangular in section, 60 feet wide by 13 feet deep
 CONTROL - channel forms control
 LENGTH OF RECORD -
 at Station F37-R, January 22, 1928, to June 9, 1938,
 at Station F37B-R, October 3, 1938, to date

cross-section



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F37B-R

DAILY DISCHARGE IN SECOND-FOOT OF COMPTON CREEK at Greenleaf FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 74

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.9	0.8	86	15.4	0.9	3.6	1.2	0.9	0.9	b 1.0	b 1.6	b 1.6
2	0.9	0.9	1.6	0.8	0.9	269	28	0.9	0.8	b 0.8	b 1.6	b 1.7
3	1.2	0.6	0.4	0.8	0.8	20	1.6	1.2	0.8	b 0.8	b 1.6	b 1.8
4	0.9	0.6	0.4	464	0.8	0.6	0.8	1.6	0.8	b 0.8	b 1.6	b 1.9
5	1.2	0.4	0.4	77	0.6	0.4	0.6	0.9	b 1.0	b 0.8	b 1.6	1.9
6	1.2	0.3	0.4	292	0.6	0.4	0.4	1.6	b 1.0	b 0.8	b 1.6	1.9
7	0.9	0.4	0.8	810	0.4	202	0.4	0.9	b 1.0	b 0.8	b 1.6	1.9
8	1.6	0.4	0.9	53	0.3	381	0.4	0.8	b 1.0	b 0.8	b 1.6	1.9
9	0.9	0.4	1.2	14.7	0.4	3.3	0.4	0.8	b 1.0	b 0.8	b 1.6	1.9
10	0.9	0.6	0.8	1.9	0.3	1.2	0.4	0.8	b 1.0	b 0.8	b 1.6	2.9
11	0.9	0.6	0.6	1.9	0.3	0.9	0.4	0.9	b 1.0	b 0.8	b 1.6	2.9
12	0.9	0.8	0.6	1.2	0.6	0.9	0.4	0.9	b 1.0	b 1.0	b 1.6	2.9
13	1.2	0.8	0.6	1.2	0.4	0.9	0.6	0.9	b 1.0	b 1.0	b 1.6	2.9
14	1.2	0.4	0.6	1.2	0.4	0.9	0.6	0.9	b 1.2	b 1.2	b 1.6	1.9
15	0.8	0.8	0.6	1.2	0.6	0.9	0.6	0.9	b 1.2	b 1.2	b 1.6	1.6
16	1.2	14.8	0.6	6.0	0.8	0.9	0.6	0.8	b 1.2	b 1.0	b 1.6	1.9
17	1.2	55	0.6	47	0.8	1.2	0.6	1.2	b 1.0	b 1.0	b 1.6	2.3
18	1.6	61	0.6	2.6	0.8	1.2	0.6	1.6	b 1.0	b 1.2	b 1.6	2.6
19	1.2	0.8	0.6	1.6	0.9	1.2	0.8	0.9	b 1.0	b 1.2	b 1.6	2.6
20	1.2	0.4	0.6	17.3	0.9	1.2	0.8	0.8	b 1.0	b 1.2	b 1.6	2.9
21	0.9	1.6	0.8	3.3	1.2	1.2	0.8	1.2	b 1.2	b 1.0	b 1.6	2.6
22	0.9	202	29	1.6	1.6	1.2	0.9	1.6	b 1.2	b 1.0	b 1.6	2.6
23	2.6	17.7	1.6	0.9	1.9	1.2	0.9	1.2	b 1.2	b 7.4	b 1.6	2.3
24	1.2	0.9	0.9	0.9	1.9	0.9	0.9	1.6	b 1.0	b 1.0	b 1.6	2.6
25	0.4	0.4	0.9	0.8	1.9	0.9	0.9	1.2	b 1.2	b 1.0	b 1.6	3.3
26	0.6	0.3	0.9	0.9	1.9	1.2	0.9	1.2	b 1.2	b 1.2	b 1.6	2.6
27	0.4	0.3	0.9	0.9	1.9	58	0.9	1.2	b 1.6	b 1.2	b 1.6	2.9
28	0.3	0.4	0.9	0.9	18.8	2.6	1.2	0.9	b 1.2	b 1.2	b 1.6	2.3
29	0.3	0.6	0.9	0.9	---	1.2	1.2	0.9	b 1.2	b 1.6	b 1.6	2.3
30	0.3	0.6	0.9	0.9	---	0.9	1.2	0.9	b 1.2	b 1.6	b 1.6	1.9
31	0.3	---	0.9	0.9	---	1.6	---	0.9	b 1.6	b 1.6	---	---

MEAN	0.97	12.2	4.44	58.8	1.56	31.1	1.67	1.06	1.07	1.25	1.60	2.31
ACRE FEET	60	725	273	3620	86	1910	99	65	64	77	98	137

YEAR OR PERIOD _____ MEAN ACRE-FEET _____
 10.0
 7210

STATION DATA SUMMARY

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

SEASON	MAX	MIN	MEAN	TOTAL	PEAK FLOW		CFS
	DAILY CFS	DAILY CFS	DAILY CFS	RUNOFF A.F.	MON	DAY	
1927-28	*	0	*	1230*	3	5	240*
1928-29	197	0	3.1	2270	3	10	924
1929-30	144	0	3.5	2520	3	14	580
1930-31	137	+	3.3	2400	4	26	678
1931-32	248	0	4.4	3220	1	31	757
1932-33	166	0	2.4	1780	1	19	740
1933-34	372	0	3.5	2560	1	1	960
1934-35	301	0	5.7	4170	4	8	850
1935-36	143	0	4.0	2920	2	12	824
1936-37	559	0	*	*	2	6	1220
1937-38	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	382	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

B = RECORD BEGAN AT B LOCATION 10-03-38.

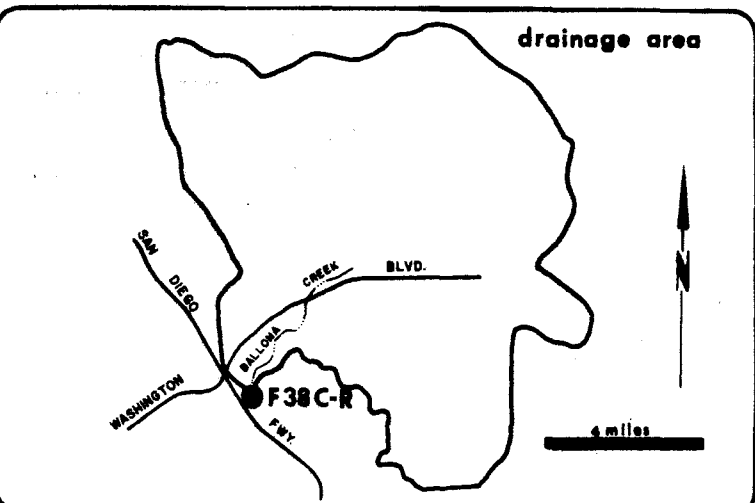
* = RECORD INCOMPLETE

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

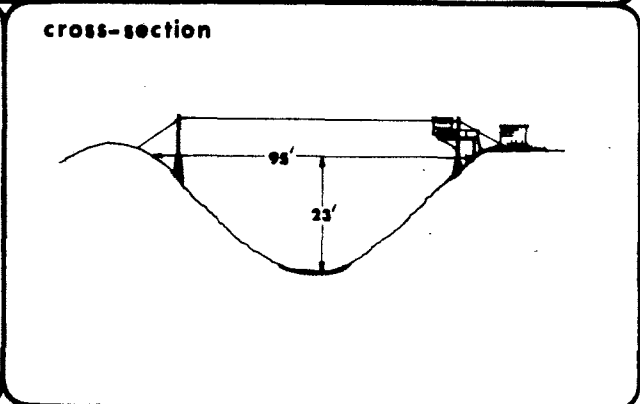
N.D. = NOT DETERMINED

E = ESTIMATE

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



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



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F38C-R

DAILY DISCHARGE IN SECOND-FOOT OF BALLONA CREEK above Sawtelle Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 1974

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	13.0	12.4	498	45	16.0	14.0	15.0	19.0	21	12.4	12.4	11.8
2	15.0	11.8	11.8	9.4	21.0	968	62	21	20	12.4	14.0	11.8
3	20.0	10.0	11.8	15.2	34.0	262	13.0	21	19.0	13.0	13.0	13.0
4	19.0	10.0	11.8	2070	34.0	14.0	14.0	18.0	20	10.6	11.2	11.8
5	19.0	11.8	13.0	486	17.0	12.4	14.0	26	19.0	12.4	15.0	12.4
6	18.0	12.4	12.4	2480	14.0	17.0	16.0	33	20	11.8	14.0	13.0
7	17.0	14.0	11.8	3510	15.0	915	21	21	20	10.6	15.0	12.4
8	14.0	13.0	11.8	254	16.0	1390	20	19.0	18.0	11.8	15.0	10.6
9	13.0	14.0	11.2	50	15.0	38	22	18.0	19.0	11.8	15.0	14.0
10	13.0	11.8	11.8	21	16.0	21	19.0	17.0	21	12.4	12.4	13.0
11	11.2	11.8	11.8	21	18.0	16.0	15.0	15.0	18.0	13.0	11.2	13.0
12	11.2	11.2	11.8	30	19.0	16.0	18.0	14.0	18.0	15.0	14.0	14.0
13	11.8	13.0	12.4	27	19.0	16.0	15.0	17.0	15.0	13.0	14.0	13.0
14	13.0	11.8	13.0	25	18.0	14.0	15.0	17.0	18.0	11.2	11.8	11.8
15	15.0	11.8	11.8	25	18.0	17.0	15.0	16.0	18.0	12.4	12.4	11.2
16	17.0	82	10.6	68	16.0	15.0	18.0	19.0	17.0	14.0	11.8	13.0
17	13.0	303	11.2	173	14.0	14.0	18.0	19.0	17.0	15.0	11.2	14.0
18	13.0	287	10.6	19.0	13.0	15.0	19.0	16.0	17.0	14.0	10.0	13.0
19	15.0	9.4	11.2	16.0	16.0	16.0	14.0	13.0	21	13.0	11.8	11.8
20	12.4	9.4	11.2	150	18.0	16.0	16.0	15.0	23	14.0	11.8	13.0
21	13.0	9.4	11.8	18.0	16.0	16.0	13.0	16.0	19.0	11.8	11.8	11.8
22	13.0	755	240	13.0	16.0	18.0	15.0	18.0	16.0	14.0	11.8	10.0
23	48	46	10.6	13.0	14.0	19.0	11.8	22	15.0	16.0	13.0	9.4
24	15.0	13.0	10.6	13.0	19.0	18.0	25	18.0	22	11.2	13.0	10.0
25	14.0	11.2	10.6	13.0	14.0	21	18.0	19.0	21	12.4	11.8	10.6
26	14.0	10.6	10.6	14.0	15.0	32	17.0	17.0	15.0	12.4	14.0	10.6
27	13.0	9.4	9.4	13.0	15.0	366	17.0	16.0	18.0	11.2	14.0	10.6
28	12.4	9.4	11.2	13.0	94	18.0	16.0	20	20	11.2	15.0	10.6
29	12.4	9.4	10.0	14.0	----	15.0	18.0	20	17.0	11.8	16.0	9.4
30	11.8	9.4	9.4	14.0	----	20	18.0	22	13.0	13.0	17.0	11.2
31	12.4	----	8.8	19.0	----	16.0	----	21	----	11.8	13.0	----

MEAN	15.2	58	34	311	20	141	18.3	16.8	18.5	12.6	13.1	11.9	
ACRE-FOOT	937	3480	2110	1130	8660	1090	1160	1100	775	807	706	56.8	
YEAR OR PERIOD												MEAN ACRE-FOOT	41,060

2059 FCD 10/73

STATION DATA SUMMARY

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

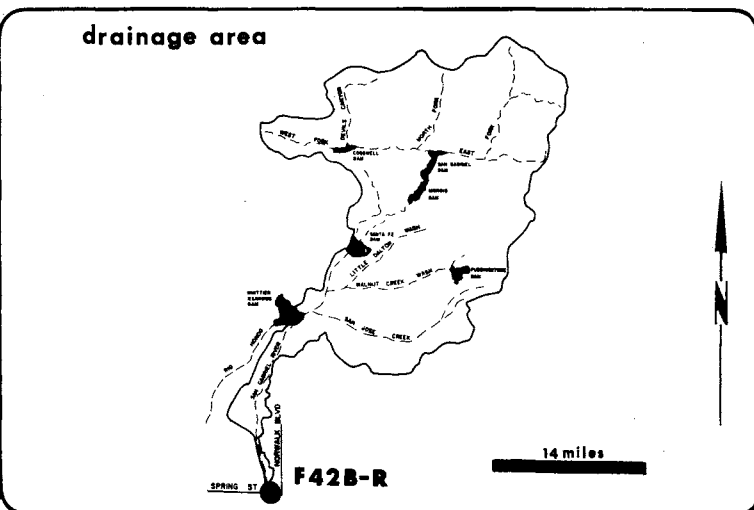
SEASON	MAX	MIN	MEAN	TOTAL	PEAK FLOW		
	DAILY CFS	DAILY CFS	DAILY CFS	RUNOFF A.F.	MON	DAY	CFS
1927-28	N.D.	0	N.D.	3930	5	8	1100
1928-29	1150	0	20.6	14900	3	10	4990
1929-30	1130	0	18.6	13480	1	11	4460
1930-31	1500	0	25.6	18520	4	26	6280
1931-32	1780	0	30.0	21790	12	28	6130
1932-33	1660	0	21.8	15810	1	19	7000
1933-34	4310	0	28.5	20630	1	1	11300
1934-35	2190	0	34.4	24870	4	8	11200
1935-36B	929	0	19.3	13500	2	12	8070
1936-37	2160	0	56.2	40680	12	30	8940
1937-38	7330	3.6	72.5	52500	3	2	19000
1938-39	3080	1.8	39.4	28490	12	17	9900
1939-40	1270	1.3	29.1	21110	2	3	9730
1940-41	2680	3.1	93.0	67360	12	23	17300
1941-42	990	2.8	23.8	17250	12	10	7500
1942-43	4840	2.6	47.3	34240	1	22	13200
1943-44	3010	3.4	45.4	33000	2	22	8800
1944-45	1200	3.0	33.8	24450	11	11	9380
1945-46	1830	3.8	25.4	18380	12	22	7750
1946-47	1960	2.8	36.3	26300	12	25	9630
1947-48	1000	3.5	18.8	13630	3	24	12700
1948-49	668	2.8	22.2	16090	2	7	5740
1949-50	1620	1.4	32.1	23250	2	6	7670
1950-51	756	0.7	26.1	18860	1	10	5460
1951-52	2520	3.5	73.5	53350	1	16	12800
1952-53	1140	4.8	27.5	19910	11	15	11500
1953-54	3570	5.4	39.3	28480	2	13	18900
1954-55	1210	5.4	29.8	21600	1	18	9370
1955-56	6510	5.2	44.7	34590	1	26	18700
1956-57	1790	6.3	30.7	22240	2	23	13900
1957-58	3000	6.3	59.4	43040	2	19	15200
1958-59	1210	4.2	19.0	13730	1	6	8170
1959-60	1290	2.2	23.7	17190	1	11	12500
1960-61	945	4.2	17.3	12560	11	5	7700
1961-62	3490	3.2	69.2	50090	2	19	12900
1962-63	1940	3.2	29.6	21450	3	16	12100
1963-64	789	3.9	24.8	18000	1	22	6420
1964-65	1590	3.9	38.0	27540	4	9	17600
1965-66	3620	5.3	61.5	44540	11	22	18000
1966-67C	3020	6.7	62.1	45300	11	7	13900
1967-68	6350	8.2	55.9	40570	11	21	32500
1968-69	4840	8.2	101	73060	1	25	17000
1969-70	1380	7.6	30.7	22230	2	28	1380
1970-71	3170	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

B = RECORD BEGAN AT B LOCATION 05-14-36.

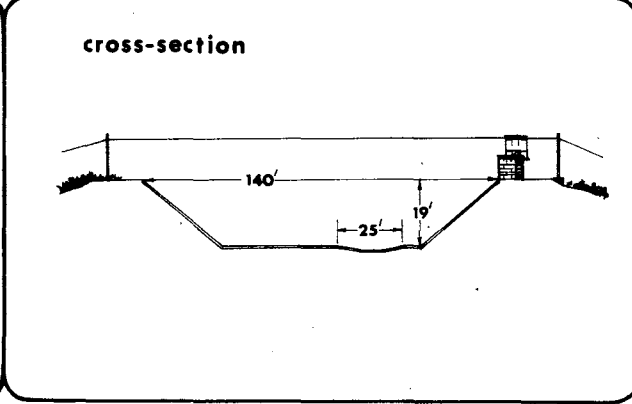
C = RECORD BEGAN AT C LOCATION 08-10-67.

N.D. = NOT DETERMINED

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



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



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F42B-R

DAILY DISCHARGE IN SECOND-FOOT OF SAN GABRIEL RIVER above Spring Street FOR THE WATER YEAR ENDING SEPTEMBER 30, 1974

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	10.6	50	86	28	37	38	14.5	54	46	d 44	d 35	d 46
2	10.9	52	48	15.4	26	512	106	51	45	d 45	d 46	d 46
3	13.5	28	40	37	14.5	46	46	54	41	d 47	d 51	d 31
4	48	14.0	45	1530	14.0	31	48	35	17.9	d 45	d 41	d 44
5	40	14.9	40	524	15.8	14.9	50	18.5	17.4	d 38	d 43	d 45
6	29	14.9	42	1030	14.0	14.0	28	50	45	d 42	d 43	d 44
7	13.5	16.3	42	3730	39	161	15.8	51	43	d 39	d 43	d 44
8	13.5	50	26	1420	39	1430	16.3	54	29	d 41	d 39	d 32
9	13.1	50	13.1	82	24	117	16.3	54	17.4	d 44	d 39	d 31
10	13.5	27	13.1	47	14	41	17.9	54	17.4	d 45	d 40	d 42
11	48	14.0	12.6	42	14.5	32	50	53	17.4	d 45	d 39	d 44
12	40	21	13.5	42	14.5	14.5	50	51	22	d 45	d 40	d 43
13	29	50	35	42	14.9	15.8	30	52	44	d 46	d 38	d 40
14	13.5	49	35	43	40	42	16.3	53	42	d 43	d 44	d 41
15	13.1	50	21	42	40	42	27	50	31	d 40	d 44	d 30
16	13.1	54	12.6	42	25	27	52	51	14	d 44	d 42	d 32
17	13.1	99	11.7	62	14.9	15.4	55	52	15.4	d 48	d 43	d 35
18	48	167	12.2	41	16.3	15.4	41	32	15.4	d 45	d 41	d 43
19	48	50	14.0	25	14.5	15.4	43	15.4	31	d 47	d 46	d 36
20	27	14.9	38	39	14.9	16.8	30	15.8	33	d 46	d 46	d 42
21	12.2	15.8	37	35	40	42	17.9	15.8	33	d 42	d 48	d 40
22	12.2	161	49	13.5	40	42	17.4	27	15.4	d 45	d 49	d 21
23	22	369	15.4	29	39	27	17.9	50	15.4	d 46	d 49	d 19.6
24	13.1	50	14.9	38	38	14.5	17.9	46	15.4	d 40	d 47	d 42
25	48	51	13.5	40	30	15.4	56	42	d 28	d 38	d 48	d 44
26	50	41	15.8	25	14.9	15.8	54	42	d 33	d 40	d 41	d 45
27	29	14.5	40	13.1	14.9	58	52	43	d 31	d 42	d 47	d 32
28	13.5	15.8	40	13.1	53	47	54	43	d 30	d 41	d 48	d 39
29	13.1	50	25	13.5	----	46	59	44	d 31	d 40	d 42	d 21
30	13.1	50	14.5	11.7		27	52	45	d 30	d 40	d 47	d 29
31	13.1		14.0	37		14.0		46		d 39	d 44	

MEAN	23.8	56.8	28.4	294.6	25.6	96.4	38.4	43.4	28.2	43.0	43.6	37.4
ACRE-FOOT	1460	3380	1750	18100	1420	5930	2280	2670	1680	2640	2680	2230

YEAR OR PERIOD MEAN ACRE-FOOT 63.9
 46,220

2559 FCD 10/73

STATION DATA SUMMARY

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

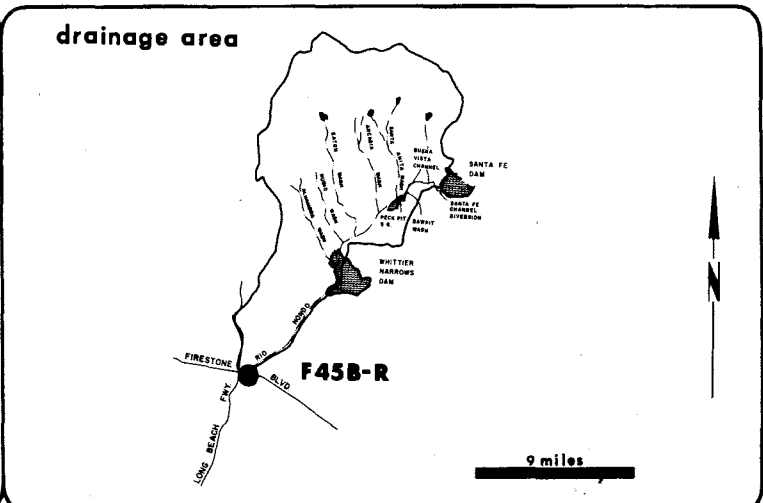
SEASON	MAX	MIN	MEAN	TOTAL	PEAK FLOW		
	DAILY CFS	DAILY CFS	DAILY CFS	RUNOFF A.F.	MON	DAY	CFS
1927-28	0	0	0	0			
1928-29	0	0	0	0			
1929-30	0	0	0	0			
1930-31	0	0	0	0			
1931-32	1270	0	9.0	6560	2	9	4490
1932-33	170	0	1.1	809	1	20	2250
1933-34	4860	0	17.1	12370	1	1	15000
1934-35	463	0	3.3	2380	10	17	3390
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	27000F
1938-39	265	0	1.5	1080	12	19	956
1939-40	192E	0	2.0	1460	2	3	1400
1940-41	1710	0	91.0	65890	3	13	4830
1941-42	148	0	15.0	10830	12	11	277
1942-43	9570	0	280	175100	1	23	14600
1943-44	5570	0	99.4	72200	2	22	15000
1944-45	742	0	30.8	22280	2	2	1910
1945-46	1460	0	17.4	12590	12	23	3300
1946-47	2520	0	33.3	24100	1	1	2740
1947-48	0	0	0	0			
1948-49	0	0	0	0			
1949-50	0	0	0	0			
1950-51	0	0	0	0			
1951-52	STATION OUT			21100F			
1952-53	101	0	0.3	220	12	2	301
1953-54	445	0	2.9	2060	2	13	3520
1954-55	240	0	1.1	820	1	18	1640
1955-56	4300	0	12.9	9390	1	26	12500
1956-57	393	0	1.2	896	1	13	1760
1957-58	1510	0	31.6	22890	4	7	5220
1958-59	615	0	3.2	2340	1	6	2940
1959-60	355	0	2.6	1860	1	12	2180
1960-61	204	0	0.6	448	1	26	1780
1961-62	2940	0	32.0	23070	2	11	7350
1962-63	1530	0	7.3	5290	3	17	4120
1963-64	751	0	4.4	3160	1	22	2570
1964-65B	1070	0	12.1	8770	4	9	4540
1965-66	630	0	10.2	7400	2	6	1950
1966-67	1190	0	37.1	26850	1	23	4760
1967-68	847	+	9.2	6720	11	21	3280
1968-69	9350	+	286	207300	1	25	11700
1969-70	1760	+	24.2	17520	3	5	5550
1970-71	2700	+	27.1	19610	12	19	5550
1971-72	1980	0.1	82.2	39900	12	24	8580
1972-73	2710	10.6	70.6	51100	1	16	5680
1973-74	3730	10.6	63.9	46220	1	4	6090

B = RECORD BEGAN AT B LOCATION 11-16-64.

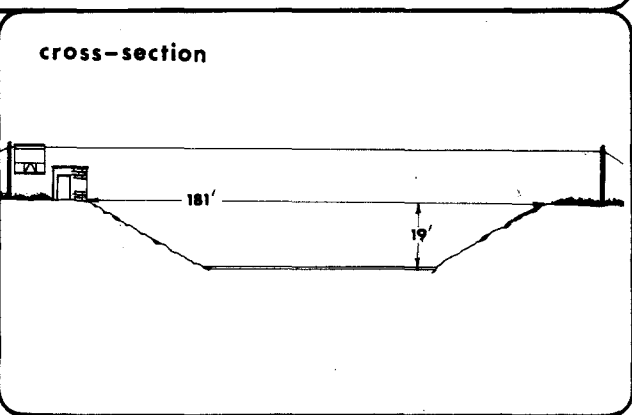
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

F = ESTIMATE

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



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



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F45B-R

DAILY DISCHARGE IN SECOND-FOOT OF RIO HONDO above Stewart and Gray Road FOR THE WATER YEAR ENDING SEPTEMBER 30, 1974

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	+	0.1	25	5.7	0.6	0.8	0.6	0.3	0.1	+	0.3	0.3
2	+	+	0.1	+	0.1	182	13.2	0.1	0.1	0.3	0.4	0.4
3	+	+	0.3	+	0.1	21	0.1	0.3	0.1	0.1	0.8	0.4
4	+	+	0.1	482	0.1	0.3	0.1	0.3	0.1	0.1	0.1	0.3
5	+	+	0.1	66	0.3	0.4	0.1	0.4	0.1	0.1	0.3	0.4
6	+	+	+	222	0.4	0.1	0.1	1.0	0.1	0.1	0.4	0.6
7	+	+	+	3360	0.1	139	0.1	0.1	0.3	0.1	0.8	0.4
8	+	+	0.1	256	0.3	425	0.1	0.1	0.05	0.1	0.6	0.4
9	+	+	+	6.3	0.3	1.6	+	0.1	0.04	0.1	0.6	0.4
10	+	+	+	1.0	0.3	1.2	+	0.1	0.04	0.1	0.4	0.4
11	+	+	0.1	0.4	0.3	0.4	0.1	0.1	0.04	0.1	0.4	0.3
12	+	+	0.1	0.3	0.4	0.4	0.1	0.1	0.04	0.1	0.6	0.6
13	+	+	0.1	0.3	0.4	0.4	0.1	0.3	0.03	0.3	0.4	0.3
14	0.1	+	0.1	0.3	0.4	0.4	+	0.1	0.03	0.3	0.3	0.4
15	0.1	0.1	+	0.4	0.4	0.4	+	0.3	0.02	0.1	0.4	0.6
16	0.1	4.5	0.1	1.2	0.6	0.6	0.1	0.3	0.03	0.1	0.3	0.3
17	0.3	37	0.1	29	0.6	0.4	0.1	0.1	0.02	0.3	0.3	0.3
18	0.3	55	0.1	0.8	0.4	0.6	0.1	0.1	0.03	0.4	0.6	1.7
19	0.1	+	+	0.4	0.6	0.6	0.1	0.1	0.02	0.4	0.4	0.6
20	0.3	+	+	18.5	0.1	0.6	0.3	0.1	0.04	0.4	0.4	0.1
21	0.3	0.8	0.1	1.0	0.3	0.6	0.1	0.1	0.03	0.1	0.4	0.1
22	0.3	122	22	0.1	0.3	0.4	+	0.1	0.04	0.1	0.4	0.1
23	1.2	15.8	0.1	0.1	0.3	0.6	1.0	0.1	0.03	0.8	0.4	0.1
24	0.1	0.1	+	0.1	0.1	0.4	1.8	0.1	0.04	0.3	0.6	0.3
25	0.1	+	+	0.3	0.1	0.6	0.4	0.1	0.04	0.4	0.4	0.1
26	0.1	+	0.1	0.3	0.3	0.8	0.4	0.1	0.04	0.4	0.6	0.1
27	0.3	+	0.1	0.1	0.6	37	0.1	0.1	0.04	0.4	0.3	0.1
28	0.1	+	0.1	0.1	6.5	0.8	0.1	0.1	0.05	0.3	0.3	0.1
29	0.1	+	0.1	0.3		0.8	0.1	0.1	0.1	0.3	0.8	0.1
30	0.3	+	0.1	0.3		1.0	0.1	0.1	0.1	0.4	0.4	0.1
31	0.1		0.3	0.4		0.6		0.1		0.3	0.4	

MEAN	0.14	7.85	1.59	144	0.55	26.4	0.65	0.18	0.06	0.24	0.44	0.35
ACRE- FEET	8.5	470	98	8830	30	1630	39	11	3.6	15	27	21

YEAR OR PERIOD MEAN ACRE- FEET 11180

2059 FCD 10/73

STATION DATA SUMMARY

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

SEASON	MAX	MIN	MEAN	TOTAL	PEAK FLOW		
	DAILY CFS	DAILY CFS	DAILY CFS	RUNOFF A.F.	MON	DAY	CFS
1927-28	*	0	*	269*	3	6	4.0*
1928-29	248	0	3.4	2460	4	4	912
1929-30	285	0	2.8	2000	3	15	743
1930-31	335	0	2.6	1900	2	4	841
1931-32	3440	0	27.4	19920	2	9	4610
1932-33	971	0	6.2	4450	1	19	2730
1933-34	5810	0	23.5	17030	1	1	16000
1934-35	667	0	8.3	6000	4	8	3450
1935-36	472	0	5.8	4220	2	12	3160
1936-37	1460	0	37.1	26870	2	14	4800
1937-38	12700	0	238	172100	3	3	24400E
1938-39	910	0	13.2	9540	12	18	5260
1939-40	442	0	6.7	4850	1	8	1930
1940-41	3690	0	129	93260	3	4	6420
1941-42	564	0	9.3	6730	12	10	4240
1942-43	4660	0	57.9	41910	1	23	11800
1943-44	2570E	0	36.9	26820	2	22	6670
1944-45	492	0	11.7	8460	11	11	4500
1945-46	1130	0	15.6	11280	12	22	4270
1946-47	923	0	22.1	16030	11	13	5950
1947-48	425	0	4.8	3510	3	24	2880
1948-49	268	0	2.1	1490	1	20	713
1949-50	402	0	3.9	2840	1	8	1790
1950-51	135	0	1.1	781	1	29	1080
1951-52B	2430	0	35.9	26040	1	16	9040
1952-53	571	0	4.8	3450	11	15	4600
1953-54	1780	0	14.9	10760	2	13	8860
1954-55	753	0	11.1	8000	1	18	4160
1955-56	4910	0	20.0	14540	1	26	11600
1956-57	967	0	6.4	4640	2	23	6560
1957-58	2230	0	41.8	30260	2	19	10800
1958-59	915	0	5.4	3900	1	6	11000
1959-60	219	0	3.3	2370	1	12	3030
1960-61	115	0	1.2	831	11	26	2090
1961-62	2080	0	31.4	22780	2	19	7100
1962-63	620	0	4.5	3280	2	9	4240
1963-64	190	0	2.4	1730	1	22	2060
1964-65	1130	0	7.3	5310	4	9	8780
1965-66	4810	+	95.8	69390	12	29	19000
1966-67	5210	+	26.6	21530	1	24	20100
1967-68	4300	+	25.3	18360	3	8	17900
1968-69	23100	+	424	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

B = RECORD BEGAN AT B LOCATION 11-20-51.

* = RECORD INCOMPLETE

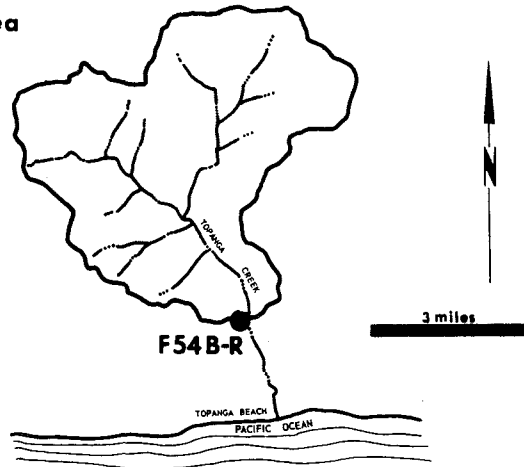
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

F = ESTIMATE

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

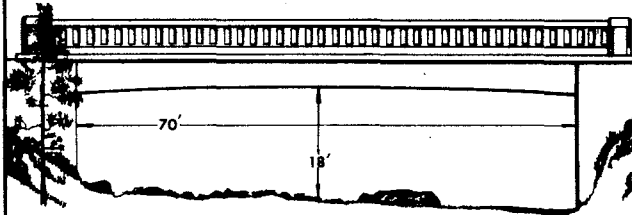


drainage area



RECORDER - continuous water stage
 METHOD OF MEASUREMENTS - wading
 DRAINAGE AREA - 18.0 square miles
 LOCATION - downstream side of Topanga Canyon Road bridge, 2.0 miles north of Topanga Beach
 REGULATION - none
 CHANNEL - rock and gravel, natural section
 CONTROL - none
 LENGTH OF RECORD -
 at Station F54-R, January 1, 1930, to June 4, 1940
 at Station F54B-R, June 5, 1940, to date

cross-section



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F54B-R

DAILY DISCHARGE IN SECOND-FOOT OF TOPANGA CREEK two miles above the mouth FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 74

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.1	0.2	2.2	0.4	2.2	1.2	1.7	0.8	0.4	0.4	0.1	0.2
2	0.2	0.1	3.2	0.4	2.2	1.9	1.8	0.8	0.4	0.4	0.1	0.2
3	0.2	0.2	0.7	0.4	2.0	7.7	1.7	0.8	0.4	0.3	0.1	0.2
4	0.2	0.1	0.5	b109	1.9	3.0	1.5	0.8	0.4	0.3	0.1	0.1
5	0.2	0.2	0.4	b 28	1.9	2.2	1.5	0.8	0.4	0.3	0.1	0.1
6	0.2	0.2	0.4	b161	1.8	2.3	1.4	0.8	0.4	0.4	0.1	0.1
7	0.1	0.2	0.3	b1060	1.8	7.5	1.4	0.6	0.4	0.4	0.1	0.2
8	0.2	0.2	0.2	b220	1.8	28	1.3	0.7	0.4	0.3	0.1	0.2
9	0.2	0.2	0.3	b 35	1.7	7.2	1.3	0.7	0.4	0.2	0.2	0.2
10	0.1	0.2	0.3	b 15	1.7	4.6	1.2	0.7	0.4	0.2	0.2	0.2
11	0.1	0.2	0.4	12	1.5	4.1	1.2	0.7	0.4	0.2	0.1	0.2
12	0.1	0.2	0.4	8.7	1.5	3.7	1.2	0.6	0.4	0.2	0.1	0.2
13	0.1	0.2	0.4	6.9	1.5	3.6	1.2	0.6	0.4	0.2	0.2	0.2
14	0.1	0.2	0.4	5.9	1.5	3.4	1.2	0.6	0.4	0.2	0.2	0.2
15	0.1	0.2	0.4	5.3	1.5	3.0	1.1	0.6	0.4	0.2	0.2	0.2
16	0.1	0.3	0.4	5.3	1.5	2.9	1.0	0.6	0.4	0.2	0.2	0.2
17	0.1	5.1	0.4	7.8	1.5	2.6	1.2	0.5	0.3	0.2	0.2	0.2
18	0.1	22	0.4	5.5	1.4	2.4	1.2	0.5	0.3	0.2	0.2	0.2
19	0.1	0.5	0.4	4.8	1.4	2.3	1.0	0.5	0.3	0.1	0.2	0.2
20	0.1	0.3	0.4	5.5	1.4	2.3	0.9	0.6	0.3	0.2	0.2	0.2
21	0.1	0.3	0.3	5.1	1.3	2.3	0.8	0.5	0.3	0.2	0.2	0.2
22	0.2	3.1	0.9	3.9	1.2	2.3	0.9	0.5	0.3	0.2	0.2	0.3
23	0.4	3.1	b 0.3	3.4	1.2	2.3	0.8	0.5	0.2	0.2	0.2	0.2
24	0.2	0.6	b 0.3	3.6	1.2	2.3	0.7	0.5	0.2	0.2	0.2	0.2
25	0.2	0.5	b 0.3	3.0	1.0	2.3	0.7	0.5	0.2	0.2	0.2	0.2
26	0.2	0.4	b 0.3	2.9	0.9	2.3	0.7	0.4	0.2	0.2	0.2	0.2
27	0.1	0.4	0.3	2.7	0.9	4.3	0.7	0.4	0.2	0.2	0.2	0.2
28	0.1	0.3	0.3	2.4	1.0	2.3	0.8	0.4	0.2	0.2	0.2	0.2
29	0.1	0.2	0.3	2.3	---	2.0	0.8	0.4	0.2	0.2	0.2	0.2
30	0.1	0.3	0.2	2.3	---	1.9	0.8	0.4	0.3	0.2	0.2	0.2
31	0.1	---	0.3	2.2	---	1.9	---	0.4	---	0.2	---	---

MEAN	0.15	1.34	1.16	55.9	1.51	4.49	1.12	0.59	0.33	0.24	0.17	0.19
ACRE-FOOT	8.9	80	72	3430	84	276	67	36	20	14	10	12

YEAR OR PERIOD _____ MEAN ACRES-FOOT _____ 4110

STATION DATA SUMMARY

STA. NO. F54R-R
TOPANGA CREEK ABOVE MOUTH OF CANYON

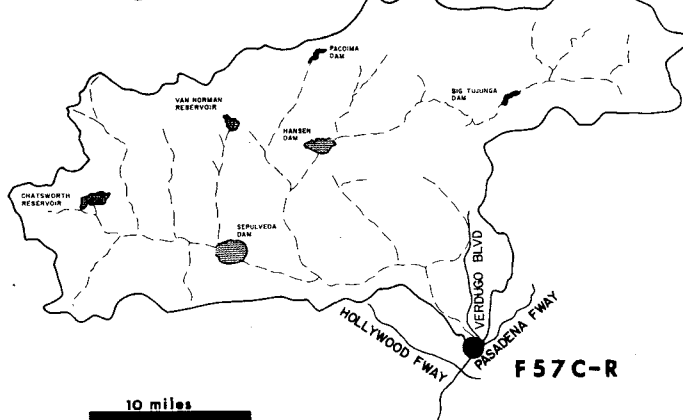
SEASON	MAX	MIN	MEAN	TOTAL	PEAK FLOW		CFS
	DAILY	DAILY	DAILY	RUNOFF	MON	DAY	
	CFS	CFS	CFS	A.F.			
1929-30	*	*	*	647*	3	14	340
1930-31	186	+	1.0	705	2	4	386
1931-32	409	+	4.9	3590	2	8	1250
1932-33	542	+	3.1	2240	1	19	1430
1933-34	1590	0	8.9	6420	12	31	4510
1934-35	130	+	1.9	1360	1	5	1200
1935-36	77	+	2.0	1490	2	22	528
1936-37	413	+	9.1	6620	3	15	1130
1937-38	3270	+	21.2	15310	3	2	9300F
1938-39	NO RECORD						
1939-40R	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	1100F	+	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

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

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

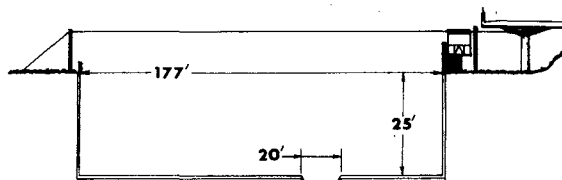


drainage area



RECORDER - continuous water stage
 METHOD OF MEASUREMENTS - wading or from cable car
 DRAINAGE AREA - 511 square miles
 LOCATION - 800.0 feet above the confluence of the Arroyo Seco with the Los Angeles River, Los Angeles
 REGULATION - partially regulated by Sepulveda, Pacoima, Big Tujunga, and Hansen Dams; and by several spreading grounds, reservoirs, and debris basins.
 CHANNEL - concrete, rectangular in section, with a trapezoidal low-flow channel
 CONTROL - channel forms control
 LENGTH OF RECORD -
 at Station F57-R, December 5, 1929, to May 26, 1938
 at Station F57B-R, April 5, 1939, to December 8, 1939
 at Station F57C-R, December 8, 1939, to date
 REMARKS - subject to diversions from Big Tujunga Creek, and other diversions for domestic and irrigation uses

cross section



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

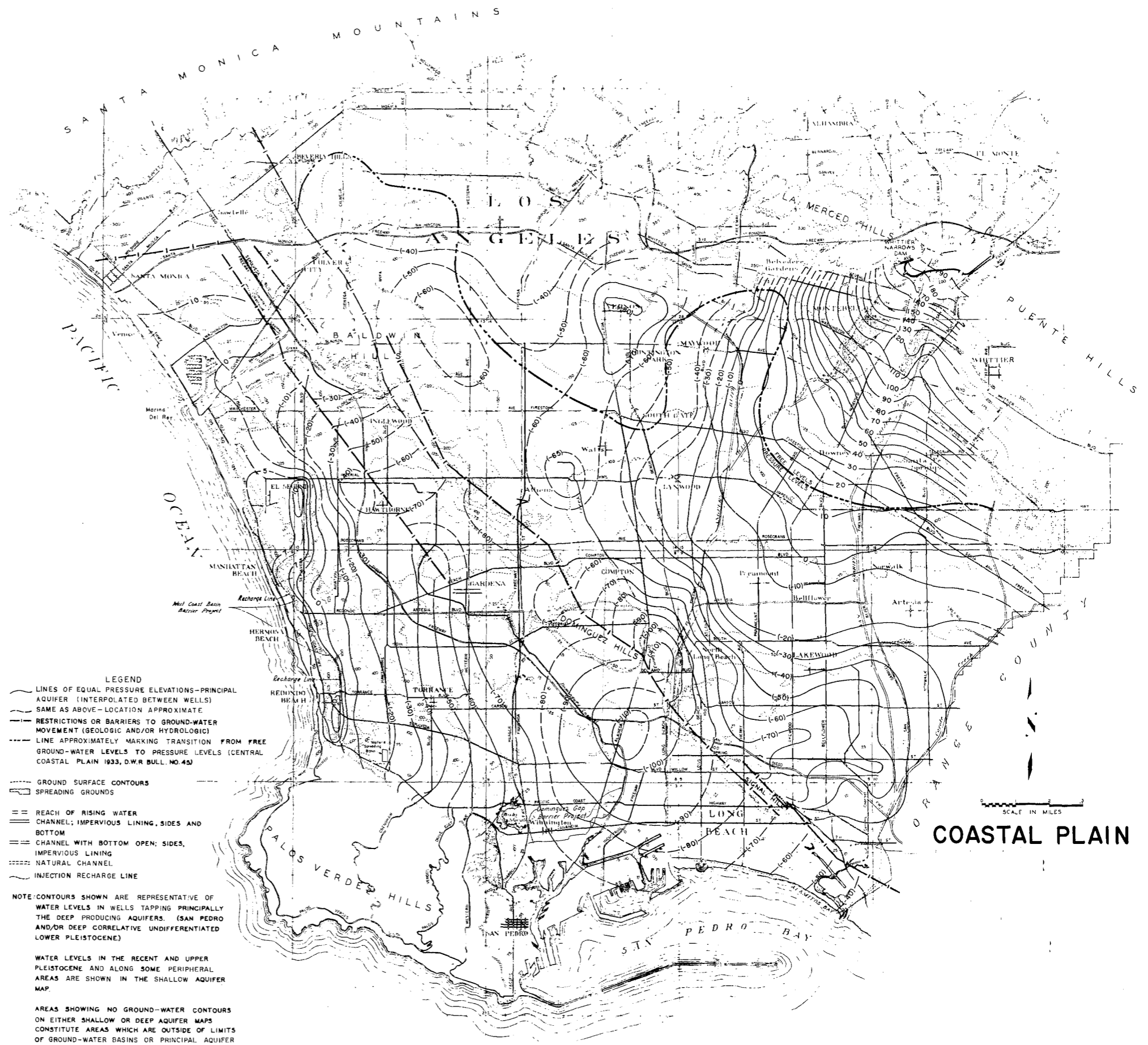
STATION NO. F57C-R

DAILY DISCHARGE IN SECOND-FOOT OF LOS ANGELES RIVER above Arroyo Seco FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 24

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	9.8	11.6	988	90	12.4	111	24	14.9	11.6	6.7	12.2	5.8
2	12.8	14.9	40	32	12.4	1470	266	14.9	11.0	7.7	14.9	5.8
3	12.8	14.2	19.3	10.5	9.8	778	27	14.9	12.2	8.2	19.4	12.8
4	15.6	12.2	11.8	4680	11.8	50	22	13.5	13.5	10.4	17.5	9.2
5	10.4	11.0	9.8	925	18.4	23	14.9	13.5	13.5	8.7	16.5	10
6	11.6	16.5	10.5	4870	13.5	12.2	13.5	34	12.8	12.8	14.9	10
7	12.2	14.2	9.8	12480	12.8	875	13.5	15.6	12.8	9.8	15.6	10
8	22	20	9.8	2270	15.6	4110	13.5	15.6	12.2	11.0	12.2	10
9	51	17.5	9.2	200	21	93	12.2	14.9	9.2	10.4	11.6	10
10	19.4	15.6	10.5	74	14.2	50	9.8	15.6	10.4	12.2	10.4	10
11	16.5	12.2	10.5	54	14.2	42	12.8	16.5	12.2	12.2	8.2	11
12	14.9	11.0	10.5	45	13.5	46	14.2	15.6	12.8	12.8	9.2	11
13	14.2	13.5	11.8	31	12.2	38	27	18.4	11.6	9.8	12.2	11
14	14.2	14.2	11.8	15.6	14.9	32	22	14.9	14.2	7.7	21	11
15	21	14.2	10.5	11.8	14.2	32	13.5	15.6	12.2	9.8	24	11
16	27	12.8	13.0	54	14.2	35	13.5	14.9	9.2	15.6	13.5	12
17	22	662	13.7	362	11.6	28	13.5	15.6	8.7	14.2	10.4	12
18	25	1150	13.0	60	9.2	25	14.2	12.2	11.0	13.5	8.7	12
19	22	33	12.4	23	12.8	38	13.5	12.8	11.0	8.2	11.0	12
20	19.4	18.4	9.2	247	13.5	34	13.5	14.9	12.2	7.7	12.8	12.8
21	15.6	11.6	9.8	65	12.2	31	14.2	19.4	11.6	6.2	11.6	12.8
22	15.6	1070	450	25	12.2	32	15.6	16.5	13.5	8.7	11.6	11.6
23	73	435	21	16.5	11.6	28	18.4	14.9	19.4	14.9	9.2	12.2
24	47	18.4	12.2	16.5	10.4	26	39	16.5	17.5	24	6.7	11.6
25	17.5	12.8	10.4	13.0	12.2	30	45	13.5	14.9	23	5.8	9.8
26	14.2	9.2	10.4	11.8	12.8	35	21	11.0	15.6	12.2	6.2	20.3
27	12.2	9.2	11.6	9.2	13.5	573	16.5	15.6	18.4	9.8	8.2	11.6
28	11.6	11.0	13.5	10.5	60	34	13.5	15.6	17.5	7.2	8.2	7.7
29	14.2	9.2	11.0	11.1		26	15.6	15.6	15.6	9.8	7.7	6.2
30	17.5	10.4	11.0	11.8		33	13.5	13.5	5.8	14.2	7.7	9.2
31	11.0		9.8	11.1		76		11.0		13.5	7.2	

MEAN	20.1	123	58.2	862	14.9	285	26.2	15.5	12.8	11.4	11.8	10.7
ACRE-FOOT	1240	7310	3580	53030	827	17550	1560	956	762	700	727	639

YEAR OR PERIOD MEAN 123
 ACRE-FOOT 88900



- 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.

SCALE IN MILES

COASTAL PLAIN

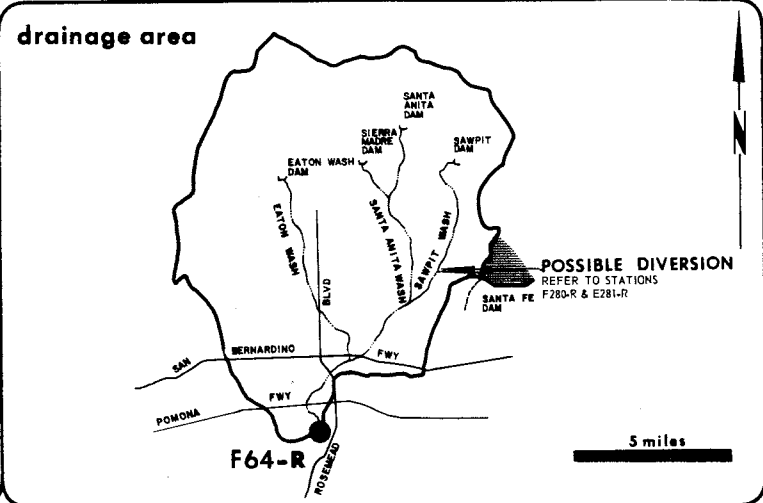
STATION DATA SUMMARY

STA. NO. F57C-R
LOS ANGELES RIVER ABOVE ARROYO SEC0

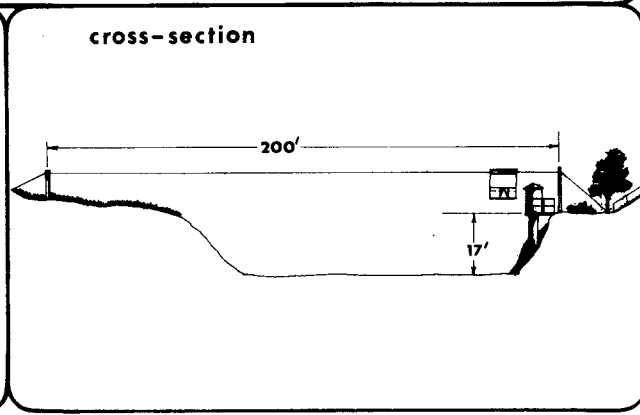
SEASON	MAX	MIN	MEAN	TOTAL	PEAK FLOW		
	DAILY CFS	DAILY CFS	DAILY CFS	RUNOFF A.F.	MON	DAY	CFS
1929-30	312	0	2.3	1660	3	15	500
1930-31	927	0	5.5	3950	2	4	4540
1931-32	2520	0	21.0	15240	2	8	3020
1932-33	2330	0	14.7	10640	1	19	5780
1933-34	5990	0	41.2	29810	1	1	22000
1934-35	568	0.1	17.3	12550	4	8	24000
1935-36	322	0.4	7.9	5770	3	30	2540
1936-37	1670	0.4	33.8	24470	2	6	2410
1937-38R	27900	0.6	183	132600	3	2	68000
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	3790	0.2	27.6	20230	1	6	17200
1959-60	1420	+	23.3	16910	1	12	8960
1960-61	1690	+	16.6	12000	11	5	7890
1961-62	8510	+	120	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	9190	6.7	157	114000	1	18	28230
1973-74	12480	5.8	123	88900	1	7	24540

R = RECORD BEGAN AT R 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.
 F = ESTIMATE

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



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



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F64-R

DAILY DISCHARGE IN SECOND-FOOT OF RIO HONDO above Mission Bridge FOR THE WATER YEAR ENDING SEPTEMBER 30, 1974

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	4.4	5.5	90	28	b 24	b 6.0	b 5.0	b 6.8	b 3.6	b 3.9	b 4.0	b 2.3
2	4.8	5.5	4.4	b 8.0	b 6.2	391	b 130	b 5.0	b 3.7	b 3.9	b 4.0	b 2.3
3	a 4.8	5.0	4.6	b 5.0	b 6.2	179	b 6.0	b 5.0	b 3.8	b 3.9	b 4.0	b 2.3
4	4.8	5.0	4.8	953	b 6.2	b 6.4	b 5.7	b 5.0	b 3.9	b 3.9	b 4.0	b 2.3
5	5.5	4.8	4.6	143	b 6.2	b 6.0	b 5.4	8.2	b 4.0	b 3.9	b 4.0	b 2.3
6	5.0	4.8	3.9	956	b 6.2	b 6.0	b 5.1	10	b 4.0	b 3.5	b 4.0	a 2.6
7	4.6	4.6	4.4	2560	b 6.1	518	b 4.8	b 6.0	b 4.0	b 3.9	b 4.0	a 2.8
8	5.7	4.4	3.7	251	b 9.3	612	b 4.6	b 6.0	b 4.0	b 3.7	b 3.9	a 3.1
9	5.2	6.0	3.7	27	b 6.1	b 6.0	b 4.3	b 5.0	b 4.0	b 3.9	b 3.8	a 3.3
10	5.7	4.8	3.5	b 15	b 6.0	b 5.8	b 4.0	b 5.0	b 4.0	b 4.5	b 3.7	a 3.6
11	5.0	6.0	3.5	b 12	b 6.0	b 5.7	b 4.0	b 5.0	b 4.0	b 5.0	b 3.6	a 3.9
12	5.5	5.5	3.7	b 10	b 5.9	b 10	b 4.0	b 4.0	b 4.0	3.7	b 3.5	a 4.1
13	3.7	6.8	3.7	b 10	b 5.9	b 5.3	b 4.0	b 4.0	b 4.0	4.2	b 3.4	a 3.9
14	3.9	5.5	4.4	73	b 5.9	b 5.2	b 4.0	b 4.0	b 4.0	4.4	b 3.2	a 3.6
15	4.6	5.2	4.2	112	b 6.0	b 5.0	b 4.0	b 4.0	b 4.0	5.2	b 3.1	a 3.4
16	4.8	5.5	4.2	106	b 6.0	b 4.8	43	b 3.9	b 4.0	4.6	b 2.8	a 3.1
17	5.0	84	4.8	144	b 6.1	b 4.7	90	b 3.8	b 4.0	5.7	b 2.5	2.9
18	5.5	183	4.8	56	b 6.1	b 4.5	144	b 3.7	b 4.0	6.3	b 2.2	2.6
19	4.8	5.7	5.2	49	b 6.2	b 4.5	172	b 3.6	b 4.0	7.1	b 2.0	2.8
20	4.4	5.2	5.2	150	b 6.2	b 4.5	188	b 3.5	b 4.0	6.8	b 2.0	2.5
21	4.4	5.2	5.0	41	b 6.0	b 4.5	200	b 3.4	b 4.0	6.6	b 2.1	2.6
22	4.2	237	43	30	b 5.9	b 4.4	102	b 3.4	b 4.0	6.3	b 2.1	2.5
23	17	29	b 5.0	34	b 5.7	b 4.4	b 7.0	b 3.4	b 4.0	17	b 2.1	2.5
24	b 4.8	b 6.0	b 4.5	31	b 5.5	b 4.4	b 6.6	b 3.4	b 4.0	b 4.0	b 2.1	2.8
25	4.8	b 5.9	b 4.3	30	b 5.4	b 4.4	63	b 3.4	b 4.0	b 4.0	b 2.1	2.9
26	4.8	b 5.8	b 4.2	28	b 5.2	b 4.4	119	b 3.5	b 4.0	b 4.0	b 2.2	2.8
27	4.8	b 5.7	4.6	28	b 5.1	129	71	b 3.5	b 4.0	b 3.8	b 2.2	2.5
28	4.8	5.7	4.6	27	18	b 5.0	37	b 3.5	b 3.9	b 3.6	b 2.2	2.3
29	5.0	5.7	4.6	27		b 5.0	21	b 3.5	b 3.9	b 3.4	b 2.2	c 2.1
30	5.5	5.7	3.9	28		b 5.0	12	b 3.5	b 3.9	b 3.2	b 2.2	2.1
31	5.2		3.3	27		b 5.0		b 3.5		b 3.4	b 2.2	

MEAN	5.26	22.5	8.33	193.5	7.13	63.4	49.0	4.51	3.96	4.89	2.95	2.83
ACRE-FOOT	323	1340	512	11900	396	3900	2920	277	235	300	181	168

YEAR OR PERIOD _____ MEAN _____ ACRE-FOOT _____ 31.0 22450

STATION DATA SUMMARY

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

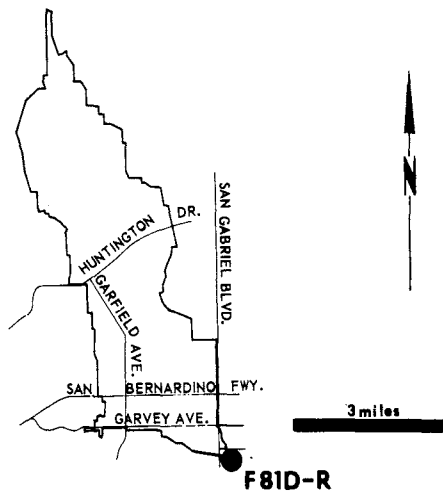
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW		
					MON	DAY	CFS
1928-29	586	6.6	22.0	15980	11	14	2400
1929-30	252	8.5	18.6	13430	3	15	1260
1930-31	662	4.8	22.7	16410	2	3	4040
1931-32	5090	3.3	65.6	47560	2	9	6320
1932-33	1670	7.5	27.1	19650	1	19	4410
1933-34	4690	3.3	40.0	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	66.9	48420	11	13	4950
1947-48	548	6.6	34.9	25370	3	24	4240
1948-49	269	4.8	15.3	11100	12	17	984
1949-50	808	4.6	17.0	12280	2	6	2340
1950-51	355	2.7	10.9	7880	1	11	2900
1951-52	1840	2.2	47.6	34570	1	17	6930
1952-53	699	3.0	22.2	16120	11	15	5330
1953-54	1390	3.1	32.3	23390	2	13	6360
1954-55	748	1.8	15.7	11350	1	18	6000
1955-56	4080	2.7	23.9	17360	1	26	13000
1956-57	1080	2.8	23.2	16840	2	23	8250
1957-58	1970	2.2	161	116500	2	19	12600
1958-59	1180	4.3	55.0	39800	1	6	11000
1959-60	664	5.9	69.0	50100	1	12	3900
1960-61	638	0.8	104	75350	1	26	3030
1961-62	1800	3.4	146	106000	1	20	6070
1962-63	1170	1.0	41.8	30290	3	16	4900
1963-64	794	0	73.4	53270	1	21	6200
1964-65	925	0	108	78300	4	9	6590
1965-66	2340	0.4	128	92380	12	29	7100
1966-67	2120	3.4	118	85810	1	24	8130
1967-68	1490	5.3	118	85660	3	8	7900
1968-69	8600	6.6	201	145700	1	25	20000
1969-70	1680	5.0	66.4	48100	2	28	8220
1970-71	2450	2.5	55.0	39850	11	29	8220
1971-72	1520	2.0	14.0	10150	12	24	5650
1972-73	2150	2.1	57.0	41260	2	11	10910
1973-74	2560	2.0	31.0	22450	1	7	9020

E = ESTIMATE

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

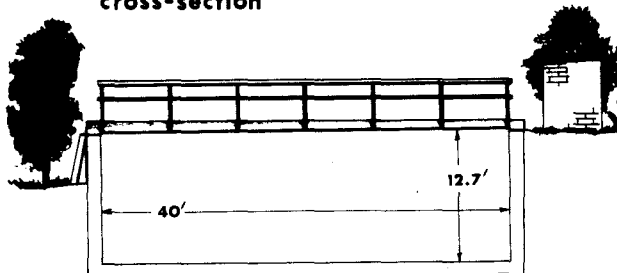


drainage area



RECORDER - continuous water stage
 METHOD OF MEASUREMENTS - wading or from footbridge
 DRAINAGE AREA - 15.2 square miles
 LOCATION - 250± feet above Klingerman Street and 2,650.0 feet below Garvey Avenue, South San Gabriel
 REGULATION - none
 CHANNEL - concrete, rectangular in section, 40.0 feet wide by 12.7 feet deep
 CONTROL - channel forms control
 LENGTH OF RECORD -
 at Station F81-R, January 14, 1930 to September 30, 1934
 at Station F81B-R, October 1, 1934, to February 25, 1935
 at Station F81C-R, February 25, 1935, to April 27, 1936
 at Station F81B-R, April 27, 1936, to May 22, 1936
 at Station F81D-R, September 2, 1936, to date

cross-section



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F81D-R

DAILY DISCHARGE IN SECOND-FOOT OF Alhambra Wash near Klingerman Street FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 74

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.1	0.9	42	7.6	0.6	0.4	2.8	b 0.5	1.1	b 1.0	b 1.0	b 1.4
2	1.1	0.9	0.9	0.4	0.4	110	27	b 0.5	0.9	b 1.0	b 1.1	b 1.4
3	1.4	0.9	1.1	0.6	0.6	66	0.4	b 0.5	0.6	b 1.0	b 1.1	b 1.1
4	1.1	0.9	0.6	293	0.4	0.3	0.4	b 0.5	1.1	b 1.0	b 1.1	b 1.1
5	0.9	1.1	0.4	58	0.4	1.4	0.4	b 2.0	0.9	b 1.0	b 1.1	b 1.1
6	1.1	1.1	0.4	352	0.4	0.6	b 0.3	b 1.5	0.9	b 1.0	b 1.4	b 1.2
7	1.1	1.1	0.4	813	0.4	182	b 0.3	b 0.9	0.6	b 1.0	b 1.4	b 1.2
8	1.1	1.1	0.4	81	0.4	211	b 0.3	b 0.9	0.6	b 1.0	b 1.1	b 1.2
9	1.4	1.1	0.4	2.8	0.3	1.8	b 0.3	0.9	0.4	b 1.0	b 1.1	b 1.2
10	1.1	1.1	0.4	1.4	0.3	0.4	b 0.3	0.6	0.4	b 1.0	b 1.1	b 1.2
11	1.1	1.4	0.4	1.1	0.3	0.4	b 0.3	0.6	0.4	b 1.0	b 1.1	b 1.2
12	0.9	0.9	0.4	0.6	0.3	1.4	b 0.3	0.6	0.4	1.1	b 1.4	b 1.2
13	1.1	0.6	0.4	0.9	0.4	0.6	b 0.4	0.6	0.4	0.9	b 1.4	b 1.2
14	0.9	0.6	0.6	1.1	0.3	0.6	b 0.4	0.6	0.4	0.9	b 1.1	b 1.2
15	0.9	0.9	0.6	0.6	0.6	0.6	b 0.4	0.6	0.6	0.9	b 1.1	b 1.2
16	0.9	4.2	0.6	10.4	0.6	0.6	b 0.4	0.9	0.6	0.9	b 1.1	b 1.2
17	1.1	52	0.9	33	0.6	0.6	b 0.6	0.9	0.6	0.9	b 1.1	1.4
18	0.9	52	0.6	0.9	0.6	0.6	b 0.6	1.1	0.6	0.9	b 1.4	1.4
19	0.9	1.1	0.6	0.6	0.9	0.9	b 0.6	0.6	0.6	b 1.0	1.4	1.1
20	0.9	1.1	0.9	31	1.1	0.9	b 0.6	0.9	0.6	b 1.0	1.1	1.1
21	1.1	1.1	0.9	1.6	1.1	0.9	b 0.6	0.9	0.6	b 1.0	1.1	1.1
22	0.9	96	20	0.6	0.9	0.6	b 0.6	0.9	0.6	b 1.0	1.4	0.9
23	7.8	3.2	0.9	0.6	1.1	0.6	b 0.6	0.6	0.6	b 2.0	1.4	0.9
24	0.6	1.1	0.9	0.9	1.1	0.6	b 1.5	0.6	0.6	b 1.0	1.4	1.1
25	0.6	0.9	0.6	0.6	0.9	0.9	b 0.6	0.9	0.6	b 1.0	1.4	0.9
26	0.9	0.9	0.6	0.6	0.6	0.9	b 0.6	0.9	0.6	b 1.0	1.1	0.9
27	1.1	1.1	0.4	0.6	0.6	30	b 0.6	0.9	0.9	b 1.0	1.1	0.9
28	0.9	0.9	0.4	0.9	8.9	0.6	b 0.6	1.1	0.9	b 1.0	b 1.1	0.9
29	1.1	0.9	0.4	1.1	---	0.6	b 0.6	0.6	0.9	b 1.0	b 1.1	0.9
30	1.1	1.1	0.4	0.6	---	0.9	b 0.6	0.9	0.9	b 1.0	b 1.1	0.9
31	0.9	---	0.4	0.6	---	0.6	---	1.4	---	b 1.0	b 1.1	---

MEAN	1.23	7.74	2.54	54.8	0.90	19.9	1.47	0.84	0.66	1.02	1.19	1.12
ACRE-FOOT	75	460	156	3370	50	1230	87	51	39	62	73	67

YEAR OR PERIOD MEAN 7-90
 ACRE-FOOT 5720

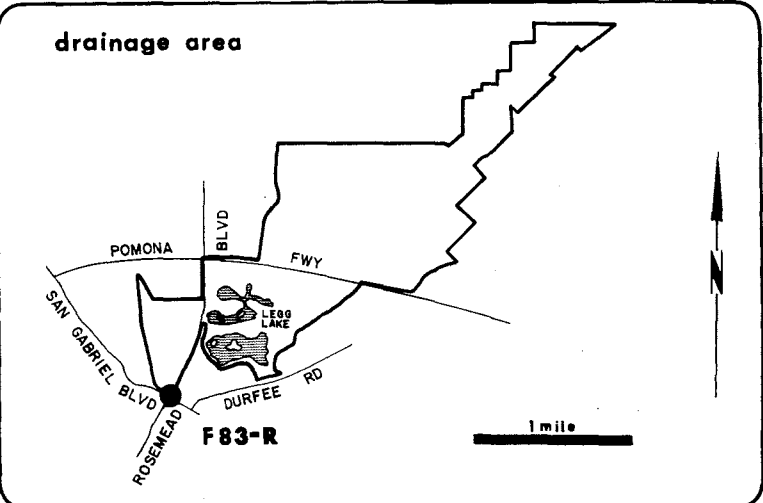
STATION DATA SUMMARY

STA. NO. FB1D-R
ALHAMBRA WASH NEAR KLINGERMAN STREET

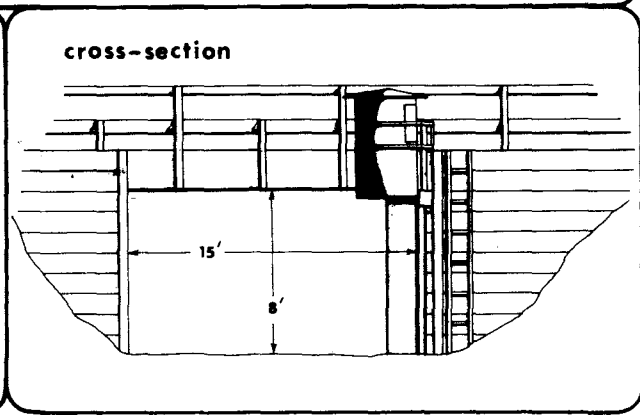
SEASON	MAX	MIN	MEAN	TOTAL	PEAK FLOW		
	DAILY CFS	DAILY CFS	DAILY CFS	RUNOFF A.F.	MON	DAY	CFS
1929-30	N.D.	0	N.D.	635	3	14	1870
1930-31	226	0	2.1	1480	2	3	1530
1931-32	220	0	2.7	1940	1	31	1120
1932-33	418	0	2.3	1680	1	19	1850
1933-34	1770	0	8.0	5820	1	1	4890
1934-35RC	219	0	3.3	2380	1	5	2280
1935-36D	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	6270	2	12	2560
1962-63	359	0.1	4.0	2880	3	16	2210
1963-64	196	0.2	4.0	2870	1	21	2210
1964-65	339	0.1	6.4	4610	4	9	3730
1965-66	686	0.3	10.7	7740	11	24	3520
1966-67	662	0.4	12.2	8820	1	22	3550
1967-68	398	0.4	6.5	4740	3	8	3480
1968-69	999	0.4	17.0	12300	2	6	3980
1969-70	486	0.3	5.3	1871	2	28	3430
1970-71	648	0.4	7.1	2601	11	29	4040
1971-72	449	0.3	2.5	3000	12	24	2000
1972-73	555	0.3	12.6	9110	2	11	4450
1973-74	813	0.3	7.9	5720	1	7	4330

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

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



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



**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 74

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	0.5	0.1	0.1	0	0	0	0	0
2	0	0	0	0	0.5	0.1	0.1	0	0	0	0	0
3	0	0	0	0	0.5	0.1	0.1	0	0	0	0	0
4	0	0	0	1.0	0.5	0.1	0.1	0	0	0	0	0
5	0	0	0	0.5	0.5	0.1	0.1	0	0	0	0	0
6	0	0	0	0.8	0.4	0.1	0.1	0	0	0	0	0
7	0	0	0	3.6	0.4	0.1	0.1	0	0	0	0	0
8	0	0	0	15	0.4	0.4	0.1	0	0	0	0	0
9	0	0	0	4.2	0.3	0.1	0.1	0	0	0	0	0
10	0	0	0	1.1	0.3	0.1	0.1	0	0	0	0	0
11	0	0	0	1.0	0.3	0.1	0.1	0	0	0	0	0
12	0	0	0	0.9	0.2	0.1	0.1	0	0	0	0	0
13	0	0	0	0.8	0.2	0.1	0.1	0	0	0	0	0
14	0	0	0	0.7	0.2	0.1	0.1	0	0	0	0	0
15	0	0	0	0.6	0.2	0.1	1.0	0	0	0	0	0
16	0	0	0	0.5	0.1	0.1	1.1	0	0	0	0	0
17	0	0	0	0.5	0.1	0.1	0.7	0	0	0	0	0
18	0	0	0	0.5	0.1	0.1	0.7	0	0	0	0	0
19	0	0	0	0.5	0.1	0.1	0.8	0	0	0	0	0
20	0	0	0	0.5	0.1	0.1	0.7	0	0	0	0	0
21	0	0	0	0.5	0.1	0.1	0.7	0	0	0	0	0
22	0	0	0	0.5	0.1	0.1	0.6	0	0	0	0	0
23	0	0	0	0.5	0.1	0.1	0.5	0	0	0	0	0
24	0	0	0	0.5	0.1	0.1	0.5	0	0	0	0	0
25	0	0	0	0.5	0.1	0.1	0.5	0	0	0	0	0
26	0	0	0	0.5	0.1	0.1	0.5	0	0	0	0	0
27	0	0	0	0.5	0.1	0.1	0.4	0	0	0	0	0
28	0	0	0	0.5	0.1	0.1	0.4	0	0	0	0	0
29	0	0	0	0.5		0.1	0.2	0	0	0	0	0
30	0	0	0	0.5		0.1	+	0	0	0	0	0
31	0		0	0.5		0.1		0		0	0	

MEAN	0	0	0	1.23	0.24	0.11	0.36	0	0	0	0	0
ACRE-FEET	0	0	0	76	13	6.7	21	0	0	0	0	0

YEAR OR PERIOD 1973 MEAN ACRE-FEET 0.16
117

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	10F
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

* = RECORD INCOMPLETE

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

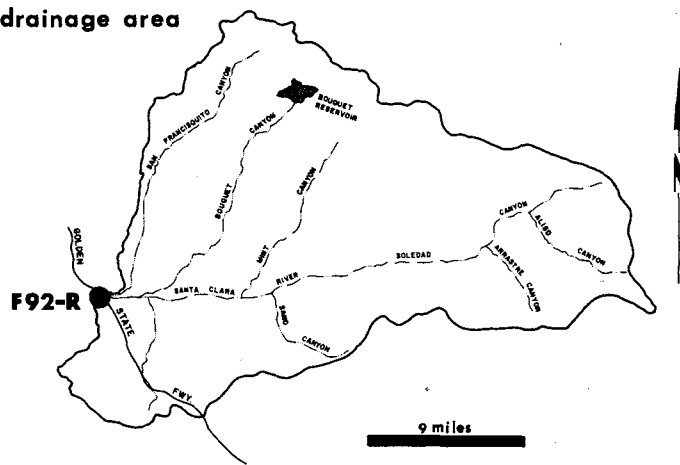
N.D. = NOT DETERMINED

F = ESTIMATE

**STATION NO. F 92 - R
SANTA CLARA RIVER
below Highway 5**

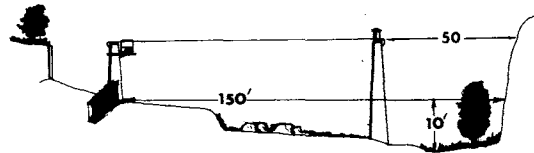


drainage area



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-FOOT OF SANTA CLARA RIVER below Highway 5 FOR THE WATER YEAR ENDING SEPTEMBER 30, 1974

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.5	5.1	4.1	1.2	3.8	2.0	3.3	4.8	3.8	4.4	9.8	8.0
2	1.5	5.5	1.5	1.4	3.6	11	5.5	4.8	3.1	5.5	10	8.0
3	1.5	4.4	1.5	1.4	3.3	6.2	3.8	4.1	4.1	4.8	10	8.0
4	2.0	4.8	1.8	4.0	3.1	2.4	3.8	3.3	4.8	5.1	11	7.5
5	3.3	5.5	2.0	31	3.3	2.0	2.8	3.8	4.4	7.2	10	7.2
6	2.0	4.8	2.3	133	3.3	2.3	1.5	5.1	4.1	3.4	9.4	7.2
7	2.5	5.5	2.8	984	3.3	19	1.8	5.1	3.8	9.4	10	6.5
8	2.5	5.1	2.0	160	3.3	159	3.3	8.9	3.1	10	11	6.5
9	2.3	4.8	2.0	3.0	2.8	8.0	2.3	8.0	2.0	9.8	9.8	7.2
10	2.0	3.8	2.0	2.8	3.1	7.2	1.5	9.8	2.3	10	0.8	6.5
11	2.0	3.6	2.5	3.3	3.3	6.5	1.5	9.8	2.8	12	0.8	6.8
12	2.0	3.6	2.8	5.1	3.6	6.5	1.0	10	2.3	14	0.8	6.8
13	2.0	4.4	3.6	4.1	3.8	6.1	1.0	11	2.5	12	11	5.8
14	1.4	4.8	3.6	2.5	3.6	5.8	1.4	13	2.8	11	12	6.1
15	2.0	5.1	2.8	2.3	3.3	5.1	2.5	12	2.8	12	0.8	5.1
16	2.5	5.5	2.8	2.0	2.8	4.4	2.8	11	3.0	12	0.4	5.8
17	3.1	4.4	3.1	2.3	2.3	4.4	3.6	10	3.3	14	8.9	6.5
18	2.8	5.1	2.8	1.8	2.5	3.8	4.4	9.6	4.1	15	9.8	7.2
19	4.1	3.1	2.8	1.5	2.8	3.8	3.6	8.7	5.1	14	10	6.8
20	2.0	5.5	3.1	2.5	2.3	3.8	3.8	7.8	6.5	12	10	5.8
21	2.0	4.8	3.1	3.1	2.0	3.8	4.1	7.0	5.1	12	10	6.1
22	2.8	14	2.5	2.8	2.0	3.8	4.8	6.1	3.3	12	8.9	6.1
23	3.1	4.8	2.3	2.8	1.5	4.1	7.5	6.5	3.6	10	8.9	7.2
24	3.1	3.3	2.3	2.3	1.5	4.1	6.8	6.8	4.1	10	7.5	6.1
25	3.1	1.4	2.3	2.5	1.8	4.1	6.8	6.5	4.8	9.4	7.5	6.5
26	3.1	2.0	2.5	2.5	2.3	4.4	5.8	5.1	4.4	9.8	7.5	6.5
27	1.8	1.8	2.5	2.3	2.3	4.4	4.4	4.4	4.8	8.4	7.5	5.5
28	1.8	1.0	2.5	2.5	2.0	4.4	5.1	4.1	3.8	8.0	7.5	3.8
29	3.1	1.8	2.5	2.5	---	4.4	5.5	3.3	3.1	8.9	7.5	2.3
30	4.8	2.0	1.4	3.0	---	3.3	4.8	3.3	3.6	9.8	9.0	3.3
31	4.8	---	1.5	3.6	---	2.2	---	3.6	---	11	7.5	---

MEAN	2.69	4.44	2.49	45.6	2.81	10.1	3.69	7.01	3.83	10.1	9.34	6.29
ACRE-FOOT	156	264	153	2810	156	619	220	431	221	619	574	374

YEAR OR PERIOD MEAN ACRE-FOOT 9.11 6600

STATION DATA SUMMARY

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

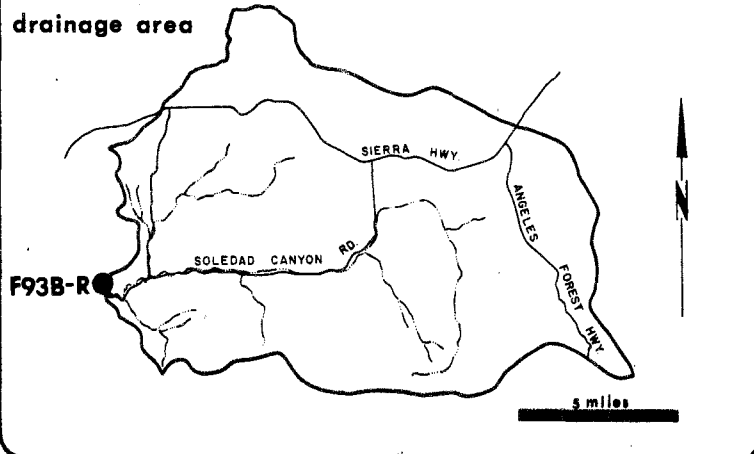
SEASON	MAX	MIN	MEAN	TOTAL	PEAK FLOW		
	DAILY CFS	DAILY CFS	DAILY CFS	RUNOFF A.F.	MON	DAY	CFS
1929-30	83	0.2	1.1	793	3	15	193
1930-31	291	0.1	2.6	1890	2	7	2310
1931-32	739	0.1	5.9	4280	2	9	2090
1932-33	90	0	0.7	488	1	19	618
1933-34	448	+	2.2	1600	1	1	3870
1934-35	82	+	1.5	1090	1	5	608
1935-36	113	0	2.2	1590	2	23	833
1936-37	471	0	6.7	4850	12	27	3410
1937-38	6370	+	37.2	26900	3	2	24000F
1938-39B	435F	+	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	33F	0.8	3.1	2270	3	24	350F
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	**	30170F	2	25	31800F
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

- ** = 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
- F = ESTIMATE

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

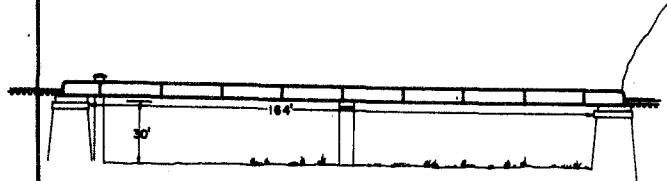


drainage area



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 F93B-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
STA. F93B-R**



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F93B-R

DAILY DISCHARGE IN SECOND-FOOT OF SANTA CLARA RIVER above Lang Station at R.R. Bridge FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 74

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.1	0.1	0.3	0.8	3.5	4.0	4.9	2.0	1.2	0.5	0.2	b +
2	0.1	0.1	0.4	0.8	3.5	5.8	4.6	2.0	1.4	0.5	0.2	b +
3	0.1	0.1	0.4	0.8	3.8	6.6	4.2	2.2	1.2	0.5	a 0.2	b +
4	0.1	0.1	0.5	1.8	4.6	5.1	3.8	2.7	1.2	0.5	a 0.2	b +
5	0.03	0.1	0.4	2.7	4.4	4.6	3.3	3.1	1.1	0.5	a 0.2	b +
6	0.03	0.1	0.5	10	4.4	4.6	2.2	3.1	1.1	0.4	a 0.2	b +
7	b 0.03	0.1	0.5	70	4.4	5.3	2.9	2.9	1.1	0.4	a 0.2	b +
8	b 0.03	0.1	0.6	57	4.2	13	2.7	2.7	0.7	0.5	a 0.2	b +
9	b 0.03	0.1	0.7	16	4.4	9.7	3.1	2.9	0.7	0.4	0.2	b +
10	b 0.03	0.1	0.8	11	4.2	9.1	3.5	3.1	0.9	0.4	0.2	b +
11	b 0.03	0.1	0.8	b 10	4.0	8.2	3.5	3.1	1.0	0.3	0.2	b +
12	0.03	0.1	0.8	b 9.6	4.0	7.4	3.1	2.7	2.3	0.3	0.2	0
13	0.03	0.1	0.9	b 9.0	4.0	b 7.2	3.1	3.8	1.0	0.2	0.2	0
14	0.03	0.05	0.8	b 8.3	4.0	b 7.1	3.5	2.5	0.9	0.2	0.2	0
15	0.03	0.05	0.8	7.6	4.0	b 6.9	3.3	1.6	0.8	0.1	0.1	0
16	0.03	0.05	0.8	6.6	4.0	b 6.8	3.1	1.6	0.8	0.1	0.1	0
17	0.03	0.05	0.7	6.9	4.2	b 6.6	3.1	1.4	0.7	0.1	.07	0
18	0.03	0.3	0.8	6.6	4.2	b 6.4	3.1	1.6	0.7	0.1	.05	0
19	0.03	0.1	0.6	6.3	4.2	b 6.3	3.1	2.2	0.7	0.1	.03	0
20	0.05	0.1	0.6	6.3	4.2	6.1	2.7	2.2	0.6	0.1	.03	0
21	0.05	0.2	0.7	6.3	4.0	5.8	2.9	2.2	0.5	0.1	.03	0
22	0.1	0.2	0.8	6.1	4.0	5.8	2.9	2.0	0.5	0.2	b +	0
23	0.1	0.2	0.9	6.1	4.2	5.8	2.7	1.6	0.4	0.3	b +	0
24	0.1	0.2	1.0	5.8	4.2	5.6	2.9	1.6	0.4	0.3	b +	0
25	0.05	0.1	0.9	5.6	4.4	5.3	3.1	1.4	0.4	0.3	b +	0
26	0.05	0.1	1.0	5.3	4.0	5.3	3.3	1.4	0.4	0.3	b +	0
27	0.05	0.2	0.9	5.1	4.0	5.6	3.3	1.2	0.5	0.2	b +	0
28	0.05	0.2	0.8	4.9	4.2	5.3	2.9	1.1	0.5	0.2	b +	0
29	0.05	0.2	0.8	4.6	---	5.1	3.7	1.0	0.5	0.2	b +	0
30	0.1	0.2	0.8	4.4	---	5.1	2.2	1.0	0.5	0.1	b +	0
31	0.1	---	0.8	4.4	---	4.9	---	1.0	---	0.1	b +	---

MEAN	0.06	0.13	0.71	9.9	4.1	6.3	3.19	2.1	0.82	0.27	.10	+
ACRE-FOOT	3.4	7.5	44	608	228	390	190	129	49	17	6.4	+

YEAR OR PERIOD MEAN ACRE-FOOT 2.31 1,670

STATION DATA SUMMARY

STA. NO. F93B-R

SANTA CLARA RIVER AT LANG RAILROAD BRIDGE

SEASON	MAX	MIN	MEAN	TOTAL	PEAK FLOW		CFS
	DAILY CFS	DAILY CFS	DAILY CFS	RUNOFF A.F.	MON	DAY	
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 F
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	5900F
1969-70	60	0.1	5.3	3860	3	1	200 F
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

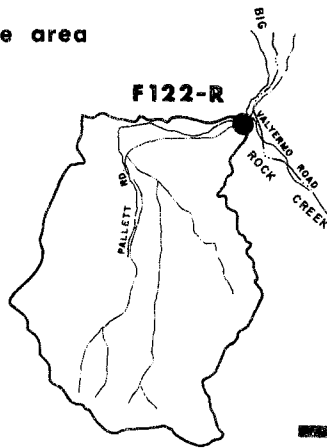
R = RECORD BEGAN AT R LOCATION 04-03-70.

F = ESTIMATE

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

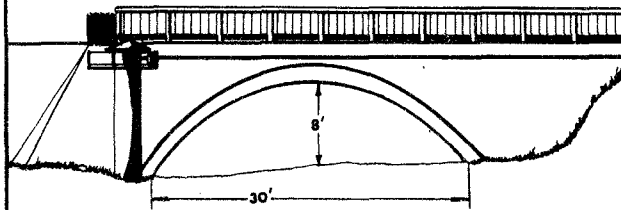


drainage area



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-FOOT OF PALLETT CREEK at Valyermo Highway FOR THE WATER YEAR ENDING SEPTEMBER 30, 1974

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.4	0.2	0.4	0.5	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2
2	0.5	0.3	0.4	0.5	0.4	0.4	0.5	0.2	0.2	0.4	0.2	0.2
3	0.5	0.2	0.4	0.5	0.4	0.4	0.5	0.2	0.2	0.3	0.1	0.2
4	0.6	0.3	0.3	0.5	0.4	0.5	0.4	0.2	0.2	0.3	0.2	0.2
5	0.6	0.2	0.4	0.5	0.4	0.4	0.4	0.2	0.2	0.2	0.1	0.2
6	0.5	0.3	0.4	0.5	0.4	0.4	0.4	0.2	0.2	0.2	0.1	0.3
7	0.5	0.2	0.4	0.4	0.4	0.3	0.4	0.1	0.2	0.1	0.1	0.2
8	0.5	0.3	0.5	0.4	0.4	0.3	0.3	0.1	0.2	0.1	0.1	0.3
9	0.5	0.3	0.5	0.4	0.4	0.3	0.3	0.1	0.2	0.1	0.1	0.2
10	0.5	0.3	0.5	0.4	0.4	0.2	0.3	0.1	0.1	0.2	0.1	0.2
11	0.4	0.3	0.5	0.4	0.4	0.2	0.3	0.2	0.1	0.2	0.1	0.1
12	0.4	0.4	0.5	0.3	0.4	0.2	0.3	0.2	0.1	0.2	0.1	0.1
13	0.4	0.4	0.5	0.3	0.4	0.2	0.3	0.2	0.1	0.2	0.1	0.1
14	0.3	0.4	0.5	0.3	0.4	0.2	0.3	0.2	0.1	0.1	0.2	0.1
15	0.3	0.4	0.5	0.4	0.4	0.2	0.3	0.2	0.1	0.1	0.1	0.1
16	0.2	0.4	0.4	0.4	0.4	0.2	0.3	0.2	0.1	0.2	0.2	0.1
17	0.4	0.4	0.4	0.4	0.4	0.2	0.3	0.2	0.1	0.2	0.2	0.1
18	0.4	0.3	0.4	0.4	0.4	0.2	0.3	0.2	0.1	0.1	0.1	0.1
19	0.5	0.3	0.4	0.4	0.4	0.2	0.3	0.2	0.1	0.1	0.1	0.1
20	0.5	0.3	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.2	0.1
21	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1
22	0.6	0.4	0.5	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1
23	0.6	0.5	0.6	0.4	0.3	0.3	0.3	0.1	0.3	0.1	0.1	0.1
24	0.5	0.6	0.6	0.4	0.4	0.3	0.3	0.1	0.2	0.2	0.1	0.2
25	0.5	0.5	0.6	0.4	0.4	0.3	0.3	0.1	0.2	0.1	0.1	0.2
26	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.1	0.2	0.2	0.1	0.3
27	0.4	0.4	0.5	0.4	0.4	0.3	0.3	0.1	0.3	0.2	0.1	0.3
28	0.4	0.4	0.5	0.4	0.4	0.3	0.3	0.1	0.2	0.2	0.1	0.5
29	0.3	0.4	0.5	0.4	---	0.4	0.3	0.2	0.2	0.2	0.1	0.1
30	0.3	0.4	0.5	0.4	---	0.4	0.3	0.2	0.2	0.2	0.2	0.1
31	0.3	---	0.5	0.4	---	0.4	---	0.2	---	0.2	0.2	---

MEAN	0.45	0.36	0.46	0.41	0.39	0.30	0.33	0.17	0.17	0.17	0.13	0.17
ACRE-FOOT	28	21	29	25	22	19	20	10	10	11	7.9	10

YEAR OR PERIOD MEAN ACRE-FOOT 0.3 213

STATION DATA SUMMARY

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

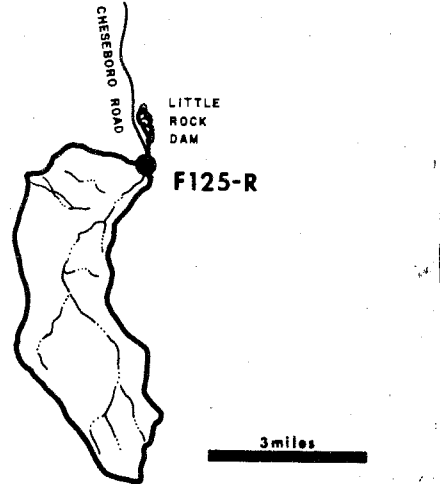
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW		
					MON	DAY	CFS
1961-62	92	0	0.4	311	2	11	259
1962-63	0.7	0	0.3	190	2	9	3.0
1963-64	0	0	0	0			
1964-65	0.3	0	+	0.6	8	12	16
1965-66	53	0	1.5	1110	12	29	176
1966-67	3.8	0.3	0.8	618	12	6	6.6
1967-68	5.0	0.3	0.8	615	11	21	9.6
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

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

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

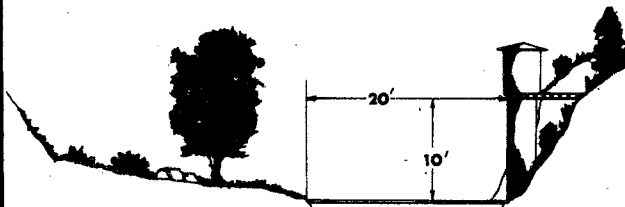


drainage area



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, 1974

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	0.4	0.3	0.5	0.1	0	0	0	0
2	0	0	0	0	0.3	1.3	0.6	0.1	0	0	0	0
3	0	0	0	0	0.3	1.2	0.5	0.1	0	0	0	0
4	0	0	0	0	0.2	0.9	0.5	0.1	0	0	0	0
5	0	0	0	0	0.2	0.9	0.5	0.2	0	0	0.3	0
6	0	0	0	0	0.2	0.8	0.4	0.2	0	0	0	0
7	0	0	0	0	0.1	0.9	0.4	+	0	0	0	0
8	0	0	0	0	0.2	2.0	0.4	+	0	0	0	0
9	0	0	0	0	0.2	1.6	0.4	+	0	0	0	0
10	0	0	0	0	0.2	1.7	0.3	+	0	0	0	0
11	0	0	0	0	0.1	1.8	0.3	+	0	0	0	0
12	0	0	0	0	0.1	1.7	0.3	0	0	0	0	0
13	0	0	0	0	0.2	1.7	0.3	0	0	0	0	0
14	0	0	0	0	0.1	1.7	0.2	0	0	0	0	0
15	0	0	0	0	0.1	1.7	0.2	0	0	0	0	0
16	0	0	0	0	0.1	1.8	0.2	0	0	0	0	0
17	0	0	0	4.3	0.1	1.7	0.2	+	0	0	0	0
18	0	0	0	2.8	0.1	1.6	0.2	+	0	0	0	0
19	0	0	0	2.2	0.1	1.5	0.2	+	0	0	0	0
20	0	0	0	1.9	0.1	1.3	0.2	+	0	0	0	0
21	0	0	0	1.5	0.1	1.3	0.2	+	0	0	0	0
22	0	0	0	1.2	0.2	1.1	0.2	0	0	0	0	0
23	0	0	0	1.0	0.1	1.1	0.2	0	0	0	0	0
24	0	0	0	0.9	0.1	0.9	0.2	0	0	0	0	0
25	0	0	0	0.8	0.2	0.9	0.2	0	0	0	0	0
26	0	0	0	0.8	0.2	0.8	0.2	0	0	0	0	0
27	0	0	0	0.6	0.2	0.8	0.2	0	0	0	0	0
28	0	0	0	0.6	0.2	0.7	0.2	0	0	0	0	0
29	0	0	0	0.6	---	0.7	0.2	0	0	0	0	0
30	0	0	0	0.5		0.7	0.2	0	0	0	0	0
31	0	0	0	0.4		0.7		0	0	0	0	0

MEAN	0	0	0	0.65	0.17	1.22	0.29	0.03	0	0	0.01	0
ACRE- FEET	0	0	0	39.9	9.7	75.	17.	1.6	0	0	0.6	0

YEAR OR PERIOD MEAN ACRE-FEET 0.20 144

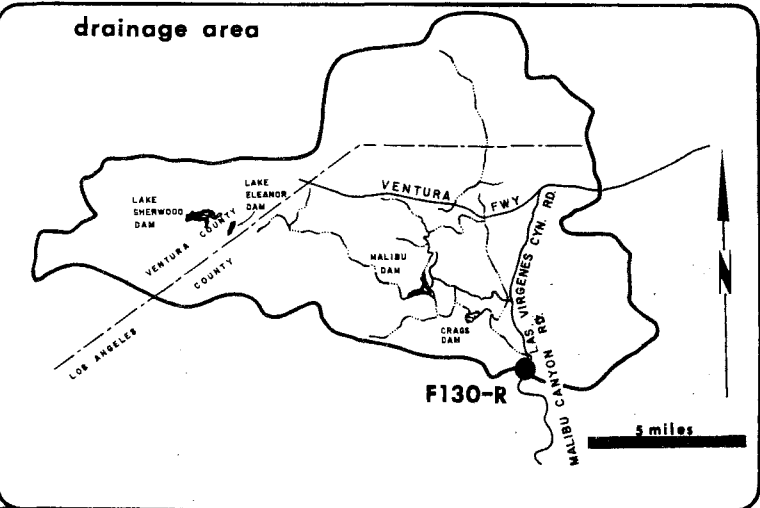
STATION DATA SUMMARY

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

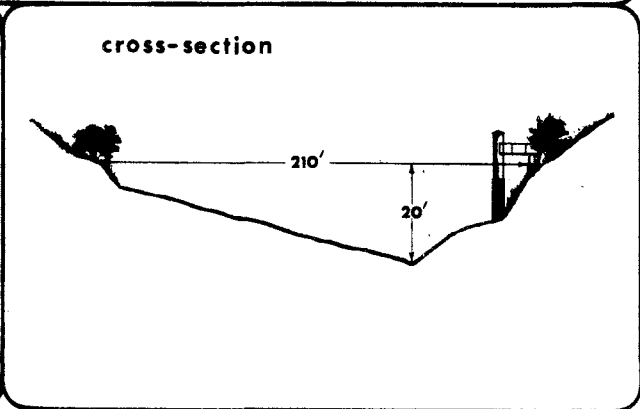
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW		
					MON	DAY	CFS
1953-54	24	0	0.9	631	1	25	44
1954-55	13	0	0.8	602	2	17	16
1955-56	41	0	0.6	406	1	26	87
1956-57	6.8	0	0.3	199	1	13	15
1957-58	58	0	3.2	2280	4	3	107
1958-59	10	0	0.5	386	2	16	21
1959-60	1.3	0	0.1	75	2	2	1.6
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

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

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



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



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F130-R

DAILY DISCHARGE IN SECOND-FOOT OF MALIBU CREEK below Cold Creek FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 74

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	3.3	2.9	5.3	6.8	21	17	18	7.7	5.8	3.8	3.8	3.8
2	3.8	2.9	35	5.6	20	85	17	8.6	7.7	3.8	4.0	3.8
3	3.8	3.6	12	8.3	18	64	18	7.7	6.6	3.8	3.1	4.4
4	4.2	3.6	8.3	185	17	37	16	8.0	7.7	5.6	3.6	3.3
5	3.6	3.3	6.8	100	16	25	12	7.4	6.1	5.8	3.8	3.6
6	3.6	3.3	5.8	222	17	18	10	7.1	7.4	4.8	3.6	3.8
7	4.0	4.0	5.8	2240	18	28	9.9	8.3	5.4	4.6	3.8	4.2
8	3.3	3.8	5.8	1030	16	138	9.3	11	6.4	3.3	4.2	3.8
9	3.1	3.6	5.6	250	16	69	10	9.6	6.6	3.3	4.4	3.8
10	3.8	3.3	4.8	147	14	44	13	9.3	5.4	3.1	4.0	3.1
11	3.3	3.1	5.4	85	14	39	9.9	9.3	5.1	3.6	3.8	3.3
12	3.3	3.1	6.1	70	15	33	9.3	9.0	5.1	3.3	3.8	3.8
13	3.3	3.3	5.6	66	17	29	9.6	7.7	5.8	3.6	3.8	3.3
14	3.3	2.9	5.8	53	17	25	10	7.7	5.1	4.0	3.3	3.8
15	3.3	3.1	6.8	27	16	24	9.0	7.4	5.6	4.4	3.3	3.3
16	3.3	3.3	6.1	42	15	18	9.0	5.8	5.1	3.6	3.6	3.1
17	3.1	7.3	5.6	60	15	16	7.7	6.6	5.1	3.1	3.8	3.1
18	2.9	20	5.8	53	14	15	7.1	6.8	4.6	3.1	3.6	3.8
19	3.8	7.1	5.8	46	14	14	7.7	6.8	4.0	3.1	3.1	3.8
20	3.6	5.1	5.8	43	29	14	8.0	6.8	3.6	2.7	3.3	4.2
21	3.6	4.8	7.1	43	12	14	7.7	6.6	6.1	2.7	2.9	3.8
22	3.3	11	10	40	11	15	8.0	7.1	4.6	2.7	4.0	3.8
23	3.6	16	6.6	32	12	15	8.3	6.8	4.4	3.8	4.2	4.2
24	4.2	6.8	6.6	19	12	14	9.3	5.8	5.1	2.9	4.0	4.2
25	3.6	6.6	6.6	26	12	14	9.3	5.6	4.8	3.1	3.8	4.8
26	3.8	5.6	6.8	26	12	14	9.6	6.8	4.6	3.3	3.8	5.1
27	3.6	5.4	6.8	25	12	30	9.0	5.1	4.2	3.6	3.8	5.1
28	3.1	5.4	6.1	23	14	34	7.7	4.8	4.2	4.0	3.1	4.6
29	2.9	5.4	6.4	22	--	20	7.4	5.1	4.8	4.2	3.3	4.8
30	2.9	5.6	6.6	22	--	21	7.7	5.8	5.1	3.6	3.8	4.6
31	3.1		6.1	22		23		6.6		3.6	3.3	

MEAN	3.46	5.51	8.95	163	15.2	31.2	10.2	7.28	5.40	3.67	3.67	3.94
ACRE-FOOT	213	328	550	10000	426	1920	604	448	322	226	226	234

YEAR OR PERIOD MEAN ACRE-FOOT 22.0 15,910

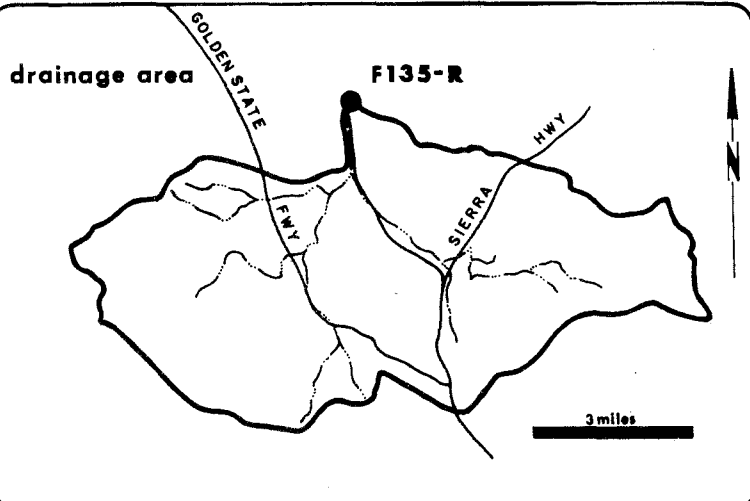
STATION DATA SUMMARY

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

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

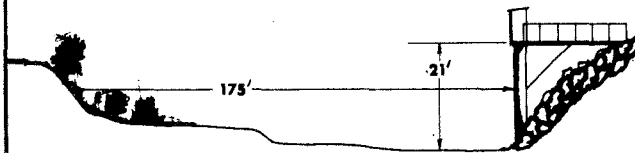
* = RECORD INCOMPLETE
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.
N.D. = NOT DETERMINED
E = ESTIMATE

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



RECORDER - continuous water stage
 METHOD OF MEASUREMENTS - wading or from cable car
 DRAINAGE AREA - 40.9 square miles
 LOCATION - upstream side of Magic Mountain Parkway
 800.0 feet west of San Fernando Road, Saugus
 REGULATION - none
 CHANNEL - natural, sand, and gravel
 CONTROL - grouted rubble control under railroad bridge
 LENGTH OF RECORD - September 9, 1947 to date
 REMARKS - for measurements prior to September 9, 1947,
 see Station F 135-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 74

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	3.7	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	8.3	0	0	0	0	0	0
3	0	0	0	0	0	5.2	0	0	0	0	0	0
4	0	0	0	30	0	0	0	0	0	0	0	0
5	0	0	0	11	0	0	0	0	0	0	0	0
6	0	0	0	110	0	0	0	0	0	0	0	0
7	0	0	0	626	0	53	0	0	0	0	0	0
8	0	0	0	78	0	141	0	0	0	0	0	0
9	0	0	0	0.8	0	2.5	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	0.7	0	0	0	0	0	0	0	0
18	0	1.2	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	8.2	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	---	0	0	0	0	0	0	0
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	0	0	0	---	0	0	0	0	0	0	0

MEAN	0	0.31	0.12	28	0	6.8	0	0	0	0	0	0
ACRE- FEET	0	19	7.4	1700	0	416	0	0	0	0	0	0

YEAR OR PERIOD _____ MEAN _____ 2.96
 ACRE- FEET _____ 2140

STATION DATA SUMMARY

STA. NO. F135-R

SANTA CLARA RIVER - SOUTH FORK AT MAGIC MOUNTAIN PARKWAY

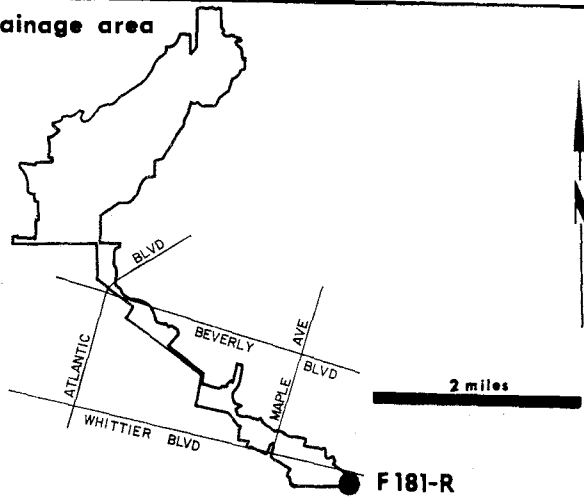
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW		
					MON	DAY	CFS
1947-48	19	0	0.1	84	3	24	82
1948-49	8.6	0	0.1	94	12	26	37
1949-50	12	0	0.1	101	1	8	71
1950-51	0.2	0	+	0.6	4	29	6.3
1951-52	1410	0	16.7	12100	1	15	6800
1952-53	71	0	0.5	390	12	1	1050
1953-54	129	0	1.4	1000	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

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

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

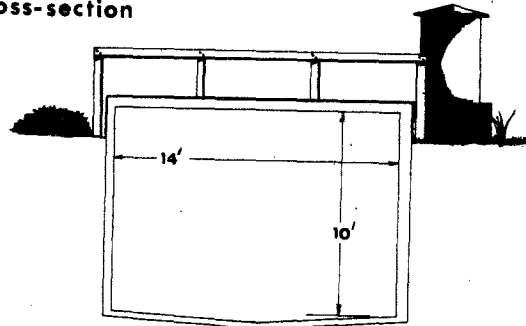


drainage area



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-FOOT OF Montebello Storm Drain above Rio Hondo FOR THE WATER YEAR ENDING SEPTEMBER 30, 1934

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	c 0.1	c 0.1	0.3	1.7	0.01	0.1	0.1	0.2	0.2	0.2	0.4	0.2
2	c 0.1	c 0.2	0.3	0.01	0.01	2.6	3.9	0.1	0.1	0.3	0.4	0.2
3	c 0.1	c 0.1	1.0	0.01	0.01	7.6	0.01	0.2	0.2	0.3	0.4	0.2
4	c 0.1	c 0.1	0.5	60	0.01	0.01	0.01	0.2	0.1	0.3	0.3	0.3
5	c 0.1	c 0.1	0.5	11.6	0.01	0.01	0.1	0.3	0.02	0.2	0.3	0.3
6	c 0.1	c 0.1	0.3	52	0.01	0.01	0.01	0.3	0.3	0.2	0.3	0.2
7	c 0.1	c 0.2	0.01	128	0.01	30	0.01	0.1	0.1	0.2	0.4	0.2
8	c 0.1	c 0.2	0.1	11.5	0.01	32	0.01	0.2	0.1	0.2	0.4	0.2
9	c 0.1	c 0.2	0.02	1.2	0.02	0.1	0.01	0.02	0.1	0.3	0.4	0.2
10	c 0.1	c 0.1	0.01	0.1	0.01	0.01	0.01	0.1	0.2	0.3	0.4	0.2
11	c 0.1	c 0.1	0.1	0.02	0.01	0.01	0.02	0.2	0.2	0.3	0.3	0.1
12	c 0.1	c 0.1	0.1	0.02	0.01	0.02	0.1	0.1	0.2	0.4	0.3	0.2
13	c 0.1	c 0.1	0.01	0.02	0.2	0.01	0.1	0.2	0.2	0.4	0.3	0.2
14	c 0.1	c 0.1	0.01	0.02	0.2	0.01	0.1	0.1	0.2	0.3	0.3	0.2
15	c 0.1	c 0.1	0.02	0.02	0.1	0.01	0.1	0.2	0.2	0.4	0.3	0.2
16	c 0.1	c 3.0	0.02	0.9	0.2	0.01	0.1	0.1	0.1	0.4	0.3	0.1
17	c 0.1	c 10.5	0.02	6.3	0.1	0.01	0.1	0.1	0.1	0.4	0.3	0.1
18	c 0.1	12.3	0.02	0.1	0.01	0.01	0.02	0.1	0.1	0.3	0.3	0.1
19	c 0.1	1.0	0.02	0.02	0.2	0.01	0.1	0.1	0.2	0.4	0.2	0.1
20	c 0.1	0.5	0.1	4.5	0.02	0.02	0.1	0.1	0.2	0.4	0.1	0.1
21	c 0.1	1.2	0.1	0.1	0.01	0.01	0.02	0.1	0.3	0.4	0.1	0.2
22	c 0.1	21	5.7	0.01	0.02	0.01	0.02	0.1	0.3	1.3	0.2	0.1
23	c 2.0	0.3	0.01	0.01	0.02	0.01	0.02	0.1	0.1	0.4	0.2	0.4
24	c 0.5	+	0.01	0.1	0.01	0.01	0.02	0.2	0.3	0.4	0.1	0.1
25	c 0.4	0.3	0.01	0.01	0.02	0.02	0.1	0.1	0.2	0.4	0.1	0.1
26	c 0.3	0.4	0.02	0.01	0.01	0.1	0.1	0.1	0.3	0.3	0.2	0.2
27	c 0.2	0.4	0.01	0.01	0.01	5.4	0.2	0.1	0.2	0.3	0.1	0.2
28	c 0.1	1.0	0.01	0.01	2.6	0.02	0.2	0.1	0.3	0.3	0.2	0.2
29	c 0.1	0.4	0.01	0.01	----	0.2	0.2	0.1	0.3	0.3	0.1	0.2
30	c 0.1	0.4	0.01	0.01	----	0.2	0.2	0.1	0.2	0.3	0.2	0.2
31	c 0.1	----	0.01	0.01	----	0.01	----	0.1	----	0.4	0.2	----

MEAN	0.19	1.82	0.50	8.98	0.14	3.29	0.20	0.14	0.19	0.35	0.26	0.18
ACRE-FOOT	12	108	30	550	7.6	200	12	8.4	11	22	16	11

YEAR OR PERIOD _____ MEAN 1.37
 ACRE-FOOT 988

STATION DATA SUMMARY

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

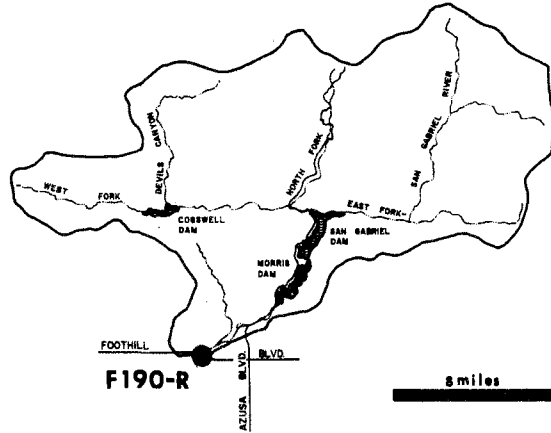
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW		
					MON	DAY	CFS
1931-32	*	0	*	1120*	1	31	531
1932-33	125	0	0.8	529	1	19	713
1933-34	391	0	2.6	1910	1	1	1360
1934-35	114	0	2.3	1650	1	5	1140
1935-36	55	0	1.2	889	2	14	374
1936-37	NO RECORD						
1937-38	N.D.	N.D.	N.D.	N.D.	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 F	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	1600E
1969-70	135	+	2.4	1740	2	10	792
1970-71	169	+	2.8	2000	11	29	833
1971-72	142	0.2	1.6	1160	12	24	637
1972-73	140	0.1	3.8	2740	2	27	811
1973-74	128	+	1.4	988	1	7	546

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

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

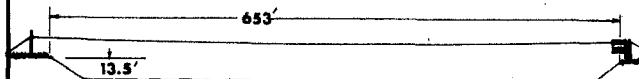


drainage area



RECORDER - continuous water stage
 METHOD OF MEASUREMENTS - wading or from cable car
 DRAINAGE AREA - 230.0 square miles
 LOCATION - downstream side of Foothill Boulevard bridge, 2.0 miles west of Azusa
 REGULATION - partially regulated by Cogswell, San Gabriel, and Morris Dams
 CHANNEL - sand, gravel and rock, trapezoidal section with soft bottom
 CONTROL - gunited rock stabilizers
 LENGTH OF RECORD - February 22, 1932, to date
 REMARKS - flows may include imported water originating at the Metropolitan Water District outlet below Morris Dam.

cross-section



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F190-R

DAILY DISCHARGE IN SECOND-FOOT OF **SAN GABRIEL RIVER at Foothill Blvd.** FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 74

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	1.8	0.2	132	21	15	a 4.5	115	1.7	0	0
2	0	0	1.5	0	40	20	21	a 4.5	115	75	0	0
3	0	0	1.4	0	34	24	14	a 4.0	115	107	0	0
4	0	0	2.2	17	31	9.9	12	a 4.0	120	111	0	0
5	0	0	2.2	18	29	6.7	11	a 4.0	120	111	19	0
6	0	0	2.2	88	29	7.3	10	a 3.5	120	111	168	0
7	0	7.8	2.2	374	28	16	10	a 3.5	120	111	185	0
8	0	59	2.2	248	33	105	84	a 3.5	120	111	190	0
9	0	71	2.2	163	36	40	218	3.2	111	115	196	0
10	0	78	1.8	241	36	29	226	3.2	111	115	196	0
11	0	78	1.7	226	36	21	234	3.2	111	115	196	0
12	0	78	1.4	234	36	22	234	3.2	111	115	173	0
13	0	81	1.2	226	36	22	226	2.9	111	111	120	0
14	0	78	1.2	234	36	24	226	2.9	111	111	115	0
15	0	84	1.0	241	36	22	226	3.2	111	115	115	0
16	0	84	0.8	248	34	18	226	3.2	111	73	115	0
17	0	88	0.7	291	36	17	226	2.5	107	3.6	115	0
18	0	117	0.8	331	36	16	226	3.2	107	2.5	115	0
19	0	102	1.1	301	36	14	226	4.9	69	1.2	115	0
20	0	152	0.5	321	38	16	226	5.7	5.4	1.0	79	0
21	0	171	0.4	311	38	16	226	5.9	5.0	0.6	5.0	0
22	0	4.5	0.4	301	36	16	131	5.9	4.7	1.0	2.2	0
23	0	2.4	0.3	301	34	16	13	62	4.3	1.1	1.7	0
24	0	1.1	0.2	291	34	14	9.2	62	4.0	0.4	1.1	+
25	0	1.2	0.2	291	31	14	8.6	62	3.6	0.7	0.5	0
26	0	1.1	0.2	301	29	15	7.3	62	2.9	0.5	0.2	0
27	0	a 20	+	301	29	16	6.7	64	2.9	0	0.2	0
28	0	a 60	0	301	31	15	6.0	67	2.2	0	0	0
29	0	1.4	0	301		15	5.0	67	1.8	0	0	0
30	0	1.1	0	301		14	4.7	87	1.8	0	0.6	0
31	0		0	272		14		120		0	0.1	

MEAN	0	47.4	1.03	228	37.5	20.5	110	31.2	71.8	52.3	71.7	+
ACRE-FOOT	0	2820	63	14030	2080	1260	6570	1920	4270	3220	4410	+

YEAR OR PERIOD MEAN ACRE-FOOT 56.2 40640

STATION DATA SUMMARY

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

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

* = RECORD INCOMPLETE

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

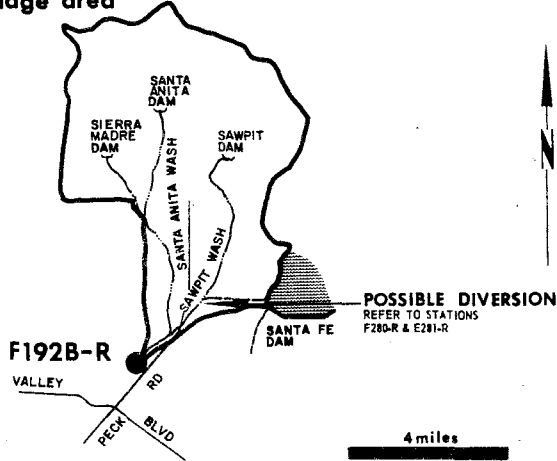
N.D. = NOT DETERMINED

E = ESTIMATE

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

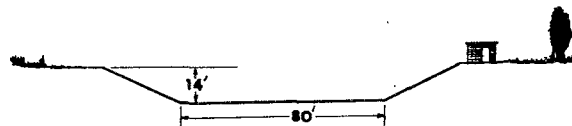


drainage area



RECORDER - continuous water stage
 METHOD OF MEASUREMENTS - wading
 DRAINAGE AREA - 40.9 square miles (excludes area above Santa Fe Dam)
 LOCATION - 300.0 feet downstream from Lower Azusa Road, 1.5 miles north of El Mante
 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, 1974

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	+	+	3.6	0.3	8.2	+	0.9	6.9	+	+	0.2	0.2
2	+	+	0.1	+	0.1	8.9	2.8	3.9	+	0.1	0.2	0.1
3	+	0.3	0.1	+	0.1	7.8	+	2.7	+	+	0.3	+
4	+	+	0.2	3.4	+	0.1	+	1.2	+	0.2	0.2	+
5	0	+	0.1	5.7	+	0.1	+	0.2	+	0.2	0.2	+
6	+	+	+	31	+	0.1	0.1	+	+	0.1	0.2	0.1
7	+	+	+	61	0	17.7	+	+	0.1	0.1	0.1	0.1
8	+	+	+	6.5	6.6	17.6	0.1	+	+	0.1	0.3	0.1
9	0	+	+	0.6	9.1	8.4	+	+	0.1	0.1	0.2	0.1
10	0	0.1	+	0.3	4.6	0.4	+	+	+	0.2	0.2	0.1
11	+	0.1	+	0.2	3.1	0.3	+	+	0.8	0.1	0.1	0.1
12	+	0.1	+	0.1	1.9	0.3	+	+	2.7	0.1	0.2	0.1
13	+	0.1	+	0.1	0.6	0.3	+	+	3.9	0.3	0.3	0.1
14	+	0.1	0.3	67	0.1	0.3	+	+	1.6	0.3	0.2	0.1
15	+	0.1	0.1	86	+	0.2	1.8	+	2.7	0.1	0.2	0.2
16	0	+	0.1	61	+	0.3	42	+	+	0.1	0.2	0.1
17	+	3.5	0.1	51	+	0.2	95	+	+	0.1	0.1	0.1
18	+	6.5	0.1	38	+	0.2	120	+	+	0.1	0.1	0.1
19	+	+	0.1	31	+	0.2	126	+	+	0.1	0.1	0.1
20	+	+	+	31	+	0.2	132	0.1	+	0.1	0.1	+
21	+	0.2	0.1	89	+	0.2	144	0.1	+	0.1	0.1	+
22	+	11.1	0.8	24	+	0.1	58	0.1	+	0.3	0.2	0.1
23	1.6	0.6	0.1	22	+	0.1	0.3	0.1	+	0.3	0.2	0.1
24	+	0.1	0.1	17.8	+	0.1	0.4	0.1	+	0.2	0.1	0.1
25	+	0.1	+	15.9	+	0.1	71	0.1	0.1	0.2	0.2	0.1
26	0	+	+	15.9	+	0.2	90	+	+	0.2	0.2	0.1
27	+	+	+	14.8	+	2.3	57	+	0.1	0.3	0.2	0.1
28	+	+	0.1	13.6	1.2	0.2	33	+	0.1	0.4	0.2	0.2
29	+	0.1	0.1	13.6	+	0.1	19.7	+	0.1	0.3	0.2	0.2
30	+	0.1	0.1	13.6	+	0.1	12.5	+	0.1	0.3	0.2	0.1
31	+	+	0.1	13.6	+	+	+	+	+	0.2	0.2	+

MEAN	0.05	0.77	0.21	22.5	1.27	1.91	33.6	0.50	0.41	0.17	0.18	0.10
ACRE-FOOT	3.2	46	13	1390	71	117	2000	31	25	11	11	5.8

YEAR OR PERIOD MEAN ACRE-FOOT 5.13
 3720

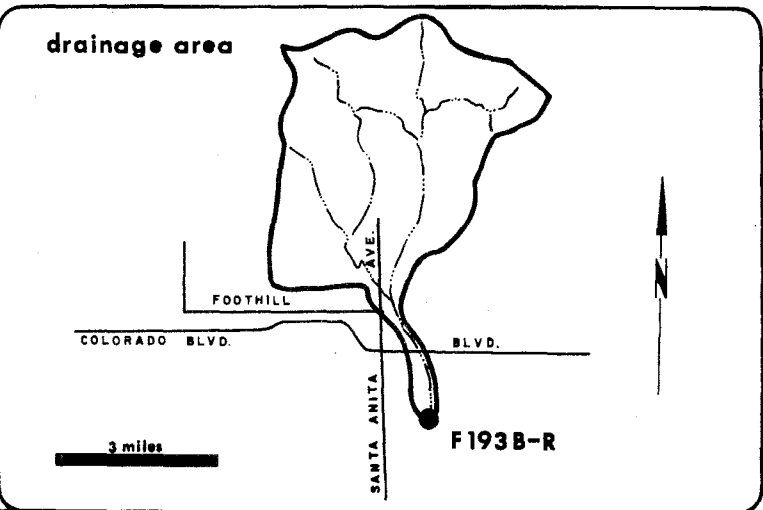
STATION DATA SUMMARY

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

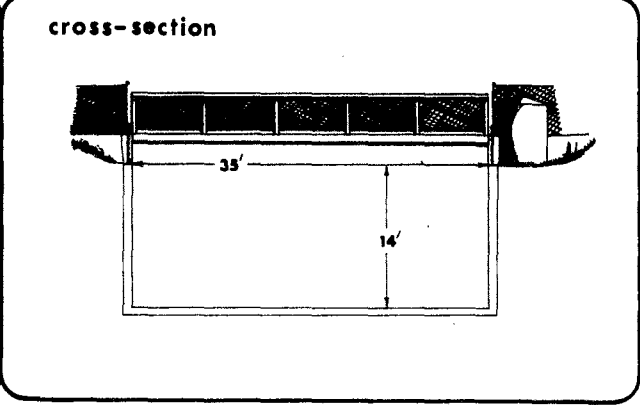
SEASON	MAX	MIN	MEAN	TOTAL	PEAK FLOW		CFS
	DAILY	DAILY	DAILY	RUNOFF	MON	DAY	
	CFS	CFS	CFS	A.F.			
1931-32	*	0	*	12710*			N.D.
1932-33	937	0	5.2	3800	1	20	5160
1933-34	2700	0	11.2	8110	1	1	5860
1934-35	324	0	11.3	8160	4	8	604
1935-36	114	0	4.7	3400	2	11	391
1936-37	904	0	38.6	27960	2	20	1030E
1937-38	10500	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	9770	2	27	2390
1973-74	144	0	5.1	3720	1	7	196

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

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



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



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F193B-R

DAILY DISCHARGE IN SECOND-FOOT OF SANTA ANITA WASH at Longden Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 1974

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.1	0.3	16.7	14.4	0.7	0.2	2.1	0.1	0.1	0.3	0.1	0.1
2	0.1	0.2	2.0	0.1	0.7	12.4	11.9	0.3	0.1	0.3	0.7	0.2
3	0.1	0.2	0.3	0.1	0.7	16.8	0.2	0.2	0.1	0.3	1.4	0.2
4	0.1	0.2	0.3	67	0.7	0.1	0.1	0.2	0.1	0.2	0.1	0.1
5	0.1	0.2	0.3	16.7	0.7	0.1	0.1	0.3	0.1	0.3	0.1	0.1
6	0.1	0.2	0.1	64	0.3	6.1	0.1	0.2	0.1	0.3	0.2	0.1
7	0.1	0.2	0.1	156	0.7	38	0.1	+	0.2	0.3	0.2	0.2
8	0.1	0.2	0.1	158	0.7	51	0.1	0.1	0.1	0.3	0.2	0.2
9	0.1	0.2	0.2	45	1.0	0.1	0.1	0.1	0.1	0.7	0.2	0.3
10	0.1	0.3	0.1	21	1.0	+	0.1	0.1	0.1	0.1	0.1	0.2
11	0.1	0.2	0.1	29	1.0	0.1	0.2	0.1	0.1	0.1	0.1	0.2
12	0.1	0.3	0.1	31	1.0	1.0	0.2	0.1	0.2	0.2	0.1	0.2
13	0.1	0.3	0.1	29	1.0	1.4	0.2	0.1	0.2	0.2	0.1	0.1
14	0.1	0.2	0.7	17.2	1.0	1.4	0.1	0.1	0.2	0.2	0.1	0.2
15	0.1	0.2	0.1	4.6	1.0	1.4	0.2	0.3	0.1	0.1	0.1	0.2
16	0.1	0.3	0.1	6.8	1.0	1.0	0.7	0.1	0.1	0.2	0.1	0.3
17	0.1	18.6	0.2	10.0	0.7	1.4	0.7	+	0.2	0.2	0.1	0.3
18	0.1	12.5	0.1	5.7	0.7	1.4	1.0	+	0.1	0.2	0.1	0.2
19	0.1	0.5	0.1	4.6	1.0	1.4	0.3	+	0.1	0.2	0.2	0.2
20	0.1	0.1	0.1	17.2	1.0	1.4	0.2	+	0.1	0.1	0.2	0.3
21	0.1	1.0	0.2	6.8	1.0	1.4	0.2	0.1	0.2	0.1	0.2	0.3
22	0.1	17.8	6.1	5.7	0.7	0.7	0.2	0.1	0.7	0.2	0.2	0.2
23	1.4	3.6	0.1	2.5	0.2	0.3	0.1	0.1	0.3	0.3	0.2	0.2
24	0.3	0.7	0.2	3.6	0.1	0.3	0.1	0.1	0.3	0.2	0.1	0.3
25	0.3	0.3	0.1	3.6	0.1	0.7	0.1	0.2	0.1	0.1	0.1	0.3
26	0.2	0.3	0.1	2.0	0.1	1.4	0.1	6.1	0.2	0.1	0.1	0.3
27	0.1	0.3	0.1	2.0	0.1	9.6	0.2	0.1	1.0	0.1	0.3	0.3
28	0.1	0.3	0.1	5.7	1.8	1.0	0.1	0.1	0.2	0.2	0.2	0.2
29	0.1	1.0	0.1	3.6		0.7	0.7	0.1	0.2	0.2	0.2	0.2
30	0.2	1.0	0.1	1.4		0.3	1.4	0.2	0.2	0.2	0.1	0.3
31	0.7		0.1	0.7		0.2		0.1		0.1	0.2	

MEAN	0.18	2.06	0.94	23.7	0.74	4.75	0.73	0.12	0.20	0.21	0.21	0.22
ACRES	11	122	58	1460	41	292	43	7.3	12	13	13	13
YEAR OR PERIOD	MEAN _____ 2.86											
	ACRES-FOOT _____ 2090											

STATION DATA SUMMARY

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

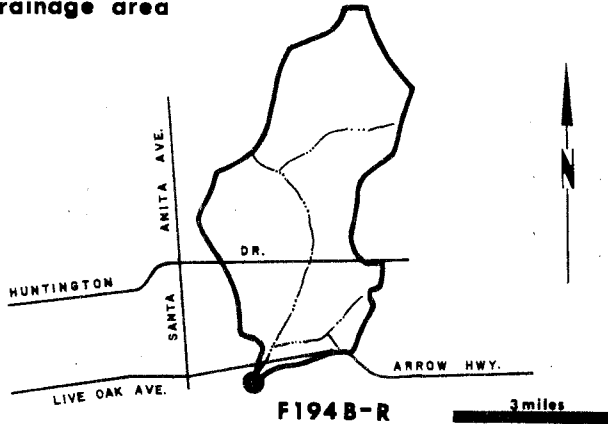
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW		
					MON	DAY	CFS
1959-60B	55	+	0.6	465	4	27	534
1960-61	33	0	0.3	216	11	12	314
1961-62	693	0	8.2	5910	2	11	1780
1962-63	101	0	1.0	709	2	9	621
1963-64	47	0	0.9	650	11	20	581
1964-65	63	0	1.4	985	4	9	518
1965-66	541	+	12.0	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

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

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

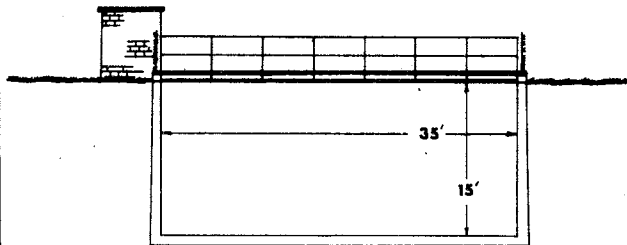


drainage area



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



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F194B-R

DAILY DISCHARGE IN SECOND-FOOT OF SAWPIT WASH below Arrow Hwy. FOR THE WATER YEAR ENDING SEPTEMBER 30, 1974

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.1	0.1	13.8	15.1	22	0.3	7.3	0.2	0.1	0.2	0.2	0.3
2	0.1	0.1	0.1	0.1	23	36	26	0.4	0.1	0.2	0.2	0.3
3	0.2	0.1	0.1	0.2	21	42	0.2	0.1	0.2	0.2	0.2	0.4
4	0.2	0.1	0.1	98	14.6	0.2	0.2	0.1	0.4	0.2	0.2	1.1
5	0.2	0.1	0.1	14.2	1.1	0.2	0.2	0.2	0.4	0.2	0.3	0.8
6	0.1	0.1	0.1	119	0.3	1.1	0.5	0.3	0.3	0.3	0.2	0.4
7	0.1	0.3	0.1	265	0.3	77	2.2	0.3	0.2	0.2	0.3	0.2
8	0.1	0.2	0.1	81	0.2	89	1.8	0.4	0.1	0.3	0.2	0.2
9	0.2	0.2	0.1	12.0	0.2	8.1	0.8	0.4	0.2	0.4	0.2	0.2
10	0.1	0.2	0.2	2.0	0.2	5.9	0.8	0.3	0.2	1.1	0.2	0.2
11	0.1	0.2	0.1	1.8	0.2	2.2	0.8	0.1	0.2	0.8	0.2	0.2
12	0.2	0.2	0.1	1.5	0.2	37	0.4	0.1	0.2	0.4	0.2	0.2
13	0.2	0.2	0.2	1.3	0.2	8.9	0.3	0.2	0.2	0.2	0.3	0.2
14	0.2	0.1	0.2	1.1	0.3	1.3	0.2	0.2	6.8	0.2	0.3	0.2
15	0.2	0.1	0.2	14.6	0.3	0.4	109	0.6	0.2	0.2	0.3	0.2
16	0.2	0.2	0.1	32	0.3	0.3	214	0.3	0.2	0.3	0.4	0.2
17	0.2	14.7	0.2	43	0.3	0.3	208	0.2	0.2	0.3	0.2	0.2
18	0.2	24	0.2	34	2.2	0.3	218	0.2	0.1	0.3	0.2	0.2
19	0.2	0.2	0.1	34	2.0	0.3	218	0.2	0.1	0.3	0.2	0.2
20	0.2	0.1	0.1	48	1.1	0.3	211	0.1	0.2	0.2	0.2	0.2
21	0.1	0.1	0.2	28	1.1	0.3	208	0.1	0.2	0.2	0.3	0.2
22	0.2	24	5.4	30	0.6	0.2	137	0.2	0.1	4.3	0.3	0.2
23	1.4	1.2	0.1	28	0.3	0.3	8.9	0.1	0.2	1.0	0.3	0.2
24	0.2	0.1	0.2	28	0.2	0.2	2.4	0.1	0.2	0.2	0.2	0.2
25	0.2	0.1	0.1	28	0.2	0.3	1.8	0.2	0.1	0.3	0.2	0.2
26	0.1	0.1	0.4	27	0.2	1.1	0.8	0.2	0.1	0.3	0.3	0.2
27	0.1	0.2	0.8	27	0.2	13.1	0.4	0.2	0.2	0.2	0.3	0.2
28	0.1	0.4	0.4	27	4.5	0.4	0.2	0.1	0.2	0.2	0.3	0.2
29	0.1	0.4	0.2	27		0.3	0.1	0.3	0.1	0.2	0.3	0.2
30	0.1	0.4	0.1	26		0.3	0.2	0.4	0.1	0.2	0.3	0.3
31	0.2		0.1	26		0.2		0.4		0.2	0.3	

MEAN	0.20	2.28	0.78	36.1	3.48	10.6	52.6	0.23	0.40	0.45	0.25	0.27
ACRE-FOOT	12	136	48	2220	193	650	3130	14	24	27	15	16
YEAR OR PERIOD	MEAN 8.97 ACRE-FOOT 6490											

STATION DATA SUMMARY

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

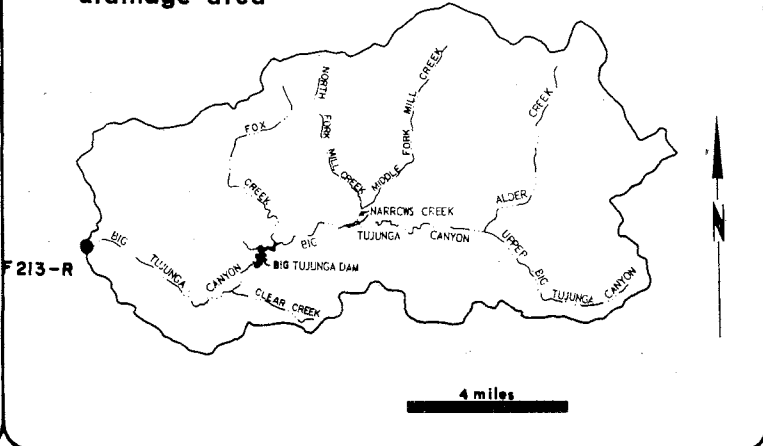
SEASON	MAX	MIN	MEAN	TOTAL	PEAK FLOW		
	DAILY CFS	DAILY CFS	DAILY CFS	RUNOFF A.F.	MON	DAY	CFS
1960-61B	50	+	*	263*	1	26	420
1961-62	573	+	16.6	11980	2	11	1300
1962-63	137	+	1.6	1180	2	9	690
1963-64	83	+	1.6	1190	1	22	682
1964-65	95	+	2.1	1500	4	9	1290
1965-66	243	+	7.3	9240	12	29	1470
1966-67	298	+	22.0	16020	12	3	1120
1967-68	130	+	2.1	1520	11	19	1870
1968-69	1270	+	53.7	38870	1	25	3960
1969-70	773	0	6.7	4830	2	28	2800
1970-71	196	+	5.8	4190	11	29	1350
1971-72	142	0.1	2.0	1450	12	24	519
1972-73	381	0	16.8	12130	2	27	2860
1973-74	265	0.1	9.0	6490	1	7	652

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

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

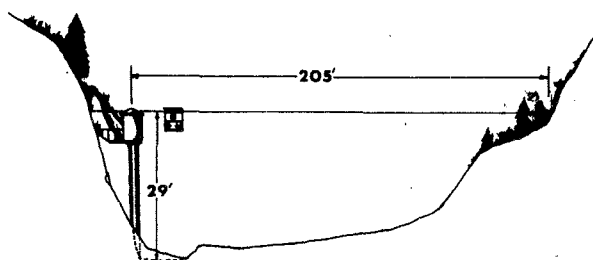


drainage area



RECORDER - continuous water stage
 METHOD OF MEASUREMENTS - wading 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-FOOT OF BIG TUJUNGA CREEK above Gold Canyon FOR THE WATER YEAR ENDING SEPTEMBER 30, 1974

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	11	4.1	9.3	3.2	16	8.6	24	8.1	9.2	a 7.9	a 4.1	1.0
2	9.7	3.6	6.2	2.9	16	14	26	12	8.6	a 7.8	a 4.1	1.6
3	7.1	3.6	4.1	2.9	16	28	23	12	8.6	a 7.7	4.1	1.6
4	5.8	3.6	3.2	27	15	14	22	12	8.6	a 7.6	4.1	1.6
5	5.8	2.9	3.2	22	14	12	22	12	9.2	a 7.6	4.1	2.2
6	5.8	2.6	2.9	66	15	13	22	12	9.2	7.5	4.1	1.9
7	5.8	2.6	2.6	235	15	35	22	12	9.2	7.5	4.1	1.9
8	5.4	2.6	2.6	156	15	122	22	12	9.2	7.5	4.1	1.6
9	5.4	7.5	2.6	56	15	50	22	12	9.2	7.5	4.1	1.6
10	11	8.1	2.6	53	15	40	22	11	9.2	4.9	4.1	1.6
11	11	8.1	2.9	48	16	33	22	11	9.2	4.5	4.1	1.6
12	11	7.1	3.2	45	17	29	20	11	9.2	4.1	4.1	1.9
13	11	7.5	3.2	43	17	25	19	11	9.2	4.1	4.1	2.6
14	11	6.6	3.2	41	16	24	18	11	9.2	4.1	4.1	2.2
15	11	2.9	3.2	37	16	24	16	11	8.6	4.1	4.1	2.2
16	11	2.2	3.2	37	16	24	16	11	8.6	3.6	4.1	1.6
17	11	3.2	3.2	40	16	24	16	10	8.1	3.6	4.1	1.0
18	11	31	3.6	37	15	25	14	9.7	8.1	3.6	4.1	1.0
19	11	6.2	4.1	36	15	24	9.2	9.7	8.1	3.2	3.6	1.3
20	11	3.6	3.6	41	15	23	8.6	9.2	8.1	3.6	3.6	1.3
21	11	2.6	3.6	38	15	23	8.1	9.2	8.6	3.6	3.6	1.0
22	10	3.6	5.4	41	15	23	7.5	10	8.6	4.1	3.6	1.0
23	10	6.5	4.1	57	15	23	9.7	11	7.5	4.1	3.2	1.3
24	10	3.6	3.6	56	14	23	9.7	11	7.5	4.5	3.2	1.6
25	9.7	2.9	3.6	55	14	23	9.7	9.2	7.5	4.5	3.2	1.3
26	9.2	2.6	3.2	53	14	23	8.6	8.6	7.5	4.5	3.2	3.5
27	9.2	2.2	3.2	53	13	25	8.6	9.2	7.5	4.1	2.9	3.5
28	8.6	8.6	3.2	53	13	23	8.6	9.7	7.5	a 4.2	2.6	3.5
29	8.6	5.8	3.2	52		23	8.6	9.7	7.5	a 4.4	2.6	3.4
30	9.7	3.2	2.9	52		23	8.6	9.7	8.1	a 4.6	1.6	3.4
31	5.8		2.6	34		23		9.2		a 4.7	1.3	

MEAN	9.18	5.37	3.59	50.7	15.1	27.3	15.8	10.5	8.48	5.14	3.61	7.47
ACRE FEET	564	320	221	3120	841	1680	939	647	505	316	222	445

YEAR OR PERIOD MEAN ACRE-FOOT 13.6 9820

STATION DATA SUMMARY

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

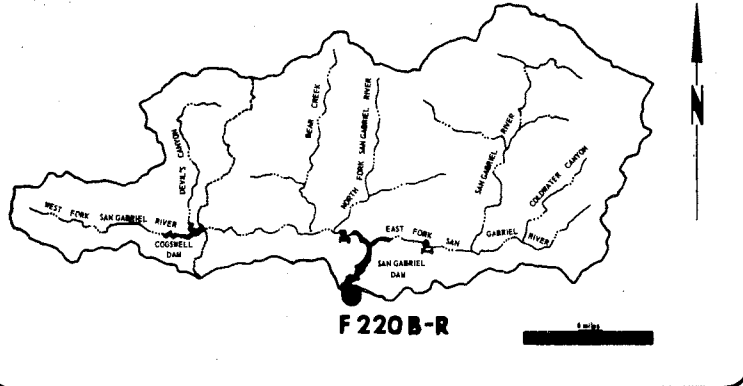
SEASON	MAX	MIN	MEAN	TOTAL	PEAK FLOW		
	DAILY CFS	DAILY CFS	DAILY CFS	RUNOFF A.F.	MON	DAY	CFS
1932-33	488	1.1	10.5	7590	1	19	1390
1933-34	634	0.9	10.6	7700	1	1	1450
1934-35	354	2.6	20.5	14840	4	8	671
1935-36	150	2.4	10.5	7640	2	2	494
1936-37	423	1.0	50.1	36260	12	27	495
1937-38	13000 E	2.5	116	83960	3	2	50000 E
1938-39	316	3.5	18.8	13640	12	20	380
1939-40	350 F	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

N.D. = NOT DETERMINED

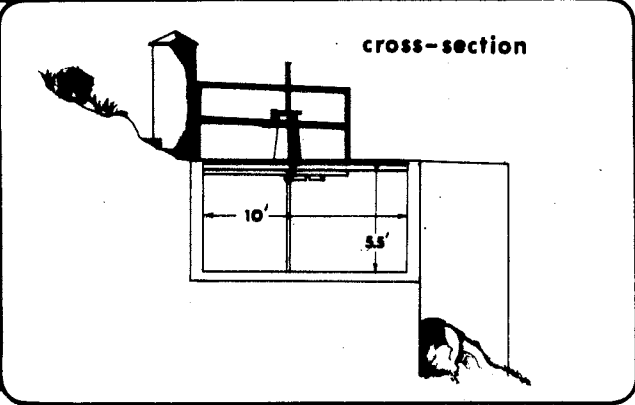
E = ESTIMATE

**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



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F220B-R

DAILY DISCHARGE IN SECOND-FEET of San Gabriel-Azusa Conduit ten feet Weir - below San Gabriel Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 1974

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	45	41	79	80	79	77	77	77	77	77
2	0	0	45	42	78	80	80	77	77	77	77	77
3	0	0	58	42	78	80	79	77	77	77	77	77
4	0	0	71	42	78	81	78	77	77	77	77	78
5	0	0	71	42	78	80	77	77	77	77	77	78
6	0	0	71	43	78	80	77	77	77	77	77	78
7	0	0	71	32	78	80	77	77	77	77	77	78
8	0	0	71	0	79	80	77	77	77	77	78	78
9	0	0	71	0	79	80	77	77	77	77	78	78
10	0	0	58	0	79	80	77	77	77	77	78	78
11	0	0	45	28	80	80	77	77	77	77	78	78
12	0	0	46	71	80	74	76	77	77	77	78	78
13	0	0	46	71	80	65	78	77	77	77	78	78
14	0	0	46	72	80	65	76	77	77	77	78	78
15	0	0	46	72	80	65	76	77	77	77	78	78
16	0	0	46	73	80	65	76	77	77	77	78	77
17	0	0	46	74	80	65	76	77	77	77	78	77
18	0	3.8	46	74	80	64	77	77	77	77	78	77
19	0	27	46	74	80	75	77	77	77	77	78	78
20	0	45	46	74	82	81	77	77	77	77	78	78
21	0	44	46	75	82	80	77	77	77	77	78	78
22	0	45	46	75	80	80	77	77	77	77	78	78
23	0	45	46	75	80	80	77	77	77	77	78	78
24	0	45	46	74	80	80	77	77	77	77	78	78
25	0	45	46	74	80	80	77	77	77	77	78	78
26	0	45	46	74	80	80	77	77	77	77	78	78
27	0	45	46	73	80	79	77	77	77	77	78	78
28	0	45	46	77	80	80	77	77	77	77	78	78
29	0	45	46	79	--	79	77	77	77	77	77	78
30	0	45	46	79		78	77	77	77	77	77	78
31	0		43	79		78		77		77		

MEAN	0	17.5	51.4	58.1	79.6	76.6	77.1	77	77	77	77.7	77.8
ACRE- FEET	0	1040	3160	3570	4420	4710	4590	4730	4580	4730	4780	4630

YEAR OR PERIOD MEAN 62.1
 ACRE-FEET 44950

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			

B = RECORD BEGAN AT B LOCATION 10-23-63

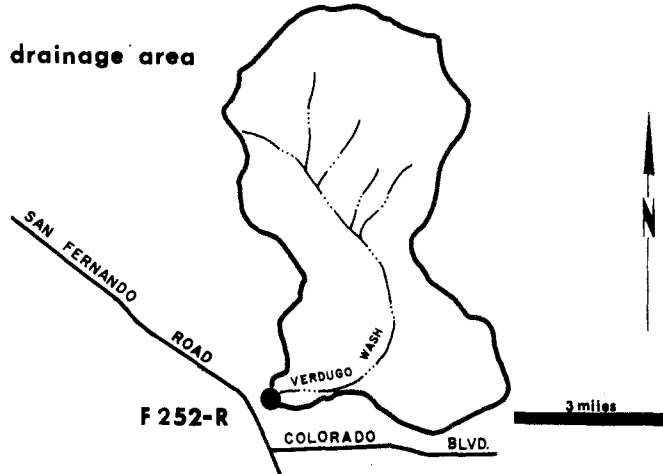
D = RECORD IS AT STA F250-R - 25 FOOT WEIR

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

**STATION NO. F 252 - R
VERDUGO WASH
at Estelle Avenue**

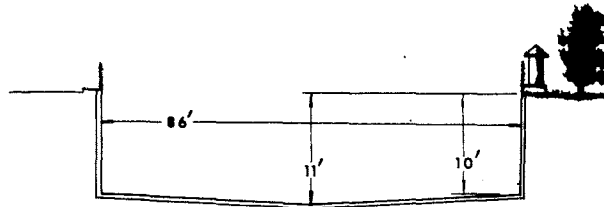


drainage area



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



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F252-R

DAILY DISCHARGE IN SECOND-FOOT OF VERDUGO WASH at Estelle Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 1974

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	2.0	2.3	86	20	2.5	2.3	6.5	2.0	2.5	2.5	b 2.6	2.0
2	2.0	2.8	2.3	2.0	2.3	66	4.3	2.0	2.5	2.5	b 2.5	2.0
3	2.0	2.8	2.5	2.3	2.3	73	5.0	2.3	2.5	2.5	b 2.4	2.0
4	2.0	2.5	2.8	265	2.5	3.9	5.0	2.3	2.8	2.5	b 2.3	2.0
5	2.0	2.8	2.8	80	2.5	2.3	5.0	2.8	2.5	2.5	b 2.2	2.3
6	2.0	2.8	2.5	346	2.3	2.3	5.0	2.5	2.5	2.5	b 2.2	2.3
7	2.0	3.9	2.3	671	2.5	152	3.9	2.3	2.3	2.5	b 2.1	2.0
8	1.8	3.9	2.3	97	2.3	294	3.9	2.3	2.3	2.5	b 2.0	2.3
9	2.0	3.9	2.3	21	2.5	10.6	5.0	2.3	2.3	2.5	2.0	2.0
10	2.0	3.9	2.3	10.6	2.8	5.0	3.9	2.3	2.3	2.5	2.0	2.0
11	2.0	2.8	2.3	6.2	2.8	5.0	3.9	2.3	2.3	2.3	1.8	2.0
12	2.0	2.8	2.5	3.9	3.9	3.9	2.8	2.5	2.3	2.3	1.8	2.0
13	1.8	3.9	2.5	2.8	5.0	2.3	2.5	2.5	2.3	2.3	1.8	2.3
14	1.8	3.9	2.5	2.5	5.0	2.0	2.5	2.5	2.3	2.3	1.8	2.3
15	1.8	2.8	2.3	2.3	6.2	2.3	2.5	2.3	2.5	2.5	1.8	2.3
16	1.8	3.9	2.3	16.7	5.0	2.3	2.5	2.3	2.5	2.8	1.8	2.3
17	1.8	102	2.8	45	5.0	2.3	2.8	2.3	2.5	2.8	1.8	2.3
18	1.8	124	2.8	9.5	5.0	2.5	2.8	2.3	2.5	2.8	1.8	2.3
19	2.0	b 2.5	2.8	9.5	5.0	2.5	2.8	2.3	2.5	2.8	1.8	2.3
20	2.0	b 2.4	2.5	59	5.0	2.5	2.8	2.5	2.5	3.9	1.8	2.3
21	2.0	2.3	2.8	11.8	5.0	2.3	2.8	2.3	2.5	3.9	1.8	2.3
22	2.0	80	17.6	8.4	5.0	2.5	2.8	2.5	2.8	5.0	1.8	2.3
23	6.2	11.8	2.3	6.2	2.8	2.5	2.8	2.5	2.5	6.2	1.8	2.3
24	b 2.5	2.0	2.3	6.2	2.3	2.5	3.9	2.5	2.5	6.2	1.8	2.3
25	2.3	2.0	2.3	3.9	2.3	2.5	2.5	2.5	2.5	6.2	1.8	2.3
26	2.0	2.3	2.3	3.9	2.3	2.3	2.8	2.3	2.5	6.2	1.8	2.3
27	2.3	2.8	2.3	2.5	2.3	69	2.5	2.3	2.8	3.9	1.8	2.5
28	2.0	2.8	2.3	2.5	15.4	2.5	2.5	2.3	2.8	2.8	1.8	2.3
29	2.0	2.0	2.8	2.5	2.5	2.5	2.3	2.5	2.8	2.8	1.8	2.3
30	2.3	2.0	2.8	2.5	2.5	5.0	2.3	2.8	2.8	b 2.7	2.0	2.3
31	2.3		2.3	2.5		2.5		2.5		b 2.6	2.0	

MEAN	2.14	13.1	5.66	55.7	3.92	23.7	4.70	2.38	2.51	3.24	1.95	2.22
ACRE-FOOT	132	779	348	3420	218	1460	280	147	149	199	120	132

YEAR OR PERIOD MEAN - 10.2
 ACRE-FOOT 7380

STATION DATA SUMMARY

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

SEASON	MAX	MIN	MEAN	TOTAL	PEAK FLOW		
	DAILY CFS	DAILY CFS	DAILY CFS	RUNOFF A.F.	MON	DAY	CFS
1928-29	15	0	*	140*	4	4	56*
1929-30	14	0	0.4	274	5	3	80
1930-31	8.4	+	0.2	145	4	26	46
1931-32	39	0.1	1.0	713	2	9	145
1932-33	42	0.1	0.4	295	1	19	391
1933-34	NO RECORD						
1934-35	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	3480
1966-67	422	0.5	10.4	7530	1	22	3230
1967-68	606	0.2	9.3	6730	3	8	3460
1968-69	1850	1.8	36.1	26120	1	25	5050
1969-70	261	2.0	8.4	6090	2	28	2500
1970-71	931	1.8	10.6	7690	11	29	5330
1971-72	476	1.2	14.8	4570	12	24	1960
1972-73	897	1.0	12.8	9280	1	18	4010
1973-74	671	1.8	10.2	7380	1	7	2390

* = RECORD INCOMPLETE

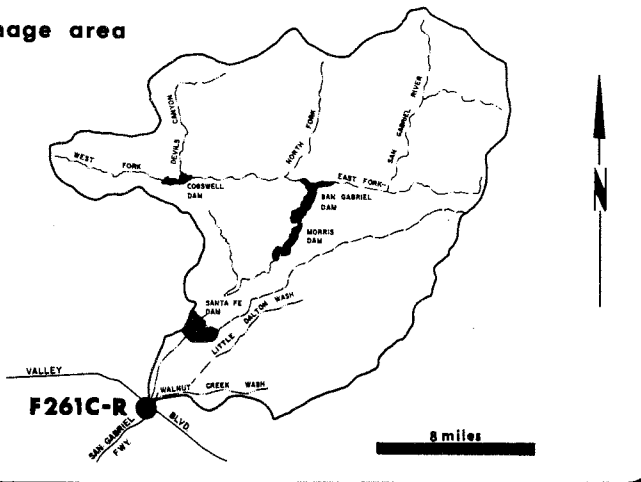
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

F = ESTIMATE

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

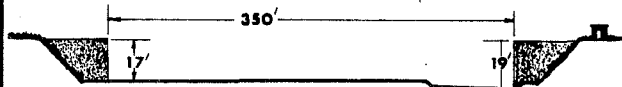


drainage area



RECORDER - continuous water stage
 METHOD OF MEASUREMENTS - wading
 DRAINAGE AREA - 118.0 square miles (excludes area above Santa Fe Dam)
 LOCATION - 1,150.0 feet below Valley Boulevard, 2.5 miles east of El Monte
 REGULATION - partly regulated by Santa Fe, Big Dilton, 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

cross-section



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F261C-R

DAILY DISCHARGE IN SECOND-FOOT OF SAN GABRIEL RIVER below Valley Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 1974

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	194	95	31	65	146	1.6	69	181	126	45	131	128
2	201	91	2.1	18	146	162	186	181	126	128	131	128
3	198	89	71	37	146	50	101	181	128	128	131	131
4	188	87	d 196	549	144	33	136	181	131	128	128	128
5	194	87	d 196	127	144	146	141	207	128	126	128	128
6	194	89	d 196	692	144	132	138	154	131	128	128	128
7	198	89	d 196	152	144	98	138	181	134	128	128	126
8	194	141	d 196	311	144	527	138	181	131	128	128	124
9	198	212	d 196	5.6	144	2.4	141	184	131	128	128	126
10	198	215	d 196	2.7	144	+	138	174	134	131	128	124
11	201	215	d 196	30	144	0	134	131	134	128	128	128
12	152	144	d 196	38	146	d 38	131	134	134	128	128	126
13	72	1.0	d 196	37	146	d 144	128	134	136	128	126	128
14	68	0.3	d 196	32	146	d 152	128	136	136	128	128	128
15	93	70	d 196	34	149	d 162	126	136	136	131	128	128
16	181	205	d 196	33	152	d 162	128	131	136	128	128	126
17	194	198	d 197	47	149	d 162	131	131	81	128	131	128
18	194	122	d 197	0.1	72	d 162	136	134	+	128	128	128
19	194	60	d 198	0	+	d 162	136	134	0	128	128	126
20	194	212	d 198	9.7	0	d 162	131	131	0	126	128	126
21	198	201	140	1.8	0	d 162	131	131	0	126	126	128
22	201	306	17	3.9	0	d 162	131	128	0	126	128	128
23	205	45	0	18	0	d 162	119	131	0	119	128	128
24	205	0.2	25	1.2	0	d 162	3.2	128	0	126	131	128
25	208	0	d 72	27	44	d 130	32	126	0	128	131	131
26	212	53	d 72	29	146	8.1	136	128	0	128	131	131
27	212	181	d 72	29	149	47	138	126	0	128	128	131
28	212	191	d 72	16	116	51	136	128	0	128	128	134
29	212	212	d 72	0.1		d 178	160	128	0	128	128	134
30	215	166	d 72	43		128	181	128	0	128	128	77
31	184		d 72	144		1.2		131		131	128	

MEAN	186	126	133	126	107	118	127	147	73.1	125	128	126
ACRE-FOOT	11430	7490	8190	7740	5960	7240	7540	9020	4350	7690	7900	7520

YEAR OR PERIOD MEAN 127
ACRE-FOOT 92070

STATION DATA SUMMARY

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

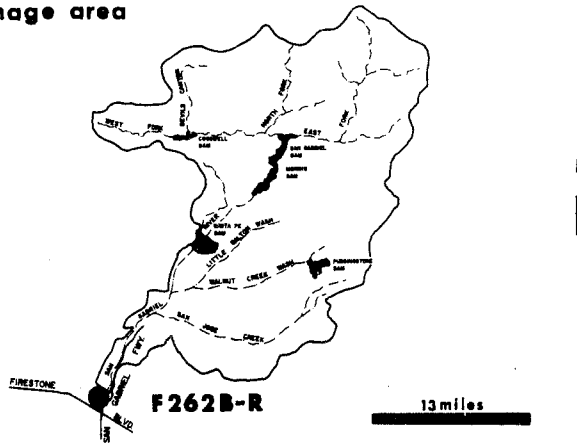
SEASON	MAX	MIN	MEAN	TOTAL	PEAK FLOW		
	DAILY	DAILY	DAILY	RUNOFF	MON	DAY	CFS
	CFS	CFS	CFS	A.F.			
1938-39	125	0.4	8.0	5790			N.D.
1939-40	125F	0.2	1.8	1320			N.D.
1940-41	1300	0.2	73.9	53500			N.D.
1941-42R	4.0	0	2.2	1560			N.D.
1942-43	8000	0	221	160300	1	23	9350
1943-44	2720	0.6	83.0	60290	2	22	5950
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			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

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

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

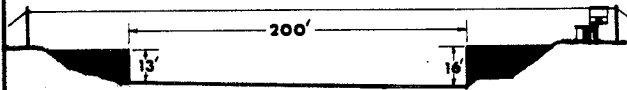


drainage area



RECORDER - continuous water stage
 METHOD OF MEASUREMENTS - wading or from cable car
 DRAINAGE AREA - 215.8 square miles (excludes area above Santa Fe Dam)
 LOCATION - 1,400 feet above Florence Avenue, 2.0 miles east of Downey
 REGULATION - partially regulated by Cogswell, San Gabriel, Morris, Santa Fe, Big Dalton, San Dimas, Puddingstone Diversion, Puddingstone, Live Oak, Thompson Creek and Whittier Narrows Dams, several debris basins, MWD outlets, and several spreading grounds
 CHANNEL - sand bottom with rip-rap side slopes, trapezoidal section
 CONTROL - concrete stabilizer
 LENGTH OF RECORD -
 at Station F267-R, February 27, 1937 to September 30, 1967
 at Station F262B-R, August 6, 1968, to date
 REMARKS - no record during 1967-1968 season due to channel construction

cross-section



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F262B-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER above Florence Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 74

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	7.9	0	0	0	0	0	0	0	0
2	0	0	0	0.7	0	272	63	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	1180	0	0	0	0	0	0	0	0
5	0	0	0	446	0	0	0	0	0	0	0	0
6	0	0	0	1020	0	0	0	0	0	0	0	0
7	0	0	0	3650	0	0	0	0	0	0	0	0
8	0	0	0	1290	0	1400	0	0	0	0	0	0
9	0	0	0	19	0	40	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	88	0	0	0	0	0	0	0	0	0	0
19	0	13	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	12	0	0	0	0	0	0	0	0	0	0
23	0	284	0	0	0	0	0	0	0	0	0	0
24	0	2.4	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0

MEAN	0	13.3	0	245.6	0	55.2	2.1	0	0	0	0	0
ACRE- FEET	0	792	0	15100	0	3400	125	0	0	0	0	0

YEAR OR PERIOD _____ MEAN _____
 _____ 26.8
 _____ 19420

STATION DATA SUMMARY

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

SEASON	MAX	MIN	MEAN	TOTAL	PEAK FLOW		
	DAILY CFS	DAILY CFS	DAILY CFS	RUNOFF A.F.	MON	DAY	CFS
1934-35	718	0	6.5	4700	10	17	5850
1935-36	414	0	2.4	1750	2	12	3400
1936-37	NO RECORD						
1937-38	NO RECORD						
1938-39	325	0		2540*	9	25	1380
1939-40	271	0	2.6	1900	1	8	1150
1940-41	2390	0	105	75780	3	4	5630
1941-42	117	0	18.7	13570	12	10	413
1942-43	9190	0	257	186400	1	23	14000
1943-44	4860	0	110	79930	2	22	16000
1944-45	806	0	36.1	26110	11	12	4020
1945-46	1500	0	22.8	16480	12	23	4370
1946-47	2880	0	38.2	27650	12	31	3640
1947-48	0	0	0	0			
1948-49	0	0	0	0			
1949-50	0	0	0	0			
1950-51	0	0	0	0			
1951-52	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	1190	0	7.1	5160	3	16	4270
1963-64	707	0	4.8	3460	11	20	4330
1964-65	1210	0	12.4	9010	4	9	4900
1965-66	697	0	7.8	5620	1	30	2080
1966-67	1900	0	32.2	23300	1	23	4320
1967-68B	NO RECORD						
1968-69	8430	0	273	197600	1	25	10900
1969-70	1650	0	16.5	11950	3	4	4510
1970-71	2160	0	15.5	11220	11	29	4410
1971-72	1450	0	10.2	7400	12	24	7510
1972-73	2540	0	28.6	20700	2	11	5680
1973-74	3650	0	26.8	19420	1	7	5870

B = RECORD BEGAN AT B LOCATION 08-06-68

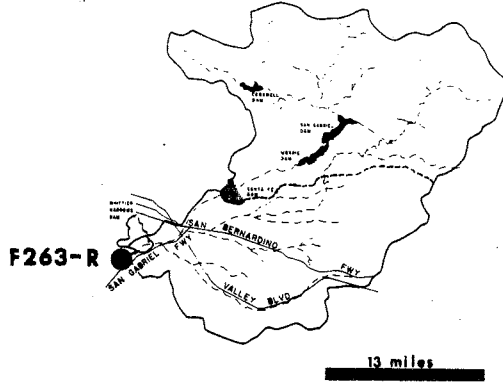
* = RECORD INCOMPLETE

E = ESTIMATE

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

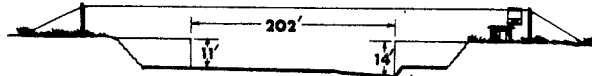


drainage area



RECORDER - continuous water stage
METHOD OF MEASUREMENTS - wading or from cable car
DRAINAGE AREA - 206.3 square miles (excludes area above Santa Fe Dam)
LOCATION - 462.0 feet below San Gabriel River Parkway, 1.4 miles northeast of Pico Rivera
REGULATION - partly regulated by Santa Fe, Big Dalton, Puddingstone Diversion, Puddingstone, and Thompson Creek Dams. Flows may include imported water from several Metropolitan Water District outlets. Water is at times diverted to the Zone I ditch upstream of Whittier Narrows Dam.
CHANNEL - rip-rap slopes with sand bottom trapezoidal section
CONTROL - concrete stabilizer
LENGTH OF RECORD -
 at Station F263-R, February 4, 1937, to March 6, 1952
 at Station F263B-R, March 6, 1952, to August 9, 1968
 at Station F263C-R, August 9, 1968, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
 HYDRAULIC DIVISION

STATION NO. F263C-R

DAILY DISCHARGE IN SECOND-FOOT OF SAN GABRIEL RIVER below San Gabriel River Parkway FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 74

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	49	57	58	80	46	33	10	78	57	d 4.0	86	127
2	62	54	12.2	b 6.0	47	493	a 219	80	55	23	57	125
3	58	47	8.8	54	46	100	8.8	80	60	54	62	92
4	55	50	64	1600	46	18.0	13.9	78	65	55	58	39
5	55	52	71	647	46	32	15.0	84	62	57	50	21
6	60	44	71	1580	a 44	37	14.4	67	94	57	29	60
7	60	33	71	3640	a 43	257	15.0	74	106	58	18.7	129
8	62	23	69	1060	42	1460	14.4	69	67	65	29	129
9	62	64	69	88	42	25	14.4	69	62	67	34	133
10	64	69	69	29	43	a 15.0	17.2	78	64	60	34	50
11	62	69	69	14.4	44	a 10.0	30	28	64	60	34	22
12	80	62	69	16.5	50	a 10.0	47	29	58	64	38	21
13	50	e 7.0	71	15.0	64	31	43	27	65	65	43	21
14	46	e 5.4	71	24	73	37	40	26	71	d 70	46	20
15	27	e 9.0	67	52	58	43	44	25	78	78	57	21
16	46	74	69	58	47	49	57	28	80	76	80	19.5
17	58	116	71	130	50	50	60	.39	54	48	98	54
18	54	294	71	22	30	49	67	58	d 8.0	16.5	102	127
19	57	31	69	18.0	5.7	55	69	60	d 7.0	15.7	69	127
20	57	76	71	41	5.7	50	69	108	d 6.0	10.6	55	127
21	60	76	76	36	8.4	46	67	138	d 6.0	7.4	55	127
22	60	180	53	19.5	9.5	43	96	136	d 5.0	7.4	57	125
23	62	243	16.5	32	8.8	44	116	136	d 5.0	7.1	86	118
24	67	17.2	15.7	23	7.8	46	24	88	d 5.0	11.7	116	116
25	67	15.7	73	30	7.8	62	6.0	43	d 4.0	9.2	127	120
26	69	12.2	64	40	49	16.5	76	38	d 4.0	31	102	127
27	67	40	55	40	65	69	80	31	d 4.0	49	80	127
28	67	52	55	37	85	15.7	76	40	d 4.0	49	69	127
29	65	67	52	15.7		46	71	52	d 4.0	50	72	129
30	67	43	57	14.4		37	76	57	d 4.0	72	108	92
31	69		58	43		11.7		58		102	122	

MEAN	59.5	66.1	59.2	307	39.8	106	51.9	64.6	40.9	45.1	66.9	89.1
ACRE-FOOT	3660	3930	3640	18850	2210	6520	3090	3970	2440	2780	4110	5300

YEAR OR PERIOD MEAN ACRE-FOOT 83.6 60500

STATION DATA SUMMARY

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

SEASON	MAX	MIN	MEAN	TOTAL	PEAK FLOW		
	DAILY CFS	DAILY CFS	DAILY CFS	RUNOFF A.F.	MO	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	34740*	2	14	6970
1937-38	11400	0	131	94810	3	2	22700F
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

B = RECORD BEGAN AT B LOCATION 03-06-52

C = RECORD BEGAN AT C LOCATION 08-09-68

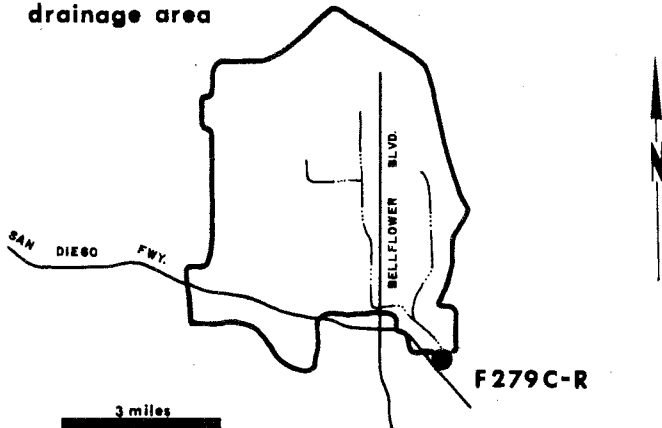
* = RECORD INCOMPLETE

F = ESTIMATE

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

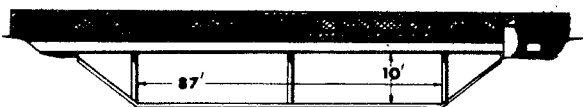


drainage area



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



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F279C-R

DAILY DISCHARGE IN SECOND-FOOT OF LOS CERRITOS CHANNEL at Stearns FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 74

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.2	1.0	31	16.3	1.3	4.8	1.0	1.2	0.8	1.0	1.5	1.0
2	1.2	1.0	1.0	0.6	3.0	285	26	1.2	0.8	1.0	1.3	1.0
3	1.0	1.0	0.4	3.6	1.3	6.0	0.6	1.2	1.0	1.0	1.3	1.0
4	1.0	1.0	0.6	456	0.6	1.0	0.4	1.2	0.8	1.2	1.2	1.2
5	1.2	0.8	0.8	62	0.8	1.0	1.2	0.8	0.8	1.2	1.2	1.3
6	1.3	0.8	0.8	151	0.8	1.0	a 1.0	2.1	1.2	1.2	1.2	1.3
7	1.3	1.0	0.8	633	0.8	127	a 1.0	1.3	1.0	1.5	1.5	1.3
8	3.0	1.2	0.4	76	1.0	304	a 1.0	1.3	1.0	1.2	1.5	1.3
9	1.5	1.0	0.8	21	0.6	1.9	a 1.0	1.3	1.2	1.2	1.3	1.2
10	1.3	1.0	1.0	1.3	1.5	1.2	a 1.0	1.2	1.0	1.2	1.3	1.2
11	1.3	1.2	1.2	0.8	0.6	1.0	a 1.0	1.2	1.2	1.2	1.3	1.2
12	1.7	1.0	1.0	0.4	0.6	0.6	a 1.0	1.2	1.0	1.2	1.3	1.0
13	1.5	1.2	1.0	0.2	0.6	0.6	a 1.0	1.2	1.0	1.7	1.3	1.0
14	1.7	1.0	1.0	0.2	0.6	0.6	a 1.0	1.0	1.2	1.5	1.2	1.0
15	1.7	1.0	0.8	0.6	0.8	0.6	a 1.0	1.3	1.3	1.0	1.3	1.0
16	1.5	40	0.8	3.0	0.8	0.6	a 1.0	1.0	1.0	1.5	1.2	1.0
17	1.3	63	0.8	23	1.0	0.6	a 1.0	0.8	1.0	1.5	1.3	1.0
18	1.3	77	0.8	2.1	0.8	0.6	0.8	0.8	1.2	1.7	1.3	1.2
19	1.5	0.8	0.8	0.8	1.3	0.6	0.6	0.6	1.0	1.5	1.3	1.2
20	1.5	0.6	0.8	13.0	1.2	0.6	0.4	0.2	1.0	1.3	1.3	1.2
21	1.5	5.6	0.6	3.2	1.0	0.6	0.4	0.6	1.7	1.0	1.2	1.2
22	1.5	203	18.5	0.8	0.8	0.8	0.4	0.8	1.0	1.2	1.2	1.3
23	19.8	18.6	0.6	0.6	1.0	0.8	0.4	1.0	1.0	1.2	1.2	1.3
24	1.2	0.8	0.4	0.8	0.8	0.6	0.2	1.3	1.2	1.0	1.3	1.3
25	1.2	0.2	0.4	1.0	0.8	0.8	0.6	0.8	1.3	1.2	1.0	1.3
26	1.0	0.2	0.6	0.8	0.8	1.5	0.6	0.8	1.2	1.3	1.0	1.2
27	1.0	0.2	0.8	0.8	0.8	47	0.8	1.0	1.2	1.0	1.2	1.3
28	1.0	0.2	1.0	0.6	15.7	1.0	1.0	1.0	1.2	1.0	1.2	1.3
29	1.0	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.7	1.5	1.2	1.3
30	1.0	0.4	0.6	1.0	1.0	0.8	1.0	0.8	1.0	1.5	1.0	1.3
31	1.0		0.6	1.0		0.6		0.8		1.7	1.2	

MEAN	1.94	14.2	2.30	47.6	1.49	25.6	1.6	1.03	1.10	1.27	1.25	1.18
ACRE-FOOT	119	846	141	2930	83	1580	98	63	65	78	77	70
YEAR OR PERIOD	MEAN 8.49 ACRE-FOOT 6150											

STATION DATA SUMMARY

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

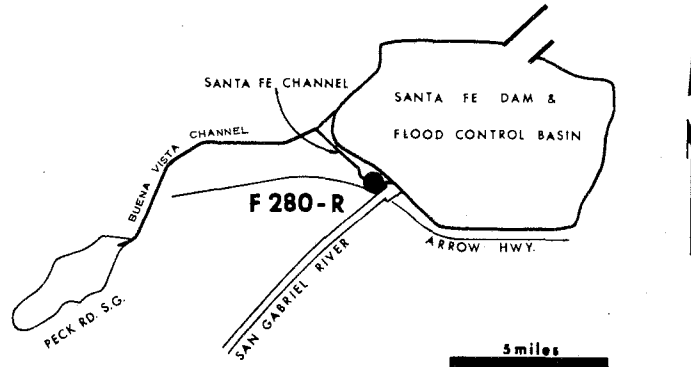
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW		
					MON	DAY	CFS
1949-50B	247	0	2.6	1900	2	6	894
1950-51	161	0	3.0	2190	1	29	934
1951-52	836	0	13.4	9730	1	18	2220
1952-53	298	0	3.9	2810	11	15	1700
1953-54	795	0	8.1	5850	2	13	2790
1954-55	362	0	6.2	4500	1	18	2120
1955-56C	1460	0	9.0	6500	1	25	3040
1956-57	280	+	4.0	2920	2	23	747
1957-58	972	+	13.4	9730	2	19	3050
1958-59	393	0	3.3	2410	2	16	1120
1959-60	351	+	5.2	3780	2	1	3120
1960-61	229	0	2.5	1830	1	26	1020
1961-62	730	+	12.3	8860	2	8	2080
1962-63	720	+	6.4	4610	2	10	3610
1963-64	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

B = RECORD BEGAN AT B LOCATION 06-01-49
 C = RECORD BEGAN AT C LOCATION 10-26-55
 + = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

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

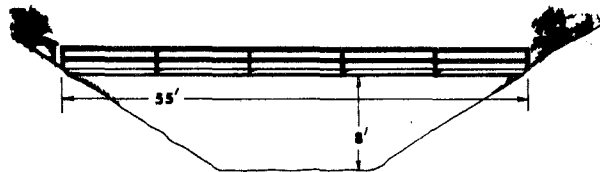


drainage area



RECORDER - continuous water stage
 METHOD OF MEASUREMENTS - wading or from footbridge
 DRAINAGE AREA - controlled
 LOCATION - 400.0 feet downstream of Santa Fe Dam outlet and 1.5 miles north of Baldwin Park
 REGULATION - flow regulated by five gates of stilling basin outlet of Santa Fe Dam
 CHANNEL - sand and gravel, natural section
 CONTROL - concrete stabilizer
 LENGTH OF RECORD -
 at Station F280-S, October 1, 1942, to May 12, 1944
 at Station F280-R, May 12, 1944, to date

cross-section



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F280-R

DAILY DISCHARGE IN SECOND-FOOT OF SANTA FE DIVERSION CHANNEL below Santa Fe Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 1974

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	30	0	0	0.2	0	0	0	0
2	0	0	0	0	29	0	0	0.1	0	0	0	0
3	0	0	0	0	27	+	0	+	0	0	0	0
4	0	0	0	0	21	0.4	0	0	0	0	0	0
5	0	0	0	0	3.0	0.3	0	0	0	0	0	0
6	0	0	0	0	1.9	0.3	0	0	0	0	0	0
7	0	0	0	0	1.8	0.3	0	0	0	0	0	0
8	0	0	0	0	1.5	0.3	0	0	0	0	0	0
9	0	0	0	0	1.3	0.3	0	0	0	0	0	0
10	0	0	0	0	1.1	0.2	0	0	0	0	0	0
11	0	0	0	0	0.9	0.2	0	0	0	0	0	0
12	0	0	0	0	0.2	29	0	0	0	0	0	0
13	0	0	0	0	0	6.8	0	0	+	0	0	0
14	0	0	0	0	0	0.4	0	0	7.1	0	0	0
15	0	0	0	20	0	0.1	127	0	+	0	0	0
16	0	0	0	36	0	+	233	0	0	0	0	0
17	0	0	0	34	0	+	231	0	0	0	0	0
18	0	0	0	37	0	0	229	0	0	0	0	0
19	0	0	0	36	0	0	227	0	0	0	0	0
20	0	0	0	31	0	0	225	0	0	0	0	0
21	0	0	0	31	0	0	223	0	0	0	0	0
22	0	0	0	31	0	0	132	0	0	0	0	0
23	0	0	0	30	0	0	8.2	0	0	0	0	0
24	0	0	0	30	0	0	3.4	0	0	0	0	0
25	0	0	0	30	0	0	2.1	0	0	0	0	0
26	0	0	0	31	0	0	1.6	0	0	0	0	0
27	0	0	0	31	0	0	1.0	0	0	0	0	0
28	0	0	0	31	0	0	0.5	0	0	0	0	0
29	0	0	0	31	0	0	0.4	0	0	0	0	0
30	0	0	0	31	0	0	0.3	0	0	0	0	0
31	0	0	0	31	0	0	0	0	0	0	0	0

MEAN	0	0	0	17.2	4.24	1.25	54.8	0.01	0.24	0	0	0
ACRE-FOOT	0	0	0	1060	235	77	3260	0.6	14	0	0	0

YEAR OR PERIOD _____ MEAN _____
 6.41
 4650

STATION DATA SUMMARY

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

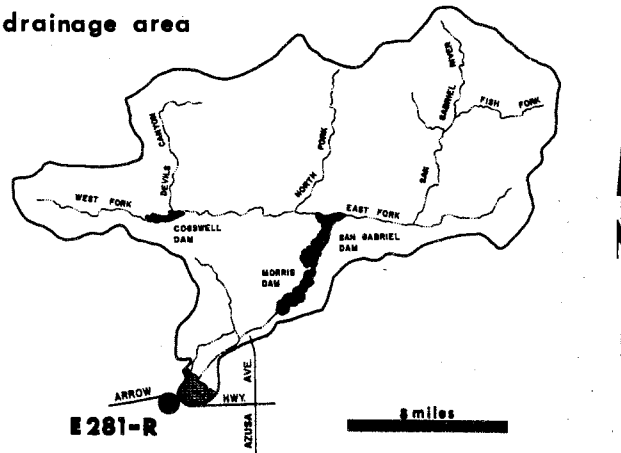
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW		
					MON	DAY	CFS
1943-44	253	0	20.9	15180	5	18	253
1944-45	0	0	0	0			
1945-46	479	0	31.2	22610	9	13	484
1946-47	446	0	16.8	12200	11	27	484
1947-48	786	0	10.9	7880	6	4	800
1948-49	0	0	0	0			
1949-50	0	0	0	0			
1950-51	0	0	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

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

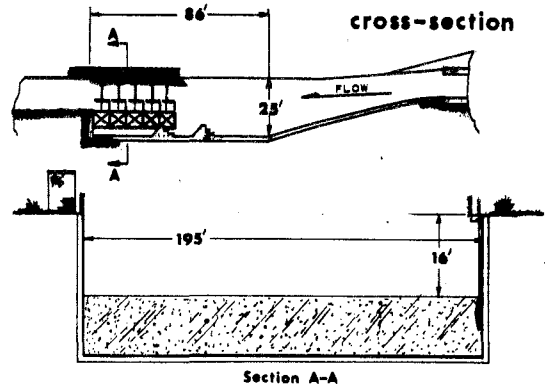
**STATION NO. E 281 - R
SAN GABRIEL RIVER
below Santa Fe Dam**



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.



**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 74

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	1.5	0	1.7	0	0	0	0	0	0
5	0	0	0	5.4	0	1.6	0	0	0	0	0	0
6	0	0	0	2.8	0	0.7	0	0	0	0	0	0
7	0	0	0	1.4	0	0.1	0	0	0	0	0	0
8	0	0	0	1.4	0	3.2	0	0	0	0	0	0
9	0	0	0	40	0	3.4	0	0	0	0	0	0
10	0	0	0	85	0	3.4	0	0	0	0	0	0
11	0	0	0	72	0	61	0	0	0	0	0	0
12	0	0	0	47	0	42	0	0	0	0	0	0
13	0	0	0	45	0	0	0	0	9.3	0	0	0
14	0	0	0	45	0	0	0	0	13	0	0	0
15	0	0	0	19	0	0	3.0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0

MEAN	0	0	0	11.8	0	3.78	0.10	0	0.74	0	0	0
ACRE- FEET	0	0	0	725	0	232	6.0	0	44	0	0	0

YEAR MEAN _____ 1.39
OR PERIOD ACRE- FEET _____ 1,010

STATION DATA SUMMARY
 SAN GABRIEL RIVER BELOW SANTA FE DAM

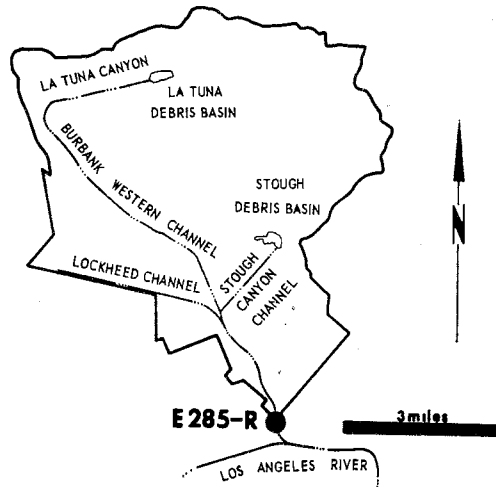
STA. NO.	E281-R		MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW		
	MAX DAILY CFS	MIN DAILY CFS			MON	DAY	CFS
1942-43	6700	0	242	175100	1	23	8000
1943-44	2550	0	133	96890	2	22	3480
1944-45	783	0	14.0	10140	2	2	960
1945-46	1140	0	45.0	32560	12	23	1600
1946-47	2550	0	53.3	38600	12	31	2580
1947-48	809	0	11.2	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

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

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

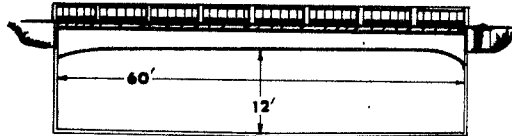


drainage area



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-FOOT OF Burbank-Western Storm Drain at Riverside Drive FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 74

	OCTOBER	NOVEMBER	DECEMBER	ANNUAL	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	5.0	7.9	32	b 20	5.0	6.7	7.9	9.1	7.9	5.6	7.9	7.9
2	5.6	7.9	5.6	7.9	5.0	51	24	9.1	7.9	6.7	6.7	7.9
3	6.7	7.9	9.1	9.1	5.0	69	6.7	10.6	9.1	6.7	5.6	7.9
4	5.6	7.9	5.6	321	5.6	7.9	6.7	9.1	7.9	5.6	5.6	7.9
5	4.5	7.9	9.1	45	5.6	6.7	6.7	13.1	7.9	7.9	5.6	9.1
6	4.5	7.9	7.9	b 350	5.6	6.7	6.7	10.6	9.1	6.7	5.6	9.1
7	5.0	7.9	9.1	b 800	5.6	192	6.7	10.6	9.1	6.7	5.6	9.1
8	5.0	7.9	6.7	b 100	5.6	b 390	6.7	10.6	7.9	7.9	5.6	7.9
9	5.0	9.1	5.6	10.6	5.6	b 15	6.7	9.1	7.9	7.9	6.7	9.1
10	5.6	7.9	5.6	7.9	5.6	b 10	6.7	9.1	7.9	6.7	6.7	9.1
11	5.6	7.9	5.6	7.9	5.0	9.1	6.7	9.1	9.1	5.6	7.9	9.1
12	5.6	6.7	5.6	6.7	5.6	9.1	6.7	9.1	9.1	5.0	9.1	7.9
13	5.6	6.7	5.6	6.7	5.6	7.9	5.6	10.6	10.6	5.6	9.1	7.9
14	5.6	7.9	5.6	6.7	5.6	7.9	5.6	10.6	9.1	7.9	7.9	7.9
15	5.6	6.7	5.6	5.6	5.6	6.7	6.7	9.1	9.1	9.1	6.7	7.9
16	6.7	7.9	5.6	14.7	5.6	6.7	7.9	9.1	9.1	9.1	6.7	7.9
17	6.7	60	5.6	32	5.6	6.7	7.9	9.1	10.6	9.1	6.7	7.9
18	6.7	b 27	6.7	5.6	7.9	7.9	7.9	9.1	10.6	7.9	5.6	6.7
19	10.6	b 8.0	5.6	5.6	7.9	6.7	7.9	9.1	9.1	5.6	6.7	7.9
20	13.1	b 8.0	5.6	30	7.9	7.9	7.9	9.1	9.1	5.6	6.7	7.9
21	7.9	b 8.0	5.6	9.1	7.9	7.9	7.9	9.1	7.9	7.9	7.9	7.9
22	7.9	121	34	9.1	6.7	7.9	7.9	9.1	6.7	9.1	6.7	6.7
23	9.1	61	5.0	7.9	7.9	7.9	9.1	7.9	6.7	7.9	7.9	6.7
24	7.9	b 8.0	5.0	9.1	5.6	7.9	10.6	7.9	6.7	7.9	7.9	b 7.0
25	6.7	b 8.0	5.0	9.1	5.6	9.1	9.1	6.7	7.9	7.9	7.9	b 7.2
26	6.7	b 7.5	5.6	9.1	6.7	9.1	10.6	5.6	9.1	9.1	7.9	b 7.4
27	6.7	b 7.5	6.7	9.1	6.7	58	9.1	6.7	7.9	7.9	9.1	b 7.6
28	6.7	b 7.0	5.6	9.1	18	5.6	9.1	7.9	5.6	7.9	7.9	b 7.8
29	7.9	b 7.0	5.6	5.6	---	5.6	9.1	7.9	5.0	9.1	7.9	b 8.0
30	7.9	6.7	5.6	5.6	---	5.6	9.1	7.9	5.0	9.1	7.9	b 8.4
31	7.9	---	5.6	6.7	---	5.0	---	9.1	---	9.1	6.7	---

MEAN	6.70	15.6	7.83	60.9	6.49	31.0	8.26	9.06	8.22	7.48	7.11	7.96
ACRE-FOOT	412	930	481	3740	360	1910	492	557	489	460	437	473

YEAR OR PERIOD MEAN 14.8
 ACRE-FOOT 10,740

STATION DATA SUMMARY

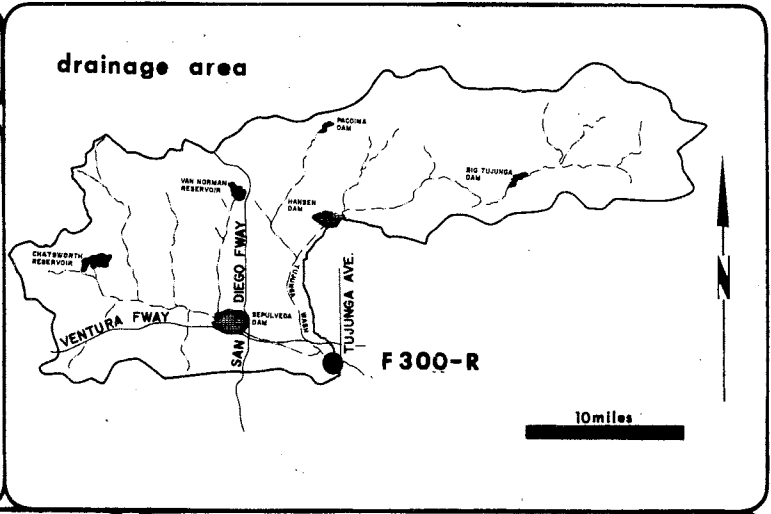
STA. NO. F285-R

BIRBANK WESTERN STORM DRAIN AT RIVERSIDE DRIVE

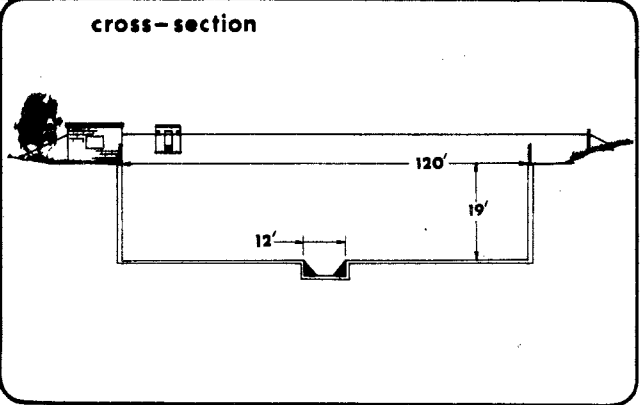
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW		
					MON	DAY	CFS
1950-51	50	1.2	4.0	2870	1	11	920
1951-52	310	1.2	8.9	6490	1	16	1400
1952-53	89	0	4.7	3400	12	20	1380
1953-54	144	2.1	5.7	4140	3	16	1070
1954-55	123	1.2	5.6	4020	1	18	849
1955-56	400	2.0	5.6	4070	1	26	N.D.
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

N.D. = NOT DETERMINED

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



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



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F300-R

DAILY DISCHARGE IN SECOND-FOOT OF Los Angeles River at Tujunga Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 74

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	12.5	10.9	791	59	14.9	34	11.3	13.7	12.2	12.2	10.0	10.9
2	11.8	10.9	38	10.1	13.2	954	113	13.2	13.0	13.0	11.8	10.0
3	11.8	11.6	22	11.7	12.5	340	11.6	13.0	13.2	12.2	10.4	11.6
4	11.6	10.2	b 10.0	2870	11.8	23	11.1	12.7	a 13.6	11.8	10.2	11.6
5	11.1	10.6	b 9.0	550	13.2	11.3	12.0	14.2	a 14.0	11.1	10.6	12.5
6	10.9	10.6	b 9.0	2290	10.9	11.6	11.8	14.2	14.4	11.3	11.3	12.0
7	11.1	11.3	b 9.0	7650	11.8	726	12.0	13.9	13.9	15.9	10.9	12.2
8	27	10.9	b 9.0	822	16.7	2210	12.7	14.2	12.7	11.6	10.2	11.1
9	12.8	10.9	b 9.0	b 55	11.8	b 60	11.3	13.7	12.5	11.8	10.2	11.1
10	9.3	11.1	b 9.0	48	12.5	b 35	10.4	12.5	12.2	11.1	11.1	11.6
11	8.0	12.2	b 10.0	35	14.2	24	10.6	12.2	11.8	10.9	9.3	11.1
12	9.1	12.0	b 10.0	32	13.7	22	11.8	13.7	11.3	11.6	10.2	10.2
13	9.1	12.2	b 10.0	23	12.7	17.7	12.5	12.0	11.8	10.9	9.7	8.7
14	10.2	12.0	b 10.0	18.5	12.2	16.4	12.7	12.5	13.0	11.8	10.0	9.1
15	10.4	11.3	b 10.0	17.5	12.0	16.2	12.5	12.2	12.2	11.6	9.7	9.3
16	10.2	38	b 9.0	72	12.7	15.9	13.2	14.7	12.5	11.1	10.6	10.4
17	9.1	357	b 8.0	262	11.3	15.4	12.0	12.5	11.6	11.6	10.4	11.6
18	9.5	434	b 7.0	48	10.6	15.9	11.6	11.3	12.2	12.0	10.9	12.0
19	9.5	12.2	5.5	26	12.7	16.4	10.6	11.8	12.0	11.6	10.4	10.6
20	9.1	7.6	5.9	122	10.6	15.7	12.2	11.6	13.4	11.8	10.4	10.0
21	8.9	11.4	6.3	29	10.4	15.4	12.2	12.5	12.7	12.0	10.6	9.3
22	8.7	786	282	18.3	12.2	14.9	12.0	13.4	13.7	11.8	10.2	10.2
23	39	122	8.7	16.9	11.6	14.2	11.8	13.7	13.7	15.2	10.2	10.4
24	9.4	b 13	8.0	15.7	11.1	14.7	36	14.2	13.9	11.6	10.6	10.6
25	8.0	b 9.3	7.2	13.9	12.2	15.2	11.6	13.7	13.4	11.3	10.4	11.6
26	10.9	b 5.0	8.2	14.2	13.2	16.4	10.9	13.9	13.7	11.6	9.3	10.2
27	10.2	b 5.0	9.3	13.4	13.9	252	12.0	13.0	15.7	11.1	10.0	8.9
28	10.2	b 6.5	13.0	13.0	61	13.9	11.6	13.7	14.4	10.6	10.4	9.1
29	11.1	b 5.0	8.2	14.4	-----	13.0	11.3	12.7	13.4	11.3	10.6	10.6
30	9.7	b 6.0	8.0	14.2	-----	64	12.0	13.7	12.7	11.8	10.4	9.7
31	9.5	-----	7.2	14.2	-----	15.5	-----	12.7	-----	10.2	10.6	-----

MEAN	11.6	66.2	44.1	490	14.2	163	15.9	13.1	13.0	11.8	10.4	10.6
ACRE-FOOT	713	3940	2710	30150	789	10000	949	807	775	725	638	631

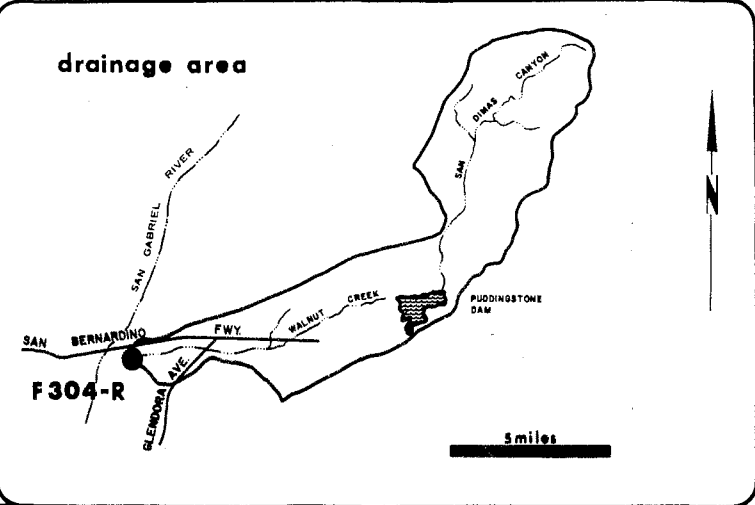
YEAR OR PERIOD MEAN 73.0
 ACRES-FOOT 52830

STATION DATA SUMMARY

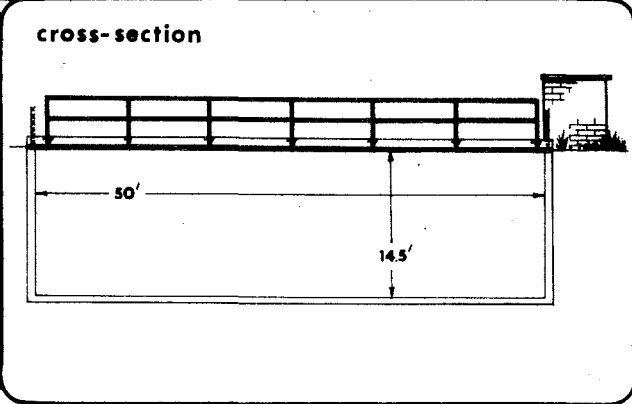
STA. NO. F300-R
LOS ANGELES RIVER AT TUJUNGA AVENUE

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

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



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



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F304-R

DAILY DISCHARGE IN SECOND-FOOT OF WALNUT CREEK at Puente Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 1974

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.2	0.9	16.3	9.7	0.6	1.2	7.5	2.1	1.6	1.6	0.9	1.6
2	0.9	0.4	2.1	1.2	0.9	8.4	6.4	2.1	2.1	1.6	1.6	1.2
3	0.6	0.4	1.2	0.6	0.6	8.8	1.6	2.1	2.1	1.2	1.6	1.2
4	0.4	0.2	1.2	3.2	0.6	1.2	1.6	1.6	2.7	1.6	1.6	0.9
5	0.4	0.4	2.1	7.0	1.2	1.2	2.1	10.2	1.6	1.6	1.2	1.2
6	0.6	0.6	2.1	9.5	0.9	0.9	2.1	1.2	1.2	2.1	0.9	1.2
7	0.4	0.6	1.6	7.9	0.6	7.3	2.1	1.2	0.9	1.6	3.3	1.2
8	0.2	0.6	0.9	1.4	0.6	2.4	1.6	0.6	1.6	1.6	1.6	0.9
9	0.4	0.9	0.6	8.6	1.2	2.7	1.2	0.9	2.1	0.9	0.9	1.2
10	0.4	0.9	0.6	10.7	0.9	2.1	2.1	0.6	2.7	1.2	2.1	0.6
11	0.2	0.9	0.6	4.0	0.9	1.6	1.6	0.9	2.1	0.9	1.6	2.7
12	0.2	0.6	0.6	4.0	0.9	2.1	2.1	1.2	1.6	0.9	1.6	0.9
13	0.4	0.6	1.6	4.5	0.9	1.6	1.6	0.6	2.7	2.1	1.2	1.2
14	0.2	0.4	0.9	4.5	1.2	0.9	2.7	0.9	1.6	2.1	0.9	2.1
15	0.2	0.9	1.6	4.0	0.9	0.9	1.2	0.6	2.7	1.6	1.2	1.6
16	0.4	0.9	1.6	4.7	0.9	1.6	2.1	0.6	2.7	0.9	1.2	1.2
17	0.4	2.4	1.2	4.2	1.2	1.6	2.1	0.6	2.1	0.9	1.2	0.9
18	0.4	8.6	1.6	1.2	1.2	0.9	2.1	0.6	2.1	0.9	1.2	0.6
19	0.4	2.7	0.6	1.2	1.2	0.9	1.6	0.6	2.7	1.2	1.2	0.6
20	0.4	2.1	0.4	14.4	0.9	1.2	2.1	0.6	2.1	1.2	1.2	0.9
21	0.6	2.1	0.9	1.2	0.9	1.2	2.7	0.6	2.7	1.6	1.2	0.6
22	0.9	7.4	6.1	14.1	0.9	0.6	2.7	0.9	2.7	0.9	1.2	0.9
23	0.9	16.5	0.6	3.7	0.9	0.9	2.1	0.6	3.3	0.9	1.2	0.6
24	0.6	3.3	0.9	7.9	0.6	0.9	2.7	0.9	2.7	1.2	0.9	0.2
25	0.2	1.2	0.9	4.2	0.6	0.9	1.6	1.2	2.1	1.2	1.2	0.2
26	0.1	2.7	1.2	4.5	0.9	1.2	1.6	2.1	2.7	1.2	1.2	0.4
27	0.1	2.1	1.2	4.5	1.2	15.9	1.6	2.1	1.6	0.9	0.6	0.2
28	0.1	1.6	1.6	2.7	6.5	1.2	1.2	2.1	1.6	1.2	0.9	0.1
29	0.2	1.6	1.2	1.2	1.2	1.2	1.6	2.1	2.7	0.9	1.2	0.4
30	0.9	1.6	2.7	0.9	1.6	1.6	1.6	2.1	1.6	2.1	1.2	0.6
31	0.9		2.7	0.6		1.2		3.3		1.2	1.2	

MEAN ACRE- FEET	0.43	7.72	1.92	71.6	1.10	14.9	4.15	1.54	2.16	1.32	1.30	0.94
	26	460	118	4400	61	919	247	95	128	81	80	56
YEAR OR PERIOD	MEAN ACRE-FEET											
	9.21											
	6670											

STATION DATA SUMMARY

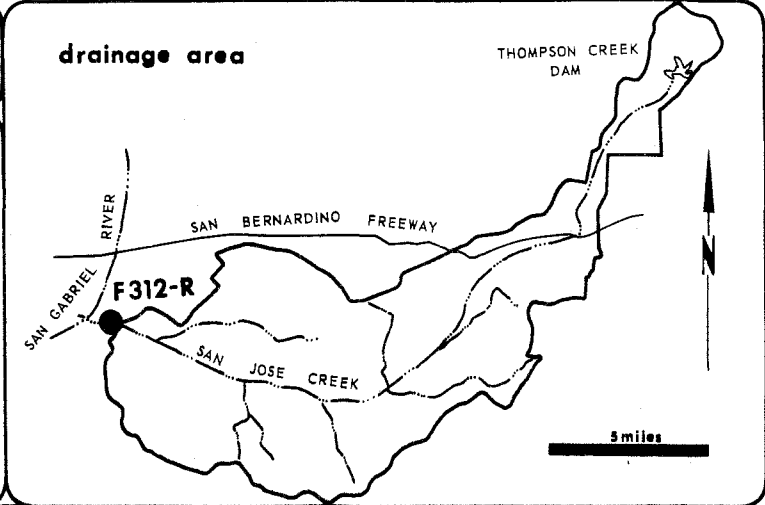
STA. NO. F304-R
WALNUT CREEK AT PUENTE AVENUE

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

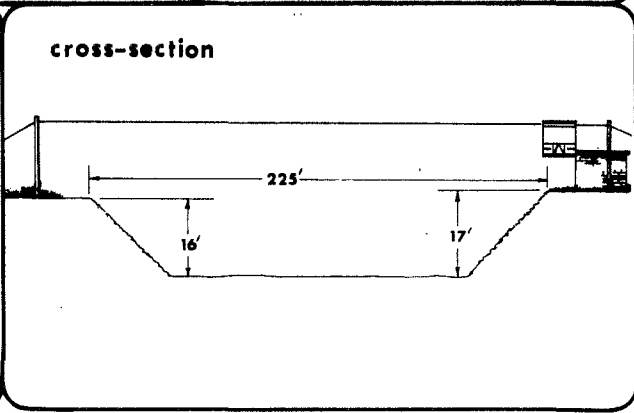
* = RECORD INCOMPLETE

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

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



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



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F312-R

DAILY DISCHARGE IN SECOND-FOOT OF SAN JOSE CHANNEL above Workman Mill Road FOR THE WATER YEAR ENDING SEPTEMBER 30, 1974

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	d 19	d 17	54	34	23	16	11	d 13	14	13	13	13
2	d 19	d 14	14	23	23	330	95	d 14	13	12	14	13
3	d 21	d 11	13	23	22	40	18	d 14	14	13	14	13
4	d 18	d 19	14	1100	23	17	17	d 13	14	14	12	14
5	d 21	d 21	17	200	22	15	17	d 13	13	14	13	11
6	d 21	d 17	17	800	21	14	17	d 21	14	11	12	12
7	d 19	d 14	17	1970	23	160	14	d 14	16	11	12	12
8	d 19	d 17	8	350	19	930	15	d 13	16	12	14	12
9	d 19	d 15	15	60	23	30	15	d 13	14	13	14	14
10	d 19	d 25	19	18	21	19	17	13	15	13	13	15
11	d 15	d 19	17	18	23	19	14	14	13	12	12	14
12	d 14	d 21	17	17	22	18	15	15	11	14	12	14
13	d 15	d 21	22	13	22	18	15	15	12	14	14	13
14	d 14	d 21	19	13	25	18	13	14	14	13	14	15
15	d 18	d 23	17	13	25	17	13	15	14	12	13	17
16	d 18	d 25	17	17	22	17	11	17	13	14	12	16
17	d 17	d 100	19	60	25	16	11	16	13	12	13	14
18	d 17	d 170	17	13	21	15	11	15	13	11	11	12
19	d 17	d 14	15	13	22	14	14	13	13	12	13	12
20	d 14	d 11	23	45	22	13	13	16	13	11	10	14
21	d 17	d 11	21	20	22	11	13	15	12	10	11	12
22	d 17	d 140	34	17	21	13	13	15	13	12	12	13
23	d 25	d 35	18	17	15	11	11	16	13	13	12	14
24	d 28	d 17	22	17	17	10	9	14	14	13	13	14
25	d 28	d 18	21	17	19	13	9	15	13	12	12	14
26	d 23	d 17	21	17	22	14	10	14	12	13	14	13
27	d 15	d 18	25	17	25	60	11	14	12	15	11	12
28	d 15	d 17	23	17	23	15	13	14	12	14	10	12
29	d 19	d 18	22	20		13	15	14	13	14	12	13
30	d 18	d 17	21	21		15	14	15	13	14	13	13
31	d 18		22	22		11		14		13	14	

MEAN	18.0	30.1	20.0	161	21.9	62.0	16.1	14.5	13.3	12.7	12.5	13.4
ACRE FEET	1100	1790	1230	9920	1220	3810	960	890	790	780	770	800

YEAR OR PERIOD MEAN ACRE-FEET 33.3
24060

2089 FCD 10/73

STATION DATA SUMMARY

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

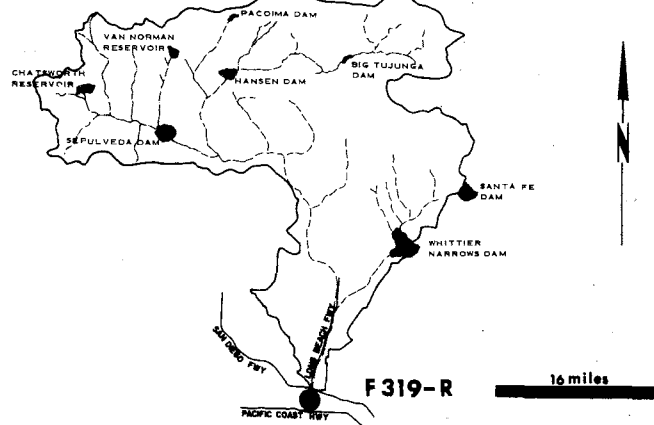
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW		
					MON	DAY	CFS
1955-56	1830	0	5.6	4070	1	26	5180
1956-57	190	0	1.1	795	3	1	1410
1957-58	1210	0	19.4	14060	4	7	3990
1958-59	487	0	4.4	3210	1	6	2720
1959-60	253	0	4.7	3430	4	27	1380
1960-61	103	0	0.6	403	1	26	429
1961-62	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	24060	1	4	4900

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

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

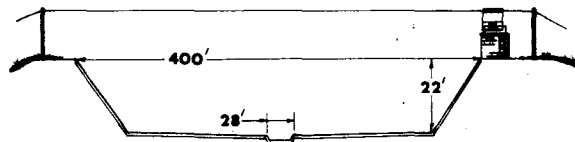


drainage area



RECORDER - continuous water stage
 METHOD OF MEASUREMENTS - wading or from cable car
 DRAINAGE AREA - 815.0 square miles (excludes area above Santa Fe Dam)
 LOCATION - 900.0 feet below Wardlow Road, Long Beach
 REGULATION - flow is subject to the same 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



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F319-R

DAILY DISCHARGE IN SECOND-FOOT OF LOS ANGELES RIVER Below Wardlow Road FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 73

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	28	25	a 29	21	37	142	53	46	40	40	36	30
2	26	31	a 38	22	26	64	55	38	36	36	45	24
3	31	30	a 26	27	1320	50	62	42	33	41	46	22
4	29	31	2720	28	850	81	61	42	33	41	45	24
5	29	48	246	28	150	49	61	49	36	38	38	36
6	29	40	42	25	3320	403	67	41	41	46	35	35
7	32	34	1690	26	5140	496	67	41	39	44	42	31
8	29	114	427	26	245	1800	55	38	51	34	42	34
9	25	28	111	682	82	350	45	39	39	35	42	28
10	30	34	33	374	1630	73	54	40	32	44	44	26
11	29	1490	29	37	16170	1170	58	40	30	54	46	29
12	28	112	33	33	1630	661	34	44	34	62	35	32
13	32	47	33	29	3410	281	34	48	35	57	35	39
14	29	3140	32	22	676	144	45	37	37	55	53	33
15	27	237	30	22	569	144	39	36	35	46	49	32
16	35	3300	29	6030	200	109	44	37	33	49	40	32
17	31	1630	27	1830	162	71	50	36	31	62	36	28
18	31	117	30	4930	142	71	45	35	34	49	34	33
19	295	42	32	1070	124	75	34	40	45	44	35	31
20	328	36	32	108	104	2370	22	36	39	48	44	28
21	36	34	31	53	71	692	21	38	44	42	41	28
22	24	30	45	62	71	737	26	45	46	33	35	28
23	24	27	30	51	68	91	25	39	60	37	35	28
24	28	24	26	51	61	75	34	36	48	44	35	33
25	25	a 25	22	48	58	68	32	37	44	44	39	30
26	24	a 26	19.7	48	49	105	33	39	57	48	32	24
27	30	a 26	25	44	544	55	44	27	57	49	27	28
28	27	a 28	29	35	2880	54	45	28	39	44	32	21
29	24	a 27	30	33		48	41	28	49	36	32	77
30	22	a 29	23	584		50	35	28	46	39	26	44
31	24		20	84		53		38		36	30	

MEAN	46.5	361	193	531	1420	343	45.4	38.3	40.8	44.4	38.2	31.6
ACRE-FOOT	2860	21500	11840	32650	78920	21090	2700	2360	2430	2730	2350	1880

YEAR OR PERIOD MEAN ACRE-FOOT 253
183,300

**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. **F319-R**

DAILY DISCHARGE IN SECOND-FEET OF **LOS ANGELES RIVER** below Wardlow Road FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 **74**

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	25	23	1150	198	33	275	46	34	29	31	27	19.4
2	27	25	224	71	31	2960	429	36	25	31	28	17.0
3	27	27	50	28	27	1170	70	36	29	32	28	25
4	30	24	38	5780	28	143	37	38	37	36	23	33
5	26	21	29	1450	36	41	31	30	33	34	22	30
6	24	27	27	4720	35	30	32	110	31	31	34	29
7	22	27	25	17200	30	1150	30	41	33	28	32	29
8	25	30	25	3950	32	7310	33	39	31	31	33	25
9	48	32	23	603	37	338	33	35	24	32	32	24
10	45	29	21	200	35	98	31	33	27	35	30	30
11	29	25	28	162	30	71	29	29	32	26	24	30
12	27	24	28	137	34	65	36	27	33	28	23	30
13	26	28	30	124	32	57	35	27	32	29	30	27
14	21	27	30	85	33	55	45	34	34	24	27	25
15	20	27	48	62	36	55	33	37	32	28	58	19.4
16	19.4	34	34	80	35	50	32	35	24	38	28	19.4
17	22	578	34	748	32	51	32	36	24	36	29	22
18	19.4	1790	35	189	25	53	34	33	28	36	17.8	24
19	27	79	31	71	32	60	33	26	29	33	17.8	22
20	30	26	30	313	36	58	32	30	28	31	32	21
21	25	33	45	286	31	60	28	38	31	30	26	22
22	24	1480	677	60	29	58	27	40	62	30	25	17.8
23	78	1150	73	51	30	60	31	36	65	57	25	20
24	84	58	30	42	26	53	44	39	60	49	25	27
25	39	39	24	30	25	58	57	37	33	46	21	26
26	31	31	22	29	30	75	40	31	31	33	22	30
27	28	29	30	26	30	927	31	30	30	30	25	36
28	21	28	30	26	101	99	25	31	34	21	24	29
29	24	25	30	28	--	73	28	33	70	24	26	20
30	30	22	27	31		70	34	29	57	31	27	20
31	29		25	30		104		29		31	25	

MEAN CFS	30.7	193	95.3	1190	34	507	48.7	36.1	35.6	32.7	27.5	25.0
TOTAL ACRE- FEET	1890	11500	5860	73010	1890	31200	2900	2220	2120	2010	1690	1490

YEAR MEAN
OR PERIOD ACRE-FEET 190
137.800

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 MIN DAY CFS
1955-56	12700	7.0	133	46810	1 26 40500
1956-57	4550	5.5	67.3	48710	2 23 25000
1957-58	10400	6.4	264	141200	2 19 43800
1958-59	6360	7.2	68.2	49380	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	75.6	54700	2 4 31400
1963-64	4150	5.3	64.8	47020	1 22 16000
1964-65	5150	4.1	106	76680	4 4 30100
1965-66	22500	3.0	342	247900	12 29 61500
1966-67	12400	4.9	237	171900	11 7 43700
1967-68	13600	18	173	125800	3 8 48400
1968-69	55000	16	1150	832000	1 25 102000
1969-70	5300	22	128	92070	2 28 5300
1970-71	20600	20	2018	1453000	11 29 65100
1971-72	8550	17	106	77560	12 24 28700
1972-73	16170	20	254	184050	2 11 50800
1973-74	17200	17	190	137800	1 7 42800

A = RECORDER FAILED - FLOW COMPUTED BY ADDING DIS OF STATIONS
NOS. F340-R, F458-R, + 104.6X OF F378-R

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



drainage area



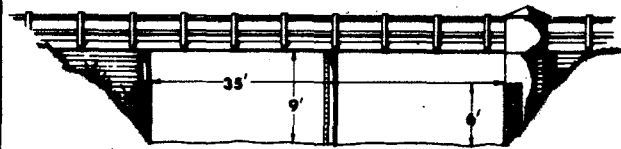
F 328-R

5 miles



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 74

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	0	+	0	0	0	0	0	0
2	0	0	0	0	0	0.2	0	0	0	0	0	0
3	0	0	0	0	0	0.3	0	0	0	0	0	0
4	0	0	0	+	0	0	0	0	0	0	0	0
5	0	0	0	0.1	0	0	0	0	0	0	0	0
6	0	0	0	0.2	0	0	0	0	0	0	0	0
7	0	0	0	2.8	0	0.6	0	0	0	0	0	0
8	0	0	0	0.2	0	1.5	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
17	0	0	0	0.2	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	0.1	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	---	0	0	0	0	0	0	0
30	0	0	0	+	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0

MEAN	0	0	0	0.12	0	0.08	0	0	0	0	0	0
ACRE- FEET	0	0	0	7.5	0	5.2	0	0	0	0	0	0

YEAR OR PERIOD _____ MEAN _____
 ACRE-FEET _____ 0.02
 _____ 13

STATION DATA SUMMARY

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

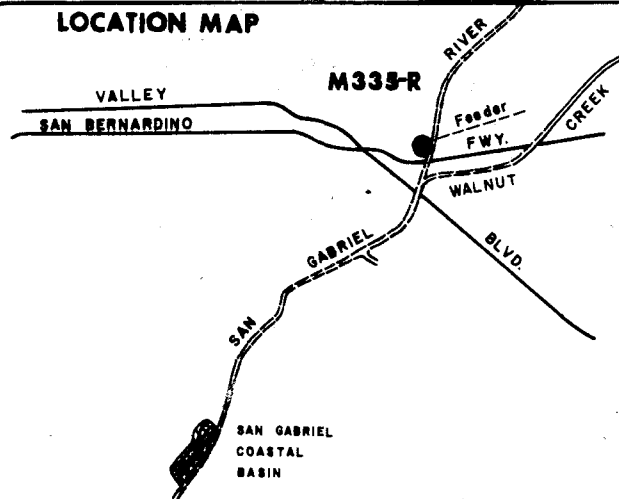
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW		
					MON	DAY	CFS
1957-58	66	0	0.6	435	12	15	708
1958-59	14	0	+	44	1	6	317
1959-60	0.3	0	+	2.0	1	10	8.1
1960-61	3.6	0	+	14	11	5	64
1961-62	49	0	0.4	257	2	11	176
1962-63	3.0	0	+	26	9	18	70
1963-64	13	0	0.1	45	4	1	111
1964-65	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

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

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



LOCATION MAP



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	41.4	30320
1959-60	246	0	59.5	43190
1960-61	347	0	93.5	67680
1961-62	347	0	186	134513
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	50.4	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

**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. M335-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER-M.W.D. OUTLET below Ramona Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 74

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	229	124	0	0	0	0	0	0	0	0	0	0
2	240	124	0	0	0	0	0	0	0	0	0	0
3	232	124	0	0	0	0	0	0	0	0	0	0
4	223	125	0	0	0	0	0	0	0	0	0	0
5	231	125	0	0	0	0	0	0	0	0	0	0
6	230	125	0	0	0	0	0	0	0	0	0	0
7	236	125	0	0	0	0	0	0	0	0	0	0
8	225	185	0	0	0	0	0	0	0	0	0	0
9	231	251	0	0	0	0	0	0	0	0	0	0
10	231	251	0	0	0	0	0	0	0	0	0	0
11	235	251	0	0	0	0	0	0	0	0	0	0
12	178	168	0	0	0	0	0	0	0	0	0	0
13	111	0	0	0	0	0	0	0	0	0	0	0
14	111	0.1	0	0	0	0	0	0	0	0	0	0
15	139	0.3	0	0	0	0	0	0	0	0	0	0
16	234	0.3	0	0	0	0	0	0	0	0	0	0
17	248	0.3	0	0	0	0	0	0	0	0	0	0
18	248	0.3	0	0	0	0	0	0	0	0	0	0
19	248	0.3	0	0	0	0	0	0	0	0	0	0
20	248	0.1	0	0	0	0	0	0	0	0	0	0
21	248	0	0	0	0	0	0	0	0	0	0	0
22	248	0	0	0	0	0	0	0	0	0	0	0
23	248	0	0	0	0	0	0	0	0	0	0	0
24	246	0	0	0	0	0	0	0	0	0	0	0
25	251	0	0	0	0	0	0	0	0	0	0	0
26	253	0	0	0	0	0	0	0	0	0	0	0
27	253	0	0	0	0	0	0	0	0	0	0	0
28	252	0	0	0	0	0	0	0	0	0	0	0
29	252	0	0	0	0	0	0	0	0	0	0	0
30	252	0	0	0	0	0	0	0	0	0	0	0
31	210	0	0	0	0	0	0	0	0	0	0	0

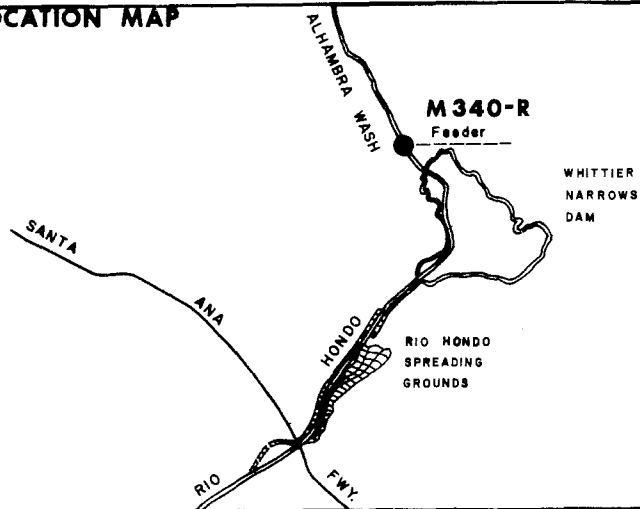
MEAN	226	66.0	0	0	0	0	0	0	0	0	0	0
ACRE FEET	13930	3930	0	0	0	0	0	0	0	0	0	0

YEAR OR PERIOD MEAN ACRE- FEET 24.7 17860

STATION NO. M340-R
ALHAMBRA WASH- MWD OUTLET
ABOVE 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	47.0	70170
1961-62	243	0	102	73810
1962-63	184	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	12670
1969-70	198	0	35.6	25400
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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
 HYDRAULIC DIVISION

STATION NO. M340-R

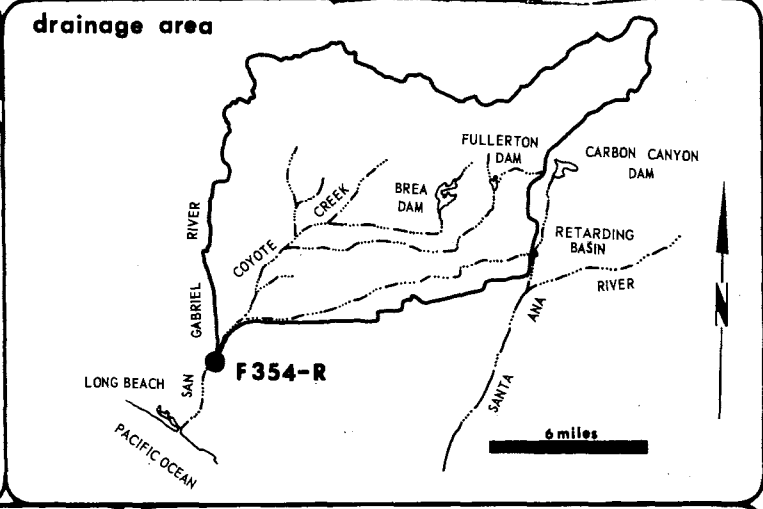
DAILY DISCHARGE IN SECOND-FEET OF Alhambra Wash-Metropolitan Water District Outlet near Rush St. FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 74

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	1.6	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0

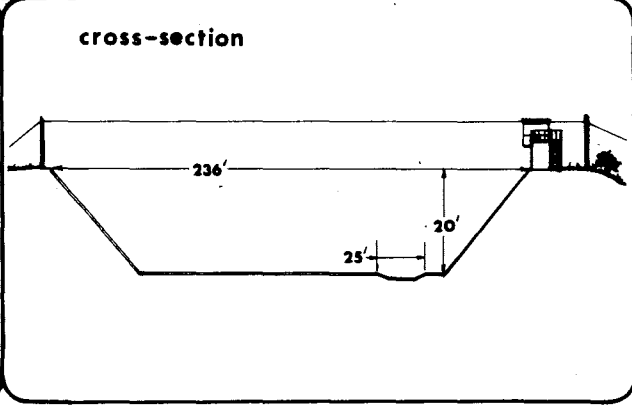
MEAN	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
ACRE- FEET	0	0	0	0	0.06	0	0	0	0	0	0	0
	0	0	0	0	3.2	0	0	0	0	0	0	0

YEAR OR PERIOD MEAN ACRE- FEET 3.2

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



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 correlation:
 Station F41-S, December 1, 1928, to January 14, 1930
 Station F41-R, January 14, 1930, to October 30, 1936
 Station F41B-R, October 30, 1936, to February 17, 1937
 Station F41C-R, February 18, 1937, to February 8, 1956
 Station F320-R, February 9, 1956, to July 2, 1965



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F354-R

DAILY DISCHARGE IN SECOND-FOOT OF ... COYOTE CREEK below Spring Street ... FOR THE WATER YEAR ENDING SEPTEMBER 30, 1974

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	a 4.8	a 4.3	173	a 140	5.2	18.6	10.0	5.5	4.6	6.2	8.1	6.2
2	a 4.8	a 4.3	a 6.7	a 8.8	3.4	12.1	93	5.5	5.2	7.4	10.0	10.0
3	a 4.8	a 4.3	a 6.7	a 8.8	2.3	125	10.0	10.0	5.5	6.2	10.0	9.4
4	a 4.8	a 4.3	a 6.7	1712	3.4	11.4	8.1	4.0	6.2	4.6	12.0	3.4
5	a 4.8	a 4.3	a 6.7	279	2.8	6.8	8.1	4.3	6.8	8.8	15.9	8.8
6	a 4.8	a 4.3	a 6.7	851	4.3	6.2	9.4	12.0	7.4	4.0	12.0	9.4
7	a 4.8	a 4.3	a 6.7	2410	4.9	285	9.4	4.9	8.8	4.3	13.3	10.0
8	a 4.8	4.3	a 6.7	622	4.9	1530	10.7	4.0	7.4	4.0	10.7	10.7
9	a 4.8	6.2	a 6.7	105	4.9	86	6.8	4.0	6.8	4.3	10.7	8.8
10	a 4.8	6.2	a 6.7	22	5.2	24	6.2	4.6	6.8	4.0	8.8	9.4
11	a 4.8	5.5	a 6.7	12.0	7.4	27	7.4	2.8	6.8	6.8	10.0	10.0
12	a 4.8	5.2	a 6.7	7.4	4.6	8.1	8.1	3.4	6.8	4.3	9.4	6.8
13	a 4.8	4.6	a 6.7	7.4	5.5	10.7	8.1	3.4	3.7	4.6	9.4	7.4
14	a 4.8	5.2	a 6.7	6.2	6.2	10.7	9.4	5.5	4.9	4.3	6.8	6.2
15	a 4.8	4.3	d 3.7	7.4	5.5	11.4	8.8	8.8	5.2	4.6	6.8	6.8
16	a 4.8	25	d 3.4	12.0	5.2	12.0	7.4	7.4	4.3	5.5	6.8	6.2
17	a 4.8	215	d 3.4	80	49	12.0	10.7	8.1	5.2	6.2	9.4	4.6
18	a 4.8	269	d. 2.8	8.8	5.5	10.7	5.2	5.2	5.2	9.4	7.4	7.4
19	a 4.8	11.4	a 6.7	6.2	5.5	12.0	6.8	7.4	4.9	9.4	11.4	7.4
20	a 4.8	6.2	a 6.7	39	5.5	12.0	7.4	10.7	5.5	8.1	7.4	6.2
21	a 4.8	21	a 6.7	15.3	5.5	10.6	8.1	15.9	6.2	10.7	9.4	5.5
22	a 4.8	414	a 190	17.2	6.8	7.4	8.8	11.4	5.2	11.4	6.2	6.8
23	a 88	289	a 6.7	14.6	5.5	6.8	8.8	36	4.9	9.4	6.8	8.8
24	a 4.8	8.1	a 6.7	14.6	4.9	8.1	8.1	3.4	5.5	8.1	7.4	8.1
25	a 4.8	6.2	a 6.7	9.4	4.6	8.1	8.8	2.8	6.8	7.4	5.5	9.4
26	a 4.8	5.5	a 6.7	5.5	5.2	9.4	6.8	3.7	5.5	8.1	5.5	6.2
27	a 4.8	5.5	a 6.7	4.9	5.5	182	8.1	4.0	6.2	8.8	6.8	7.4
28	a 4.8	6.8	a 6.7	4.9	49	12.0	7.4	5.5	7.4	5.2	6.8	8.1
29	a 4.8	5.5	a 6.7	5.5	-----	10.0	6.8	4.0	6.8	5.5	7.4	6.2
30	a 4.8	6.8	a 6.7	4.3		9.4	6.2	4.3	8.8	12.0	8.1	6.8
31	a 4.8		a 6.7	5.0		9.4		4.0		9.4	5.5	

MEAN	7.48	45.6	17.5	207.9	8.15	119.4	11.0	6.98	6.04	6.87	8.76	7.81
ACRE-FOOT	460	2710	1080	12790	453	7340	651	430	360	422	539	465

YEAR OR PERIOD _____ MEAN _____ 38.3
 ACRE-FOOT _____ 27700

2059 FCD 10/73

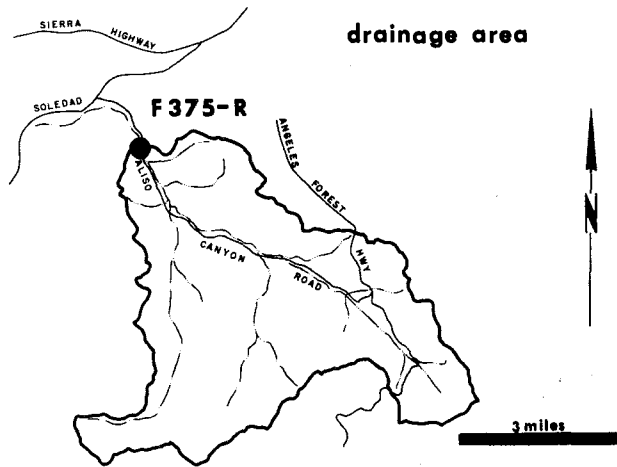
STATION DATA SUMMARY

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

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW		
					MON	DAY	CFS
1963-64	1190	+	10.9	7950	11	15	N.D.
1964-65	800	0.3	16.9	12220	4	9	3350
1965-66	1830	1.2	32.5	23500	12	29	5020
1966-67	1840	1.4	37.9	27450	1	22	6880
1967-68	2350	1.6	26.8	19570	3	8	6970
1968-69	4420	3.1	88.8	64290	1	20	11300
1969-70	1000	2.5	23.0	16680	2	10	4600
1970-71	2320	1.4	32.9	23820	12	19	6200
1971-72	1770	*	*	*	12	27	6620.
1972-73	2350	3.3	60.4	43720	11	14	7810
1973-74	2410	2.3	38.3	27700	1	7	8670

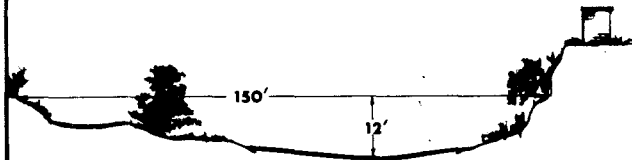
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.
 N.D. = NOT DETERMINED
 * = RECORD INCOMPLETE

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



RECORDER - continuous water stage
 METHOD OF MEASUREMENTS - wading
 DRAINAGE AREA - 23.7 square miles
 LOCATION - at Aliso Canyon road crossing, 2.0 miles east of Acton
 REGULATION - none
 CHANNEL - natural, rock, sand and gravel
 CONTROL - asphalt covered, concrete dip crossing
 LENGTH OF RECORD - January 20, 1966, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
 HYDRAULIC DIVISION

STATION NO. F375-R

DAILY DISCHARGE IN SECOND-FOOT OF ALISO CANYON CREEK at Blum Ranch FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 74

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	0.4	0	1.6	0.2	0	0	0	0
2	0	0	0	0	0.3	14	1.6	0.2	0	0	0	0
3	0	0	0	0	0.2	5.2	1.6	0.2	0	0	0	0
4	0	0	0	0	0.2	2.6	1.6	0.2	0	0	0	0
5	0	0	0	0	0.2	2.1	1.6	0.2	0	0	0	0
6	0	0	0	0	0.2	1.6	1.6	0.1	0	0	0	0
7	0	0	0	12	0.2	1.2	1.2	+	0	0	0	0
8	0	0	0	19	0.2	30	1.2	0	0	0	0	0
9	0	0	0	2.6	0.2	9.1	1.2	0	0	0	0	0
10	0	0	0	0.8	0.2	6.9	1.2	0	0	0	0	0
11	0	0	0	0.5	0.2	5.2	1.2	0	0	0	0	0
12	0	0	0	0.2	0.2	3.8	1.2	0	0	0	0	0
13	0	0	0	0.5	0.2	3.1	1.2	0	0	0	0	0
14	0	0	0	0.5	0.2	3.1	1.2	0	0	0	0	0
15	0	0	0	0.5	0.2	3.1	1.2	0	0	0	0	0
16	0	0	0	0.5	0.2	2.6	1.2	0	0	0	0	0
17	0	0	0	2.6	0.2	2.6	0.8	0	0	0	0	0
18	0	0	0	2.6	0.2	2.6	0.5	0	0	0	0	0
19	0	0	0	2.1	0.2	2.6	0.5	0	0	0	0	0
20	0	0	0	1.2	0.1	2.1	0.5	0	0	0	0	0
21	0	0	0	3.1	0.1	2.1	0.5	0	0	0	0	0
22	0	0	0	2.1	0.1	2.1	0.5	0	0	0	0	0
23	0	0	0	1.2	0.1	2.1	0.5	0	0	0	0	0
24	0	0	0	0.5	0.1	2.1	0.5	0	0	0	0	0
25	0	0	0	0.5	0.1	2.1	0.5	0	0	0	0	0
26	0	0	0	0.5	+	2.1	0.5	0	0	0	0	0
27	0	0	0	0.5	0	2.1	0.5	0	0	0	0	0
28	0	0	0	0.5	0	2.1	0.5	0	0	0	0	0
29	0	0	0	0.5	---	2.1	0.5	0	0	0	0	0
30	0	0	0	0.5		2.1	0.5	0	0	0	0	0
31	0	0	0	0.5		2.1		0	0	0	0	0

MEAN	0	0	0	1.81	0.17	4.08	0.96	0.04	0	0	0	0
ACRE FEET	0	0	0	111	9.3	251	57	2.2	0	0	0	0

YEAR OR PERIOD MEAN ACRE-Feet 0.6
 431

STATION DATA SUMMARY

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

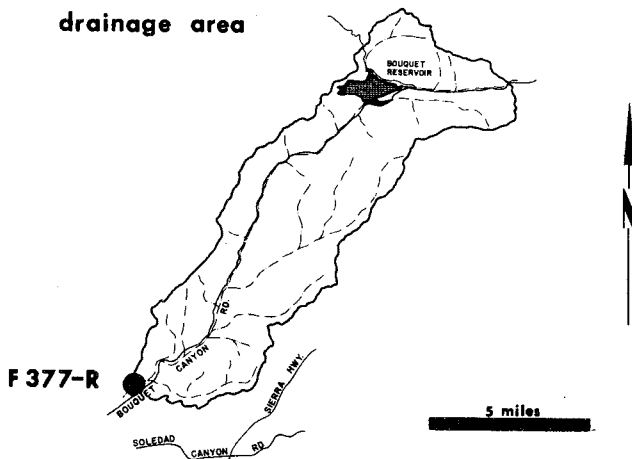
SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW		
					MON	DAY	CFS
1965-66	10	0	N.D.	N.D.	12	29	555
1966-67	88	0	3.3	2400	12	6	219
1967-68	25	0	0.7	481	11	19	116
1968-69	684	0	15.8	11410	1	25	2110
1969-70	43	0	1.2	834	3	2	105
1970-71	162	0	1.1	787	11	29	406
1971-72	20	0	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

N.D. = NOT DETERMINED

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

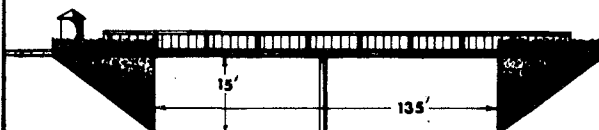


drainage area



RECORDER - continuous water stage
 METHOD OF MEASUREMENTS - wading or from bridge
 DRAINAGE AREA - 51.9 square miles
 LOCATION - Bouquet Canyon Creek at Urbandale Avenue,
 3.5 miles northeast of Saugus
 REGULATION - Bouquet Reservoir
 CHANNEL - concrete sides with natural bottom,
 trapezoidal in section
 CONTROL - concrete stabilizer
 LENGTH OF RECORD - October 11, 1967 to date

cross-section



**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. F377-R

DAILY DISCHARGE IN SECOND-FEET OF BOUQUET CANYON CREEK at Urbandale Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 74

	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	0.1	0	0	0	0	0	0
3	0	0	0	0	0	0.1	0	0	0	0	0	0
4	0	0	0	0.2	0	0	0	0	0	0	0	0
5	0	0	0	1.6	0	0	0	0	0	0	0	0
6	0	0	0	1.1	0	0	0	0	0	0	0	0
7	0	0	0	8.8	0	0.2	0	0	0	0	0	0
8	0	0	0	2.8	0	1.8	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
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
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
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	0.47	0	0.07	0	0	+	+	0	0
ACRE FEET	0	0	0	29	0	4.4	0	0	+	+	0	0

YEAR OR PERIOD _____ MEAN ACRES- FEET _____ + 33

STATION DATA SUMMARY

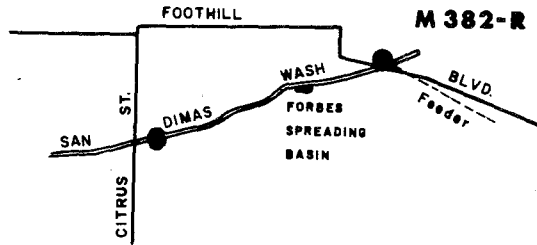
STA. NO. F377-R
 BOUQUET CANYON CREEK AT URRANDALE AVENUE

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

**STATION NO. M 382-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	0.4	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

**LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION**

STATION NO. M382

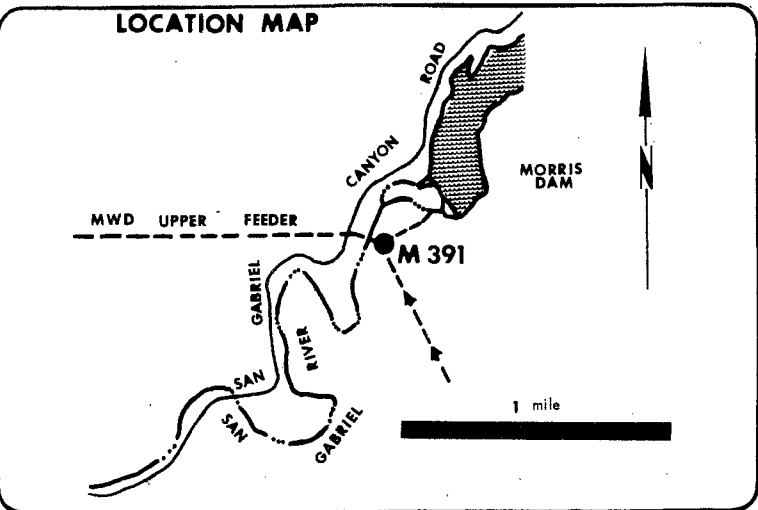
DAILY DISCHARGE IN SECOND-FOOT OF San Dimas Metropolitan Water District outlet above Foothill Blvd. FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 74

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	33	161	0	102	202	138	82	141	140
2	0	0	0	42	161	0	49	201	139	140	141	140
3	0	0	107	40	161	0	120	201	140	140	140	141
4	0	0	217	0	161	69	150	201	141	140	140	140
5	0	0	217	0	161	162	150	200	141	140	141	140
6	0	0	217	0	160	126	150	200	141	140	142	140
7	0	0	217	0	160	0	150	200	141	140	142	140
8	0	0	217	0	160	0	150	200	141	141	141	140
9	0	0	217	0	160	0	151	200	142	140	141	140
10	0	0	217	0	160	0	149	171	142	140	141	140
11	0	0	217	0	160	0	150	139	142	139	142	140
12	0	0	217	0	160	80	150	140	142	139	142	140
13	0	0	217	0	160	160	150	140	142	139	141	140
14	0	0	218	0	161	169	150	140	142	139	141	140
15	0	105	218	0	161	180	150	139	140	140	141	141
16	0	220	218	0	161	180	150	139	140	140	141	140
17	0	110	219	0	161	180	150	139	60	141	141	141
18	0	0	219	0	64	180	150	140	0	140	141	140
19	0	90	220	0	0	180	150	140	0	141	141	140
20	0	220	220	0	0	180	150	140	0	141	141	140
21	0	212	99	0	0	180	150	140	0	141	140	141
22	0	174	0	0	0	180	150	140	0	140	140	141
23	0	0	0	0	0	180	113	140	0	134	140	141
24	0	0	42	0	0	180	0	140	0	140	141	141
25	0	0	80	0	89	117	57	140	0	140	141	143
26	0	90	80	0	162	11	150	140	0	140	140	141
27	0	200	80	0	162	0	150	140	0	140	140	141
28	0	206	80	0	93	87	150	140	0	139	140	141
29	0	220	80	0	---	198	179	140	0	141	140	141
30	0	144	80	86		114	202	140	0	140	140	60
31	0		80	161		0		140		140	140	

MEAN	0	66.4	145	11.7	118	99.8	137	158	77.1	138	141	138
ACRE-FOOT	0	3950	8950	718	6540	6130	8180	9740	4590	8480	8660	8200

YEAR OR PERIOD MEAN ACRE-FOOT 102
74,140

STATION NO. M391
SAN GABRIEL RIVER-MWD OUTLET
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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
 HYDRAULIC DIVISION

STATION NO. M391

DAILY DISCHARGE IN SECOND-FOOT OF SAN GABRIEL RIVER-M.W.D. OUTLET below Morris Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 74

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	159	29	0	0
2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	159	153	0	0
3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	158	154	0	0
4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	157	154	0	0
5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	157	154	88	0
6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	157	154	149	0
7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	157	154	149	0
8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	157	154	149	0
9	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	157	154	149	0
10	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	156	154	149	0
11	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	156	154	149	0
12	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	156	154	149	0
13	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	156	154	150	0
14	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	156	155	150	0
15	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	158	155	150	0
16	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	158	60	150	0
17	0.4	0.4	0.4	0.4	0.4	0.4	0.4	62	141	0	150	0
18	0.4	0.4	0.4	0.4	0.4	0.4	0.4	103	149	0	150	0
19	0.4	0.4	0.4	0.4	0.4	0.4	0.4	103	59	0	150	0
20	0.4	0.4	0.4	0.4	0.4	0.4	0.4	103	0	0	55	0
21	0.4	0.4	0.4	0.4	0.4	0.4	0.4	103	0	0	0	0
22	0.4	0.4	0.4	0.4	0.4	0.4	0.4	103	0	0	0	0
23	0.4	0.4	0.4	0.4	0.4	0.4	0.4	103	0	9	0	0
24	0.4	0.4	0.4	0.4	0.4	0.4	0.4	103	0	0	0	0
25	0.4	0.4	0.4	0.4	0.4	0.4	0.4	103	0	0	0	0
26	0.4	0.4	0.4	0.4	0.4	0.4	0.4	103	0	0	0	0
27	0.4	0.4	0.4	0.4	0.4	0.4	0.4	104	0	0	0	0
28	0.4	0.4	0.4	0.4	0.4	0.4	0.4	104	0	0	0	0
29	0.4	0.4	0.4	0.4	---	0.4	0.4	104	0	0	0	0
30	0.4	0.4	0.4	0.4	---	0.4	0.4	134	0	0	0	0
31	0.4	---	0.4	0.4	---	0.4	---	158	---	0	0	---

MEAN	0.4	0.4	0.4	0.4	0.4	0.4	0.4	51.6	95.4	72.7	71.7	0
ACRE-FOOT	25	24	25	25	22	25	24	3170	5680	4470	4440	0

YEAR OR PERIOD _____ MEAN _____
 ACRE-FOOT _____ 24.8
 17930

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 1934 the impounding 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.

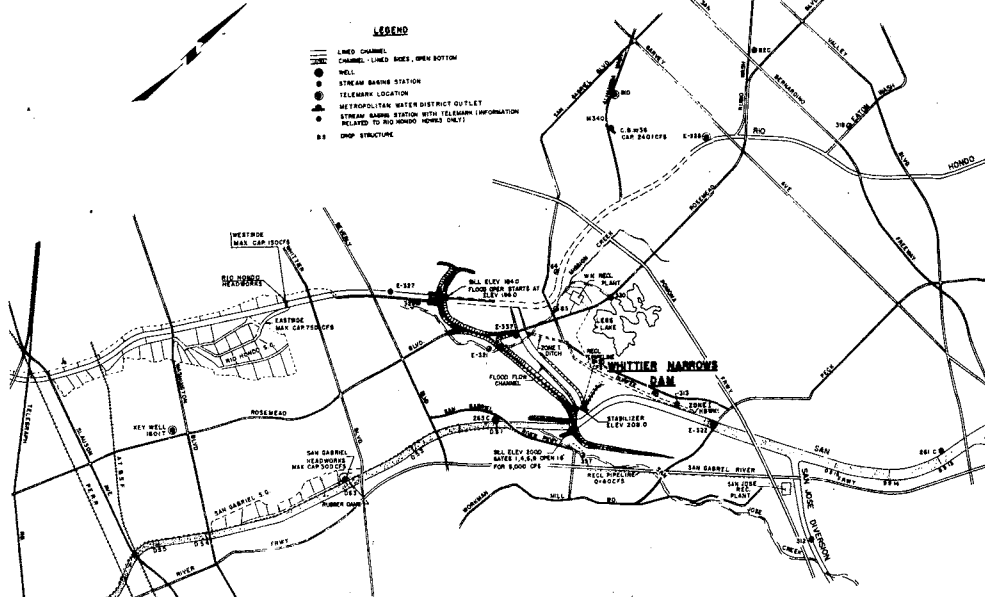
G = measured flow of San Gabriel River above Parkway Bridge, Station F86-S.

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.

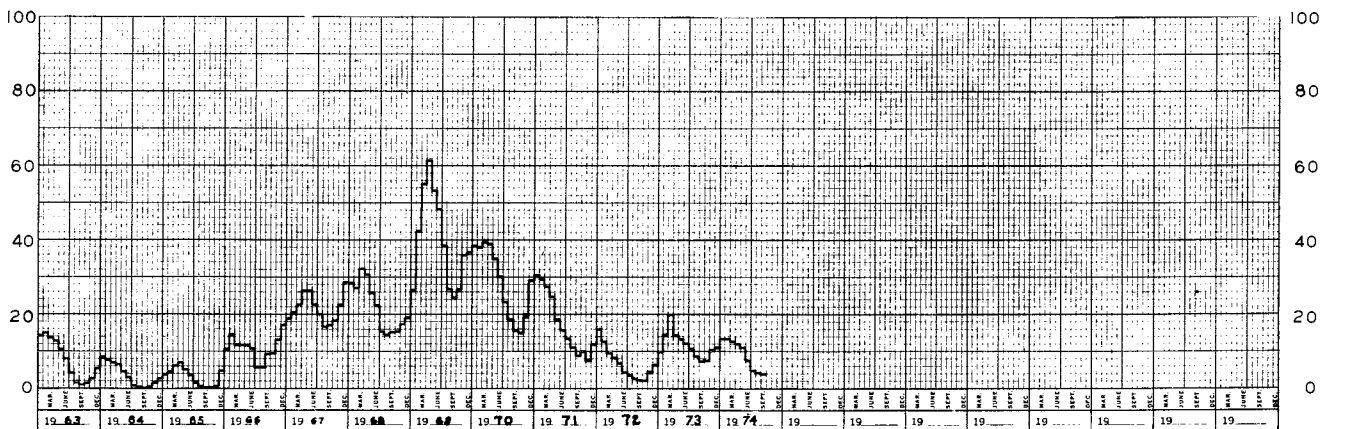
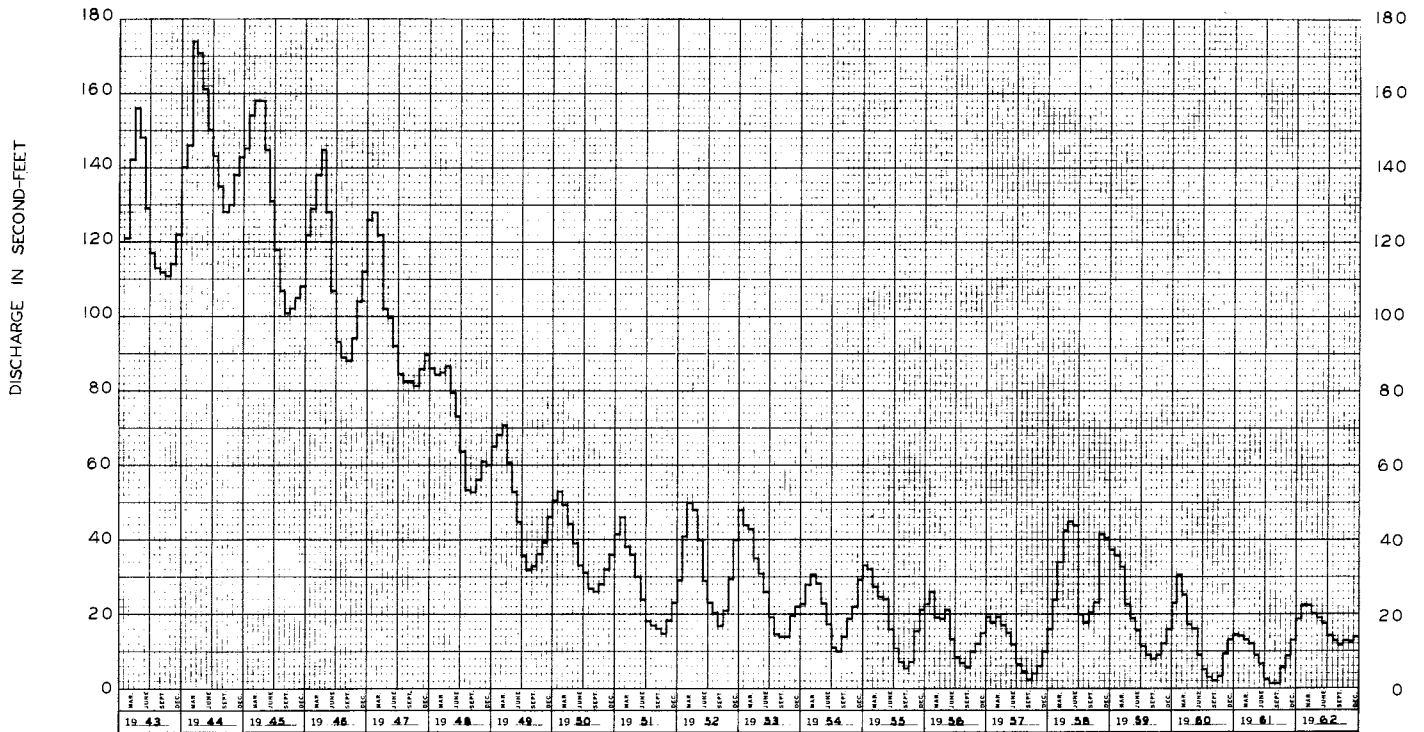
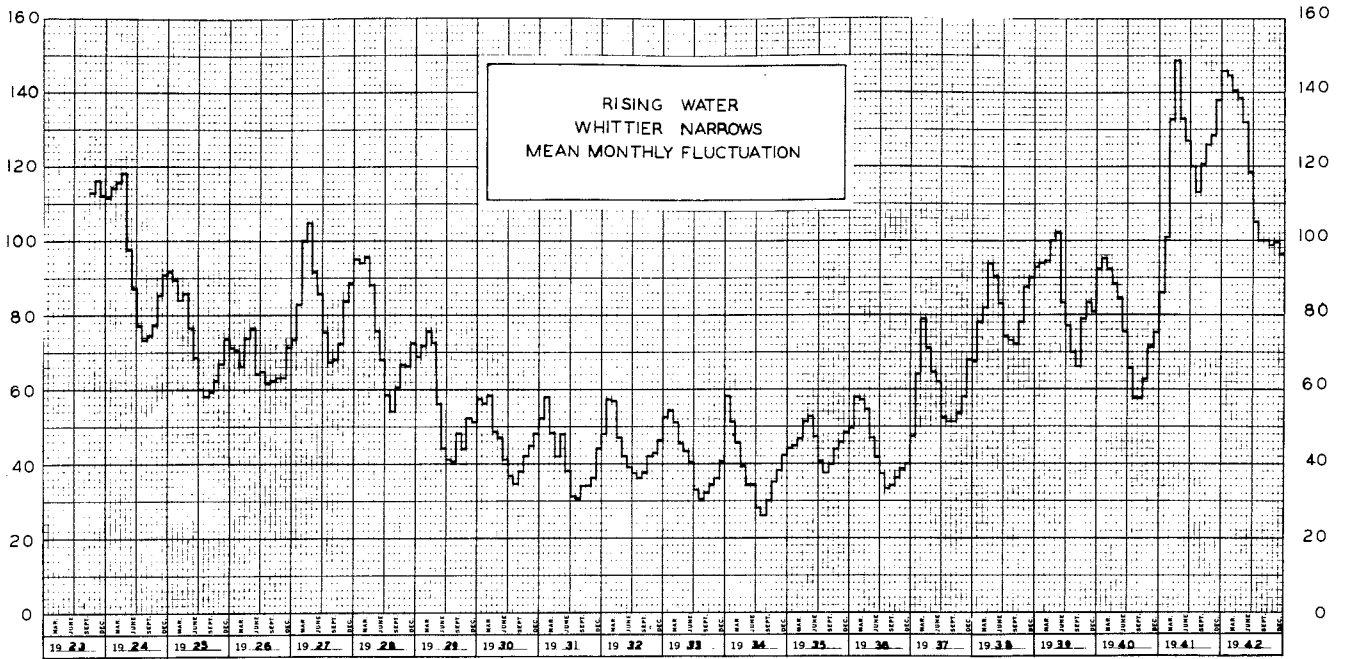


DAILY DISCHARGE IN SECOND-FOOT OF RISING WATER at Whittier Narrows (Total) FOR THE WATER YEAR ENDING SEPTEMBER 30, 1924

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	5.9	9.4	10.6	12.3	14.2	12.4	13.8	9.8	8.5	6.6	4.0	4.9
2	6.0	9.4	10.6	12.3	14.3	12.4	13.7	9.7	8.5	6.5	3.9	4.9
3	6.1	9.3	10.6	12.4	14.4	12.4	13.5	9.6	8.4	6.3	3.9	5.0
4	6.0	9.3	10.6	13.4	14.6	12.4	13.4	9.5	8.4	6.2	3.9	5.0
5	6.2	9.3	10.5	12.9	14.5	12.4	13.2	9.4	8.4	6.1	3.9	5.0
6	6.5	9.3	10.6	13.3	14.4	12.5	13.0	9.4	8.3	5.9	4.0	4.7
7	6.7	9.3	10.7	14.0	14.3	12.5	12.8	9.3	8.3	5.8	3.9	4.5
8	6.9	9.2	10.9	16.5	14.4	12.7	12.7	9.2	8.2	5.7	4.0	4.2
9	7.0	9.5	11.0	15.1	14.2	12.4	12.5	9.1	8.1	5.6	4.0	4.1
10	7.3	9.8	11.2	13.8	14.2	12.4	12.3	9.0	8.1	5.5	4.0	3.7
11	7.5	10.1	11.3	13.7	14.2	12.5	12.2	8.9	8.0	5.4	4.0	3.5
12	7.7	10.4	11.4	13.6	14.2	12.5	12.1	8.8	8.0	5.3	4.0	3.4
13	8.0	10.5	11.5	13.6	14.2	12.5	12.0	8.7	7.9	5.1	4.1	3.5
14	8.1	10.6	11.3	13.6	14.1	12.5	11.9	8.6	7.9	5.0	4.0	3.4
15	8.4	10.6	11.3	13.4	14.0	12.5	12.1	8.6	7.9	4.9	3.9	3.5
16	8.6	10.7	11.2	13.4	13.9	12.6	12.6	8.7	7.8	4.8	3.9	3.6
17	8.8	10.7	11.1	13.4	13.8	12.6	12.6	8.8	7.8	4.6	4.0	3.5
18	9.1	10.7	11.0	13.5	13.7	12.6	11.9	8.9	7.7	4.6	4.0	3.6
19	8.9	10.7	11.0	13.6	13.6	12.8	11.8	9.0	7.7	4.6	4.1	3.6
20	8.9	10.7	11.9	13.6	13.5	13.0	11.8	9.0	7.6	4.5	4.1	3.7
21	8.8	10.7	11.0	13.6	13.3	13.2	11.6	9.1	7.5	4.5	4.2	3.7
22	8.7	10.6	11.2	13.6	13.0	13.5	11.5	9.1	7.5	4.5	4.3	3.7
23	8.6	10.7	11.5	13.7	12.8	13.6	11.3	9.0	7.4	4.4	4.3	3.8
24	8.5	10.7	11.7	13.8	12.7	13.8	11.1	9.0	7.4	4.4	4.4	3.8
25	8.4	10.6	11.9	13.8	12.6	14.0	10.9	8.9	7.4	4.4	4.4	3.8
26	8.6	10.6	12.0	13.8	12.5	14.1	10.8	8.9	7.2	4.3	4.5	3.9
27	8.7	10.7	12.0	13.9	12.4	14.3	10.7	8.8	7.2	4.3	4.6	3.8
28	8.9	10.6	12.1	14.0	12.4	14.3	10.6	8.8	7.0	4.3	4.6	3.8
29	8.9	10.6	12.2	14.0		14.2	10.3	8.7	6.9	4.3	4.7	3.8
30	9.1	10.6	12.2	14.0		14.1	19.9	8.7	6.8	4.2	4.7	3.7
31	9.3		12.2	14.0		13.9		8.6		4.2	4.7	

MEAN	7.91	10.2	11.3	13.7	13.7	13.0	12.0	9.02	7.79	5.06	4.16	3.97
ACRE-FOOT	486	607	693	840	762	801	735	555	464	311	256	236

YEAR OR PERIOD MEAN ACRE-FOOT 9.29 6730



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 addition, five Corps of Engineers' dams and Morris Dam owned by The Metropolitan Water District were utilized to achieve flood control and water conservation. The Corps of Engineers' dams are: Hansen Dam on Tujunga Wash, Sepulveda Dam on the Los Angeles River, Santa Fe Dam on the San Gabriel River, and 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

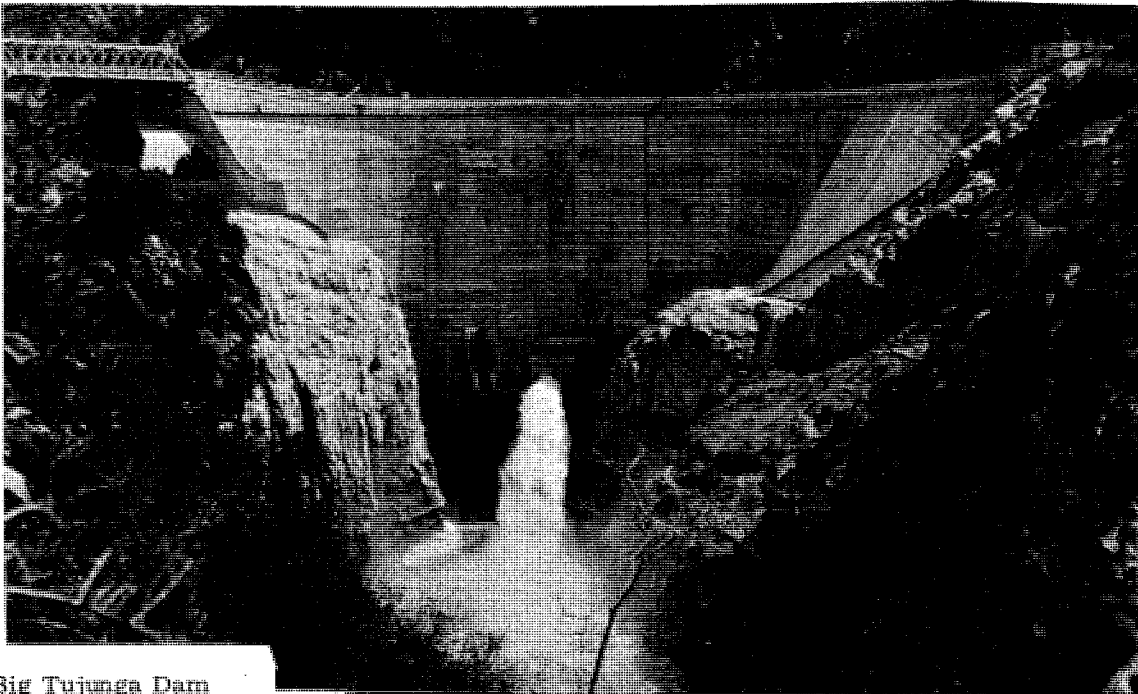
The daily storage and flow records at 14 of the District reservoirs are summarized on the Dam Operation Record Sheets. The sheets show:

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.

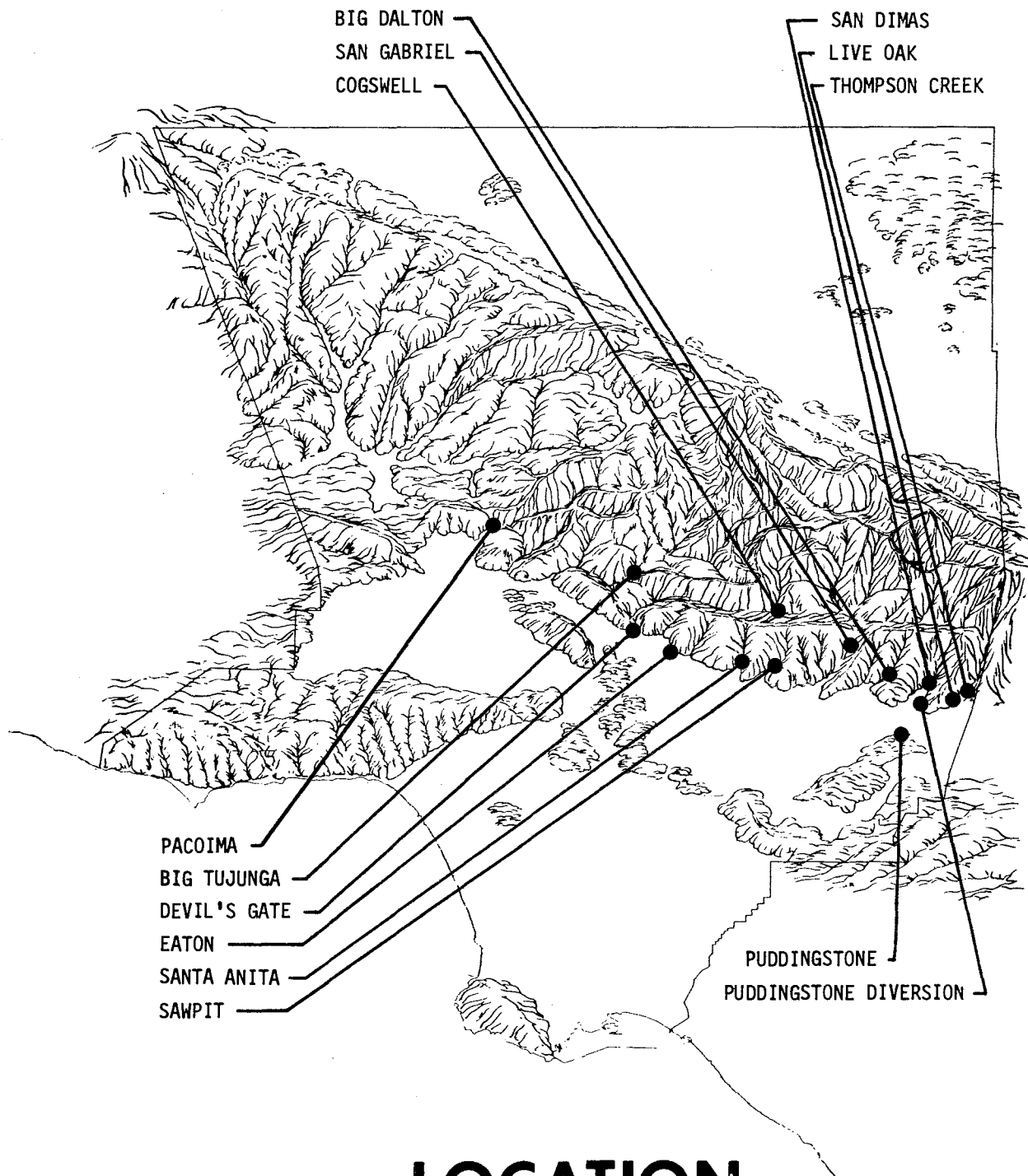
2. Storage in acre-feet based on the most recent topographic surveys.
3. Inflow in cubic feet per second. This is usually calculated from storage change and known outflow. When outflow is not known, the inflow may be determined from gaging station records or interpolated between measurements.
4. Outflow 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.



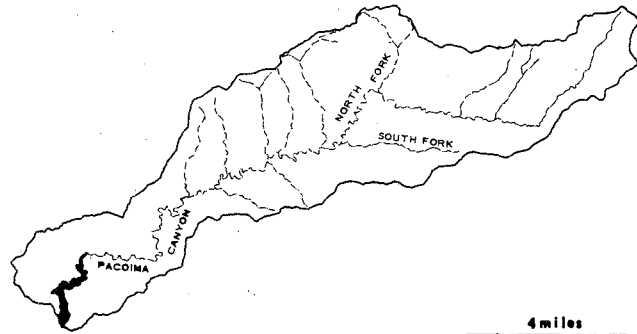
Big Tujunga Dam



LOCATION OF DISTRICT RESERVOIRS

PACOIMA DAM AND RESERVOIR

drainage area



PURPOSE -
Flood Control and Conservation

DATE CONSTRUCTED -
Started March 1925 - Completed February 1929

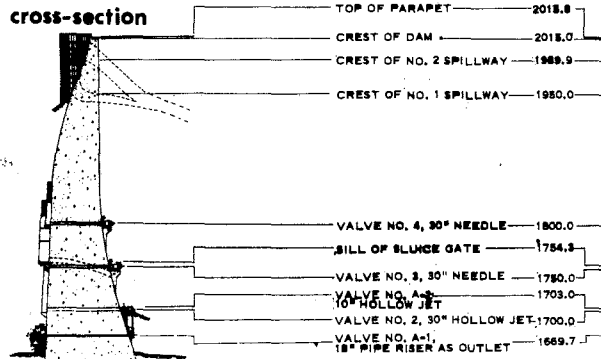
LOCATION -
Pacoima Canyon, 4.0 miles northeast of San Fernando

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	ANNUAL AF	INFLOW MAX-DAY CFS	MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO DAY CFS
1929-30	1110	N.D.	N.D.	965	N.D.
1930-31	1082	N.D.	N.D.	886	N.D.
1931-32	8741	N.D.	N.D.	8443	N.D.
1932-33	2160	101	0	2119	N.D.
1933-34	3454	N.D.	N.D.	3493	1 1 914
1934-35	5569	84	0	5556	N.D.
1935-36	3098	88	0	3094	2 12 248
1936-37	15737	356	0	14210	2 14 508
1937-38	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 17
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

N.D. = NOT DETERMINED

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

Paradise Dam
1973-74

DRAINAGE AREA 78.2 SQ. MI.
CAPACITY OF RESERVOIR 3783 AC. FT.
SPILLWAY ELEVATION 1950.0 FT.
NO. OF DAMS 1973

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

Table with columns for Date, Gage Height, Acre-Ft. Storage, CFS Inflow, CFS Outflow for months OCTOBER, NOVEMBER, DECEMBER, and JANUARY. Includes summary statistics like TOTAL, Inf. Ac. Ft., and Storage Change.

Table with columns for Date, Gage Height, Acre-Ft. Storage, CFS Inflow, CFS Outflow for months FEBRUARY, MARCH, APRIL, and MAY. Includes summary statistics like TOTAL, Inf. Ac. Ft., and Storage Change.

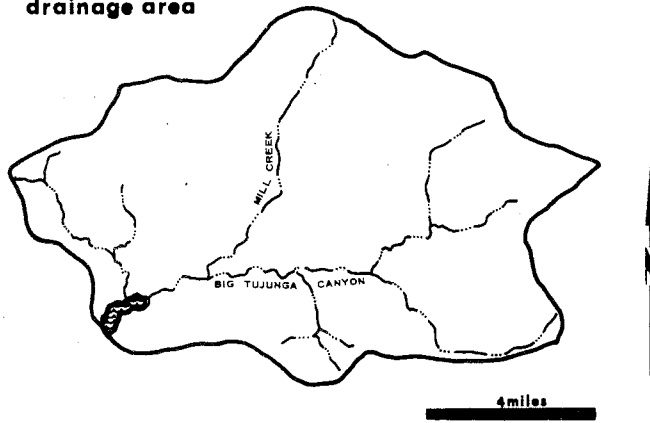
Table with columns for Date, Gage Height, Acre-Ft. Storage, CFS Inflow, CFS Outflow for months JUNE, JULY, AUGUST, and SEPTEMBER. Includes summary statistics like TOTAL, Inf. Ac. Ft., and Storage Change.

INDICATES AVERAGE FOR PERIOD. INDICATES AVERAGE FOR PERIOD. () INDICATES AVERAGE FOR PERIOD.

BIG TUJUNGA DAM AND RESERVOIR



drainage area



PURPOSE -
Flood Control and Conservation

DATE CONSTRUCTED -
Started January 1930 - Completed July 1931

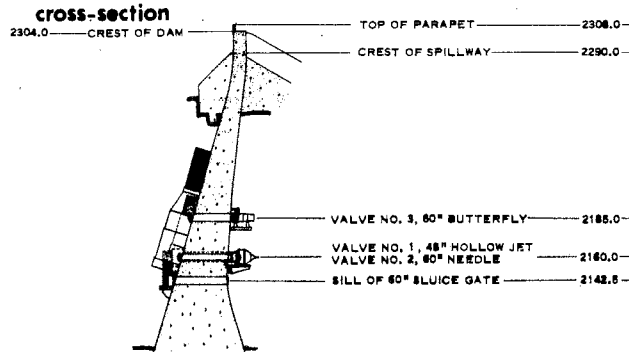
LOCATION -
Big Tujunga Canyon, 10.0 miles northeast of Sunland

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 INFLOW		
					MO	DAY	CFS
1932-33	4342	218	0	451R			N.O.
1933-34	4441	994	0	4234	1	1	2430
1934-35	11992	380	0	10698	4	8	718
1935-36	3875	130	0	550R	2	12	312
1936-37	26969	803	0.6	25729	2	6	1740
1937-38	64855	12030	1.0	65022	3	2	32940
1938-39	9905	327	1.2	9106	12	19	666
1939-40	7058	337	0.4	7197	1	8	2300
1940-41	59402	1200	0.9	59086	3	4	1570
1941-42	7120	70	0.8	7724	12	10	134
1942-43	52877	5700	1.1	52919	1	23	17850
1943-44	42270	2780	5.0	41722	2	22	4770
1944-45	13206	475	1.2	12231	11	11	1850
1945-46	11543	1150	0.8	12383	3	30	2310
1946-47	12987	674	0.9	12827	11	13	1690
1947-48	2679	44	0.7	3579	4	29	85
1948-49	2129	16	0.1	1645	3	11	18
1949-50	2029	32	0.2	1905	2	6	43
1950-51	841	7.7	0.1	1235	4	29	17
1951-52	27288	896	0.3	26125	1	18	2030
1952-53	3496	35	0.1	4873	11	15	108
1953-54	5389	212	0.1	5290	1	25	500
1954-55	2623	30	0.2	2282	1	18	52
1955-56	3026	233	0.4	3433	1	26	582
1956-57	1967	107	0.1	1660	1	13	283
1957-58	27558	1220	0.1	27563	4	3	2860
1958-59	3405	172	0.1	3152	1	6	213
1959-60	1183	12	0.3	1653	1	12	24
1960-61	838	14	0.4	718	11	6	35
1961-62	16711	2540	0.4	16776	2	11	5050
1962-63	1715	90	0.2	1359	2	10	237
1963-64	1526	40	0	2039	1	22	90
1964-65	2429	60	0.4	1503	4	9	165
1965-66	30772	2810	0.6	29779	12	29	10800
1966-67	30158	1180	1.6	30338	12	6	2600
1967-68	10584	352	1.0	11446	11	21	725
1968-69	107609	7800	0	106462	2	25	17800
1969-70	11643	372	1.5	11624	3	1	613
1970-71	12394	1100	2.1	11412	11	29	3970
1971-72	4118	194	0.5	3374	12	24	462
1972-73	15375	1914	0.5	14680	2	11	6320
1973-74	8663	256	0.9	5582	1	7	561

N.O. = NOT DETERMINED

LAM ANGELES COUNTY FLOOD CONTROL DISTRICT
DAM OPERATION RECORD

Hig. Mustang Dam
1975-76

DRAINAGE AREA 180.4 SQ. MI.
CAPACITY OF RESERVOIR 3,560.0 AC. FT.
AT SPILLWAY ELEVATION 1287.0 FT.
as of January 1, 1976

GAGE HEIGHTS AND STORAGES
ARE AS OF MIDNIGHT ON DAY SHOWN.

Table with columns for Day, OCTOBER, NOVEMBER, DECEMBER, JANUARY. Each month has sub-columns for Gage Height, Acre-Fl. Storage, CFS Inflow, CFS Outflow. Includes summary rows for totals and extremes.

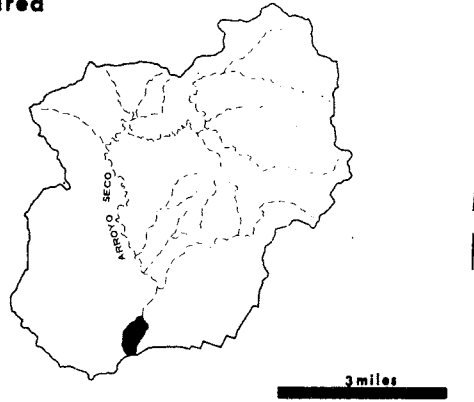
Table with columns for FEBRUARY, MARCH, APRIL, MAY. Each month has sub-columns for Gage Height, Acre-Fl. Storage, CFS Inflow, CFS Outflow. Includes summary rows for totals and extremes.

Table with columns for JUNE, JULY, AUGUST, SEPTEMBER. Each month has sub-columns for Gage Height, Acre-Fl. Storage, CFS Inflow, CFS Outflow. Includes summary rows for totals and extremes.

DEVIL'S GATE DAM AND RESERVOIR



drainage area



PURPOSE -
Flood Control and Conservation

DATE CONSTRUCTED -
Started May 1919 - completed June 1920

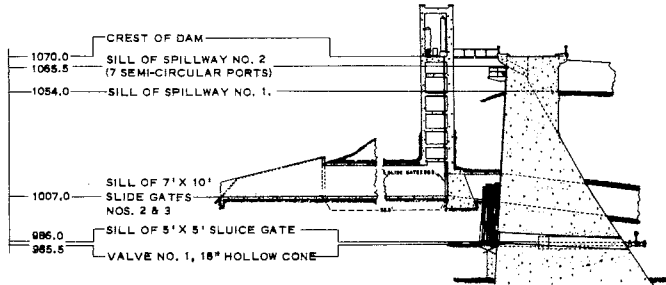
LOCATION -
On Arroyo Seco, northwest of Pasadena

DRAINAGE AREA - 31.9 square miles

CAPACITY - 1,928 acre-feet

SPILLWAY ELEVATION - 1,054.0 feet

cross-section



DEVILS GATE DAM

YEARLY RESERVOIR OPERATION SUMMARY

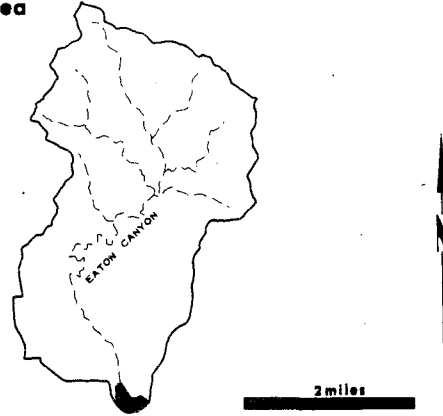
SEASON	ANNUAL AF	INFLOW MAX-DAY CFS	MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO DAY CFS
1933-34	2938	757	0	0	1 1 3310
1934-35	3843	N.D.	0	N.D.	10 17 1310
1935-36	3457	N.D.	0	86	2 2 939
1936-37	12030	340	0	2818	2 6 852
1937-38	25436	3720	0	17496	3 2 10840
1938-39	3044	200	0	634	12 19 201
1939-40	1350	142	0	745	1 8 859
1940-41	27013	1380	0	24582	2 20 3870
1941-42	689	91	0	443	12 10 479
1942-43	25655	2560	0	23552	1 23 7740
1943-44	8680	1450	0	7905	2 22 2310
1944-45	2341	288	0	2031	11 11 949
1945-46	2994	435	0	1343	12 22 1040
1946-47	4045	285	0	3949	12 25 1280
1947-48	260	32	0	57	3 24 444
1948-49	185	14	0	37	3 10 59
1949-50	318	37	0	81	2 6 237
1950-51	171	18	0	17	1 11 468
1951-52	11508	792	0	11377	1 16 2650
1952-53	563	51	0	194	11 15 823
1953-54	1324	178	0	488	1 25 565
1954-55	651	50	0	154	1 18 334
1955-56	2229	591	0	1339	1 26 1420
1956-57	926	111	0	142	2 23 795
1957-58	9642	447	0	6508	4 3 1020
1958-59	1055	160	0	465	1 6 1280
1959-60	1052	40	0	131	1 11 329
1960-61	1035	131	0	488	11 6 1260
1961-62	7014	970	0	5260	2 11 1840
1962-63	1215	289	0	251	2 9 1290
1963-64	860	81	0	170	1 21 727
1964-65	1721	170	0	246	4 9 755
1965-66	15667	1340	0	13199	11 22 3740
1966-67	16391	934	0	6057	12 6 2130
1967-68	6858	698	0	2233	11 19 1310
1968-69	44817	4220	0	39144	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

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

EATON WASH DAM AND RESERVOIR



drainage area



PURPOSE -
Debris Storage and Conservation

DATE CONSTRUCTED -
Started January 1936 - Completed February 1937

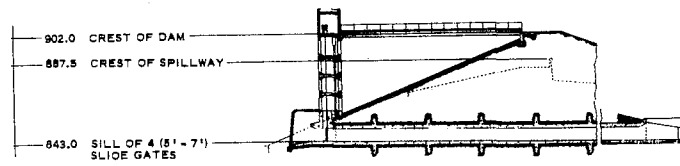
LOCATION -
Eaton Wash, northeast of Pasadena

DRAINAGE AREA - 12.4 square miles

CAPACITY - 879 acre-feet

SPILLWAY ELEVATION - 887.5 feet

cross-section



EATON DAM

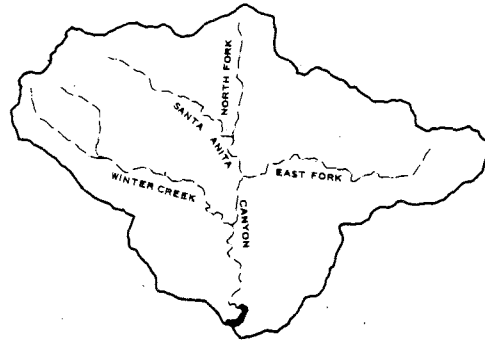
YEARLY SEASON	RESERVOIR ANNUAL AF	OPERATION		SUMMARY		
		INFLOW MAX-DAY CFS	MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK MO	INFLOW DAY CFS
1936-37	3062	112	0	1502		N.D.
1937-38	6993	883	0	5213	3	2 2670
1938-39	340	51	0	84	12	18 169
1939-40	390	31	0	96	1	8 220
1940-41	7323	188	0	6089	2	20 426
1941-42	78	11	0	0	12	10 73
1942-43	7212	498	0	6399	1	23 1700
1943-44	2901	265	0	1970	2	22 371
1944-45	331	52	0	101	11	11 204
1945-46	514	77	0	265	12	23 284
1946-47	746	74	0	507	11	13 286
1947-48	64	11	0	5.0	4	28 90
1948-49	36	4.7	0	1.2	1	20 10
1949-50	188	23	0	61	12	18 88
1950-51	44	3.8	0	7.5	1	11 80
1951-52	2636	151	0	2020	1	16 495
1952-53	145	18	0	0	12	1 225
1953-54	533	56	0	202	1	19 220
1954-55	146	14	0	0	1	18 91
1955-56	330	123	0	151	1	26 422
1956-57	127	20	0	9.2	2	23 138
1957-58	3114	150	0	2248	4	1 443
1958-59	301	46	0	152	1	6 702
1959-60	60	5.8	0	0	1	11 48
1960-61	61	10	0	0	1	26 39
1961-62	1729	322	0	1299	2	11 737
1962-63	177	51	0	19	2	9 198
1963-64	227	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

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

SANTA ANITA DAM AND RESERVOIR



drainage area



2 miles

PURPOSE -
Flood Control and Conservation

DATE CONSTRUCTED -
Started October 1924 - Completed March 1927

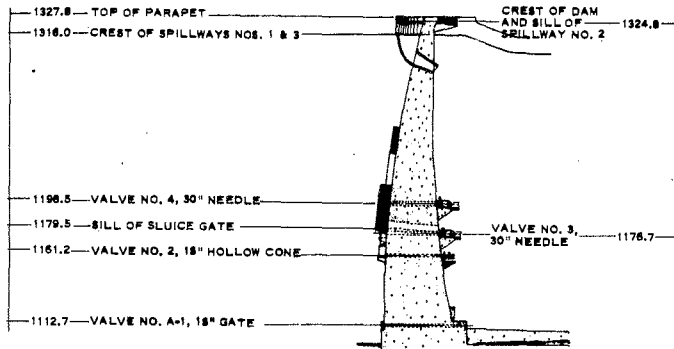
LOCATION - 2.5 miles north of Arcadio

DRAINAGE AREA - 10.8 square miles

CAPACITY - 836 acre-feet

SPILLWAY ELEVATION - 1,316.0 feet

cross-section

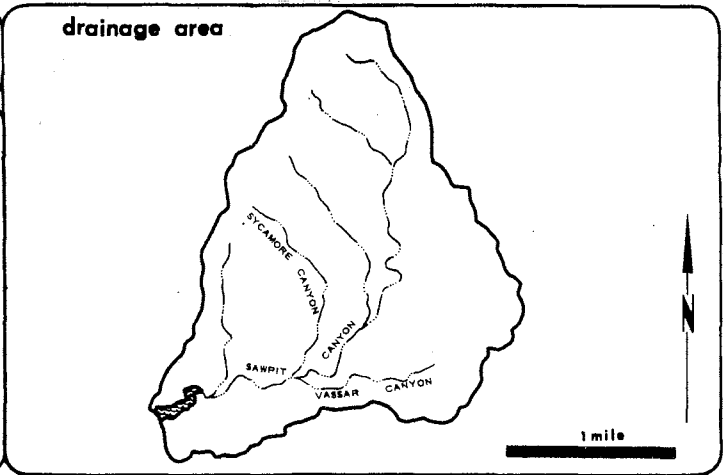


SANTA ANITA DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	ANNUAL AF	INFLOW MAX-DAY CFS	MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK		
					MO	DAY	CF.
1926-27	1208	13	0.4	1030			N.D.
1927-28	1009	22	0.1	1162			N.D.
1928-29	1214	30	0	1256			N.D.
1929-30	1276	25	0.1	964			N.D.
1930-31	989	34	0	1155			N.D.
1931-32	4010	236	0.1	3883			N.D.
1932-33	2190	152	0	2022	1	19	390
1933-34	2603	322	0	2622	1	1	800
1934-35	3693	92	0.1	3585	4	8	449
1935-36	2480	84	0	2535	2	12	228
1936-37	8798	192	0	8616	2	6	313
1937-38	16594	1780	1.3	16689	3	7	5140
1938-39	2726	74	0.4	2461	12	19	159
1939-40	2743	62	0.4	2664	1	8	378
1940-41	15225	239	0.4	15235	3	4	300
1941-42	2070	25	0.6	2140	12	29	53
1942-43	19371	1110	0.6	19440	1	23	3100
1943-44	7463	514	1.3	7294	2	22	813
1944-45	4147	101	1.1	4133	11	11	303
1945-46	3426	164	0.8	3360	12	23	492
1946-47	4489	122	0.7	4462	11	20	382
1947-48	1075	14	0.3	1243	4	28	41
1948-49	1031	17	0.2	983	1	20	32
1949-50	1357	30	0.2	1311	12	18	115
1950-51	460	4.5	0.1	497	1	11	10
1951-52	8408	351	0.1	8292	1	16	837
1952-53	1562	20	0.5	1729	12	1	153
1953-54	3302	201	0.4	3412	1	24	1240
1954-55	1432	18	0.3	1437	11	11	173
1955-56	2218	175	0.3	2196	1	26	569
1956-57	1535	36	0.5	1431	2	23	122
1957-58	11696	298	0.7	11715	4	3	618
1958-59	2185	66	0.6	2033	1	6	622
1959-60	954	6.5	0.1	1152	2	1	16
1960-61	527	12	0.1	407	1	26	65
1961-62	6328	682	0.1	6242	2	11	1460
1962-63	1628	56	0.7	1848	2	9	368
1963-64	1219	32	+	1144	4	1	53
1964-65	2039	50	0	1988	4	9	130
1965-66	13102	600	0.4	12933	12	29	1920
1966-67	16245	645	1.5	16261	12	6	1520
1967-68	3376	56	0.1	3579	11	19	165
1968-69	38734	2292	0.3	38369	1	25	5500
1969-70	2850	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

SAWPIT DAM AND RESERVOIR



PURPOSE -
Flood Control and Conservation

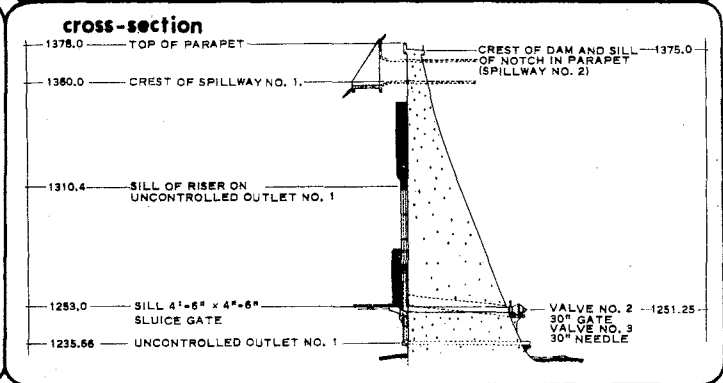
DATE CONSTRUCTED -
Started March 1926 - Completed June 1927

LOCATION - 2.0 miles north of Montrovia

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		OUTFLOW ANNUAL AF	PEAK INFLOW		
		MAX-DAY CFS	MIN-DAY CFS		MO	DAY	CFS
1927-28	26	N.D.	0	39		N.D.	
1928-29	96	5.3	0	108		N.D.	
1929-30	219	7.9	0	208		N.D.	
1930-31	97	3.9	0	68		N.O.	
1931-32	710	56	0	726	2	9	76
1932-33	184	8.6	0	185			N.D.
1933-34	468	106	0	457	1	1	240
1934-35	548	36	0	540	4	8	168
1935-36	574	22	0	574	2	11	72
1936-37	1434	36	0	1401			N.D.
1937-38	2909	384	0	2868	3	2	1070
1938-39	232	17	0	170			N.D.
1939-40	264	11	0	308	1	8	39
1940-41	2180	63	0	2195	3	4	109
1941-42	107	3.7	0	39	12	29	4.8
1942-43	2966	162	0	2950	1	23	520
1943-44	747	73	0	743	2	22	138
1944-45	316	16	0	319	11	11	59
1945-46	254	24	0	250	12	23	85
1946-47	367	23	0	361	11	20	77
1947-48	23	0.3	0	5.1	4	28	2.9
1948-49	42	0.4	0	32	3	10	0.9
1949-50	86	21	0	77	12	18	7.9
1950-51	32	0.8	0	32	1	11	2.4
1951-52	1112	60	0	1092	1	16	226
1952-53	88	3.2	0	82	12	1	34
1953-54	274	14	0	263	1	24	105
1954-55	142	4.3	0	139	11	11	73
1955-56	204	37	+	210	1	26	48
1956-57	80	0.8	0	65	2	23	8.1
1957-58	1371	46	0	1368	4	3	112
1958-59	815	36	0.1	804	1	6	1600
1959-60	201	4.8	+	163	4	27	70
1960-61	111	1.7	0	144	11	5	12
1961-62	1269	122	0.1	1236	2	11	282
1962-63	256	12	0.1	256	2	9	77
1963-64	271	3.7	0	294	1	21	10
1964-65	405	9.7	0.1	355	4	9	27
1965-66	2224	87	0	2218	12	29	423
1966-67	3985	157	1.1	3980	12	6	307
1967-68	1510	12	0.8	1510	11	19	32
1968-69	7555	635	0.9	9498	1	25	1060
1969-70	1496	36	0.5	1407	2	28	187
1970-71	733	21	0.4	733	11	29	70
1971-72	521	5.6	0.3	521	12	24	16
1972-73	1449	94	0.3	1538	2	11	350
1973-74	1350	57	0.1	1270	1	7	109

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

Sample Dam
1974-74

DRAINAGE AREA 3,104 SQ. MI.
CAPACITY OF RESERVOIR 574.2 AC. FT.
at SPILLWAY ELEVATION 1360 FT.
as of January 1, 1974

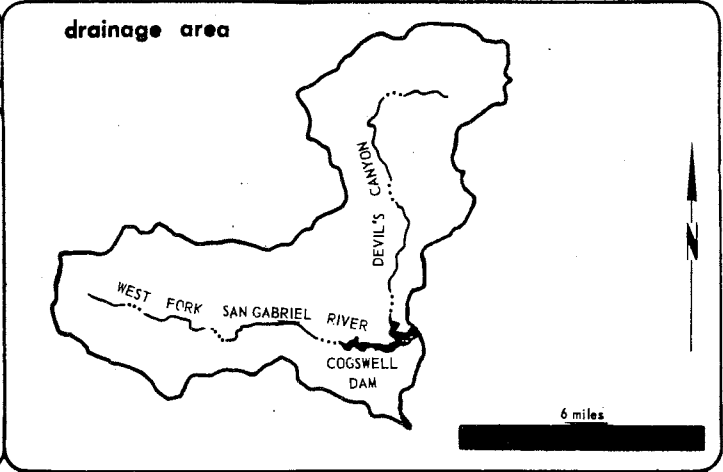
GAGE HEIGHTS AND STORAGE
ARE AS OF MIDNIGHT ON DAY SHOWN.

Table with columns for months (OCTOBER, NOVEMBER, DECEMBER, JANUARY) and rows for Gage Height, Acre-Ft. Storage, CFS Inflow, CFS Outflow. Includes summary rows for Totals, Inflow, Outflow, Mean Daily Inflow, Mean Daily Outflow, and Storage Change.

Table with columns for months (FEBRUARY, MARCH, APRIL, MAY) and rows for Gage Height, Acre-Ft. Storage, CFS Inflow, CFS Outflow. Includes summary rows for Totals, Inflow, Outflow, Mean Daily Inflow, Mean Daily Outflow, and Storage Change.

Table with columns for months (JUNE, JULY, AUGUST, SEPTEMBER) and rows for Gage Height, Acre-Ft. Storage, CFS Inflow, CFS Outflow. Includes summary rows for Totals, Inflow, Outflow, Mean Daily Inflow, Mean Daily Outflow, and Storage Change. Also includes a table for Max. W.S. Elev. and Min. W.S. Elev. on various days.

COGSWELL DAM AND RESERVOIR



PURPOSE -
Flood Control, Conservation, and Recreation

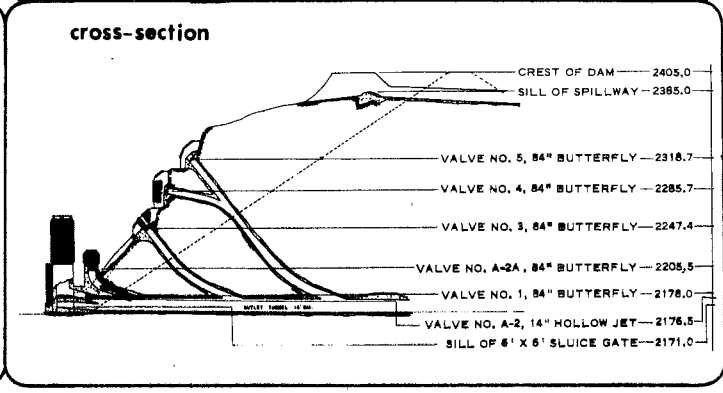
DATE CONSTRUCTED -
Started March 1932 - Completed April 1934

LOCATION - 22.0 miles north of Azusa

DRAINAGE AREA - 39.2 square miles

CAPACITY - 9,339 acre-feet

SPILLWAY ELEVATION - 2,385.0 feet



COGSWELL DAM

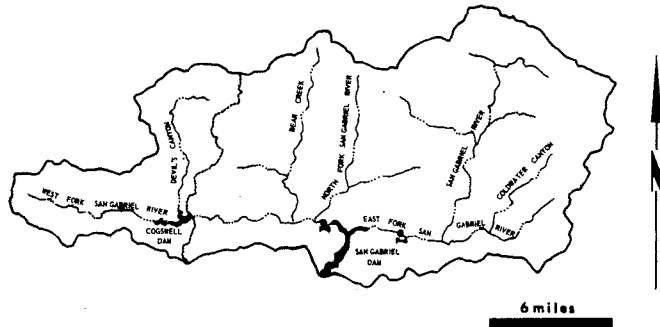
YEARLY SEASON	RESERVOIR ANNUAL AF	OPERATION		SUMMARY		
		INFLOW MAX-DAY CFS	MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK MO	INFLOW DAY CFS
1934-35	3517	54	0.1	3517		N.D.
1935-36	7154	265	0	7138		N.D.
1936-37	32986	943	0.1	32996	2	14 1240
1937-38	60336	7990	1.4	58799	3	2 24710
1938-39	11560	673	0.9	11369	9	25 1360
1939-40	9634	309	0.8	9569	1	8 2020
1940-41	61270	1400	0.5	59951	2	20 1640
1941-42	6080	108	0.3	7331	12	10 294
1942-43	54700	2320	0.7	53703	1	23 15000
1943-44	38150	2860	1.4	37460	2	22 4650
1944-45	11887	424	1.4	10385	11	11 1600
1945-46	14711	1260	0.8	16377	3	30 2790
1946-47	20135	1030	0.1	20135	12	25 2290
1947-48	3103	86	0.3	3032	4	29 262
1948-49	2911	32	0.3	2765	1	20 65
1949-50	3778	99	0.4	3536	12	18 739
1950-51	887	9.6	0.3	568	4	29 24
1951-52	33783	1260	0.3	25439	1	16 2640
1952-53	4410	70	0.8	12345	12	1 254
1953-54	8004	412	0.3	7500	1	24 1030
1954-55	3941	51	0.3	3165	4	30 176
1955-56	4070	419	0.1	3544	1	26 1040
1956-57	3421	225	0.2	3757	1	13 685
1957-58	36476	1460	0	34530	4	3 3710
1958-59	4904	340	0.4	6205	1	6 1760
1959-60	1935	27	0.5	2006	1	10 65
1960-61	1106	36	0.4	572	1	26 116
1961-62	25497	3480	0.3	23255	2	11 7010
1962-63	3220	153	0.6	4783	2	9 1017
1963-64	2587	89	0.4	2647	4	1 276
1964-65	5037	266	0.3	4159	4	9 479
1965-66	41747	2640	0.3	42170	12	29 9220
1966-67	40504	1860	0.6	32757	12	6 4650
1967-68	9569	338	0.6	12713	11	19 893
1968-69	95676	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

N.D. = NOT DETERMINED

SAN GABRIEL DAM AND RESERVOIR



drainage area



PURPOSE -
Flood Control and Conservation

DATE CONSTRUCTED -
Started December 1932 - Completed July 1939

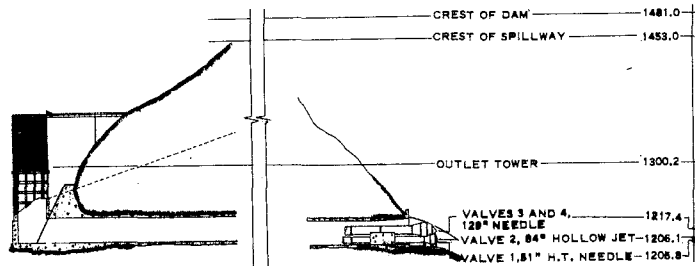
LOCATION -
San Gabriel Canyon, 7.5 miles north of Azusa

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

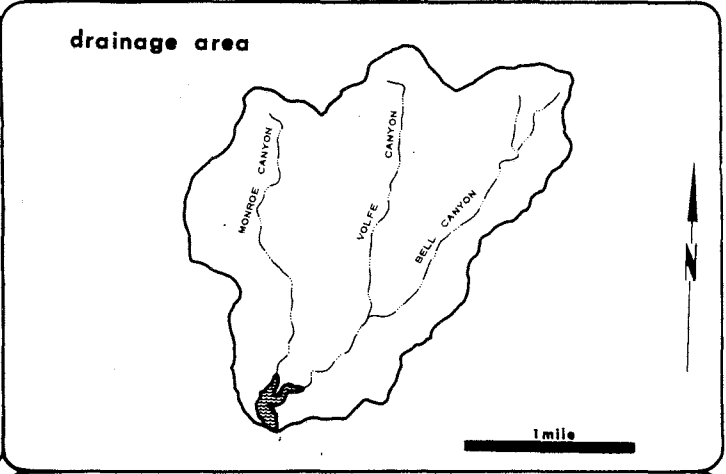


SAN GABRIEL DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	ANNUAL AF	INFLOW		OUTFLOW ANNUAL AF	PEAK INFLOW		
		MAX-DAY CFS	MIN-DAY CFS		MO	DAY	CFS
1937-38	339155	30720	37	332893	3	2	89320
1938-39	67231	1330	23	61655	12	19	2780
1939-40	58554	757	18	63386	1	8	2270
1940-41	306801	3940	20	305515	2	20	5780
1941-42	50285	297	20	49759	12	29	468
1942-43	271286	17180	20	267085	1	23	46000
1943-44	184923	5710	43	184622	2	22	9860
1944-45	91961	1300	28	90131	11	11	6440
1945-46	99531	2980	28	89502	12	21	5760
1946-47	107688	3340	18	104088	12	26	6520
1947-48	29259	257	9.9	37794	4	29	506
1948-49	24728	94	11	21546	1	20	120
1949-50	27797	266	9.5	27736	12	19	448
1950-51	10169	54	3.0	13002	1	11	174
1951-52	159048	3340	3.9	118918	1	16	6130
1952-53	41270	375	7.5	77961	12	1	544
1953-54	60515	1280	8.3	56517	1	25	2940
1954-55	39159	171	18	37304	4	30	313
1955-56	35215	950	14	38127	1	26	2250
1956-57	37210	1090	15	35069	1	13	2850
1957-58	230745	4270	21	229610	4	3	6900
1958-59	43762	1030	14	43100	1	6	3080
1959-60	19474	112	5.0	19258	4	28	168
1960-61	12041	122	2.2	12698	11	5	634
1961-62	116890	6350	3.4	112380	2	11	13960
1962-63	25930	512	6.2	24587	2	9	2440
1963-64	24009	287	5.2	22601	4	1	504
1964-65	36281	396	5.5	34427	4	9	1070
1965-66	220689	9030	12	217503	12	29	27180
1966-67	224903	6700	30	224538	12	6	12420
1967-68	66761	697	26	68771	11	19	1620
1968-69	527883	28020	24	524874	1	25	44400
1969-70	66842	1250	26	66688	2	28	2550
1970-71	60375	2120	29	55358	11	29	6400
1971-72	34908	975	14	38192	12	25	1390
1972-73	124722	5075	14.1	124333	2	11	17430
1973-74	72959	1140	32	67194	1	7	1820

BIG DALTON DAM AND RESERVOIR



PURPOSE -
Flood Control and Conservation

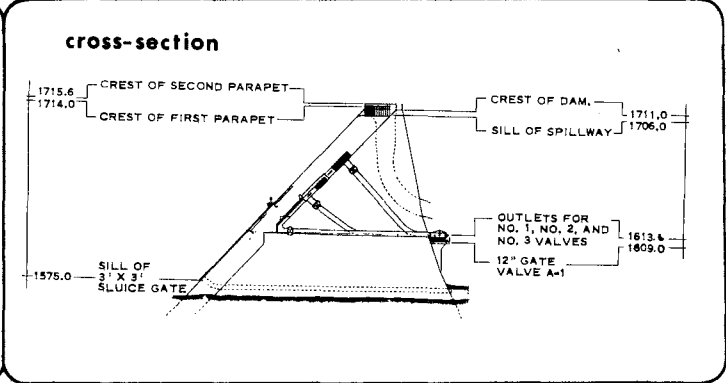
DATE CONSTRUCTED -
Started December 1927 - Completed August 1929

LOCATION -
Big Dalton Canyon, 4.0 miles northeast of Glendora

DRAINAGE AREA - 4.5 square miles

CAPACITY - 963 acre-feet

SPILLWAY ELEVATION - 1,706.0 feet



BIG DALTON DAM

YEARLY RESERVOIR OPERATION SUMMARY

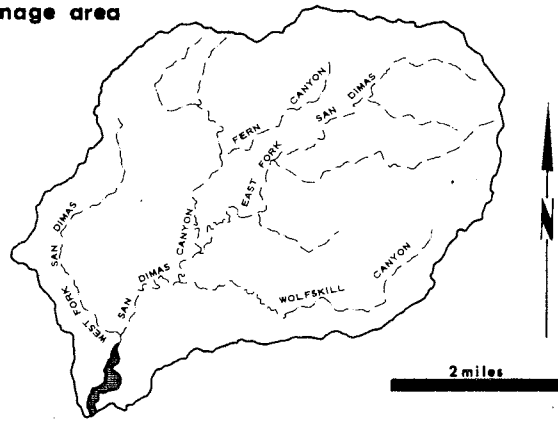
SEASON	ANNUAL AF	INFLOW MAX-DAY CFS	MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW		
					MO	DAY	CFS
1929-30	52	3.2	0	52			N.D.
1930-31	41	2.0	0	41	4	26	3.0
1931-32	690	54	0	688	2	9	86
1932-33	79	5.2	0	81	1	20	12
1933-34	448	93	0	448	1	1	227
1934-35	593	21	0	575	4	8	49
1935-36	360	12	0	370	2	11	72
1936-37	1879	51	0	1868	2	6	98
1937-38	3271	415	0	3192	3	2	1320
1938-39	280	4.3	0	288	1	5	26
1939-40	232	4.0	0	236	1	8	29
1940-41	2767	56	+	2748	3	4	88
1941-42	209	2.3	0	233	3	14	6.0
1942-43	3143	160	0.1	3110	1	23	595
1943-44	1087	109	+	1085	2	22	226
1944-45	734	19	0	729	11	11	47
1945-46	525	40	0	509	12	23	148
1946-47	492	16	0	512	11	20	56
1947-48	58	0.7	0	7.7	4	28	9.7
1948-49	94	0.8	0	113	12	17	3.3
1949-50	142	2.0	0	130	2	6	3.5
1950-51	27	2.1	+	14	1	11	4.8
1951-52	1626	73	0	1577	1	16	154
1952-53	120	1.4	+	68	12	1	4.8
1953-54	346	13	0	359	1	25	53
1954-55	87	0.9	+	5.0	1	18	2.4
1955-56	190	14	+	213	1	26	56
1956-57	76	0.9	+	27	1	13	1.8
1957-58	2104	97	0	2052	4	3	169
1958-59	160	6.4	+	133	2	16	26
1959-60	54	0.6	+	11	4	27	4.8
1960-61	187	18	0	1510	11	5	462
1961-62	1222	63	0	933	12	2	1130
1962-63	248	20	0.1	159	2	9	92
1963-64	165	2.8	0	300	3	22	30
1964-65	380	18	0	15	4	9	73
1965-66	2210	113	0	2013	11	22	489
1966-67	4787	292	0.1	4790	12	6	685
1967-68	771	15	0.1	681	11	19	56
1968-69	13251	1210	0	12995	1	25	1540
1969-70	728	15	0.1	610	2	28	91
1970-71	856	22	0.1	1100	12	21	38
1971-72	217	10	+	+	12	27	11
1972-73	1386	100	+	1046	2	11	163
1973-74	860	43	0.1	1030	1	7	68

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

SAN DIMAS DAM AND RESERVOIR

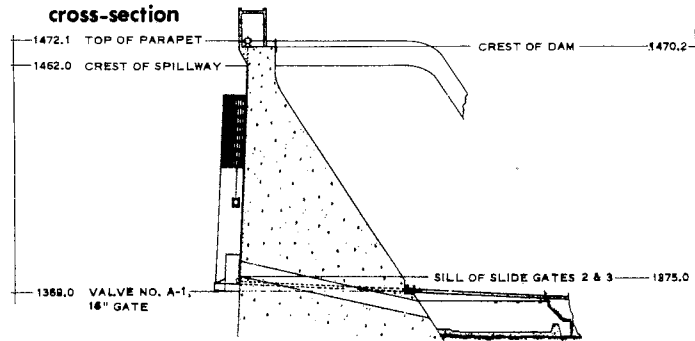


drainage area



PURPOSE - Flood Control and Conservation
 DATE CONSTRUCTED - Started November 1920 - Completed September 1922
 LOCATION - 3.0 miles northeast of San Dimas
 DRAINAGE AREA - 16.2 square miles
 CAPACITY - 1,515 acre-feet
 SPILLWAY ELEVATION - 1,462.0 feet

cross-section



SAN DIMAS DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	ANNUAL AF	INFLOW MAX-DAY CFS	MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK MO	INFLOW 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	422
1934-35	1753	60	0	1682	4	145
1935-36	1094	35	0	1136	2	155
1936-37	6316	154	0	6126	2	296
1937-38	12492	1600	0.4	12494	3	4920
1938-39	2165	43	0.2	2024	1	80
1939-40	1532	60	0	1400	1	302
1940-41	9645	131	0.1	9240	3	235
1941-42	1603	16	0.2	1855	12	29
1942-43	9271	573	0.5	9095	1	1700
1943-44	5348	398	0.1	5423	2	785
1944-45	3747	97	0.9	3811	11	375
1945-46	2560	149	0.1	2368	12	519
1946-47	2705	100	0.1	2982	11	340
1947-48	720	10	0	706	2	15
1948-49	728	11	0.1	694	1	19
1949-50	734	25	0.1	750	12	65
1950-51	300	5.3	0.1	301	4	16
1951-52	4864	208	0.1	4593	1	453
1952-53	822	9.8	0.1	1092	12	25
1953-54	1514	97	0.1	1501	1	327
1954-55	561	11	0.1	526	1	27
1955-56	736	98	0.1	767	1	362
1956-57	452	12	0.1	433	1	41
1957-58	6786	299	0	6503	4	753
1958-59	931	37	0.1	1239	2	189
1959-60	408	6.7	0.1	455	2	11
1960-61	468	31	0.1	250	11	397
1961-62	3206	224	+	2664	11	2520
1962-63	1001	81	0.1	1108	2	440
1963-64	680	20	0.1	711	1	121
1964-65	1118	53	0	1175	4	232
1965-66	6494	305	0.2	6326	12	1010
1966-67	12352	674	0	11598	12	1720
1967-68	3148	80	0.1	3058	11	414
1968-69	28645	1710	0.7	28808	1	3620
1969-70	4314	71	0.7	4736	3	114
1970-71	2465	70	0.5	2125	11	127
1971-72	1040	33	0.2	1217	12	77
1972-73	4252	346	0.7	4000	2	685
1973-74	2447	121	0.3	2389	1	185

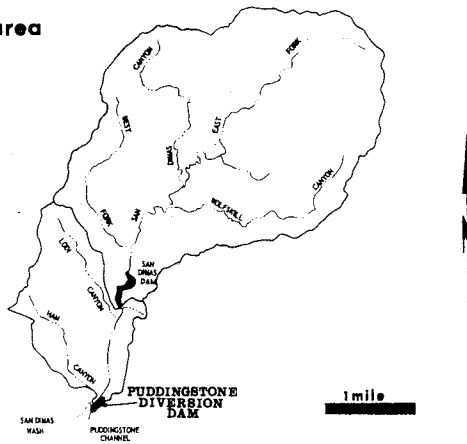
N.D. = NOT DETERMINED

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

**PUDDINGSTONE
DIVERSION DAM
AND RESERVOIR**



drainage area



PURPOSE -
Flood Control and Diversion of flow and Conservation

DATE CONSTRUCTED -
Started September 1927 - Completed July 1928

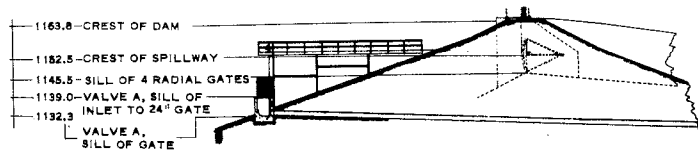
LOCATION - 2.0 miles northeast of San Dimas

DRAINAGE AREA - 3.7 square miles (uncontrolled)
16.2 square miles (controlled)
Total 19.9 square miles

CAPACITY - 148 acre-feet

SPILLWAY ELEVATION - 1,152.0 feet

cross-section



PUDDINGSTONE DIVERSION DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	ANNUAL AF	INFLOW		OUTFLOW ANNUAL AF	PEAK INFLOW		
		MAX-DAY CFS	MIN-DAY CFS		MO	DAY	CFS
1935-36	304	48	0	304	4	10	85
1936-37	5019	104	0	4646			N.D.
1937-38	11697	1640	0	11506	3	2	5760
1938-39	1288	28	0	1293	1	10	23
1939-40	350	26	0	155	1	8	33
1940-41	7213	133	0	6776	3	14	155
1941-42	341	13	0	203	12	12	24
1942-43	8593	970	0	7939	1	23	2040
1943-44	3406	357	0	3010	2	22	724
1944-45	1719	64	0	1294	2	2	88
1945-46	970	159	0	773	12	23	234
1946-47	1400	55	0	1109	12	26	58
1947-48	0	0	0	0			0
1948-49	0	0	0	0			0
1949-50	0	0	0	0			0
1950-51	0	0	0	0			0
1951-52	3366	158	0	2910	1	16	201
1952-53	0	0	0	0			0
1953-54	628	57	0	429	2	14	82
1954-55	0	0	0	0			0
1955-56	196	34	0	128	1	26	93
1956-57	0	0	0	0			0
1957-58	5938	227	0	5172	4	3	284
1958-59	89	14	0	49	2	18	18
1959-60	0	0	0	0			0
1960-61	146	11	0	64	11	26	137
1961-62	3277	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	2730
1967-68	2744	62	0	2180	11	30	125
1968-69	35110	2610	0	34200	1	25	5600
1969-70	4005	27	0	2788	3	4	62
1970-71	2181	35	0	1524	12	21	61
1971-72	764	15	0	488	12	24	56
1972-73	3746	163	0	3321	2	11	219
1973-74	1660	75	0	1371	1	7	110

N.D. = NOT DETERMINED

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
DAM OPERATION RECORD

Puddingstone Diversion Dam

1973-74

DRAINAGE AREA 8.67 SQ. MI.
CAPACITY OF RESERVOIR 146.2 AC. FT.
SPILLWAY ELEVATION 1152.5 FT.
as of JUNE 19 73

GAGE HEIGHTS AND STORAGES
ARE AS OF MIDNIGHT ON DAY SHOWN.

Table for October, November, December, and January. Columns include Gage Height, Acro-Ft. Storage, CFS Inflow, and CFS Outflow for each month. Includes summary rows for Inf. Ac. Ft., Outf. Ac. Ft., Max. Mean Daily Inf., Min. Mean Daily Inf., and Storage Change.

Table for February, March, April, and May. Columns include Gage Height, Acro-Ft. Storage, CFS Inflow, and CFS Outflow for each month. Includes summary rows for Inf. Ac. Ft., Outf. Ac. Ft., Max. Mean Daily Inf., Min. Mean Daily Inf., and Storage Change.

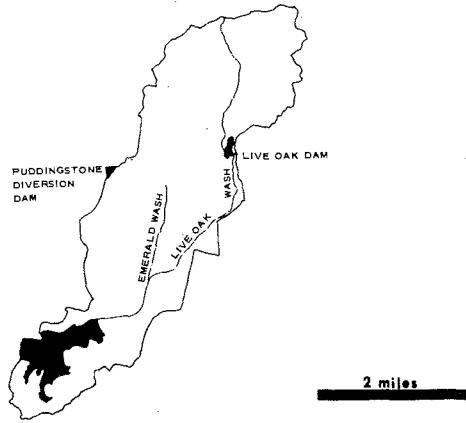
Table for June, July, August, and September. Columns include Gage Height, Acro-Ft. Storage, CFS Inflow, and CFS Outflow for each month. Includes summary rows for Inf. Ac. Ft., Outf. Ac. Ft., Max. Mean Daily Inf., Min. Mean Daily Inf., and Storage Change.

Remarks: () indicates percolation losses.
Max. W.S. Elev. 1146.90 feet on 1-13-74 Storage 69.2 Acro-Feet
Min. W.S. Elev. 1131.80 feet on various days Storage 0 Acro-Feet
Max. Peak Inf. 110 CFS from 1800 on 1-7-74 to 2000 on 1-7-74
Max. Peak Outf. 115 CFS from 1800 on 1-7-74 to 1900 on 1-7-74

PUDDINGSTONE DAM AND RESERVOIR



drainage area



PURPOSE - Flood Control and Recreation

DATE CONSTRUCTED -
Started February 1925 - Completed January 1928

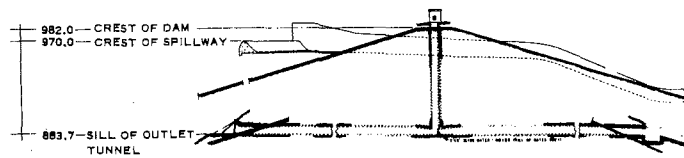
LOCATION - 1.0 mile south of San Dimas

DRAINAGE AREA - 11.0 square miles (uncontrolled)
22.1 square miles (controlled)
Total 33.1 square miles

CAPACITY - 16,856 acre-feet

SPILLWAY ELEVATION - 970.0 feet

cross-section



PUDDINGSTONE DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	ANNUAL AF	INFLOW		OUTFLOW ANNUAL AF	PEAK INFLOW		
		MAX-DAY CFS	MIN-DAY CFS		MO	DAY	CFS
1928-29	114	12	0	151		N.D.	
1929-30	295	15	0	223		N.D.	
1930-31	73	8.5	0	119		N.D.	
1931-32	1547	162	0	1086		N.D.	
1932-33	314	30	0	906		N.D.	
1933-34	2669	596	0	1809		N.D.	
1934-35	610	N.D.	N.D.	846	1	15	205
1935-36	703	54	0	964	4	10	590
1936-37	5732	303	0	2173	2	6	1480
1937-38	12221	2200	0	7544	3	2	5310
1938-39	1576	101	0	5305			N.D.
1939-40	646	54	0	2524	1	7	448
1940-41	12030	377	0	3308	3	4	1080
1941-42	475	30	0	4385	12	10	409
1942-43	10043	1130	0	4836	1	23	2300
1943-44	3408	525	0	3178	2	22	1030
1944-45	1615	134	0	2376	11	11	484
1945-46	1591	275	0	6009	12	23	929
1946-47	1414	96	0	788	11	13	445
1947-48	324	31	0	362	12	5	195
1948-49	336A	21	0	201	3	13	240
1949-50	493	55	0	140	2	6	178
1950-51	182	15	0	145	1	29	162
1951-52	4673	353	0	1857	1	16	952
1952-53	928	32	0	1140	12	1	358
1953-54	31282A	244	0	31609	1	25	600
1954-55	26065A	255	0	23287	11	11	338
1955-56	57309A	458	0	50771	1	26	1360
1956-57	50583A	216	0	53781	1	13	262
1957-58	6670	302	0	1976	4	3	690
1958-59	394	68	0	72	1	6	871
1959-60	837	80	0	40	1	12	148
1960-61	10900A	198	0	9416	11	6	174
1961-62	4463	173	0	33	12	2	963
1962-63	927	139	0	464	2	10	325
1963-64	594	43	0	0	1	22	242
1964-65	2675	153	0	7401	4	4	1770
1965-66	10456	444	0	3066	11	22	1590
1966-67	11508	1090	0	9488	12	6	2440
1967-68	15811	174	0	14275	3	8	760
1968-69	36802	2830	0	35754	1	25	4340
1969-70	1650	163	0.2	+	3	1	507
1970-71	1494	149	0.1	4094	12	18	365
1971-72	1007	186	+	+	12	24	438
1972-73	4038	341	0.1	+	2	11	604
1973-74	2409	1070	0.1	1069	1	7	660

N.D. = NOT DETERMINED

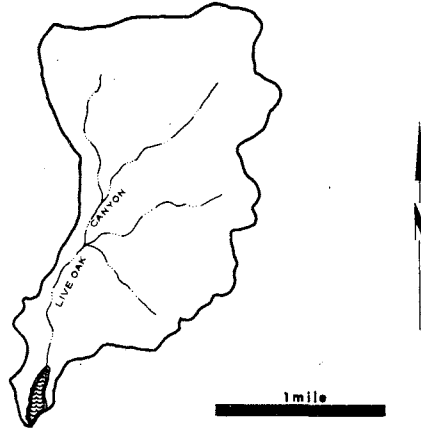
+ = LESS THAN 0.05 ACRE FEET OR LESS THAN 0.05 CFS, BUT GREATER THAN 0.

A = ANNUAL ACRE-FEET INCLUDES IMPORTED WATER

LIVE OAK DAM AND RESERVOIR



drainage area



PURPOSE -
Flood Control and Conservation

DATE CONSTRUCTED -
Started August 1921 - Completed November 1922

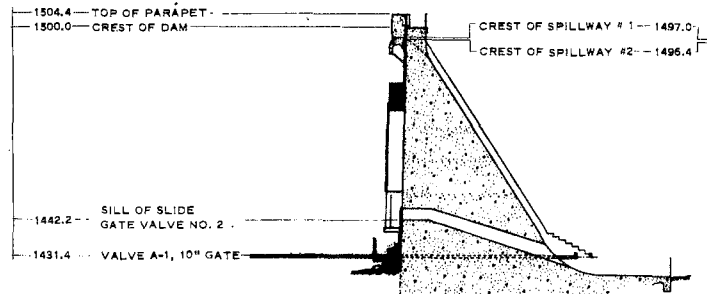
LOCATION - 2.5 miles northeast of La Verne

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
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
1935-36	N.D.	4.1	0	0		N.D.
1936-37	494	35	0	413	2	6
1937-38	800	147	0	785	3	2
1938-39	21	1.0	0	3.2	2	3
1939-40	16	1.2	0	1.4	1	8
1940-41	719	39	0	718	3	4
1941-42	0	+	+	0		+
1942-43	827	78	0	827	1	22
1943-44	218	33	0	218	2	22
1944-45	177	9.4	0	177	2	2
1945-46	105	22	0	89	12	23
1946-47	64	7.5	0	45	11	20
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
1950-51	0	0	0	0		0
1951-52	362	34	0	343	1	16
1952-53	2.0	+	0	3.2	12	1
1953-54	78	13	0	64	1	25
1954-55	0.3	+	0	0.3		N.D.
1955-56	77	25	0	72	1	26
1956-57	1.9	0.1	0	0.1	1	13
1957-58	699	38	0	699	4	3
1958-59	5.6	0.8	0	5.4	1	6
1959-60	0	0	0	0		0
1960-61	4.8	0.7	0	0	11	6
1961-62	186	29	0	111	11	20
1962-63	13	5.8	0	5.4	2	9
1963-64	4.8	0.8	0	0	3	22
1964-65	20	6.8	0	15	4	9
1965-66	243	23	0	241	11	22
1966-67	699	112	+	672	12	6
1967-68	131	6.0	0	130	3	8
1968-69	2146	152	0	2115	1	25
1969-70	258	8.4	0	258	2	28
1970-71	243	7.2	0	243	12	21
1971-72	71	3.5	0	71	12	24
1972-73	291	34	0	290	2	11
1973-74	132	13	0	132	1	7

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

1973-74

DRAINAGE AREA 2.3 SQ. MI.
CAPACITY OF RESERVOIR 244.5 AC. FT.
at SPILLWAY ELEVATION 1456.4 FT.
as of October 1, 1970

GAGE HEIGHTS AND STORAGE ARE AS OF MIDNIGHT ON DAY SHOWN.

Table with columns for months (OCTOBER, NOVEMBER, DECEMBER, JANUARY) and rows for Gage Height, Acro-Fl. Storage, CFS Inflow, and CFS Outflow. Includes summary statistics at the bottom.

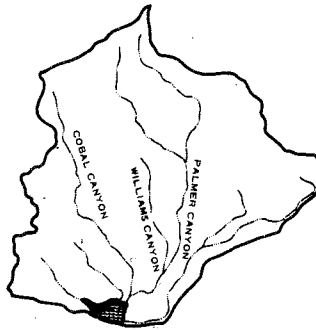
Table with columns for months (FEBRUARY, MARCH, APRIL, MAY) and rows for Gage Height, Acro-Fl. Storage, CFS Inflow, and CFS Outflow. Includes summary statistics at the bottom.

Table with columns for months (JUNE, JULY, AUGUST, SEPTEMBER) and rows for Gage Height, Acro-Fl. Storage, CFS Inflow, and CFS Outflow. Includes summary statistics and remarks at the bottom.

**THOMPSON CREEK
DAM
AND RESERVOIR**



drainage area



PURPOSE -
Flood Control and Conservation

DATE CONSTRUCTED -
Started September 1925 - Completed March 1928

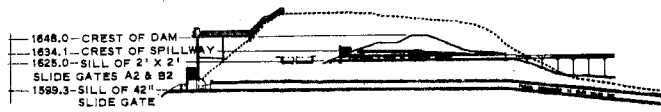
LOCATION - 3.0 miles north of Claremont

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	ANNUAL AF	INFLOW MAX-DAY CFS	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

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

DRAINAGE AREA 3.51 SQ. MI.
CAPACITY OF RESERVOIR 292.6 AC. FT.
SPILLWAY ELEVATION 1634.1 FT.
as of December 19 72.

GAGE HEIGHTS AND STORAGES
ARE AS OF MIDNIGHT ON DAY SHOWN.

1973-74

Table with columns for Day, Gage Height, Acce-Fl. Storage, CFS Inflow, CFS Outflow for months OCTOBER, NOVEMBER, DECEMBER, and JANUARY. Includes summary rows for Inf. Ac. Fl., Outf. Ac. Ft., Max. Mean Daily Inf., Min. Mean Daily Inf., and Storage Change.

Table with columns for Day, Gage Height, Acce-Fl. Storage, CFS Inflow, CFS Outflow for months FEBRUARY, MARCH, APRIL, and MAY. Includes summary rows for Inf. Ac. Fl., Outf. Ac. Ft., Max. Mean Daily Inf., Min. Mean Daily Inf., and Storage Change.

Table with columns for Day, Gage Height, Acce-Fl. Storage, CFS Inflow, CFS Outflow for months JUNE, JULY, AUGUST, and SEPTEMBER. Includes summary rows for Inf. Ac. Fl., Outf. Ac. Ft., Max. Mean Daily Inf., Min. Mean Daily Inf., Storage Change, and W.S. Elev. details.

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 1973-74 water year, 87 debris basins were in operation, 86 of which the District operated and maintained and the Corps of Engineers operated and maintained one, Haines Debris Basin. This figure repre-

sents an increase of 5 debris basins over the previous year. Cloudcroft, Irving Drive, Oakglade, Pinelawn, and Starfall Debris Basins were added to the list of District facilities during the year. The maximum capacity of all 87 debris basins is 8,516,000 cubic yards of which 7,379,000 cubic yards were available at the beginning of the water year.

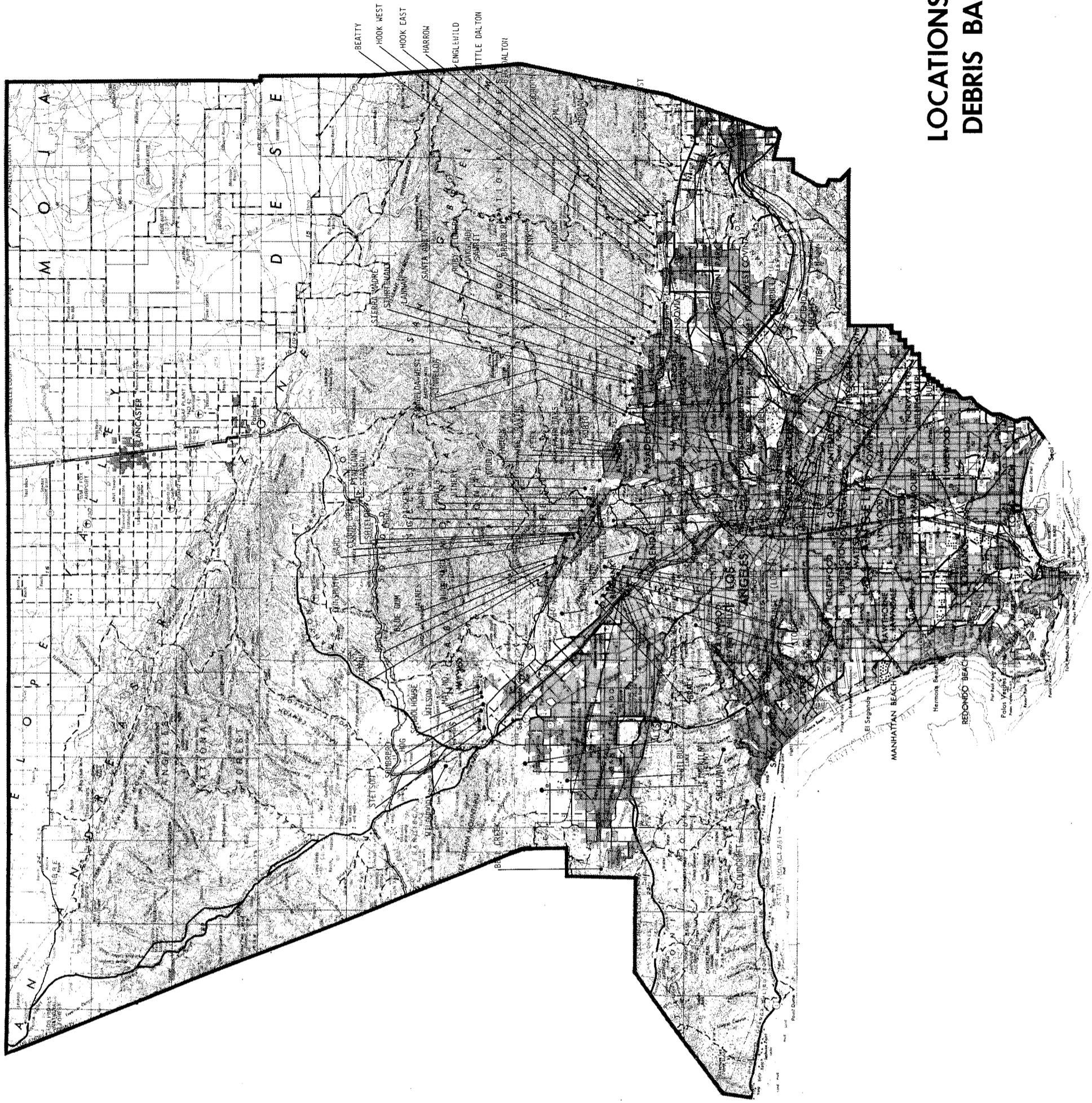
STABILIZATION STRUCTURES

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.

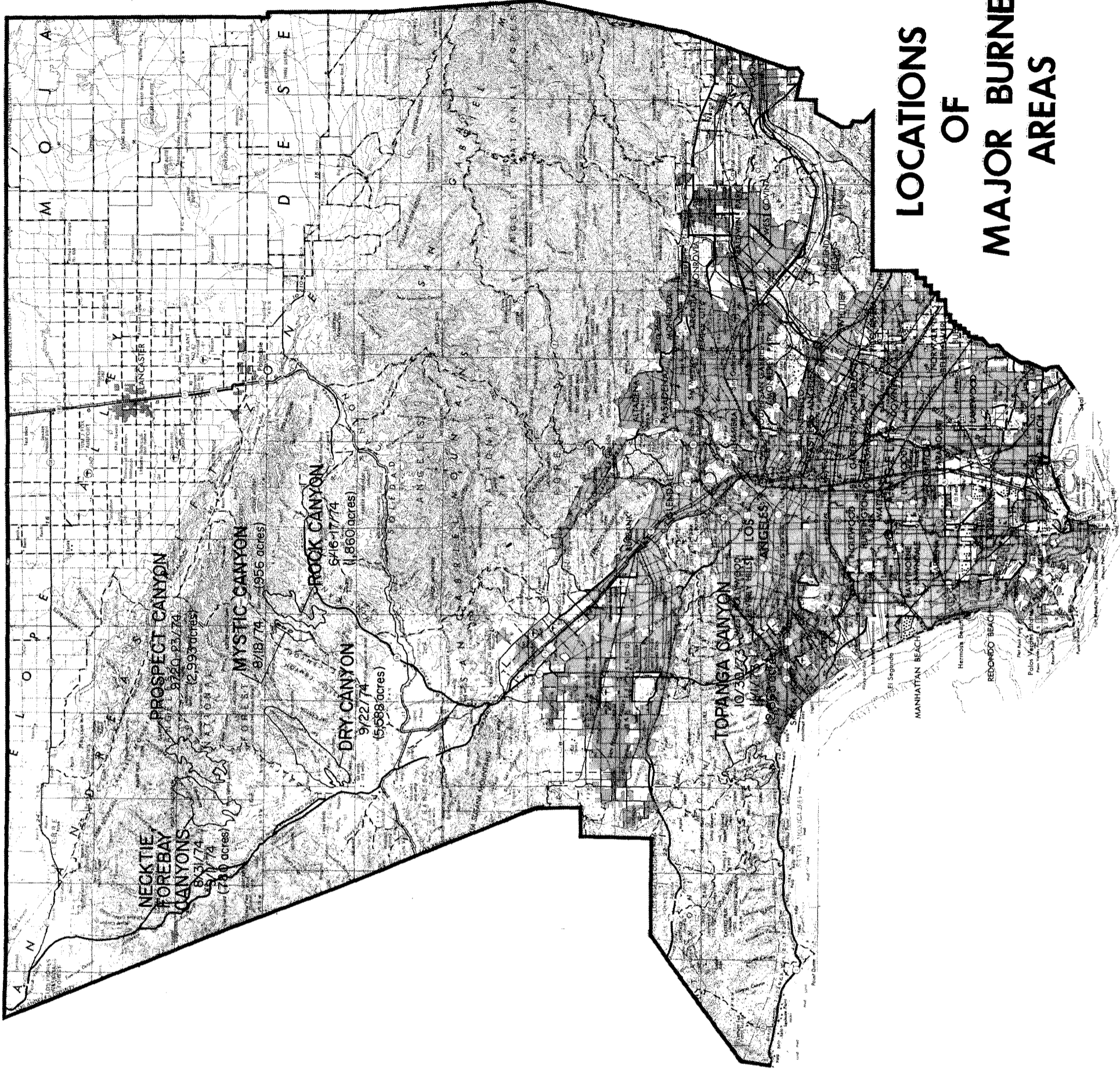
The District maintains 225 stabilization structures in 47 watersheds. During the year five structures were completed in El Prieto Canyon above Pasadena.



Big Dalton Debris Basin



LOCATIONS OF DEBRIS BASINS



LOCATIONS OF MAJOR BURNED AREAS

DEBRIS PRODUCTION HISTORY

INCLUDING 1973-74 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		SEASON
					CU. YDS.	SQ. MI. PER CU. YDS.	
1. ALISO	1970-71	4	32,300	2.77	19,100	6,900	1972-73
2. ALTADENA GOLF COURSE	1945-46	29	29,000	0.20	3,800	16,900	1958-59
3. ARBOR DELL	1971-72	3	NEG	0.11	NEG	NEG	1971-72
4. AUBURN	1954-55	20	49,000	0.19	20,100	105,900	1961-62
5. BAILEY	1945-46	29	105,800	0.60	35,800	59,600	1953-54
6. BEATTY	1970-71	4	1,800	0.27	1,800	6,800	1972-73
7. BELL CREEK (6)	1967-68	7	39,000	7.00	24,200	3,500	1968-69
8. BIG DALTON	1959-60	15	639,000	2.62	298,700	113,200	1968-69
9. BLANCHARD	1968-69	6	16,500	0.50*	15,900	31,800	1968-69
10. BLUE GUM	1968-69	6	4,400	0.19	3,300	17,400	1968-69
11. BRACE	1971-72	3	2,700	0.29	2,200	7,500	1972-73
12. BRADBURY	1954-55	20	175,300	0.68	70,200	103,300	1968-69
13. BRAND	1935-36	39	154,100	1.03	39,400	38,300	1968-69
14. CARRIAGE HOUSE	1970-71	4	200	0.03	200	5,900	1972-73
15. CARTER	1954-55	20	19,600	0.12	11,200	93,000	1961-62
16. CHILDS	1963-64	11	24,200	0.31	8,200	26,600	1964-65
17. CLOUD CREEK	1972-73	2	NEG	0.02*	NEG	NEG	1972-73
18. CLOUDCROFT	1973-74	1	8,100	0.21	6,100	28,900	1974-75
19. COOKS	1951-52	23	55,700	0.58*	20,700	35,600	1951-52
20. DEER	1954-55	20	117,800	0.59	44,200	74,900	1968-69
21. DUNSMUIR	1935-36	39	192,800	0.84*	78,200 E	93,100 E	1937-38
22. EAGLE	1936-37	38	146,500	0.48* (9)	41,700	68,300	1937-38
23. ELMWOOD	1964-65	10	18,300	0.31	12,200	39,200	1964-65
24. EMERALD EAST	1964-65	10	2,800	0.16	1,600	10,000	1968-69
25. ENGLEWILD	1961-62	13	71,400 (2)	0.19	60,200	150,500 (2)	1968-69
26. FAIROAKS	1935-36	39	105,300	0.21	15,700	74,800	1935-36
27. FERN	1935-36	39	147,500	0.30	23,900	79,600	1968-69
28. GOLF CLUB DRIVE	1970-71	4	2,700	0.32	2,700	8,600	1972-73
29. GORDON	1973-74	1	NEG	0.18	NEG	NEG	1973-74
30. GOULD	1947-48	27	99,700	0.47	18,000	36,300	1965-66
31. HAINES	1935-36	39	172,000	1.53	51,500	33,700 E	1937-38
32. HALLS	1935-36	39	443,000	1.06*	102,100	96,300	1937-38
33. HARROW	1958-59	16	70,200	0.43	63,400	147,400 (2)	1968-69
34. HAVEN WAY	1971-72	3	NEG	0.22	NEG	NEG	1971-72
35. HAY	1936-37	38	55,800	0.20	18,200	63,000 E	1937-38
36. HILLCREST	1962-63	12	34,900	0.35	11,700	33,300	1964-65
37. HOG	1968-70	5	NEG	0.30	NEG	NEG	1969-70
38. HOOK EAST	1966-69	6	NEG	0.18	40,200	223,100 E (2)	1968-69
39. HOOK WEST	1970-71	4	41,200 E (2)	0.17	NEG	NEG	1970-71
40. IRVING DRIVE	1974-75	0	(1)	0.03	(1)	(1)	1975
41. KINNELOA	1964-65	10	38,200	0.20	17,500	88,100 (2)	1968-69
42. KINNELOA WEST	1966-67	8	40,400	0.16	22,200	138,500 (2)	1968-69
43. LANNAN	1954-55	20	67,100	0.25	18,200	72,800	1969-70
44. LAS FLORES	1935-36	39	180,800	0.45	36,000	80,000 E	1937-38
45. LA TUN	1955-56	19	181,000	5.34	71,300	13,400	1968-69
46. LIMKILN	1963-64	11	154,500	3.69	42,300	11,500	1965-66
47. LINCOLN	1935-36	39	114,000	6.50	28,400	56,800	1968-69
48. LITTLE DALTON	1959-60	15	741,100	3.31	337,800	102,100	1968-69
49. MADDOCK	1954-55	20	31,300	0.25	11,000	43,800	1968-69
50. MAY NO. 1	1953-54	21	180,200	0.70	26,300	91,900	1968-67
51. MAY NO. 2	1953-54	21	20,200	0.09	6,200	68,600	1968-67
52. MORGAN	1964-65	10	13,600	0.60	12,900	21,800	1968-69
53. MULL	1973-74	1	NEG	0.15	NEG	NEG	1973-74
54. NICHOLS	1937-38	37	100,200	0.94	24,100	25,600	1937-38
55. OAKGLADE	1974-75	0	(1)	0.06	(1)	(1)	1975
56. PICKENS	1935-36	39	474,700	1.84*	122,200	66,400	1937-38
57. PINELAWN	1974-75	0	(1)	0.02*	(1)	(1)	1975
58. ROWLEY	1953-54	21	28,800	0.58	11,300	19,600	1968-69
59. RUBIO	1943-44	31	130,000	1.28	55,000	43,700	1968-69
60. RUBY (LOWER)	1965-69	19	15,800	0.28	8,300	27,700	1968-69
61. SANTA ANITA	1959-60	15	828,400 (2, 3)	1.70	132,000	79,600	1961-62
62. SAWPIT	1954-55	20	548,100 (2, 4)	2.84	233,800	82,300 (2)	1968-69
63. SCHOLL	1945-46	29	14,500	0.66	3,500	5,200	1968-69
64. SCHOOLHOUSE	1962-63	12	32,000	0.28	21,800	77,200	1962-63
65. SHIELDS	1937-38	37	102,900	0.23* (6)	35,100	130,200	1937-38
66. SIERRA MADRE	1927-28	47	327,700	2.39	95,200	39,800 (2, 5)	1968-69
67. SIERRA MADRE VILLA	1967-68	7	388,400	1.46 (7)	118,600	81,200	1961-62
68. SNOVER (6)	1936-37	35	73,500	0.23*	21,100	91,700	1938-39
69. SOMBRERO	1969-70	5	NEG	1.56	NEG	NEG	1969-70
70. SPINKS	1958-59	16	41,100	0.44	16,400	37,200	1968-69
71. STARFALL	1974-75	0	(1)	0.13*	(1)	(1)	1975
72. STETSON	1969-70	5	1,200	0.29	1,200	4,100	1969-70
73. STOUGH	1940-41	34	131,800	1.85	44,100	26,800	1964-65
74. STURTEVANT	1967-68	7	400	0.03	300	11,000	1968-69
75. SULLIVAN	1970-71	4	13,200	2.38	11,600	4,900	1972-73
76. SUNNYSIDE	1970-71	4	100	0.65	100	5,200	1972-73
77. SUNSET (LOWER)	1963-64	11	64,400	0.44	19,500	30,000	1963-64
78. SUNSET (UPPER)	1928-29	46	80,400	0.44	27,000	61,400	1964-65
79. TURNBULL	1952-53	22	36,200	0.88	15,900	16,000 (2)	1968-69
80. VERDUGO	1935-36	39	835,300	9.45 (8, 9)	105,400	9,900	1937-38
81. WARD	1956-57	18	20,200	0.10*	5,200	51,900	1957-58
82. WEST RAVINE	1935-36	39	138,800	0.25	29,900	119,500	1937-38
83. WILBUR (6)	1942-43	32	482,900	5.86 (9)	61,700	7,100	1951-52
84. WILDWOOD	1967-68	7	29,700	0.85	16,000	24,600 (2)	1968-69
85. WILSON	1962-63	12	165,800	2.58	55,500	21,500	1968-69
86. WINERY	1968-69	6	11,000	0.16	9,400	52,200	1968-69
87. ZACHAU	1956-57	18	12,300	0.35	10,300	29,400	1968-69

*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 SLICED FROM SAWPIT DAM.
- (5) VOLUME OF DEBRIS DEPOSITED IN BASIN DOES NOT INCLUDE DEBRIS SLICED 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.

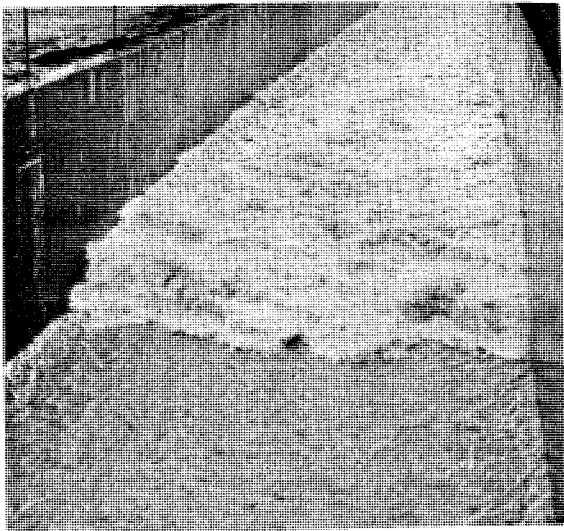
WATER QUALITY

WATER QUALITY MONITORING PROGRAMS

Surface and groundwater quality monitoring programs are conducted as part of the District's water conservation responsibilities. Summer and storm flows are monitored to maintain a continuing record of quality, to find and trace pollutants to their source, to determine the effects of these pollutants on the environment, and to determine the acceptability of surface waters for spreading and for discharge to receiving waters. Groundwaters are monitored to maintain a continuing record of water quality, to evaluate the effects of percolation on ground water quality, to measure the intrusion of sea water, and to trace groundwater quality changes due to natural and man made sources.

SURFACE WATER QUALITY

The Surface Water Quality Program currently involves the sampling of dry weather flows at 30 locations which include 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, and Malibu Creek. These locations are sampled monthly in the early morning and are analyzed by the Water Quality Laboratory for major minerals, mercury, total dissolved solids, total hardness, electrical conductivity, pH, dissolved oxygen, chemical oxygen demand, biochemical oxygen demand, coliform, fecal coliform, and enterococci.



Live Oak Wash

An annual analysis for trace elements is performed by a private laboratory.

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 for major minerals, total dissolved solids, electrical conductivity, suspended solids, pH, dissolved oxygen, biochemical oxygen demand, coliform, fecal coliform, enterococci, pesticides, herbicides, and in the future, trace metals.

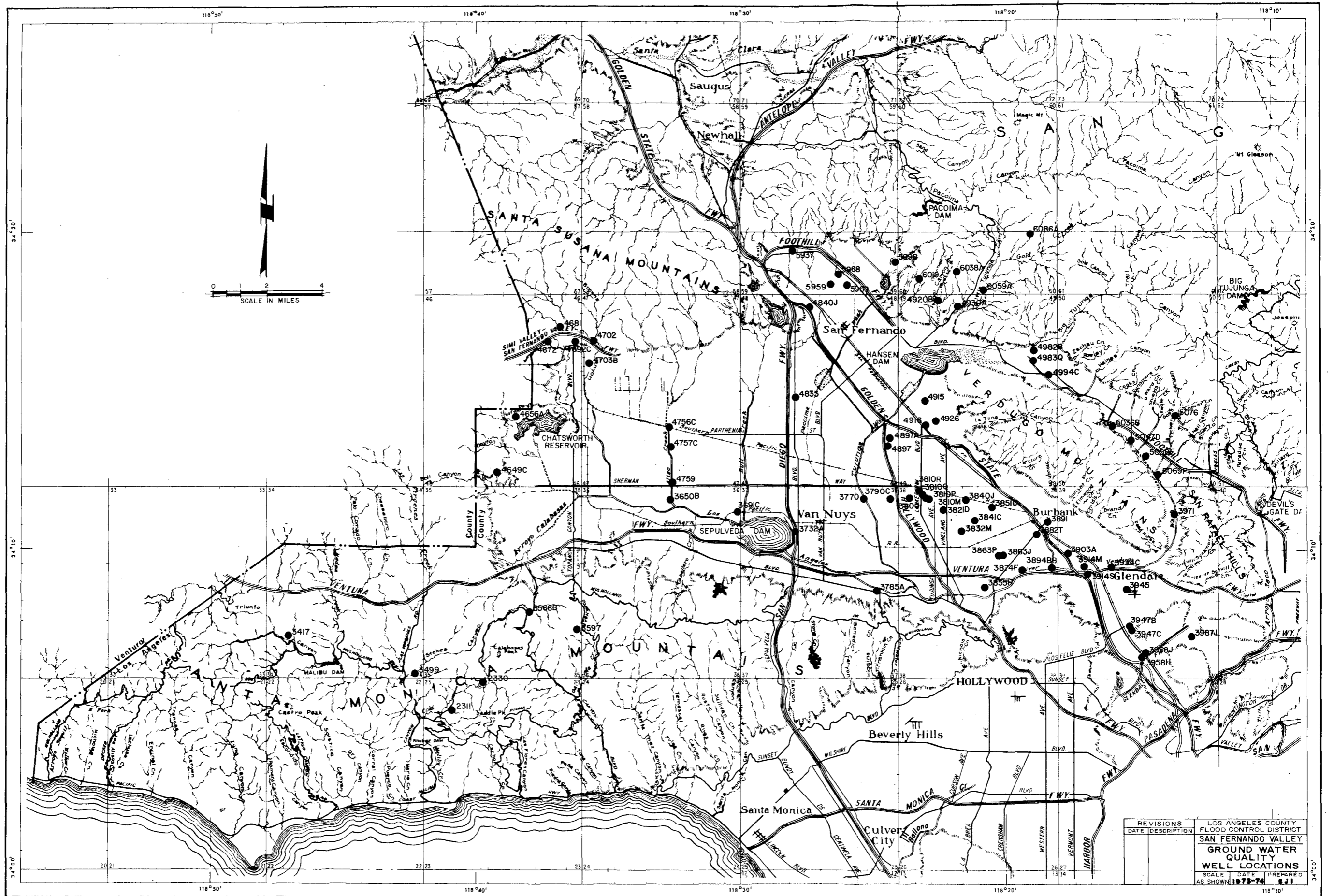
In addition, storm samples are taken at 26 gaging stations and seven spreading grounds in Los Angeles County. The flow data is recorded at the time each sample is taken and these samples are analyzed for electrical conductivity.

GROUND WATER QUALITY

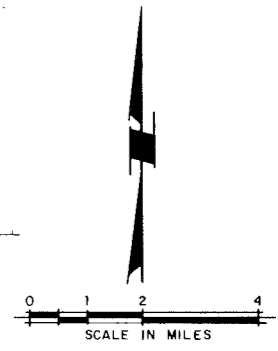
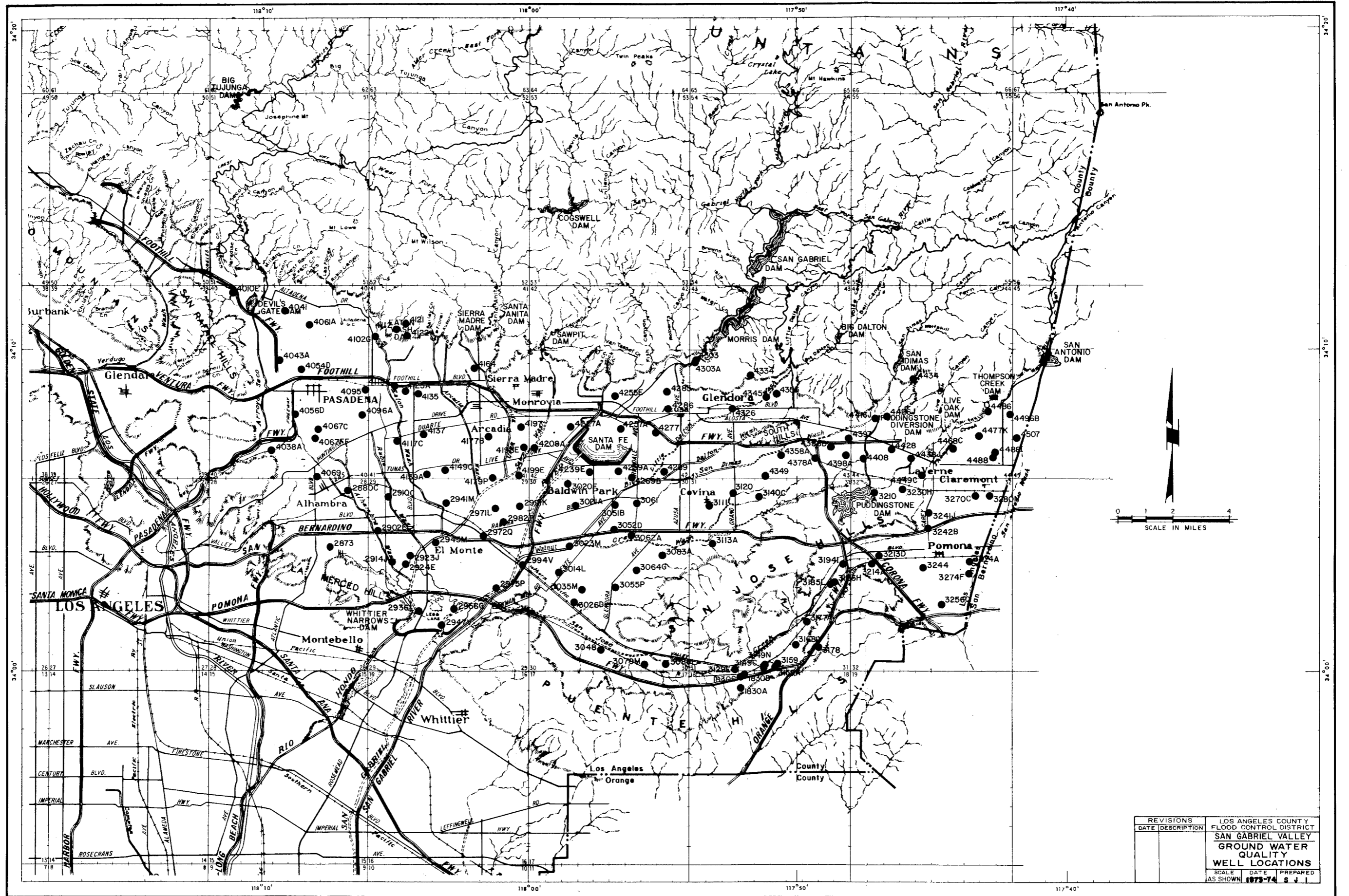
The annual sampling of water wells in five major basins in Los Angeles County comprise the Ground Water Quality Program. The program, initiated in 1970, is coordinated with the State of California Department of Water Resources, the City of Los Angeles Department of Water and Power, the Long Beach Water Department, and the Lakewood Water Department. These agencies participate in the sampling and analysis of the samples. All the water wells sampled are active production wells used for municipal supply, irrigation, and industrial purposes and are selected to represent an overall portrayal of basin water quality conditions. The samples are analyzed for major minerals, total dissolved solids, electrical conductivity, pH, and in some cases phosphate, 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 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.

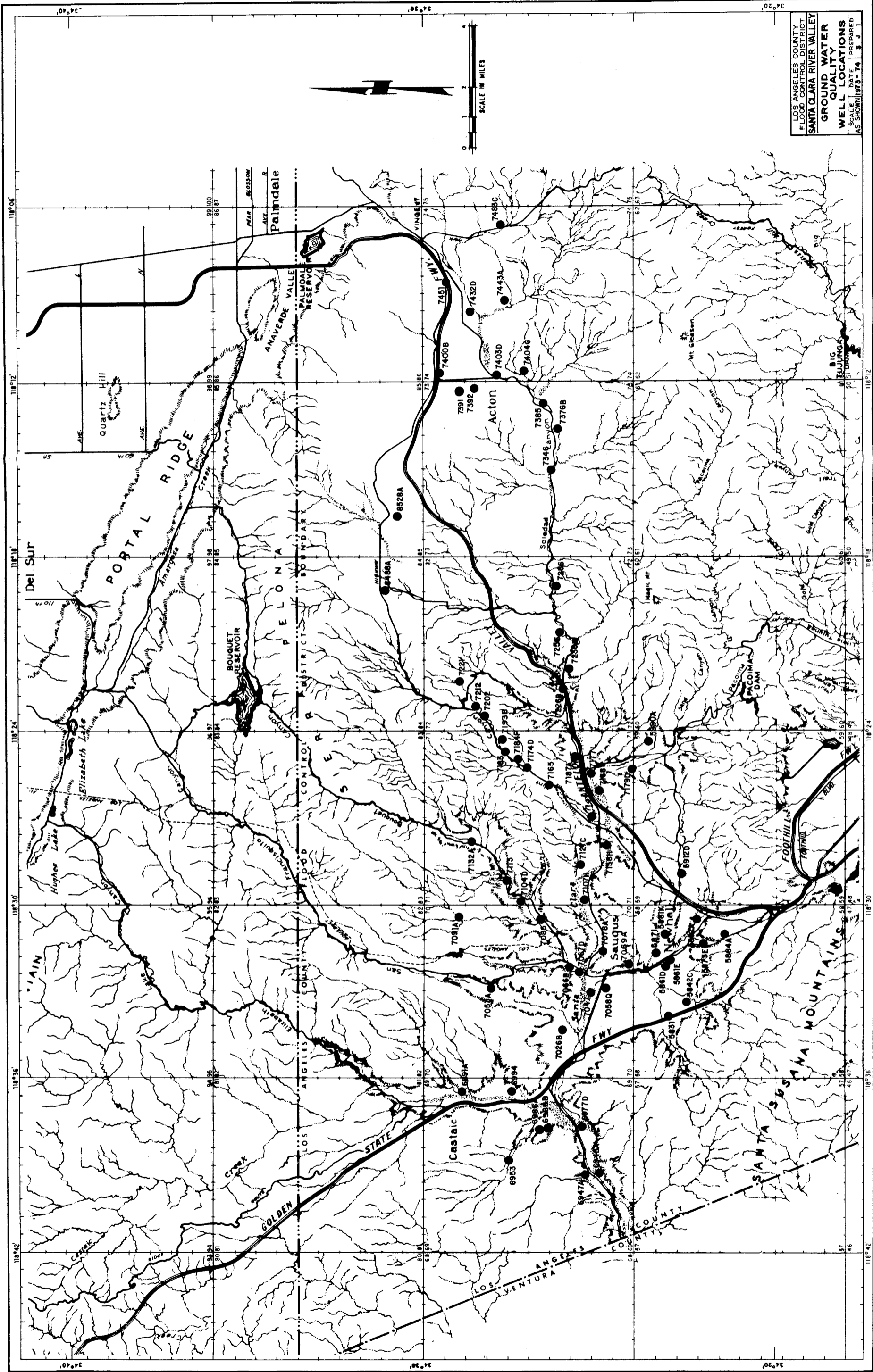


REVISIONS		LOS ANGELES COUNTY FLOOD CONTROL DISTRICT SAN FERNANDO VALLEY	
DATE	DESCRIPTION		
		GROUND WATER QUALITY WELL LOCATIONS	
SCALE		DATE	PREPARED
AS SHOWN		1973-74	S.J.I.

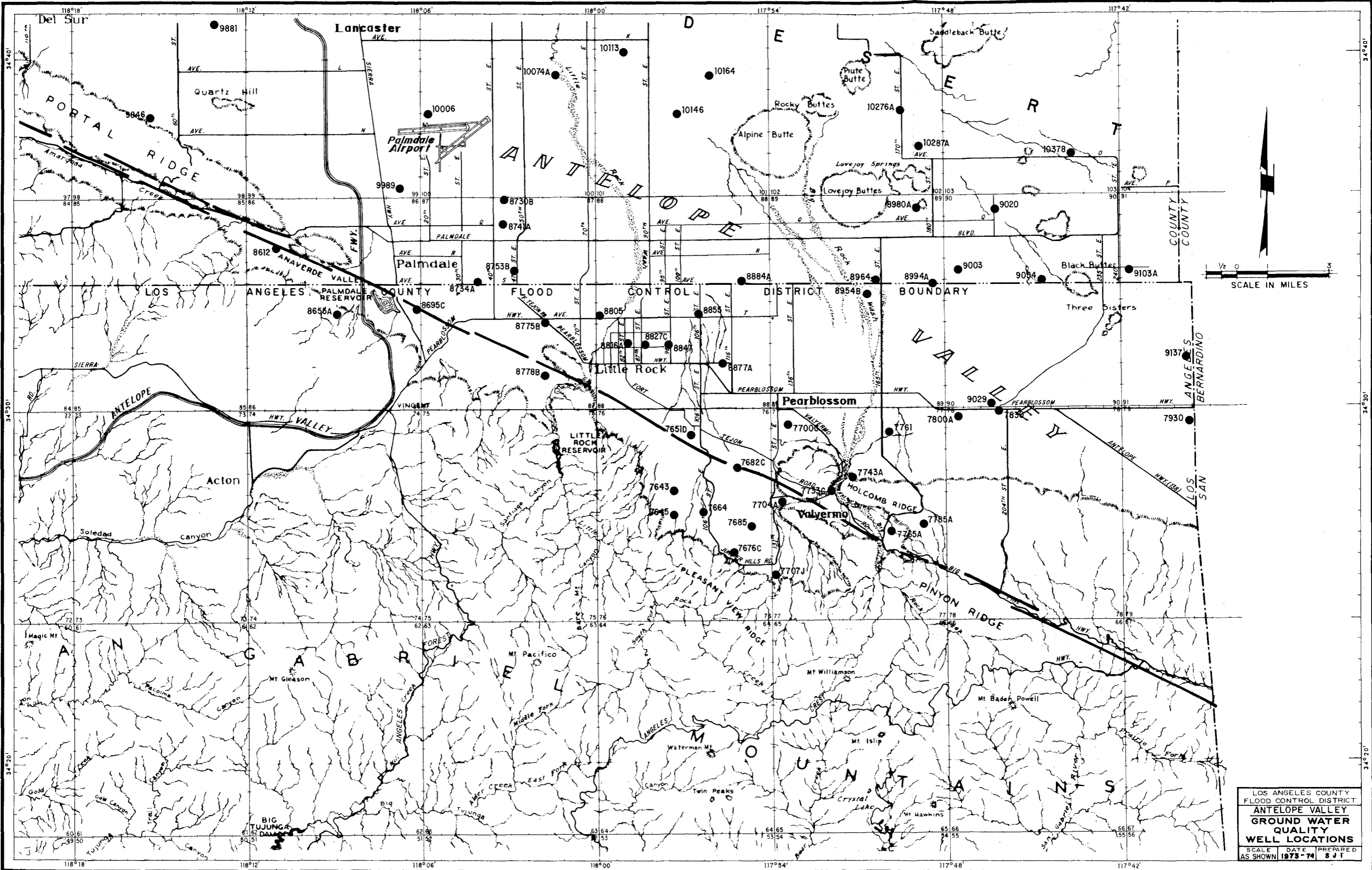


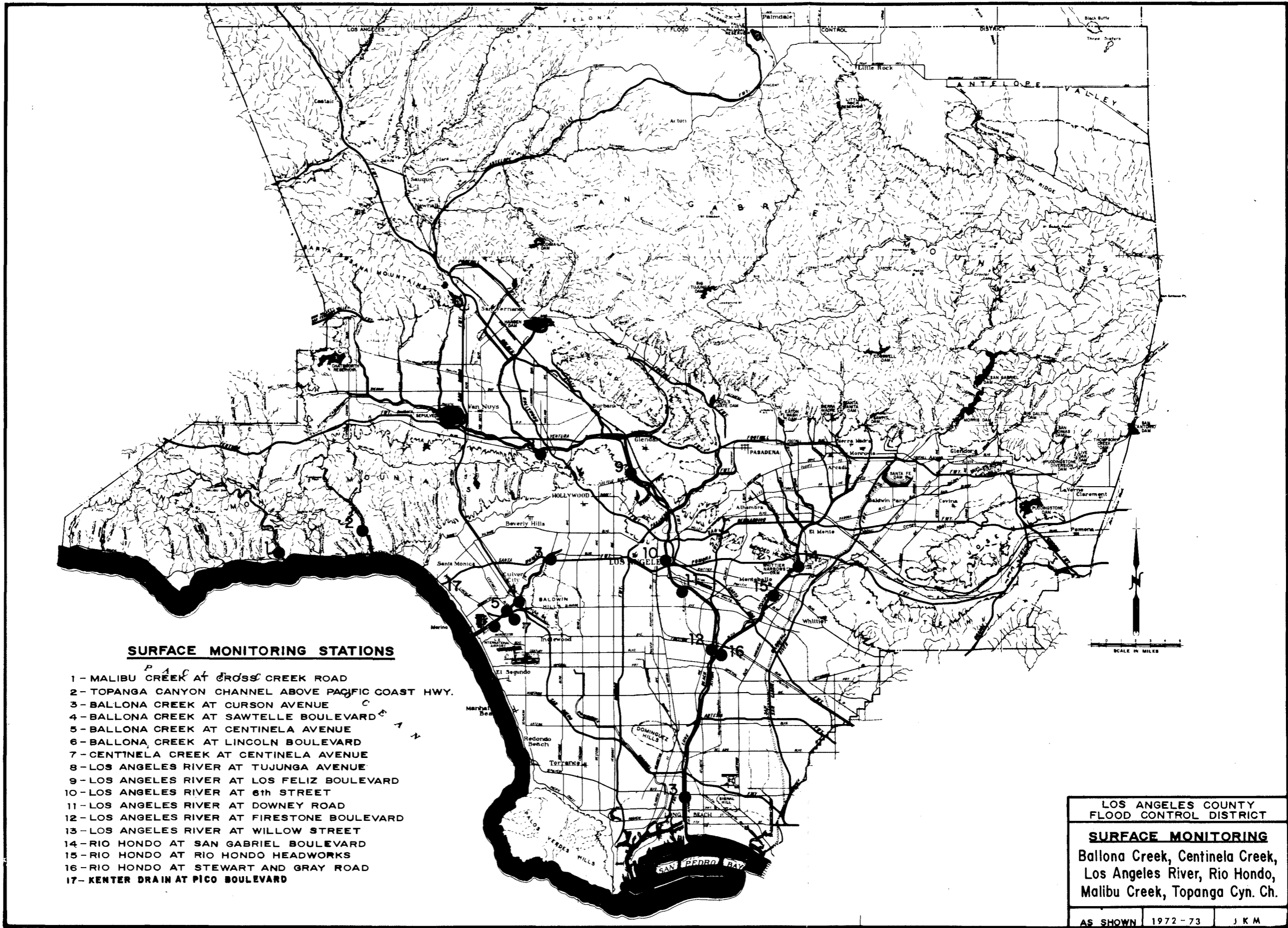
REVISIONS		LOS ANGELES COUNTY FLOOD CONTROL DISTRICT SAN GABRIEL VALLEY GROUND WATER QUALITY WELL LOCATIONS	
DATE	DESCRIPTION	SCALE	DATE PREPARED
		AS SHOWN	1973-74 S J I





LOS ANGELES COUNTY
 FLOOD CONTROL DISTRICT
 SANTA CLARA RIVER VALLEY
**GROUND WATER
 QUALITY**
WELL LOCATIONS
 SCALE DATE PREPARED
 AS SHOWN 1973-74 S. J.





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

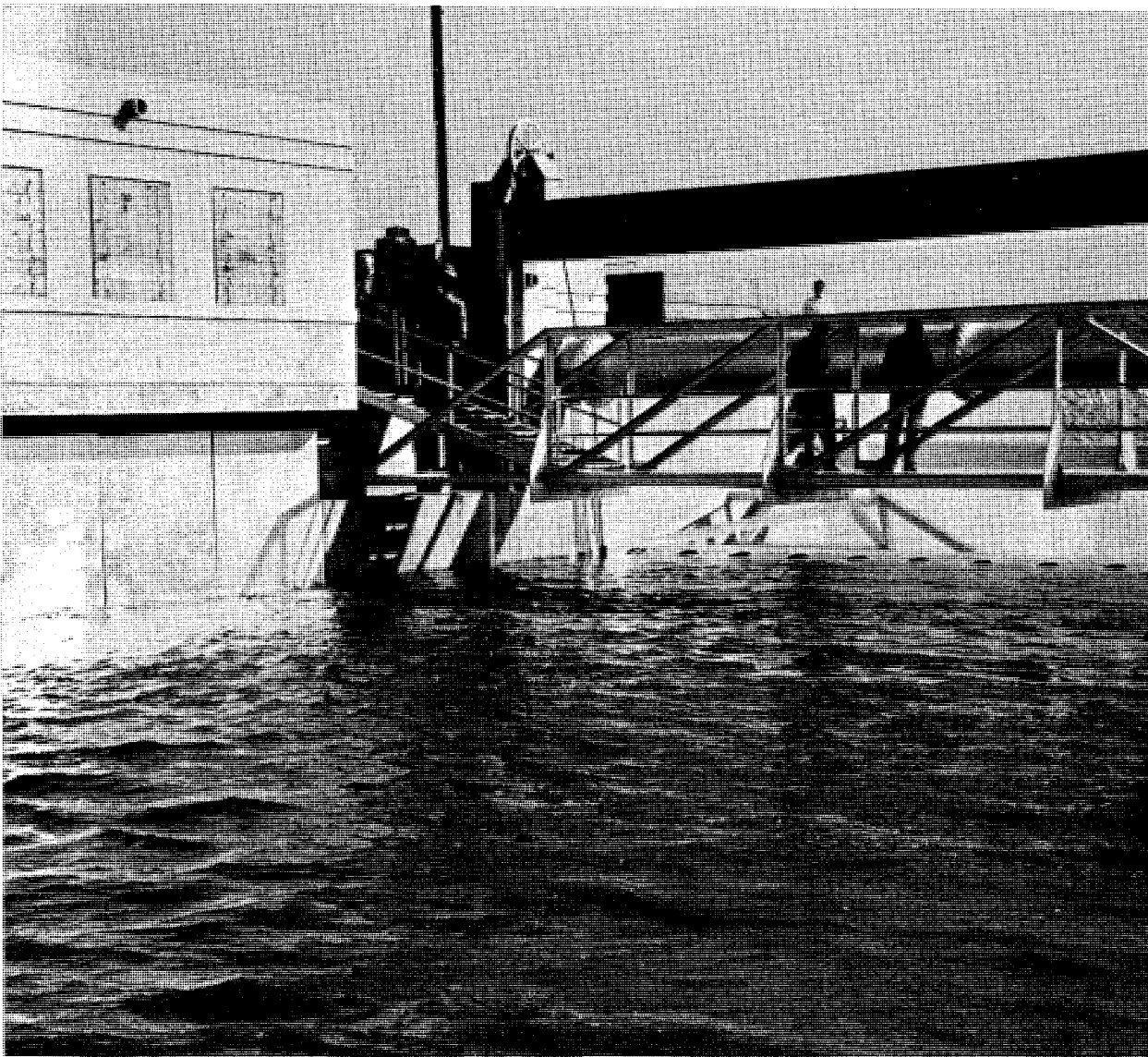
WATER CONSERVATION

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 sea-water barrier projects which prevent salt-water intrusion in the coastal area and on the District's waterquality 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 ground-water maps delineating elevations recorded during the report period, hydrographs of selected key wells, and maps indicating the District's waterquality 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 1973-74 was approximately 90 per cent of normal, and the local water conserved during this period was 100,580 acre-feet.



Headworks to Hansen Spreading Grounds

SPREADING GROUNDS

The total gross acreage of spreading grounds owned and operated by the District during this annual report period amounted to 2,204 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 3,129 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.

The second phase of construction at Forbes Spreading Basin was completed July 3, 1974. Spreading operations are expected to start in the 1974-75 water year.

IMPORTED WATER

During this annual period, imported Colorado River 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.

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 21 per cent of the total purchased water spread in the Montebello Forebay between October 1, 1973, and September 30, 1974.

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 filtered Colorado River 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 undertaken during this report period with completion scheduled for Spring 1975. During the year, 27,500 acre-feet of fresh water was injected and the injection rate throughout the year averaged 38 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. During the year, 7,829 acre-feet of fresh water was injected at an average rate of 11 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, 7,287 acre-feet of fresh water was injected at an average rate of 10 cfs and 692 acre-feet of saline water was extracted at an average rate of .1 cfs. Evaluation of the effectiveness of the existing facilities continued during this period to determine the need for possible additional facilities and to establish a schedule for continued expansion of the project facilities within the scope of the staged development as originally planned.

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. Three additional wells were obtained by using exploration wells drilled in conjunction with the construction of the storm drain program.

SEASONAL DATA AND MAPS

During this annual report period, about 26,000 groundwater observations were obtained from approximately 3,200 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, 1974, as compared to the level which occurred on October 1, 1973. These changes are shown on the basin maps, pages 273 to 285. Some of the hydrographs used for determining the changes are shown on pages 237 to 257.

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 table following shows the change in groundwater level and when the rising or declining trend began.

BASIN	CHANGE	TREND CONT. FROM
SAN FERNANDO		
Western Portion	0	Sept 1971
Central Portion	-1 to -3	June 1971
Eastern Portion	+2	Sept 1968
SYLMAR	-2 to -5	Feb 1972
PACOIMA	0	No Trend
TUJUNGA	-1	Feb 1973
GLENOAKS	-5 to -9	No Trend
VERDUGO	+1	April 1973

SAN GABRIEL VALLEY

Eighteen groundwater basins exist under the San Gabriel Valley watershed. The following

list presents the groundwater level change and when the rising or declining trend began for each basin.

BASIN	CHANGE	TREND CONT. FROM
SAN GABRIEL MAIN		
Western Portion	-4 to -6	Dec 1969
Eastern Portion	-3	June 1969
Monk Hill	-2	May 1967
Raymond	+2	May 1967
Monrovia	-6	No Trend
Upper San Gabriel Cyn.	+2	No Trend
Lower San Gabriel Cyn.	0	June 1970
Glendora	0	No Trend
Foothill	-7	No Trend
Wayhill	-1	Oct 1972
San Dimas	+1	Dec 1969
Live Oak	+1	No Trend
Lower Claremont	-4	April 1973
Upper Claremont	+5	Oct 1972
San Antonio	+1	No Trend
Pomona	-5	No Trend
Chino	-4	March 1945
Spadra	-6	Dec 1969
Puente	0 to -4	Feb 1969

COASTAL PLAIN

Groundwater levels in most of the groundwater basins in the Coastal Plain were fairly stable. However, localized changes did occur near Hawthorne in the West Coastal Basin and the Montebello Forebay Area of the Central Basin. These changes are shown on the basin map on page 281.

SANTA CLARITA VALLEY

Groundwater levels in the main portion of the basin for this period were fairly stable. Water level records as obtained from measurements in Well 7048A indicate that the water table in the Saugus area has maintained its present level since the 1969 storm.

ANTELOPE VALLEY

The Lancaster Basin groundwater level as determined from measurements from Well 9962C has continued to decline. Decline for this report period is about three 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 1973-74

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 1974**

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 13 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	3	-	20	4	5	WESTERLY OF GLENDORA MT. ROAD, FROM LITTLE DALTON DEBRIS DAM SOUTH TO EAST PALM DRIVE.	CONTROLLED FLOW FROM LITTLE DALTON DEBRIS DAM.	
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	-	9,600	400	217	10	EAST SIDE OF EATON CHANNEL NORTH OF DUARTE ROAD, 0.6 MILE SOUTH OF HUNTINGTON DRIVE.	CONTROLLED FLOW FROM EATON WASH DAM AND UNCONTROLLED FLOWS BETWEEN DAM AND SPREADING BASIN.	
PECK ROAD	DEEP BASIN	1959-60	157	85	30,100	30,100	5,000	17	CONFLUENCE OF SAWPIT AND SANTA ANITA WASHES.	ALL FLOWS IN SAWPIT AND SANTA ANITA WASHES.	INFILTRATION CAPACITY DETERIORATED AFTER FEBRUARY 1969.
BUENA VISTA	DEEP BASIN	1954-55	10	6	2,900	2,900	194	8	1.0± MILE EASTERLY OF SAWPIT WASH. 0.5± MILE NORTHERLY OF ARROW HIGHWAY, BETWEEN MERIDIAN STREET AND BUENA VISTA CHANNEL.	CONTROLLED FLOW FROM SANTA FE DAM AND UNCONTROLLED FLOW FROM BUENA VISTA CHANNEL.	NO OUTFLOW EXPECTED EXCEPT CAPITAL STORM, BUT A SMALL OUTLET STRUCTURE OF 150 CFS PROVIDED. INLET CAPACITY OF SANTA FE DIVERSION 120 CFS.

*THE CAPACITIES LISTED ARE BASED ON INFILTRATION RATES WHICH MAY BE EXPECTED TO PERSIST FOR AT LEAST FIVE DAYS BUT ARE NOT VALID FOR SUSTAINED SPREADING OPERATIONS.

**DESIGN CAPACITY OF MAIN CONCRETE CHANNEL.

**LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
SUMMARY OF DATA ON SPREADING FACILITIES
OWNED AND OPERATED BY THE DISTRICT
UPDATED THROUGH SEPTEMBER 1974**

GROUNDS	TYPE	SEASON FIRST USED	AREA IN ACRES		CHANNEL** INTAKE CFS	CAPACITIES STORAGE A.F.		PERC.* CFS	LOCATION	SOURCE OF WATER	REMARKS
			GROSS	WETTED		INTAKE CFS	STORAGE A.F.				
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	4033	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 PUDDINGSTONE DIVERSION DAM 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	-	-	50	65	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	26	-	20	237	3	CONTINUES 1.0 MILE SOUTH FROM DEL AMO BOULEVARD, AND BORDERS THE EASTERN AND WESTERN SIDES OF THE LOS ANGELES RIVER.	CONTROLLED FLOW FROM LOS ANGELES RIVER LOW FLOW CHANNEL AND UNCONTROLLED FLOWS FROM STORM DRAINS.	EAST SIDE BASIN USED FOR FLOOD REGULATION WITH SOME CONSERVATION STORAGE. INTAKE OF 20 CFS IS THE FIGURE FOR LOW FLOW DIVERSION FROM THE LOS ANGELES RIVER. 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			2,204	1,498		10,236	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.

*** 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.

**DESIGN CAPACITY OF MAIN CONCRETE CHANNEL.

**LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
SUMMARY OF DATA ON SPREADING FACILITIES
NOT OWNED BY THE DISTRICT
UPDATED THROUGH SEPTEMBER 1974**

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	-	300	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	168							

*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 1974
RECORD OF WATER SPREAD
ACRE - FEET**

SEASON	GROUNDS IN WHICH DISTRICT DOES CONSTRUCTION, MAINTENANCE, AND SOME OPERATIONS						GROUNDS CONTROLLED BY OTHERS, THE DISTRICT COOPERATING				TOTAL	SEASON		
	CITY OF SIERRA MADRE		CALIFORNIA AMERICAN	SAN GABRIEL SPREADING CORPORATION			LOS ANGELES CITY DEPT. OF WATER AND POWER							
	SANTA ANITA WATER	LOCAL WATER	FISH CANYON (G)	CANYON BASIN (F)	MAIN BASIN	THOMPSON CREEK (B)	SAN ANTONIO (B)	CITY OF POMONA	TUJUNGA	HEADWORKS				
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	37,700	39		
40		(C)		19,304	8,544			2,670	(C)	3,024	33,542	40		
41		(C)		45,618	13,298		563	28,093	(C)	3,446	91,018	41		
42		(C)		21,392	8,241		0	83	(C)	11,290	41,006	42		
43		(C)		24,502	7,702		505	26,000	(C)	12,134	70,843	43		
44		(C)		31,130	9,820		37	10,270	(C)	3,192	54,449	44		
45		(C)		34,681	14,467		18	4,957	(C)	0	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		898	0	10,867	38,467	55
56	349	80		19,135	8,406		0	927		660	0	6,553	36,110	56
57	295	36		16,225	6,199		0	0		1,341	0	4,784	28,880	57
58	3,897	313		47,419	7,616		164	12,881		3,026	0	6,278	81,594	58
59	343	14		24,558	6,176 (A)		0	0		2,820	0	9,045	42,956	59
60	43	2		6,111	(E)		0	0		963	0	8,040	15,159	60
61	41	2		2,534			0	0		12	0	6,121	8,710	61
62	1,313	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	+		71	0	12,881	31,419	65
66	4,075	386		22,981			0	13,056		508	4,537	11,783	57,326	66
67	4,236	767		34,415			45	10,727		856	8,331	8,870	68,247	67
68	1,723	107		26,955			21	549		407	0	11,860	41,622	68
69	1,871	2,024		17,733			850	29,960		340	16,728	6,698	76,204	69
70	521	67	7,635	1,697 (H)			0	365		242	2,380	11,021	23,928	70
71	1,299	118	10,968				0	26		251	399	6,804	19,872	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
TOTALS	3,434	5,368	40,695	949,540	252,772		2,398	238,257		16,662	225,518	283,682	2,046,326	TOTALS

- (A) Beginning in 1958-59, this excludes canyon water spread at Ben Lomad.
- (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 1974
 RECORD OF LOCAL WATER SPREAD
 ACRE - FEET**

SEASON	SAN FERNANDO VALLEY					SAN GABRIEL VALLEY - FOOTHILLS							LIVE OAK	SUBTOTAL	SEASON
	LOPEZ	PACOIMA	HANSEN	BRANFORD	ARROYO SECO	EATON S.G.	SANTA ANITA	SAWPIT	SAN GABRIEL CANYON *	LITTLE DALTON	BIG DALTON				
1930-31													10	10	1930-31
32										160	394			554	32
33		26								0	0			26	33
34		230								0	100			330	34
35		1,200								0	131			1,331	35
36		2,000								0	0			2,000	36
37		4,680								275	866			5,821	37
38		3,844								287	397			4,528	38
39		363								12	49			424	39
40		907								0	0			907	40
41		9,775								1,166	1,528			12,469	41
42		37								0	0			37	42
43		3,744								1,084	1,191			6,019	43
44		7,223								469	543			8,235	44
45		1,467	7,651					337		290	64			9,809	45
46		514	2,268					0		73	47			2,902	46
47		3,763	8,725					141	89	89	174			12,981	47
48		0	0					1	0	0	0			1	48
49		0	0			108		0	0	8	0			204	49
50		245	0			283		61	0	0	66			683	50
51		0	0			19		0	0	19	0			38	51
52		6,121	16,780			986	1,196	448	517	563	856			27,467	52
53		1,651	1,271			216	0	58	56	9	3			3,264	53
54		1,891	1,014			455	190	265	0	161	370			4,346	54
55		205	0			197	0	145	0	0	0			547	55
56	0	566	2	0	301	181	161	180	30	180	180			1,601	56
57	28	475	0	38	397	0	2	38	11	16	16			1,005	57
58	1,030	10,922	18,407	20	2,088	861	1,576	978	658	2,380	38,920			38,920	58
59	0	352	1,023	+	352	130	185	199	22	145	2,408			2,408	59
60	0	379	0	6+	0	0	810	38	0	0	1,233			1,233	60
61	0	78	0	183	0	0	304	29	0	27	621			621	61
62	673	5,635	12,570	402	1,103	1,021	664	547	394	1,212	24,259	38		24,259	62
63	52	643	0	415	249	7	449	126	43	77	2,061	+		2,061	63
64	212	1,206	0	376	317	24	327	135	18	165	2,780	0		2,780	64
65	0	1,199	0	563	744	324	575	161	100	193	3,859	0		3,859	65
66	1,020	11,701	19,806	391	1,036	2,000	1,641	1,367	987	2,063	42,101	89		42,101	66
67	1,472	22,800	31,383	623	1,828	1,450	1,563	2,458	1,846	3,766	69,519	330		69,519	67
68	1,938	1,819	9,836	339	855	305	638	790	187	848	17,555	0		17,555	68
69	893	14,262	32,464	461	609	3,249	494	321	335	2,074	55,965	803		55,965	69
70	0	1,577	11,927	724	195	483	1,415	769	19,583	220	37,500	45		37,500	70
71	727	4,049	11,657	507	644	583	334	529	14,037	226	34,181	0		34,181	71
72	0	1,113	1,932	191	173	0	31	216	6,481	23	10,204	0		10,204	72
73	0	6,343	11,755	430	1,214	1,689	732	1,396	13,428	484	38,812	88		38,812	73
74	946	2,378	6,287	285	1,478	1,581	427	1,043	14,233	136	28,816	0		28,816	74
TOTALS	8,991	137,383	206,758	5954	15,847	15,336	13,722	12,009	67,762	10,386	23,900	1,393		519,333	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 1974
RECORD OF LOCAL WATER SPREAD
ACRE - FEET

SEASON	MAIN SAN GABRIEL VALLEY										COASTAL PLAIN					TOTAL	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, LAGUNA SYSTEMS (F)	LAGUNA S.B.	WALTERIA S.B.			DOMINGUEZ S.B.
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			87	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	2,180	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	333	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	387	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	35,061	+	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	100,580	74
TOTALS	12,397	79,065	16,395	281,839	35,242	1,886	49,121	11,038	18,877	1,535	215,598	329,555	382,769	+	3,864	12,572	1,981,086	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 1974**

IMPORTED WATER (ACRE-FEET)

SEASON	WATER FOR UPPER SAN GABRIEL VALLEY				WATER FOR COASTAL PLAIN			SUBTOTAL	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)			
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					10,989	32,227	37,450	80,636	80,636	60
61					25,740	51,090	70,166	146,996	146,996	61
62					28,164	77,183	102,781	208,128	208,128	62
63					12,418	38,798	29,411	80,627	80,627	63
64					18,850	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	38,347	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	7,088	11,285	32,823	47,712	91,820	98,908	73
74	12,376	5,045	0	17,421	12,452	33,771	45,848	92,071	109,492	74
TOTALS	20,165	7,260	95,608	123,033	305,372	622,190	858,140	1,791,103	1,914,136	TOTAL

(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 1974**

SEASON	RECLAIMED WATER (ACRE-FEET)			DISTRIBUTED WATER (a)		FINANCED BY			SEASON	
	WHITTIER SAN GABRIEL SYSTEM LOWER	NARROWS RIO HONDO SYSTEM (b)	PLANT SUBTOTAL	SAN JOSE PLANT SAN GABRIEL SYSTEM LOWER	TOTAL RECLAIMED(c)	TOTAL	ZONE 1	C & WBWRD		USGVMWD
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		12,405	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	193,134	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	130,985	0	113,464	17,421	74
TOTALS	45,002	141,111	186,113	16,283	202,396	2,116,532	893,869	1,087,729	129,533	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 1974**

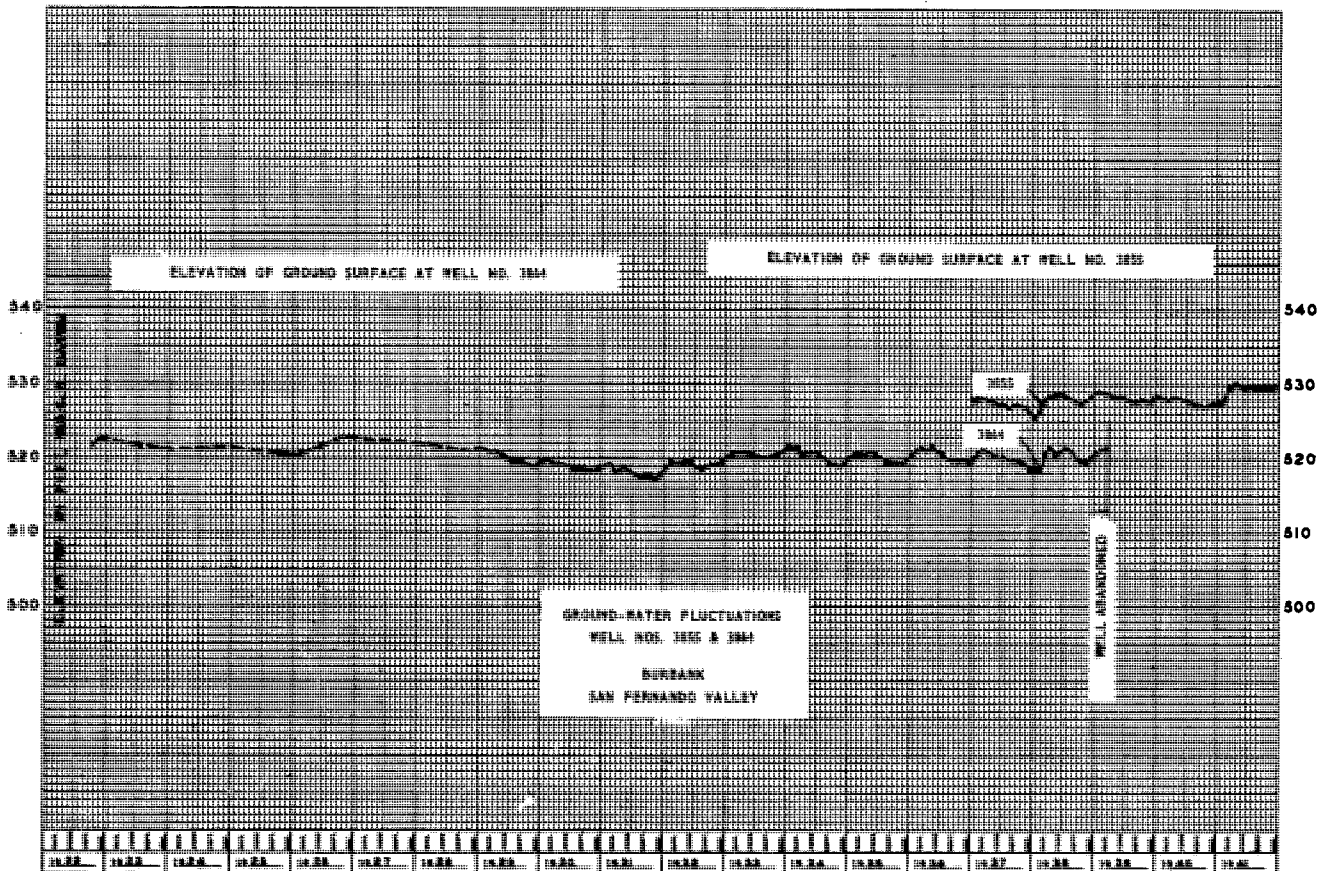
WATER YEAR	WEST COAST BASIN BARRIER PROJECT				ALAMITOS BARRIER PROJECT			DOMINGUEZ GAP BARRIER PROJECT			TOTAL ALL PROJECTS	
	STATE APPROPRIATION	C & WBWRD	WBWA	ZONE II	TOTAL WCBBP	C & WBWRD	OCWD	TOTAL ABP	C & WBWRD	ZONE II		TOTAL DGBP
1952-53	1,141*				1,141							1,141
54	761*		1,673	856	3,290							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		26,401			26,401	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
TOTAL	1,902	247,595	1,673	135,869	387,039	39,608	7,220	46,829	26,700	1,346	28,046	461,914

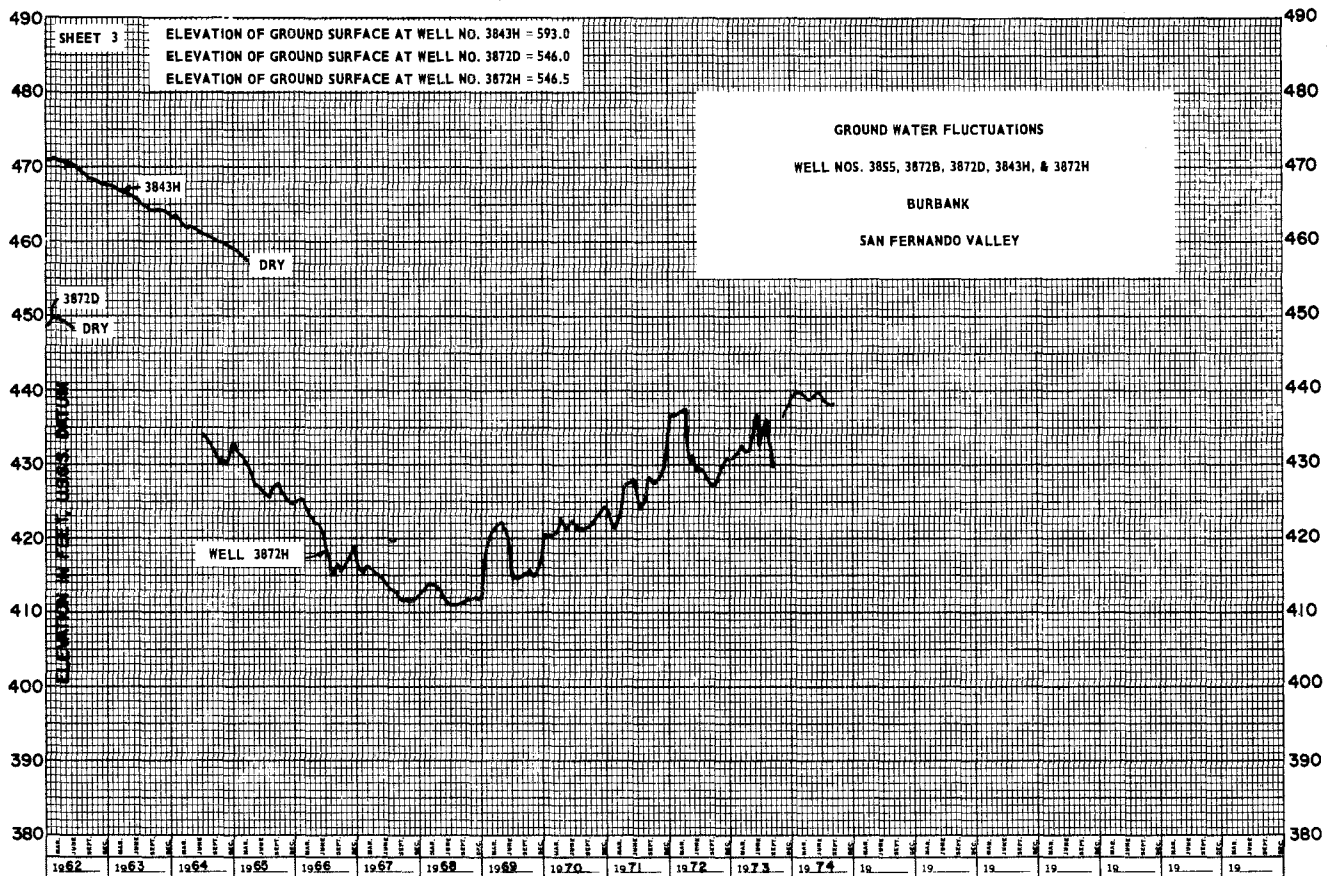
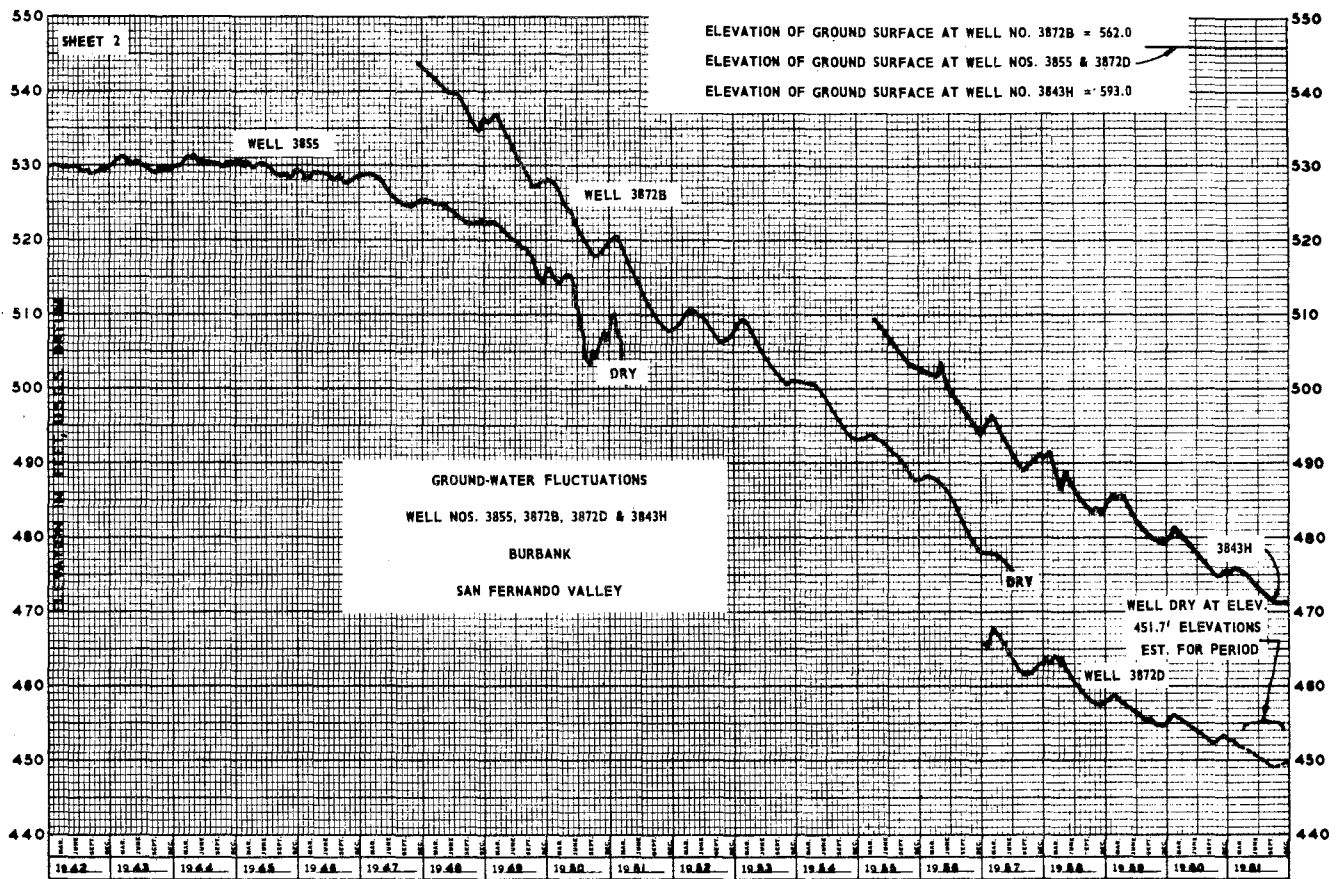
* Funds provided for West Coast Basin Experimental Project by State Water Resources Board.

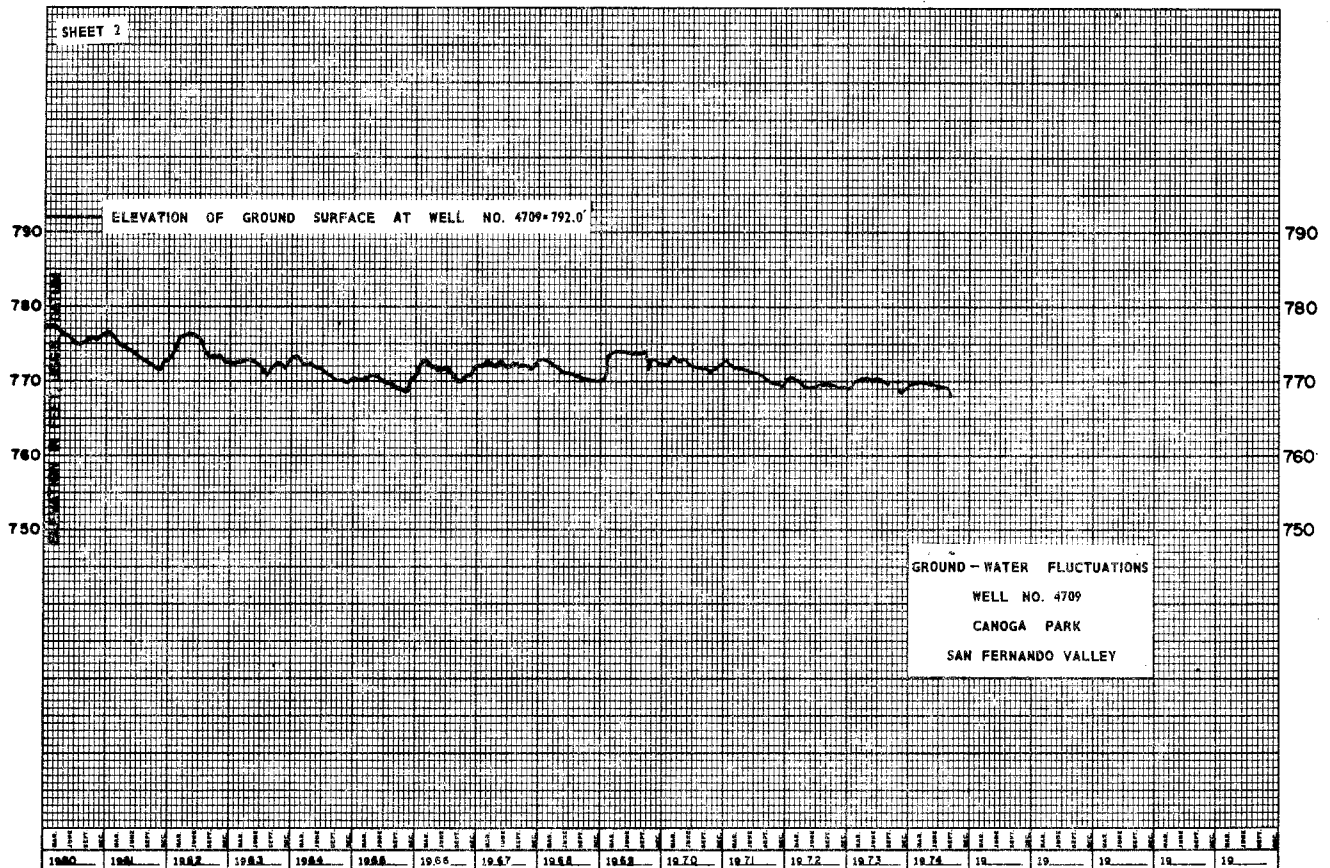
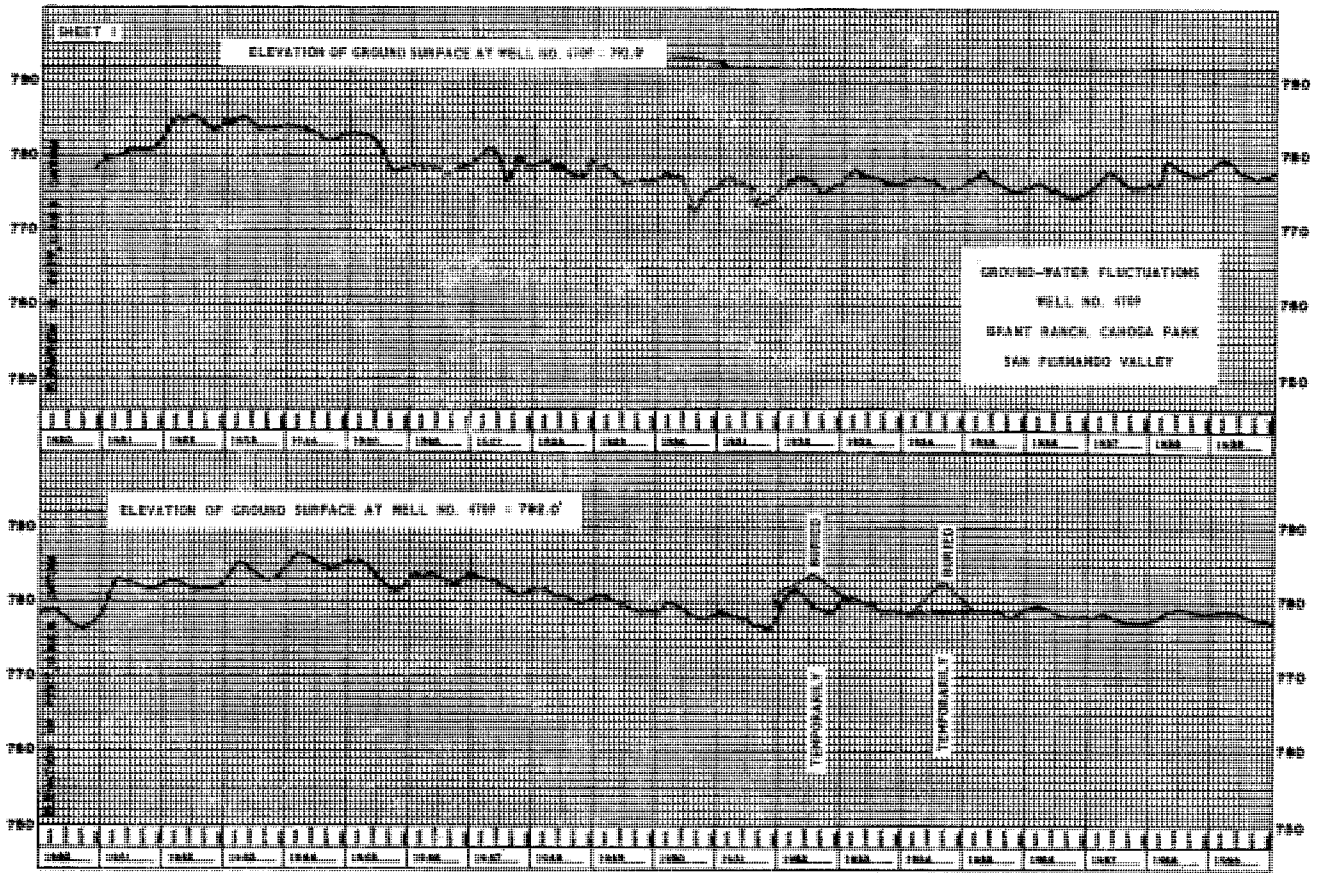
WELL HYDROGRAPHS INCLUDED IN THIS REPORT

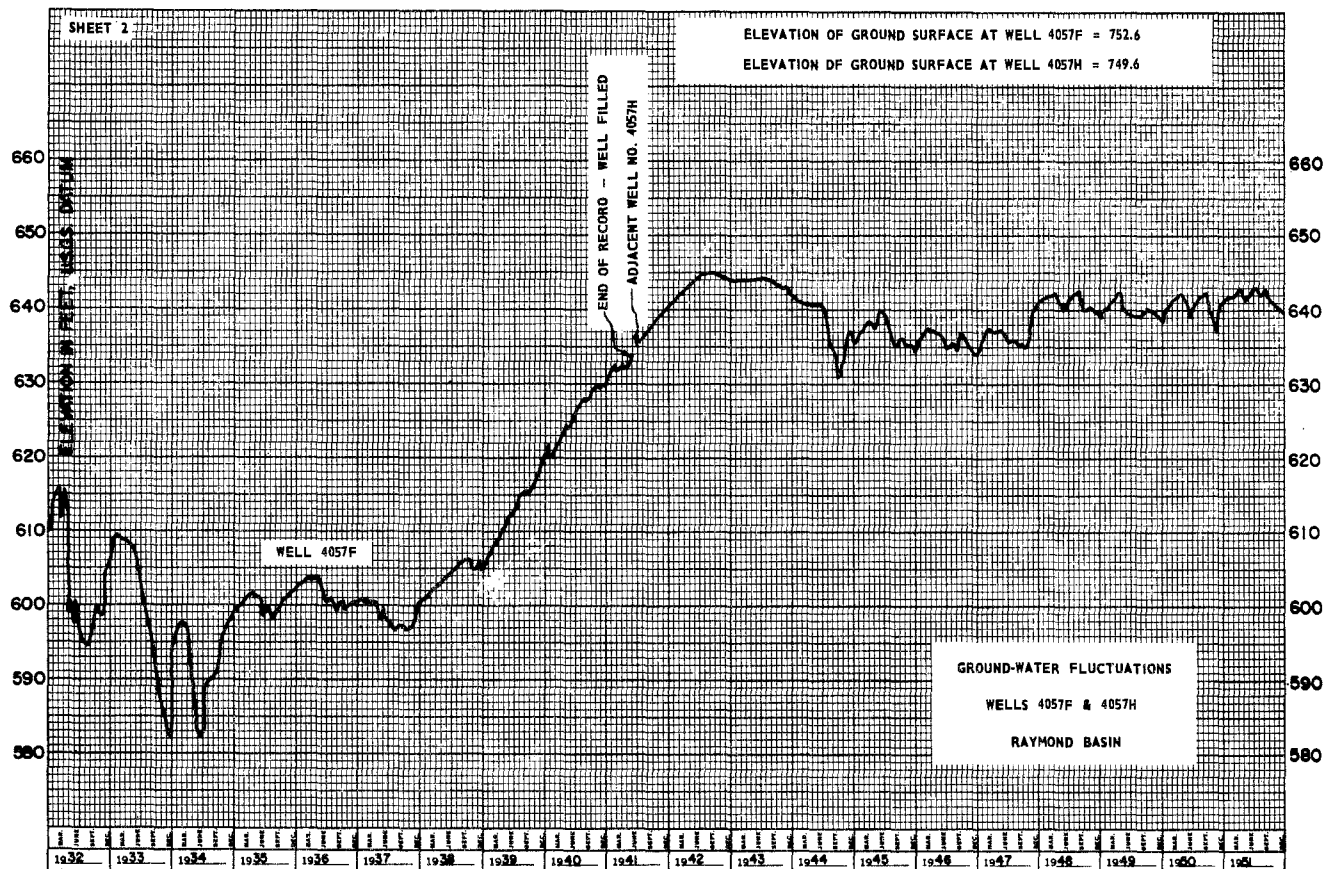
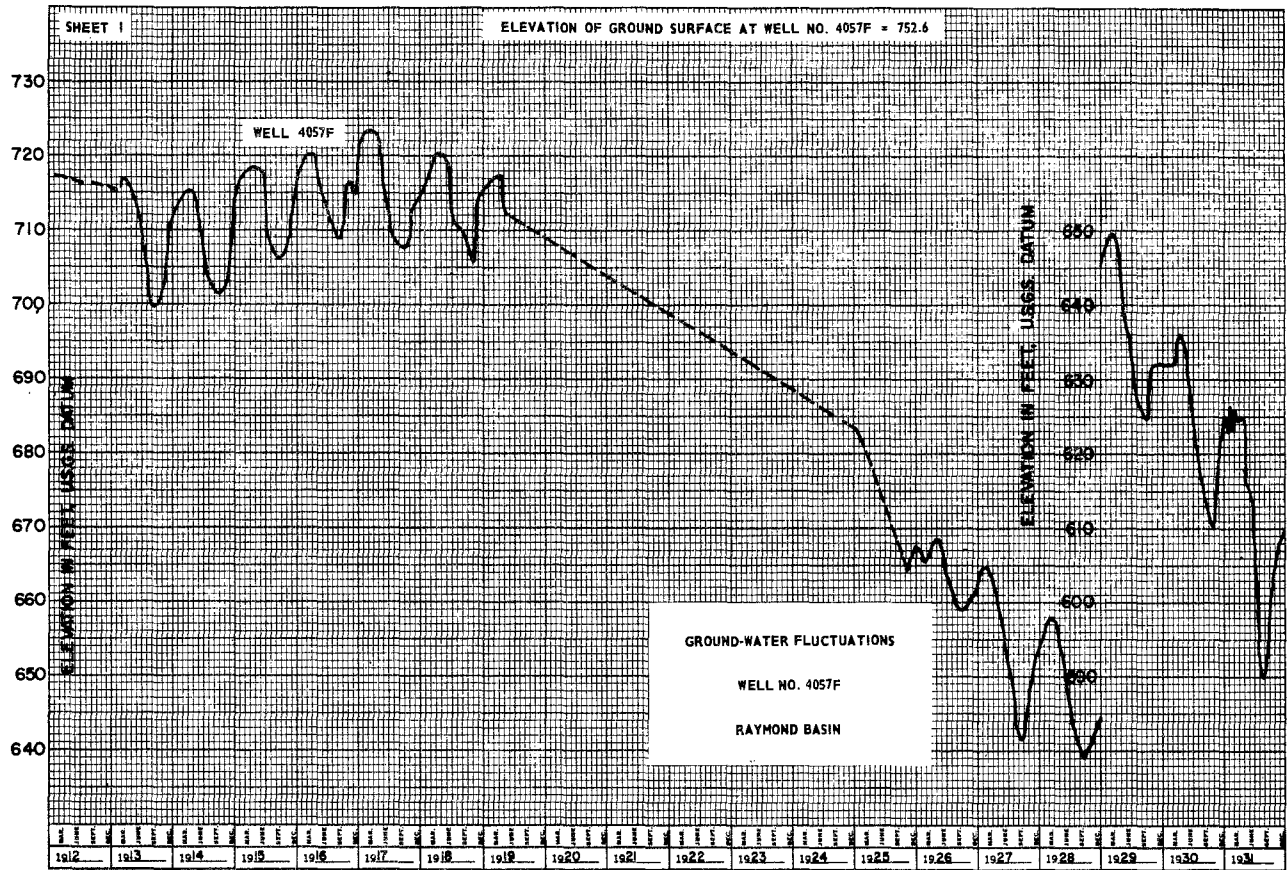
WELL NO.*	GROUND-WATER BASIN	APPROXIMATE LOCATION	PAGE NO.
3872H	MAIN SAN FERNANDO BASIN	CLARK AVENUE AND GRIFFITH PARK DRIVE, BURBANK	237
4709	MAIN SAN FERNANDO BASIN	SHERMAN WAY AND DEERING AVENUE, CANOGA PARK	239
4057H	RAYMOND BASIN	LOS ROBLES AND GLENARM STREETS, PASADENA	240
2955X	MAIN SAN GABRIEL	TYLER AVENUE AND CENTRAL AVENUE, SOUTH EL MONTE	242
3030F	MAIN SAN GABRIEL	600 FEET NORTHWEST OF THE INTERSECTION OF LOS ANGELES STREET AND MAINE AVENUE, BALDWIN PARK	243
4285A	UPPER SAN GABRIEL CANYON	2,000 FEET NORTHWEST OF THE INTERSECTION OF SIERRA MADRE AVENUE AND AZUSA AVENUE, AZUSA	245
4506A	UPPER CLAREMONT HEIGHTS	1,500 FEET NORTHEAST OF THE INTERSECTION OF POMELLO DRIVE AND PADUA AVENUE, CLAREMONT	247
3251E	POMONA BASIN	2,200 FEET NORTH OF THE INTERSECTION OF SAN BERNARDINO FREEWAY AND TOWNE AVENUE, POMONA	248
1601T	CENTRAL BASIN	1,000 FEET SOUTH OF THE INTERSECTION OF WASHINGTON BOULEVARD AND ROSEMEAD BOULEVARD, MONTEBELLO	249
906D	CENTRAL BASIN	1,300 FEET NORTHWEST OF THE INTERSECTION OF LONG BEACH BOULEVARD AND SAN ANTONIO DRIVE, LONG BEACH	251
460K	CENTRAL BASIN	2,600 FEET NORTHEAST OF THE INTERSECTION OF LAKEWOOD BOULEVARD AND PACIFIC COAST HIGHWAY, LONG BEACH	252
1346D	WEST BASIN	1,900 FEET WEST OF THE INTERSECTION OF IMPERIAL HIGHWAY AND HAWTHORNE BOULEVARD, HAWTHORNE	254
7048A	SANTA CLARITA VALLEY	SOUTHEAST OF THE INTERSECTION OF NEWHALL AVENUE AND HENRY MAYO DRIVE, SAUGUS	255
9962C	LANCASTER	1,500 FEET NORTHWEST OF THE INTERSECTION OF SIERRA HIGHWAY AND AVENUE K, LANCASTER	256

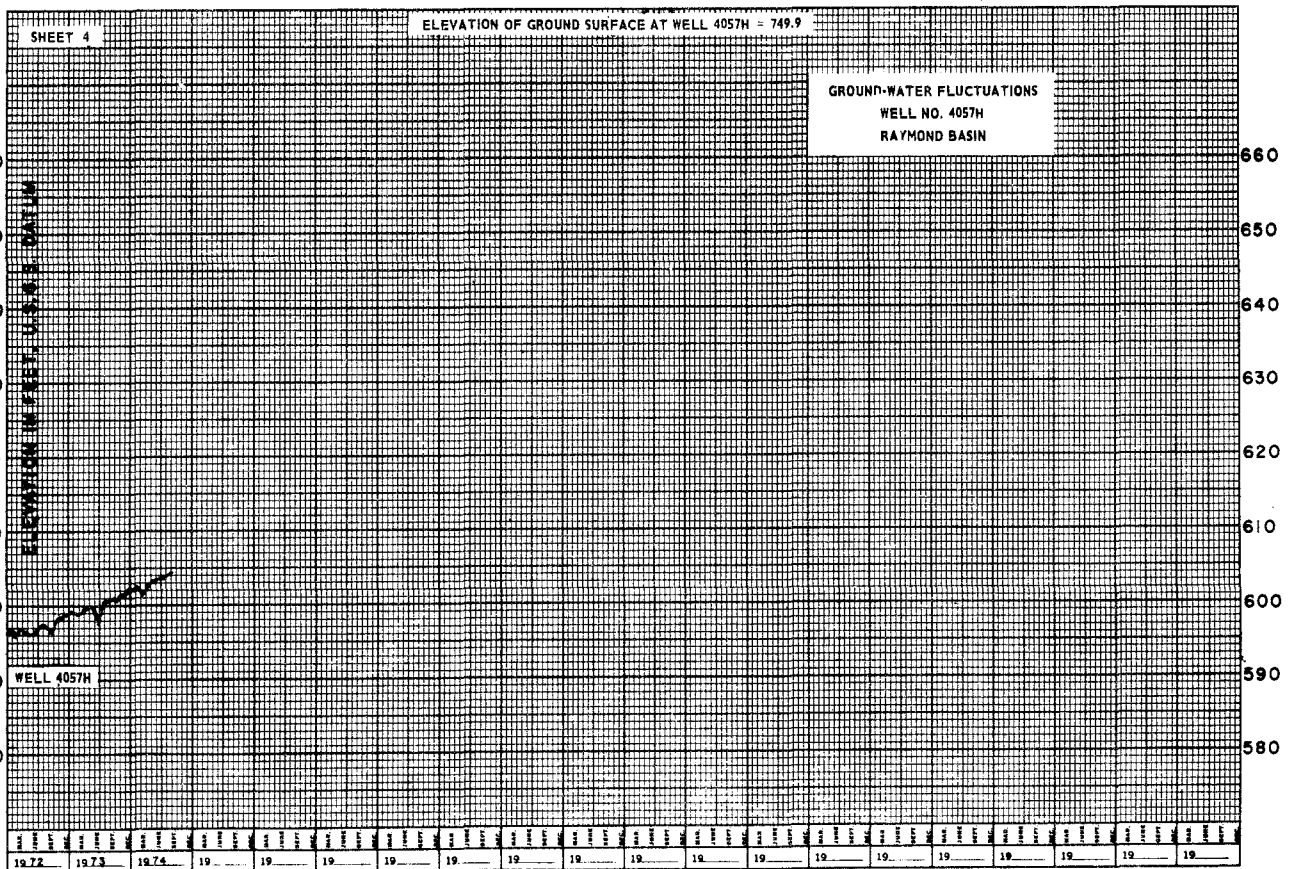
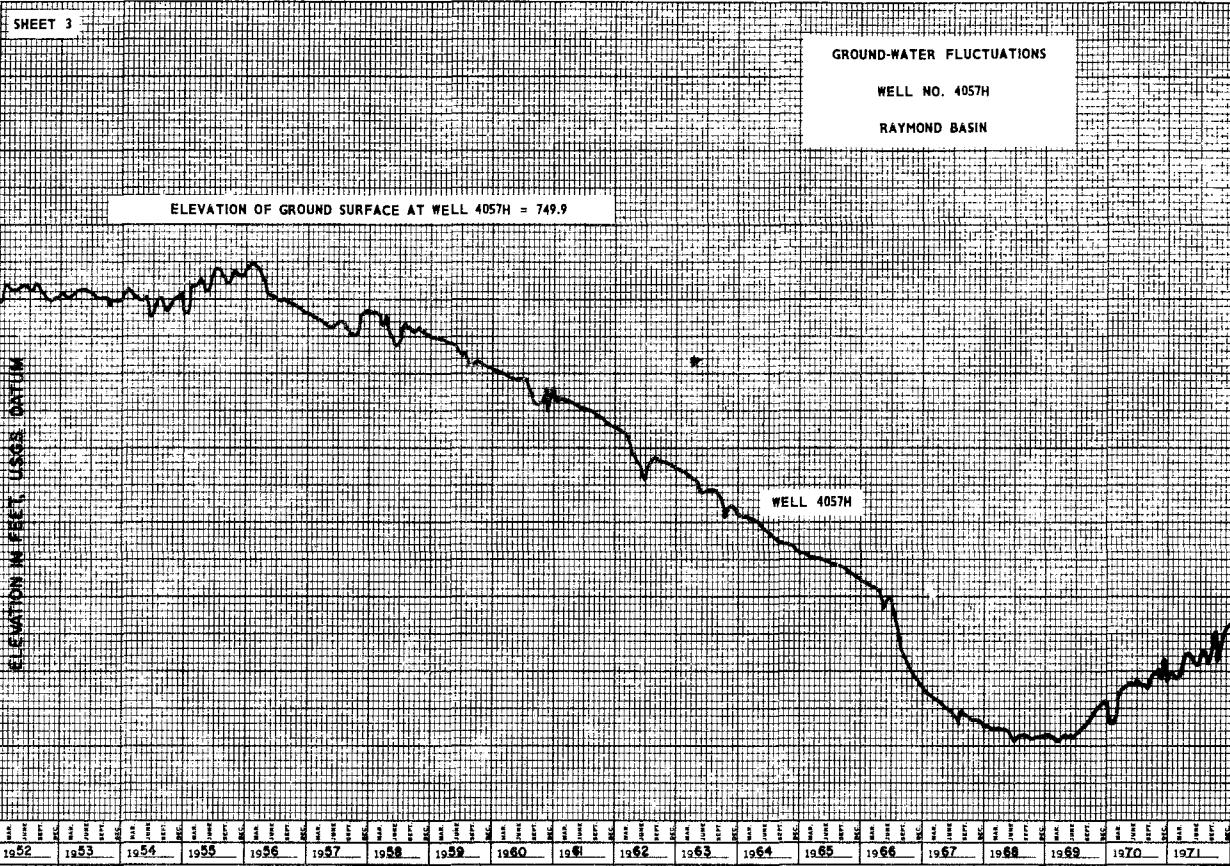
* WELL LISTED IS THAT WELL CURRENTLY BEING MEASURED AT THE LOCATION DESCRIBED.

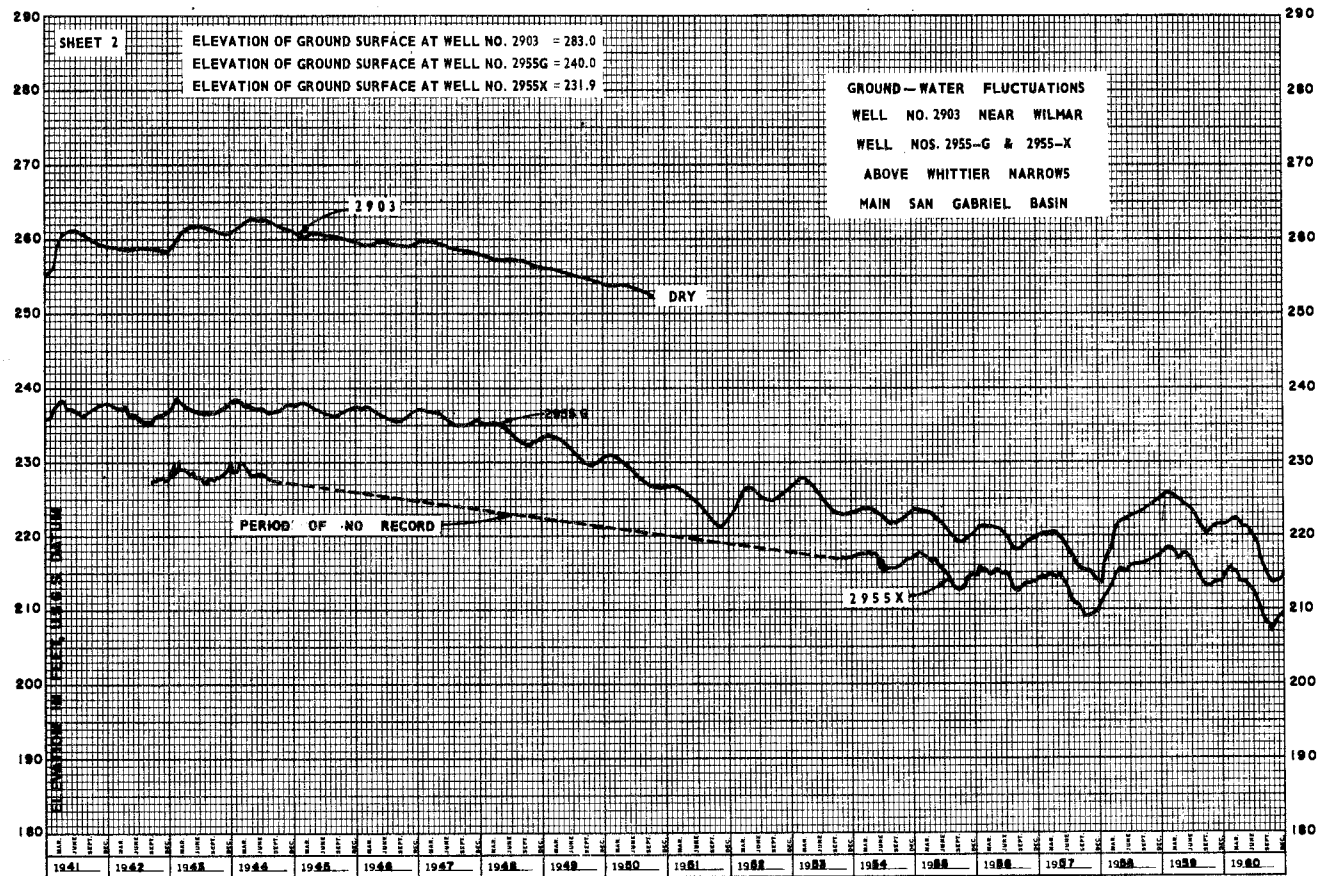
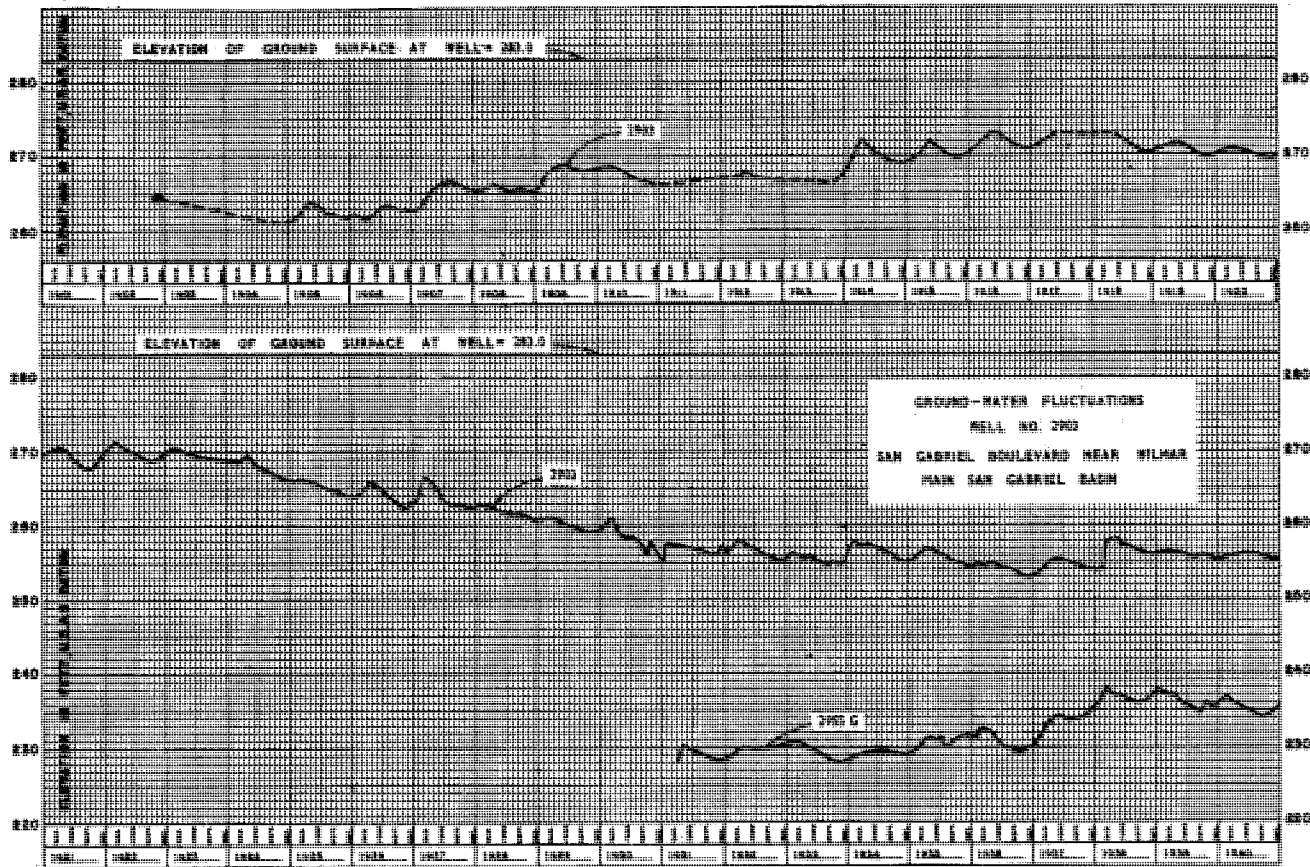


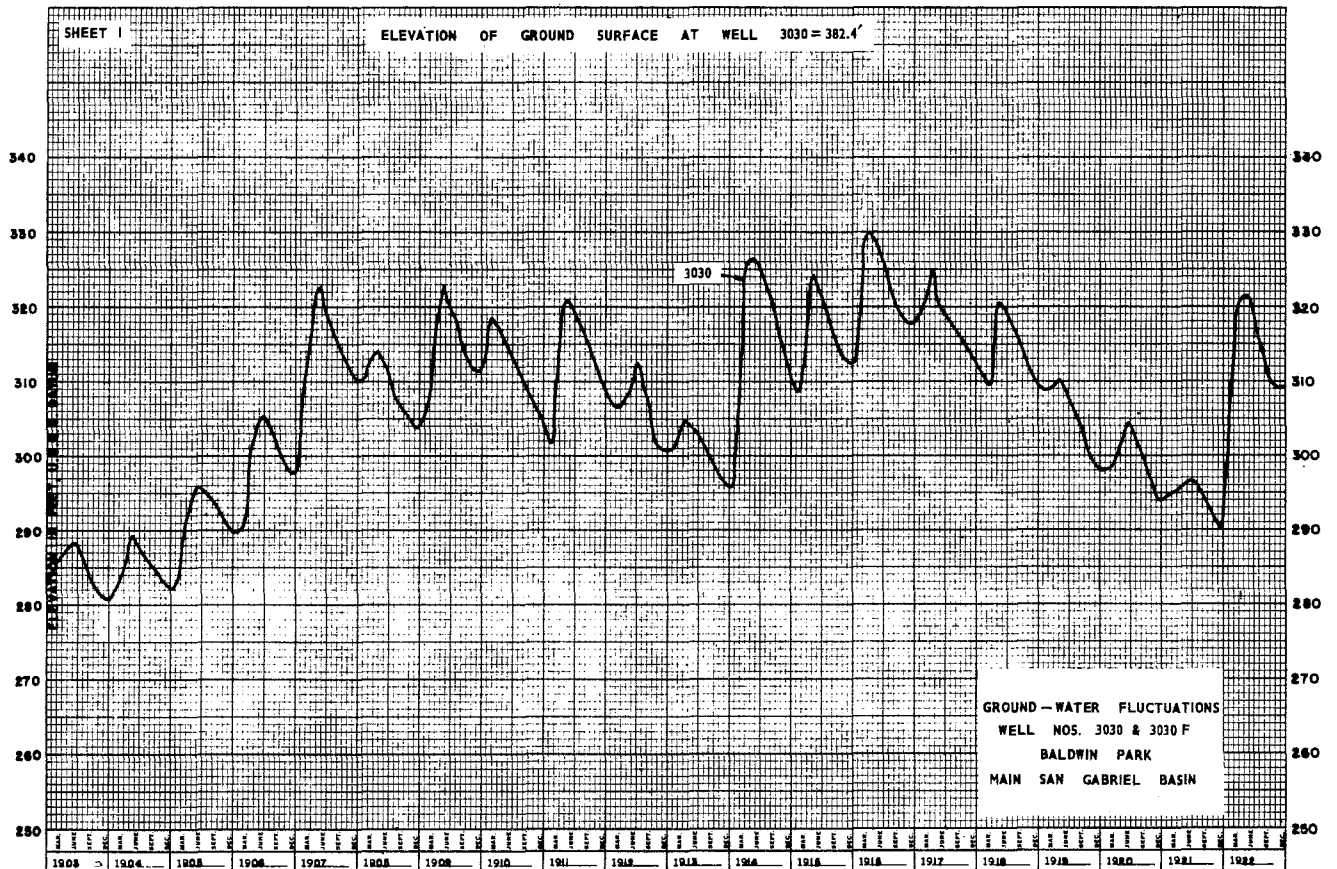
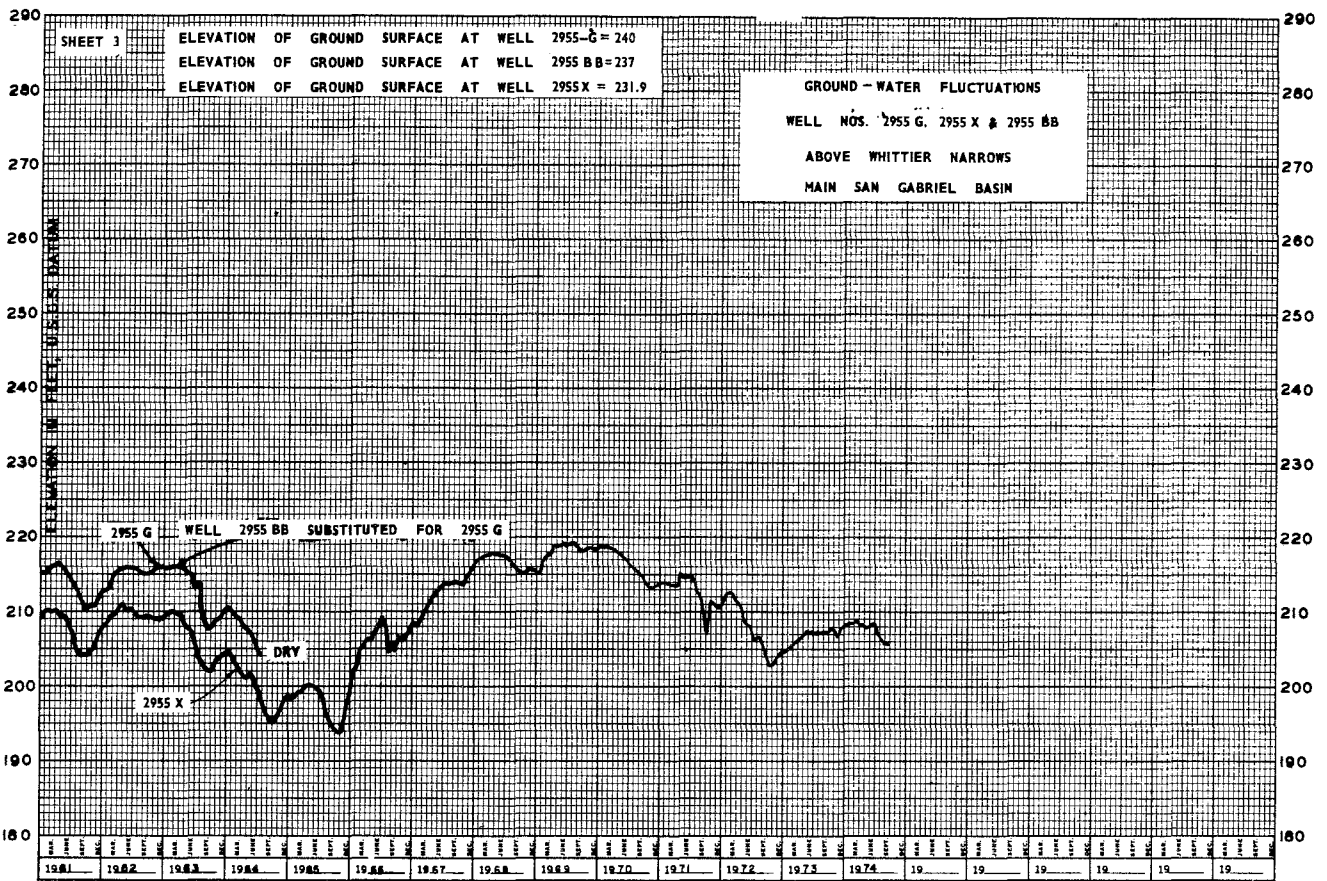


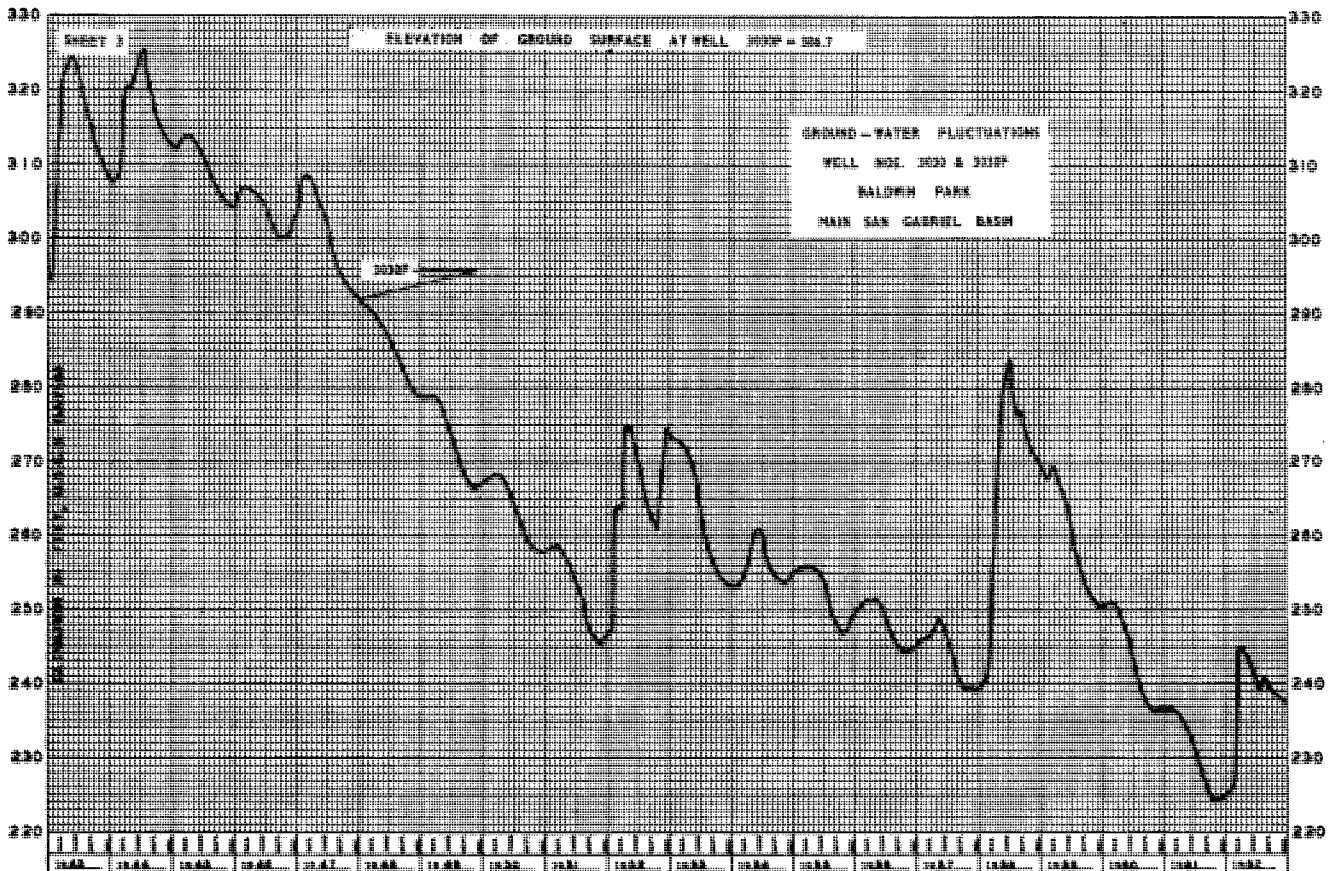
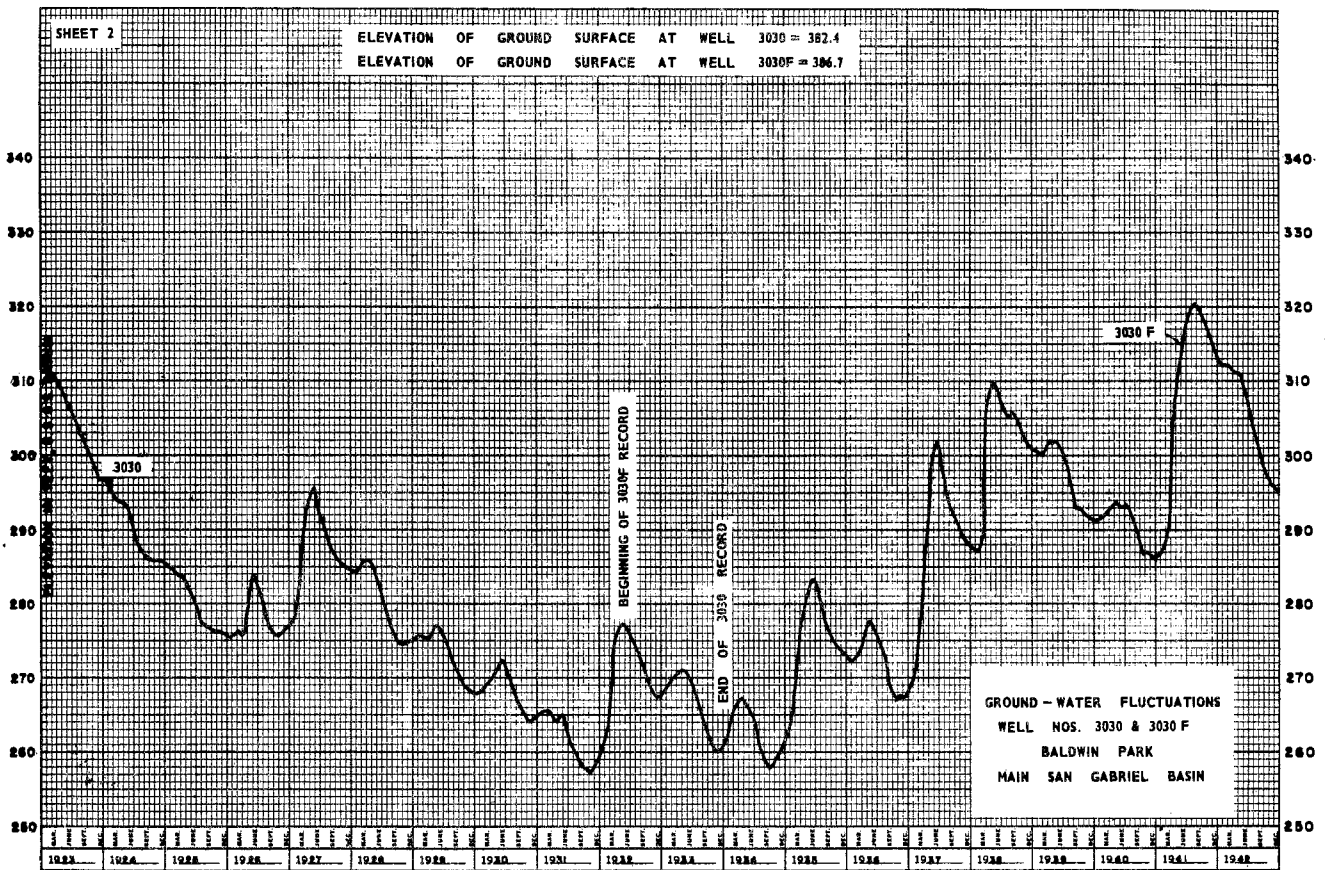


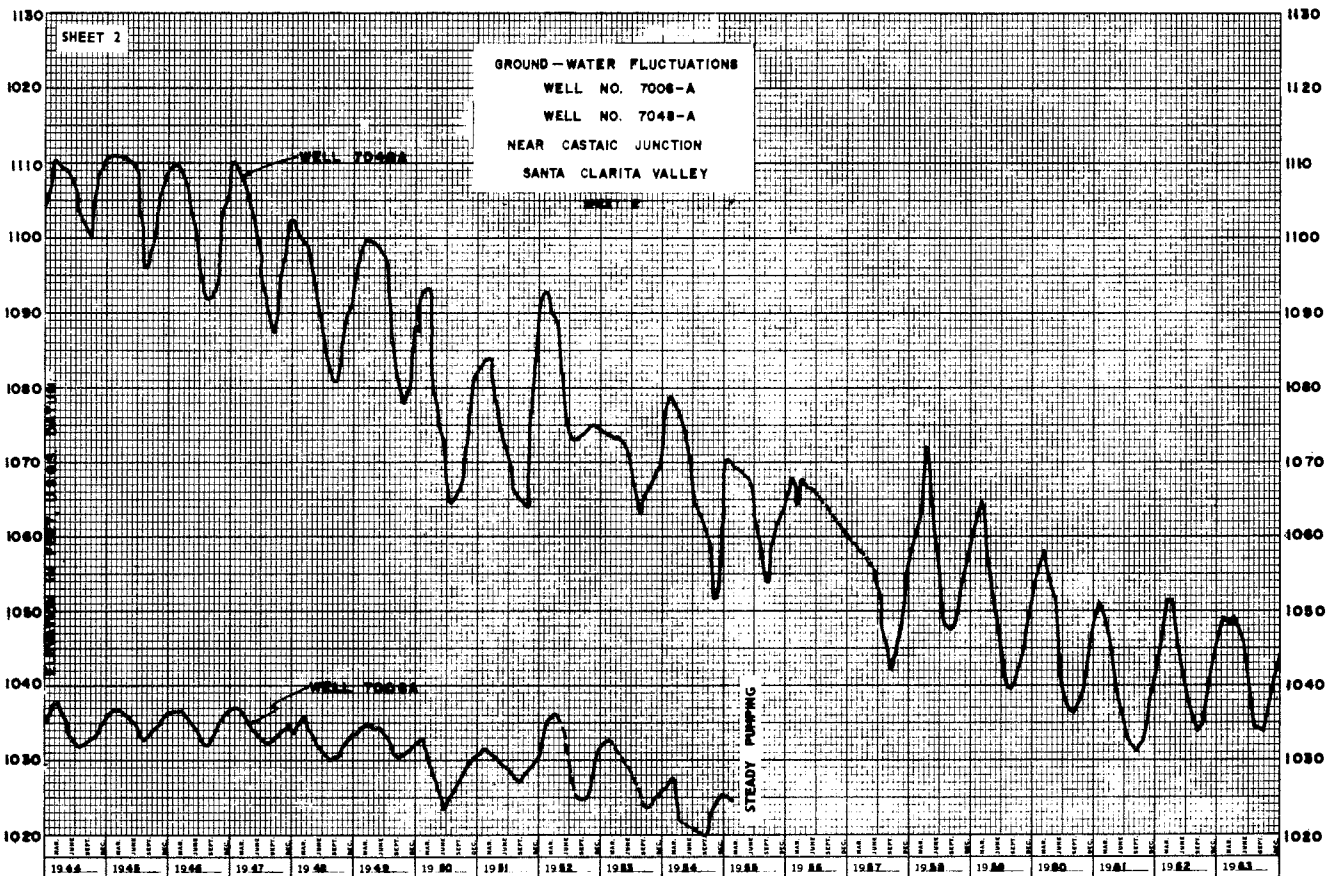
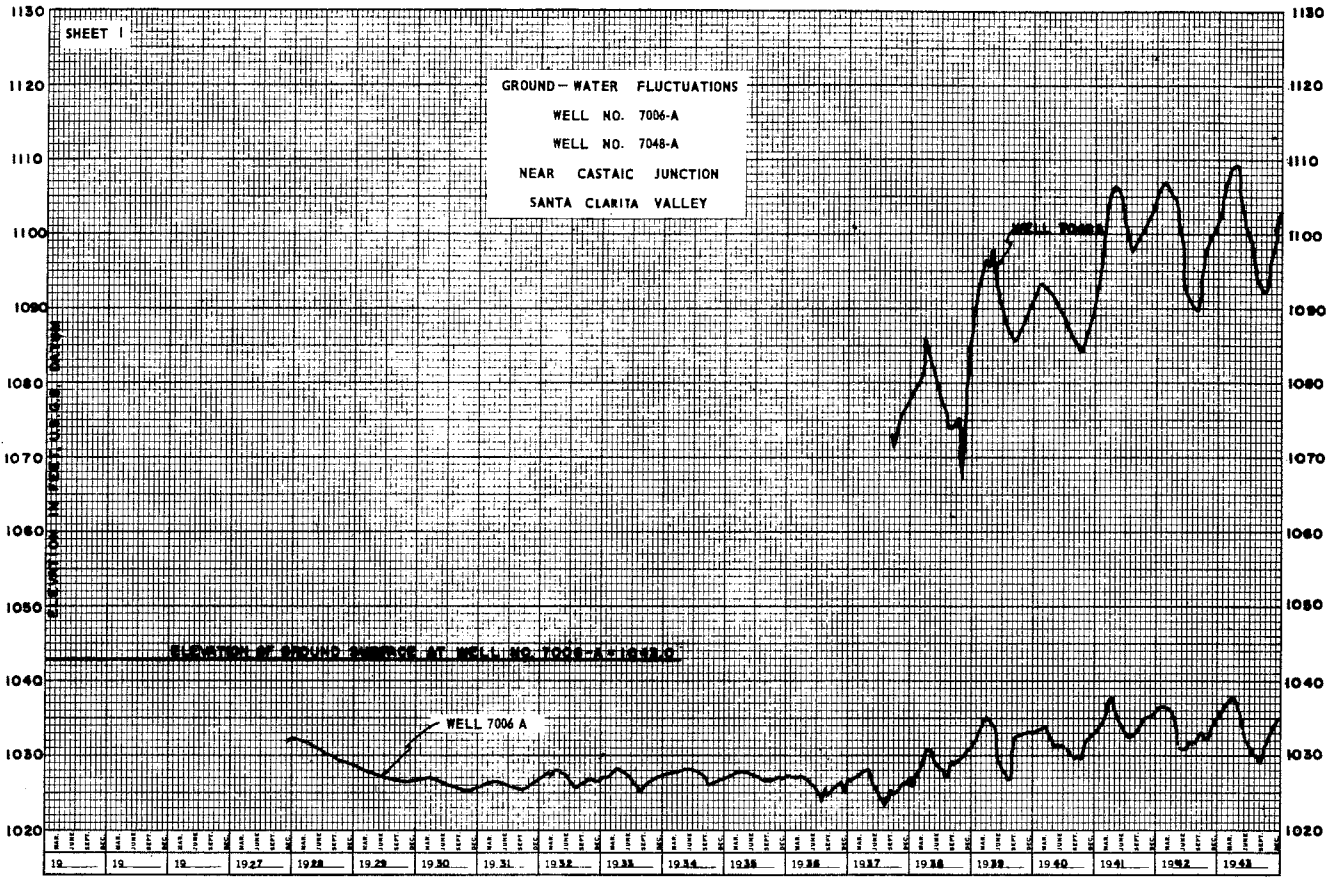


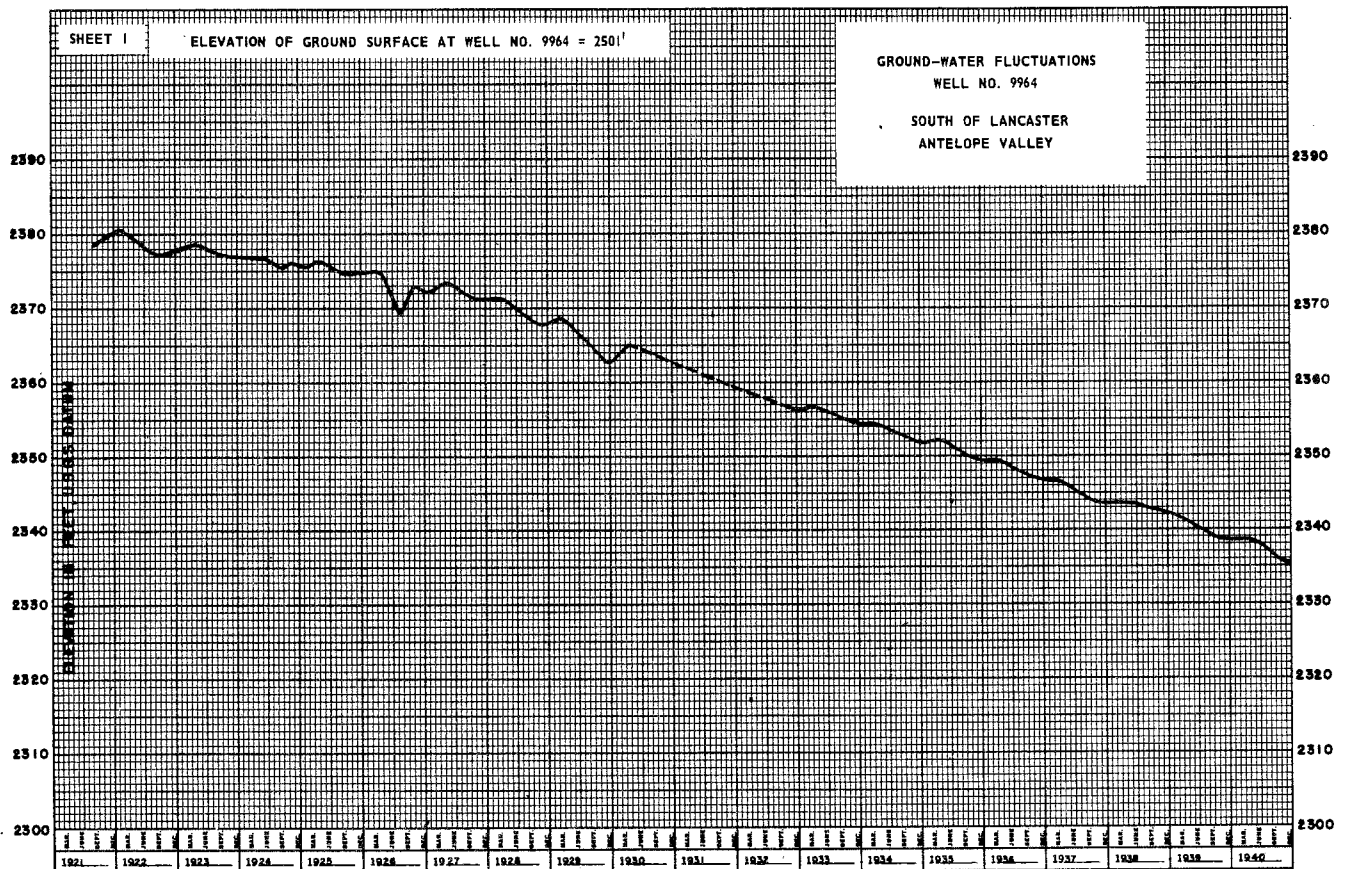
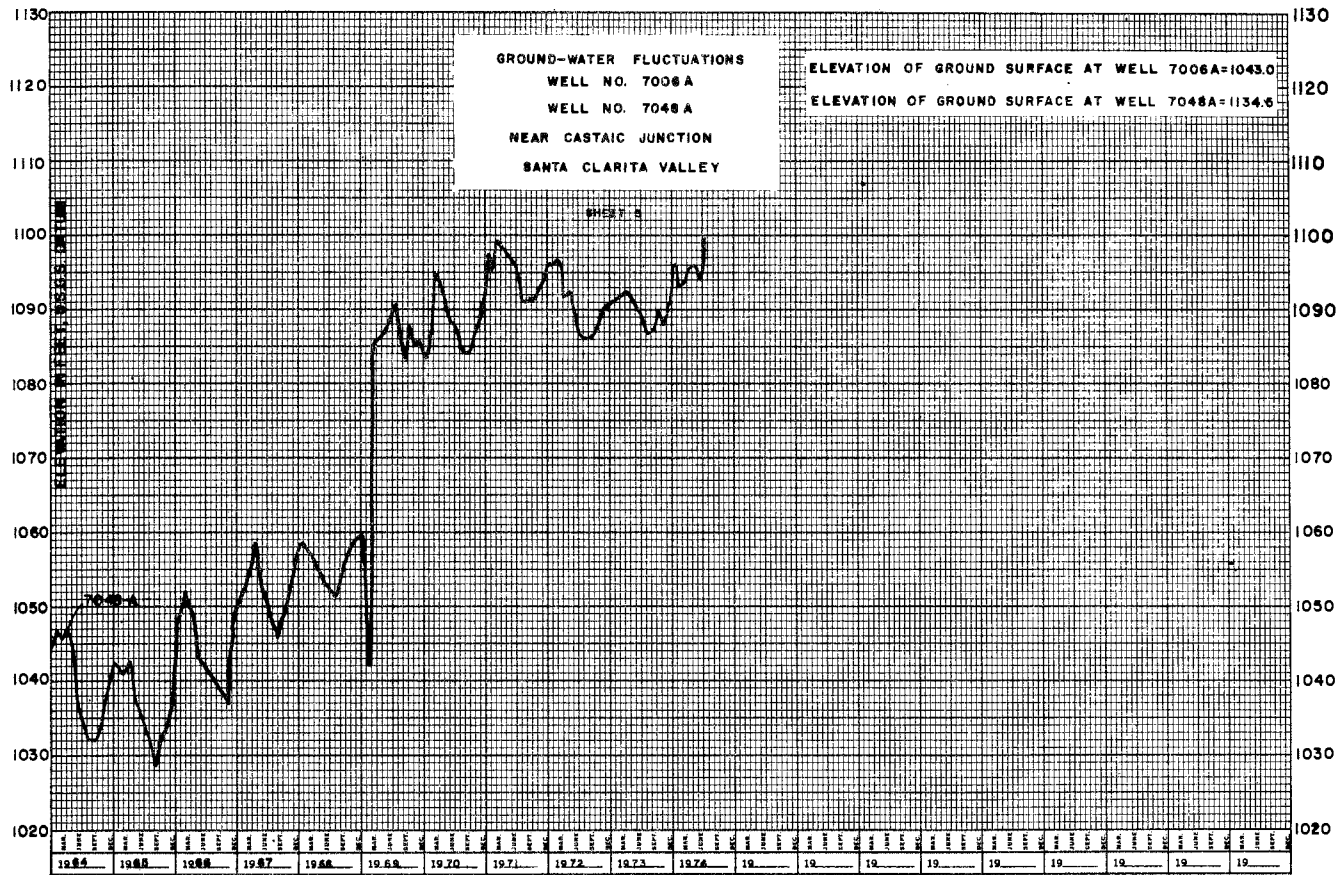


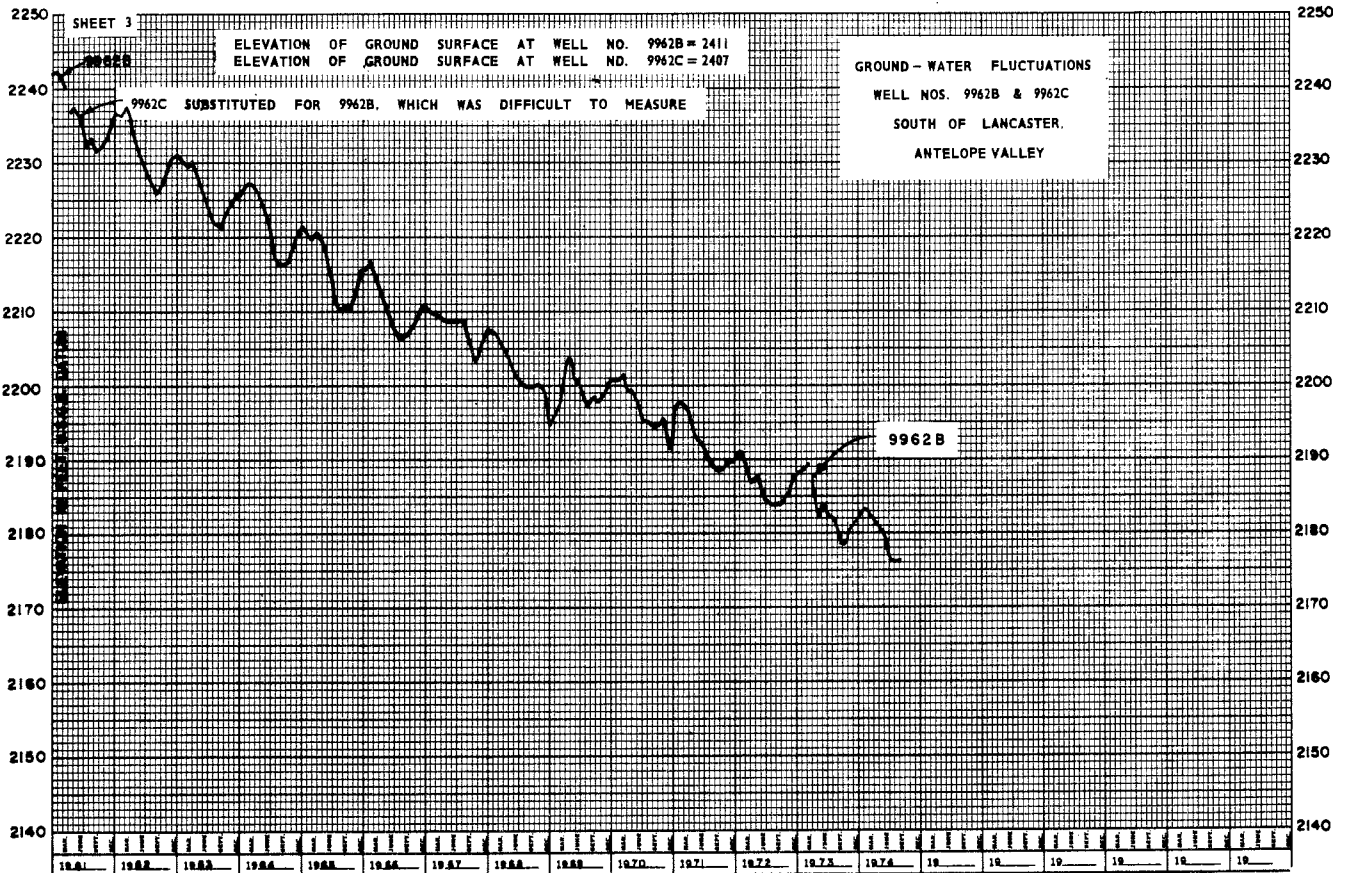
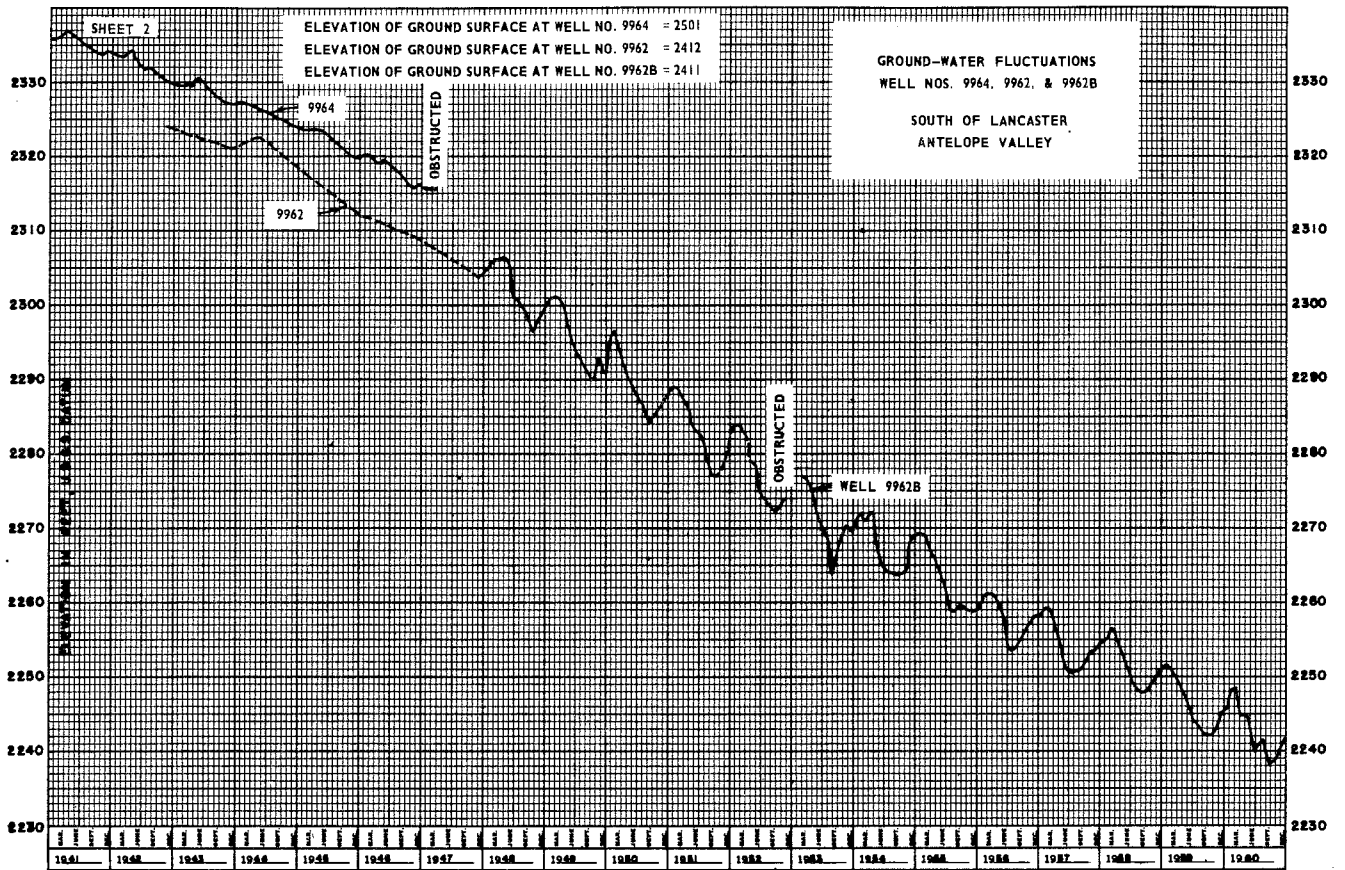


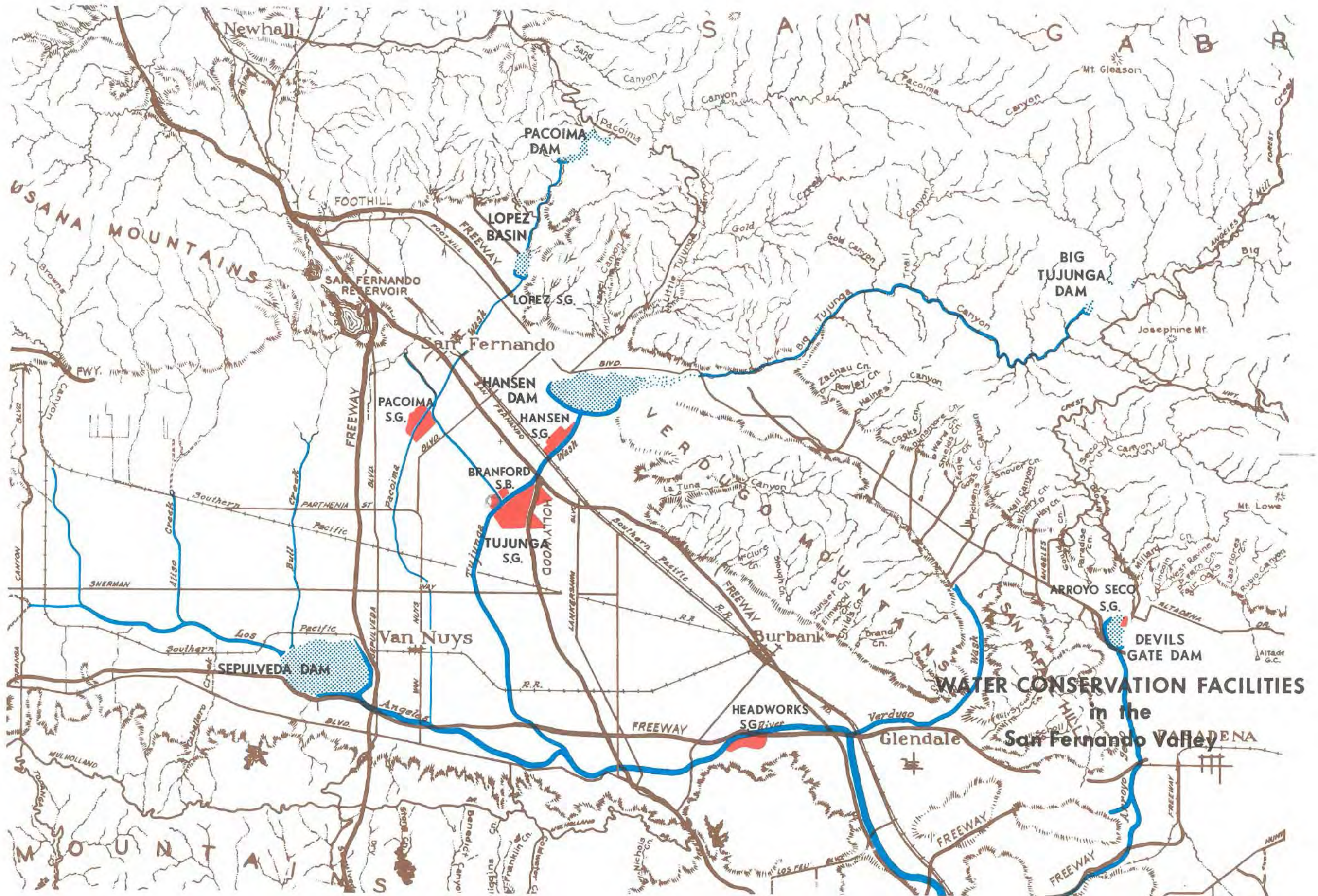




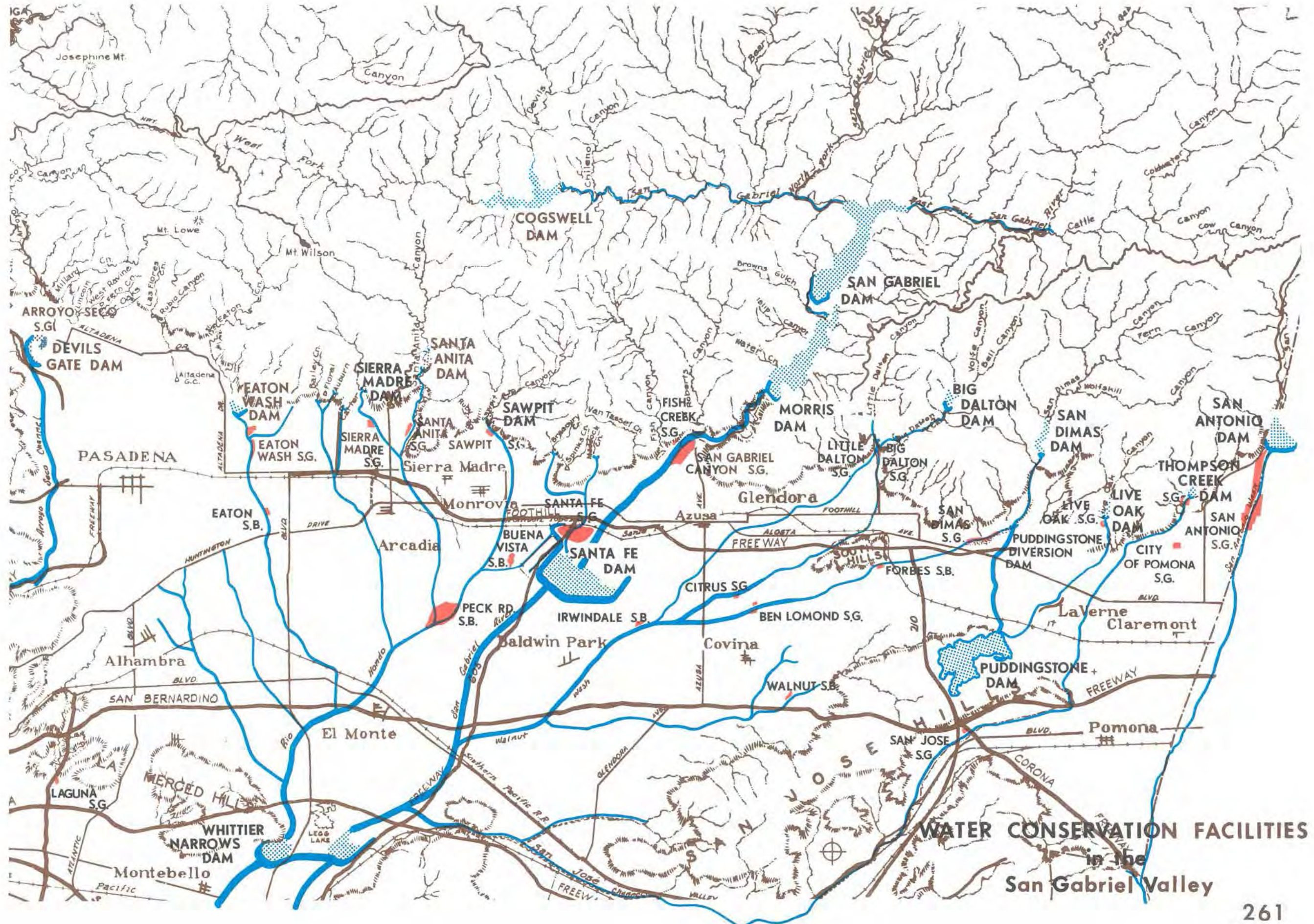




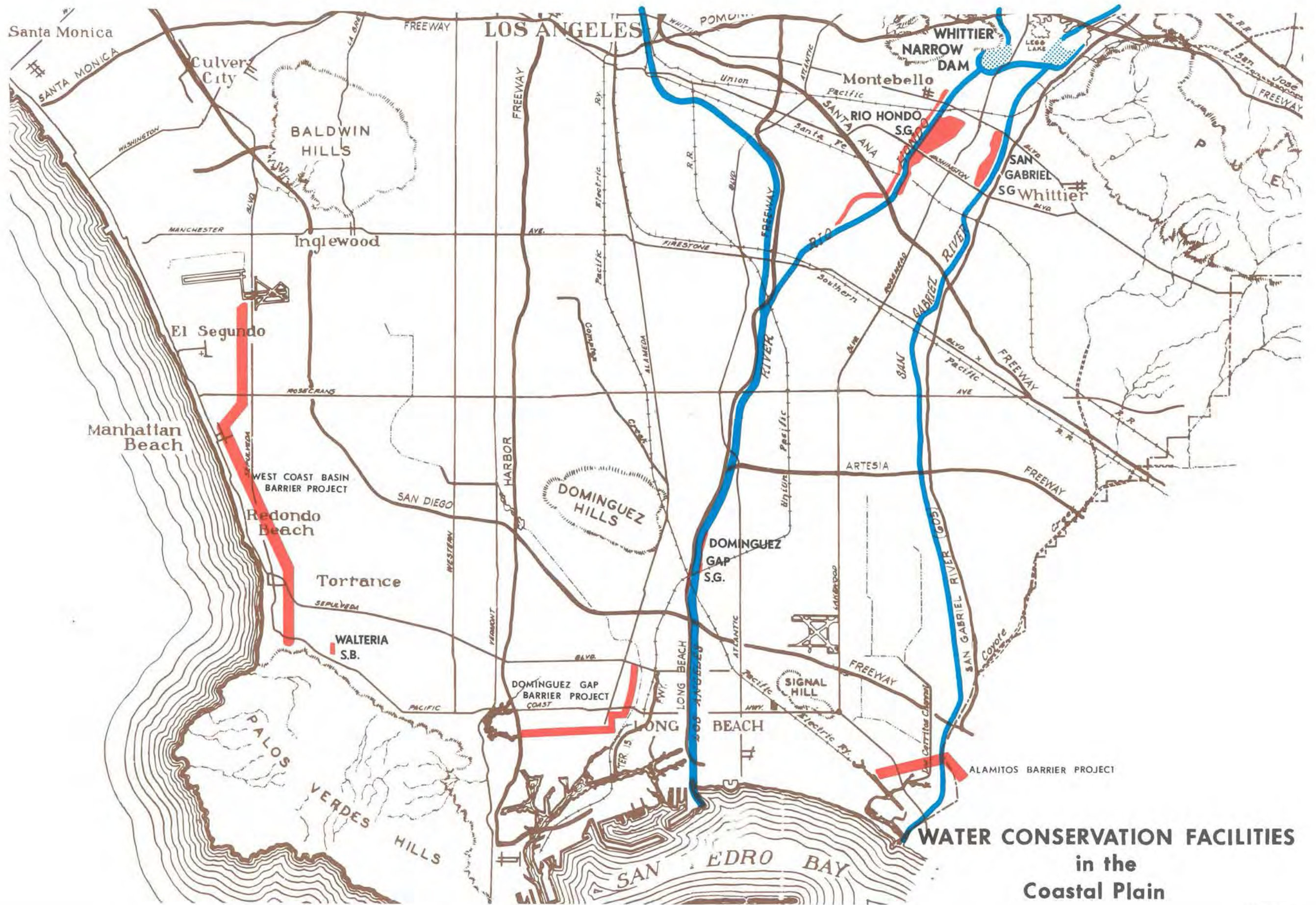




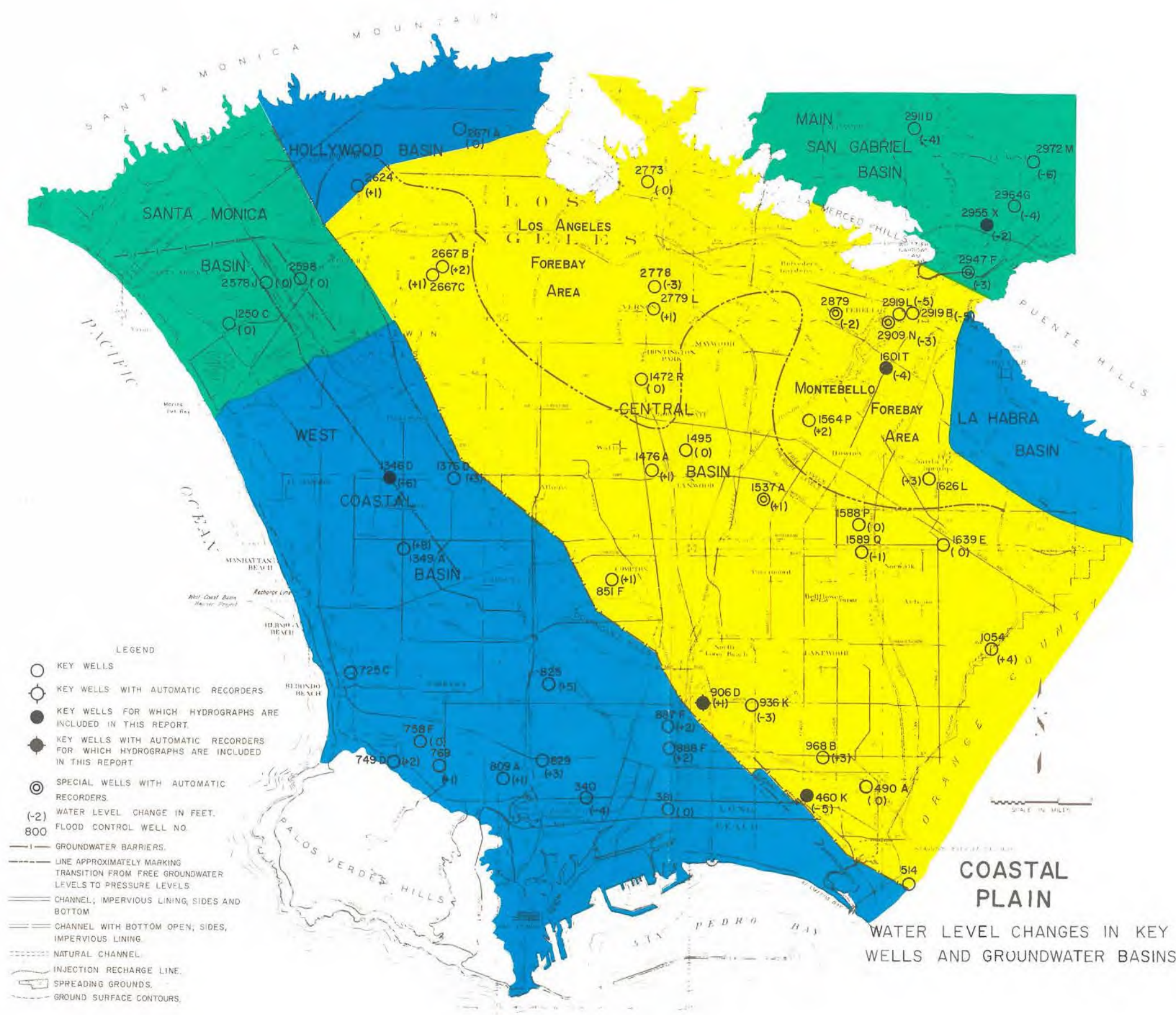
**WATER CONSERVATION FACILITIES
in the
San Fernando Valley**



WATER CONSERVATION FACILITIES
in the
San Gabriel Valley

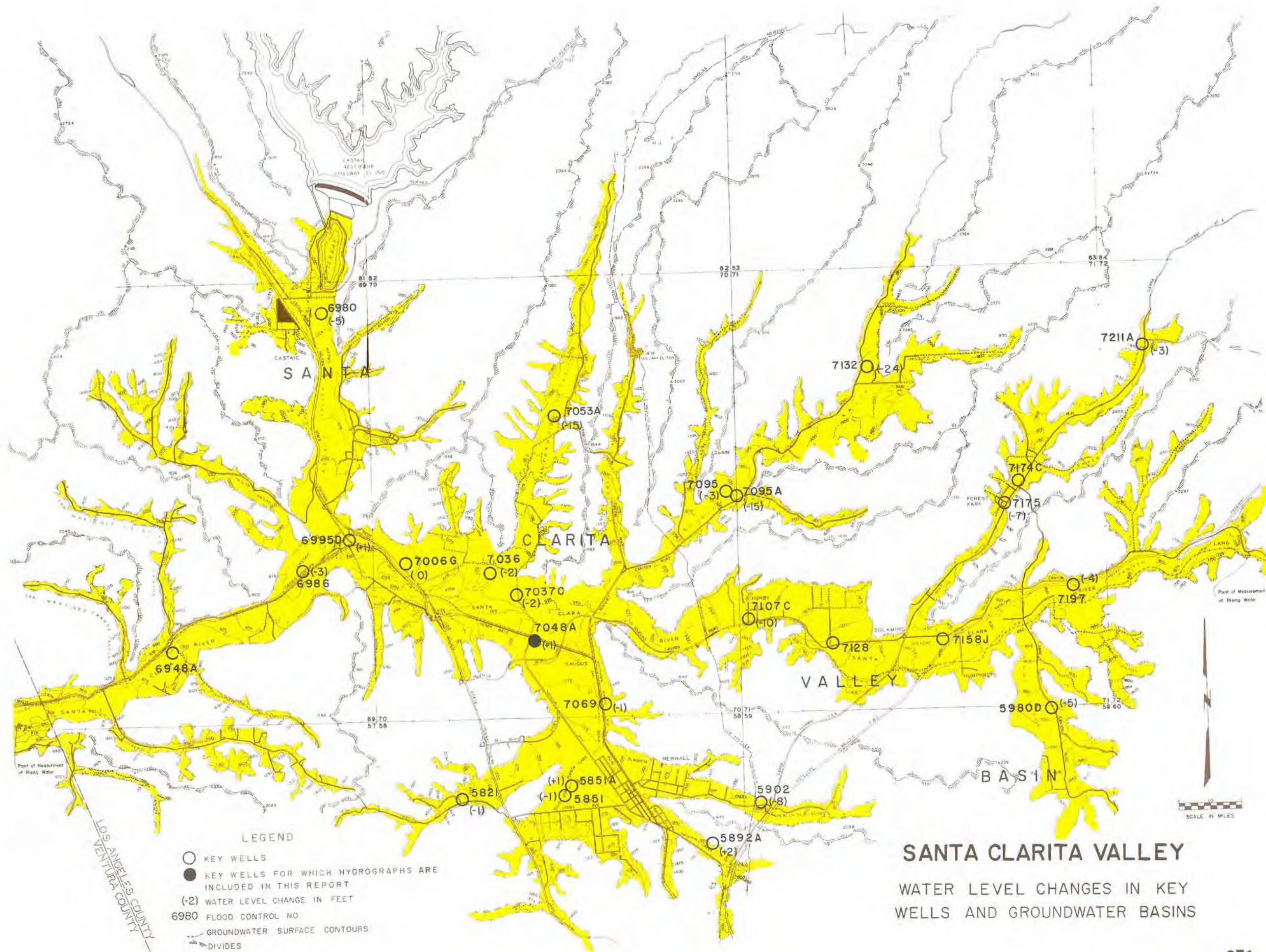


**WATER CONSERVATION FACILITIES
in the
Coastal Plain**

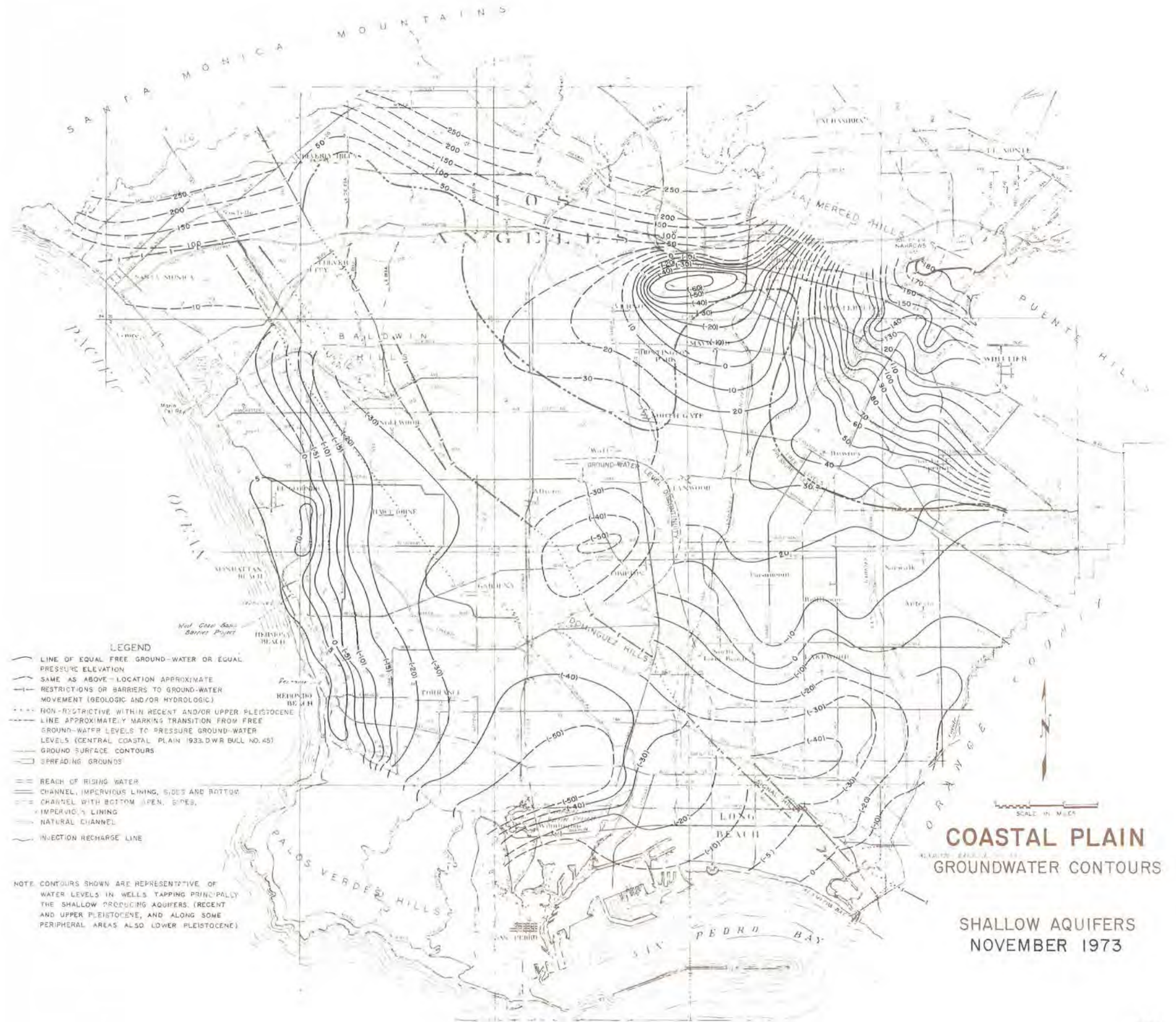


- LEGEND
- KEY WELLS
 - KEY WELLS WITH AUTOMATIC RECORDERS
 - KEY WELLS FOR WHICH HYDROGRAPHS ARE INCLUDED IN THIS REPORT.
 - KEY WELLS WITH AUTOMATIC RECORDERS FOR WHICH HYDROGRAPHS ARE INCLUDED IN THIS REPORT.
 - ⊙ SPECIAL WELLS WITH AUTOMATIC RECORDERS.
 - (-2) WATER LEVEL CHANGE IN FEET.
 - 800 FLOOD CONTROL WELL NO.
 - GROUNDWATER BARRIERS.
 - LINE APPROXIMATELY MARKING TRANSITION FROM FREE GROUNDWATER LEVELS TO PRESSURE LEVELS.
 - ==== CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
 - ==== CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING.
 - NATURAL CHANNEL.
 - INJECTION RECHARGE LINE.
 - SPREADING GROUNDS.
 - GROUND SURFACE CONTOURS.

COASTAL PLAIN
 WATER LEVEL CHANGES IN KEY WELLS AND GROUNDWATER BASINS



SANTA CLARITA VALLEY
 WATER LEVEL CHANGES IN KEY
 WELLS AND GROUNDWATER BASINS



- LEGEND**
- LINE OF EQUAL FREE GROUND-WATER OR EQUAL PRESSURE ELEVATION
 - - - SAME AS ABOVE - LOCATION APPROXIMATE
 - RESTRICTIONS OR BARRIERS TO GROUND-WATER MOVEMENT (GEOLOGIC AND/OR HYDROLOGIC)
 - NON-RESTRICTIVE WITHIN RECENT AND/OR UPPER PLEISTOCENE
 - - - LINE APPROXIMATELY MARKING TRANSITION FROM FREE GROUND-WATER LEVELS TO PRESSURE GROUND-WATER LEVELS (CENTRAL COASTAL PLAIN 1933 DWR 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 SHALLOW PRODUCING AQUIFERS (RECENT AND UPPER PLEISTOCENE, AND ALONG SOME PERIPHERAL AREAS ALSO LOWER PLEISTOCENE)

COASTAL PLAIN
GROUNDWATER CONTOURS

SHALLOW AQUIFERS
NOVEMBER 1973