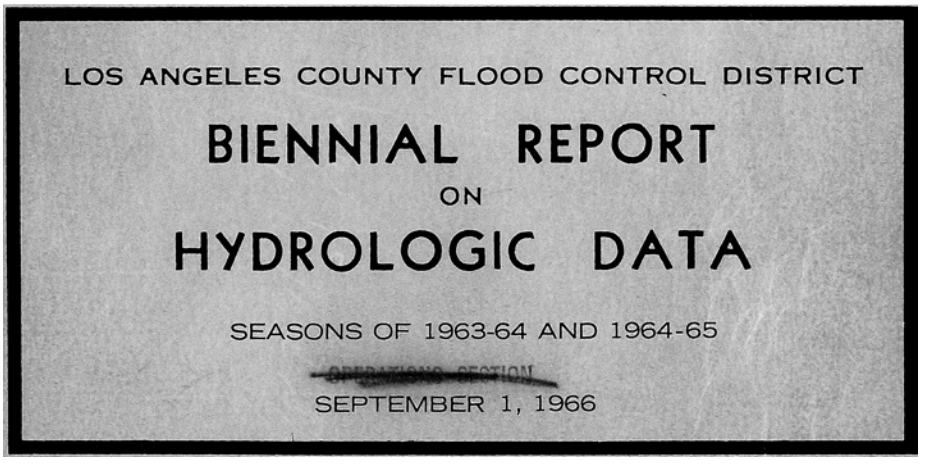

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
BIENNIAL REPORT
ON
HYDROLOGIC DATA
SEASONS OF 1963-64 AND 1964-65
OPERATIONS SECTION
SEPTEMBER 1, 1966

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

HYDRAULIC AND WATER CONSERVATION DIVISIONS

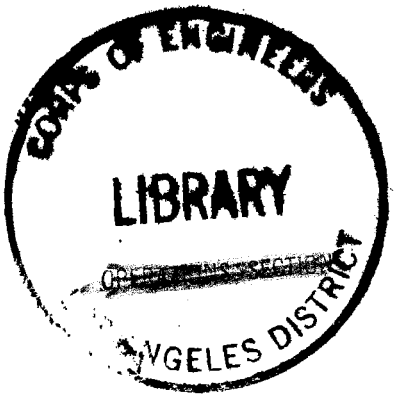
REPORT TO WALTER J. WOOD, CHIEF ENGINEER

BIENNIAL REPORT

ON

HYDROLOGIC DATA

SEASONS 1963-64 AND 1964-65



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SEPTEMBER 1, 1966

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

HYDRAULIC AND WATER CONSERVATION DIVISIONS

May 31, 1966

OPERATIONS SECTION

File No. 2-40.04
Biennial Report on Hydrologic Data
Seasons 1963-64 and 1964-65

Mr. Walter J. Wood, Chief Engineer
Los Angeles County Flood Control District
2250 Alcazar Street
Los Angeles, California 90033

Dear Mr. Wood:

Transmitted herewith is the "Biennial Report on Hydrologic Data" for the Seasons 1963-64 and 1964-65. This report includes data collected and compiled by the Hydraulic and Water Conservation Divisions of the District which are presented as follows:

1. Precipitation
2. Evaporation
3. Runoff
4. Dam Operation
5. Debris Basins
6. Groundwater and Water Conservation

Precipitation records include the daily records of 459 stations during the 1963-64 season and 491 during the 1964-65 season, of which 93 and 92 percent, respectively, furnished complete seasonal records.

Seasonal rainfall distribution throughout the County is shown by the following relationship to the 90-year normal indices for eight subareas of the County and for the total County area:

Area	Percent of Area	Percent of Normal Rainfall 1963-64	1964-65
Coastal Plain	14.5	48	90
San Fernando Valley	7.7	60	93
San Gabriel Valley	7.2	51	82
San Gabriel Mountains	13.6	57	76
Little and Big Rock Creeks	4.2	55	84
Santa Monica Mountains	5.8	57	94
Santa Clara River	18.7	54	78
Desert	28.3	62	78
County	100.0	56	82

Evaporation records were received each month from 30 and 31 stations, respectively, during the 1963-64 and 1964-65 seasons. Maximum evaporation occurred at Palmdale, in the Antelope Valley for both seasons. Evaporation totals for each season were 95.21 and 103.31 inches, respectively. Minimum seasonal evaporation of 48.61 inches occurred at Baldwin Park Experimental Station in 1963-64 and 37.90 inches at La Fresa - Southern California Edison Company near Torrance in 1964-65.

Runoff records presented include mean daily runoff compiled from the District's water stage recorders and streamflow measurements made at staff gages and various miscellaneous locations.

During 1963-64 and 1964-65, the District operated 101 recording streamflow stations located on main streams and tributary channels. Twenty-six of these stations are in the Los Angeles River drainage area, 30 are in the San Gabriel River drainage area, 22 are located in the Rio Hondo drainage area, and 23 are located in the remaining important drainage areas. Records obtained from these stations are supplemented by 13 stations operated by the United States Geological Survey in cooperation with the Los Angeles District, Corps of Engineers; one operated by Ventura County Water Resources Division, one operated by the District in cooperation with the San Bernardino County Flood Control District, two operated by the Metropolitan Water District, and one operated by the San Gabriel Spreading Corporation. These are also included in this publication. Cooperative assistance was given by the District in making measurements at these stations.

Streamflow measured at the District's gaging stations during the two seasons of this report indicates a continuation of the drouth conditions which have prevailed since 1944. The mountain streams, especially, were much below their long-term averages. In the valley areas, runoff appeared to be near average but only when compared to those years before urbanization and channel building had taken effect. Ocean waste, including industrial waste, was 58 percent of average in 1963-64 and 75 percent in 1964-1965.

Dam operation data included in this report show daily reservoir water surface elevation, storage, and amount of inflow and outflow for 15 reservoirs operated by the District. Fourteen dams control 410 square miles of mountain drainage with a total controlled storage of 87,396 acre-feet at spillway lip elevation. Hamilton Bowl Reservoir in Long Beach controls an additional 160 acre-feet.

A tabulation giving pertinent data for the season for 59 debris basins owned and operated by the District and one by the Corps of Engineers is included in this report.

Reclamation and enlargement of storage capacity in District reservoirs and debris basins during these seasons, obtained by excavation operations, amounted to 1,669,440 cubic yards in 1963-64 and 112,449 cubic yards in 1964-65.

A total of 487,540 acre-feet of local, imported and reclaimed water was conserved in spreading facilities, recharge facilities, reservoirs and unlined

channels during the 1963-65 biennial period. Local water for this period amounted to 139,830 acre-feet, imported water conserved was 319,900 acre-feet, and reclaimed water totaled 27,810 acre-feet.

The Whittier Narrows Water Reclamation Plant, which is operated by the County Sanitation Districts, has continued to satisfactorily demonstrate the feasibility of reclamation of water from sewage. The plant has easily met its rated capacity of 12 mgd with additional amounts being treated during the summer months. Also, conversion of detergent production by the detergent industry to a more readily degradable type has resulted in a dramatic reduction in detergent concentration.

The West Coast Basin Barrier project has expanded to include 56 recharge wells with an injection rate of about 58 cfs. Additional construction and redevelopment of older facilities is under progress for improved barrier protection in the area.

The operation of the Alamitos Barrier Project for protection of the Central Basin east of the City of Long Beach began in January of 1965. Fourteen recharge wells in the project have injected 2,955 acre-feet of water. Water was mostly purchased by the Central and West Basin Water Replenishment District with only a minor amount bought by the Orange County Water District.

Groundwater maps have been completed from well measurements throughout the County, and a brief discussion of the trend of groundwater levels is included in this report.

The subnormal rainfall in 1963-64 and the almost normal rainfall in 1964-65 resulted in levels of many basins reaching new historic lows. The Central basin, however, was marked by continued recovery of water levels ranging between 5 and 10 feet per year in the deeper wells. This rise resulted from the extension of restrictions on pumping and the spreading of imported and local water in the Montebello Forebay.

Respectfully submitted,

Maxwell F. Burke
Division Engineer, Hydraulic

Howard H. Haile
Division Engineer, Water Conservation

Recommended

Milan W. Ransom

Milan W. Ransom
Assistant Chief Deputy Engineer

TABLE OF CONTENTS

SECTION I: PRECIPITATION

PAGE

FOREWORD 1
COMPARATIVE RAINFALL 2
Comparison of Rainfall by Stations 3
MAXIMUM AND MINIMUM RAINFALL 4
DISTRIBUTION OF RAIN GAGES 4
SOURCES AND NUMBER OF RECORDS 4
Raingage Ownership and Type 4
Complete Seasonal Reports 5
SUMMARY OF SNOWFALL 6
USES OF PRECIPITATION DATA 7
MISCELLANEOUS WEATHER RECORDS 8
COOPERATION OF RAINFALL OBSERVERS 8
TABLES AND MAPS
Table I ACTIVE AUTOMATIC RAIN GAGES 9
Table II COMPARATIVE MAXIMUM RAINFALL DEPTHS IN INCHES 12
Table III SUMMARY OF MAXIMUM RAINFALL DEPTHS 13
Table IV DAILY RAINFALL FOR SELECTED STATIONS, SEASON 1963-64 ... 17
Table V DAILY RAINFALL FOR SELECTED STATIONS, SEASON 1964-65 ... 18
Table VI SEASONAL 1963-64 MONTHLY RAINFALL SUMMARY 19
Table VII SEASONAL 1964-65 MONTHLY RAINFALL SUMMARY 24
Table VIII RAIN GAGE STATION LOCATION, SEASON 1963-64 29
Table IX RAIN GAGE STATION LOCATION, SEASON 1964-65 34
Table X 93-YEAR SEASONAL RAINFALL INDICES 35
Map I LOCATION OF ACTIVE RAIN GAGES AND ISOHYETAL MAP SEASON OF 1963-64 37
Map II LOCATION OF ACTIVE RAIN GAGES AND ISOHYETAL MAP SEASON OF 1964-65 39

SECTION II: EVAPORATION

FOREWORD 41
SUMMARY OF SEASONAL EVAPORATION 41
LOCATION AND NUMBER OF STATIONS 41
LENGTH OF RECORD 42
EQUIPMENT 42
RESPONSIBILITY 42
Table XI EVAPORATION RECORDS IN INCHES, SEASON 1963-64 and 1964-65 43
Table XII SUMMARY, MONTHLY EVAPORATION 44

SECTION III: RUNOFF

PAGE

FOREWORD 61
SUMMARY 61
BURNED AREAS 62
EXTENT OF METHOD OF COLLECTING AND PRESENTING DATA 62
I Distribution of Stations 62
II Types of Controls 63
III Types of Recorders Used 63
IV Records of Recording Streamflow Stations 63
(1) Station Descriptions 63
(2) Mean Daily Discharge Tabulations 63
(3) Hydrographs 63
(4) Summary of Records 63
V Records Provided by Other Agencies 64
VI Nonrecording Stations 64
VII Limitations 64
RESPONSIBILITY 65
LEGEND 66
ACCURACY 67
Map III GAGING STATION LOCATIONS 69
Table XIII BURNED AREAS – SEASONS 1963-64 and 1964-65 71
Maps IV-A to IV-C FIRES OCCURRING IN 1963-64 and 1964-65 WATER YEARS 73

GAGING STATION RECORDS
Recorder Station Records (Arranged Alphabetically)

F.C. NO.	STATION	LOCATION	PAGE
F81-R	ALHAMBRA WASH	near Klingerman Street	79
M340-R	ALHAMBRA WASH - M.W.D. OUTLET	near Rush Street	80
F152-R	ALISO CREEK	below Nordhoff Street	81
F317-R	ARCADIA WASH	below Grand Avenue	82
U1-R	ARROYO SECO	above Mouth of Canyon	84
P277-R	ARROYO SECO	below Devil's Gate Dam	85
F38B-R	BALLONA CREEK	at Sawtelle Boulevard	87
F120B-R	BIG DALTON CREEK	below Big Dalton Dam	88
F202-R	BIG DALTON WASH	at Sierra Madre Avenue	90
F274B-R	DALTON WASH	at Merced Avenue	91
U14-R	BIG ROCK CREEK	above Mouth of Canyon	93
F111C-R	BIG TUJUNGA CREEK	below Mill Creek	94
F168-R	BIG TUJUNGA CREEK	below Big Tujunga Dam	95
F213-R	BIG TUJUNGA CREEK	above Gold Canyon	97
E20C-R	TUJUNGA WASH	above Glenoaks Boulevard	99
F105B-R	TUJUNGA WASH	below Moorpark Street	99
F329-R	BRADBURY CHANNEL	below Central Avenue	101
F342-R	BRANFORD CHANNEL	at Sharp Avenue	102
F2B-R	BROWNS CREEK	at Variel Avenue	104

GAGING STATION RECORDS (Continued)

F.C. NO.	STATION	LOCATION	PAGE
F108-R	CASTAIC CREEK	at Highway 126	105
F302-R	COMPTON CREEK	at 120th Street	107
F37B-R	COMPTON CREEK	near Greenleaf Drive	108
F354-R	COYOTE CREEK	at Spring Street	110
F265-R	DOMINGUEZ CHANNEL	at Carson Street	111
F210-R	DOMINGUEZ CHANNEL	at Main Street	112
F355-R	DOMINGUEZ CHANNEL	at Henry Ford Avenue	113
F53-R	DUME CREEK	at Pacific Coast Highway	113
U2-R	EATON CREEK	above Mouth of Canyon	114
F271-R	EATON WASH	below Eaton Wash Dam	116
F318-R	EATON WASH	at Loftus Drive	117
F296-R	EVEY CANYON CREEK	at Camp Baldy Road	119
U7-R	FISH CREEK	above Mouth of Canyon	120
F350-R	LIMEKILN CREEK	above Aliso Creek	122
F65B-R	LITTLE DALTON CREEK	above Mouth of Canyon	123
L1-R	LITTLE ROCK CREEK	above Little Rock Dam	125
F19-R	LITTLE TUJUNGA WASH	at Foothill Boulevard	126
F356-R	LIVE OAK CREEK	below Live Oak Dam	128
F311-R	LIVE OAK WASH	below 7th Street, La Verne	129
E5C-R	LOS ANGELES RIVER	below Sepulveda Dam	130
F299-R	LOS ANGELES RIVER	at Radford Avenue	132
F300-R	LOS ANGELES RIVER	at Tujunga Avenue	132
F266-R	LOS ANGELES RIVER	at Mariposa Street	134
F57C-R	LOS ANGELES RIVER	above Arroyo Seco	135
F34D-R	LOS ANGELES RIVER	below Firestone Boulevard	137
F319-R	LOS ANGELES RIVER	below Wardlow Road	138
F279C-R	LOS CERRITOS CHANNEL	at Stearns Street	140
F130-R	MALIBU CREEK	below Cold Creek	141
P346-R	MILLARD CREEK	above Arroyo Seco	143
F328-R	MINT CANYON CREEK	at Fitch Avenue	144
F330-R	MISSION CREEK	below Legg Lake	146
F83-R	MISSION CREEK	at San Gabriel Boulevard	147
E321-R	MISSION CREEK	below Whittier Narrows Dam	148
F181-R	MONTEBELLO STORM DRAIN	above Rio Hondo	149
F118B-R	PACOIMA CREEK FLUME	below Pacoima Dam	151
F305-R	PACOIMA DIVERSION	at Branford Street	152
F15-R	PACOIMA WASH	at Van Nuys Boulevard	154
F122-R	PALLETT CREEK	at Valyermo Highway	155
F40-R	PUDDINGSTONE CREEK	below Puddingstone Dam	156
F192B-R	RIO HONDO	at Lower Azusa Road	158
E326-R	RIO HONDO	below Garvey Avenue	159
F64-R	RIO HONDO	above Mission Bridge	161
F313-R	RIO HONDO BY-PASS CHANNEL	above Whittier Narrows Dam	162
F45B-R	RIO HONDO	above Stewart and Gray Road	163
F338-R	RUBIO DIVERSION CHANNEL	below Gooseberry Canyon Inlet	164
F82C-R	RUBIO WASH	at Glendon Way	166

GAGING STATION RECORDS (Continued)

F.C. NO.	STATION	LOCATION	PAGE
U15-R	SAN ANTONIO CREEK	below Edison Company Power Plant Diversion	167
F323-R	SAN ANTONIO CREEK	above Stoddard Canyon	170
F332-R	SAN ANTONIO WATER CO. DIV.	near Ontario No. 1 Power House	171
F303-R	SAN DIMAS CREEK	below San Dimas Dam	173
F218-R	SAN DIMAS WASH	below Puddingstone Div. Dam	174
F209-R	SAN GABRIEL RIVER-WEST FORK	below Cogswell Dam	176
P3-R	SAN GABRIEL RIVER-WEST FORK	above Forks	177
P4 B-R	SAN GABRIEL RIVER-EAST FORK	above Forks	179
F250-R	SAN GABRIEL-AZUSA CONDUIT	at Weir below San Gabriel Dam	180
U8-R	SAN GABRIEL RIVER	below Morris Dam	182
S100A-R	SAN GABRIEL, AZUSA-DUARTE TUNNEL DIVERSION	at Mouth of Canyon	183
F190-R	SAN GABRIEL RIVER	at Foothill Boulevard	184
E281-R	SAN GABRIEL RIVER	below Santa Fe Dam	186
M335-R	SAN GABRIEL - M.W.D. OUTLET	below San Bernardino Road	187
F261-C-R	SAN GABRIEL RIVER	below Valley Boulevard	187
F314-R	SAN GABRIEL BY-PASS CHANNEL	above Whittier Narrows Dam	189
E322-R	SAN GABRIEL RIVER	at Peck Road	189
F263B-R	SAN GABRIEL RIVER	at Beverly Boulevard	191
F262-R	SAN GABRIEL RIVER	at Florence Avenue	192
F42-R	SAN GABRIEL RIVER	at Spring Street	194
F312-R	SAN JOSE CHANNEL	above Workman Mill Road	195
F48-R	SAN JOSE CREEK	at Workman Mill Road	197
F357-R	SAN JOSE CREEK	at Mission Mill Road	198
U4-R	SANTA ANITA CREEK	above Santa Anita Dam	199
F119B-R	SANTA ANITA CREEK	below Santa Anita Dam	201
F260C-R	SANTA ANITA WASH	below Foothill Boulevard	202
F193B-R	SANTA ANITA WASH	at Longden Avenue	204
F93-R	SANTA CLARA RIVER	above Lang R.R. Station	205
F135-R	SANTA CLARA RIVER - SOUTH FORK	at Saugus - Ventura Road	207
F92-R	SANTA CLARA RIVER	at Old Highway Bridge	208
V309-R	SANTA CLARA RIVER	at Blue Cut	210
F280-R	SANTA FE CHANNEL	below Santa Fe Dam	211
F125-R	SANTIAGO CREEK	above Little Rock Creek	212
F278-R	SAWPIT CREEK	below Sawpit Dam	213
U5-R	SAWPIT CREEK	below Monrovia Canyon	215
F194B-R	SAWPIT WASH	below Arrow Highway	216
E301-R	SAWTELLE-WESTWOOD CHANNEL	at Culver Boulevard	218
F67B-R	SIERRA MADRE WASH	below Sierra Madre Dam	219
F267B-R	SIERRA MADRE WASH	at Highland Oaks Avenue	221
B324-R	STODDARD CREEK	above San Antonio Creek	222
F43-R	SYCAMORE CANYON CHANNEL	above Solway Street	224
F276-R	THOMPSON CREEK SPREADING GROUNDS INTAKE	at Thompson Creek Dam	225

GAGING STATION RECORDS (Continued)

F.C. NO.	STATION	LOCATION	PAGE
F32-R	THOMPSON CREEK	below Thompson Creek Dam	226
F54B-R	TOPANGA CREEK	above Mouth of Canyon	226
F252-R	VERDUGO CHANNEL	at Estelle Avenue	228
F304-R	WALNUT CREEK	at Puente Avenue	229

NON-RECORDING STATIONS

STAFF GAGE STATIONS (Arranged Alphabetically)

F.C. NO.	STATION	LOCATION	PAGE
F58-S	ARROYO SECO	at Avenue 26	231
F143-S	BIG ROCK CREEK	above Pallett Creek	232
F295-S	BIG ROCK CREEK	above Rising Water	233
F171-S	BIG ROCK CREEK	at Valyermo Highway	233
F142-S	BOUQUET CREEK	below Dry Canyon	234
F284-S	BOUQUET CREEK	1.5 miles above Texas Canyon	234
F339-S	BUENA VISTA CHANNEL	above Buena Vista Pit	235
F140-S	CASTAIC CREEK	at Elizabeth Lake Canyon Hwy.	235
F61-S	COLD CREEK	at Crater Camp	235
F348-S	COYOTE CREEK-NORTH FORK	at Imperial Highway	236
F178-S	DEVIL'S PUNCHBOWL CREEK	above Big Rock Creek	236
F351-S	DOMINGUEZ CHANNEL	at Redondo Beach Boulevard	237
F141B-S	ELIZABETH LAKE CREEK	2.4 miles above Castaic Creek	237
F39B-S	LOS ANGELES RIVER	at Del Amo Boulevard	237
F39C-S	LOS ANGELES RIVER	below Del Amo Boulevard	237
F112-S	MILL CREEK	above Big Tujunga Creek	238
F196-S	PACOIMA WASH	near Maclay Avenue	238
F191-S	SAN DIMAS CREEK	at Toe of San Dimas Dam	238
F289-S	SANDROCK CREEK	at Valyermo Highway	238
F208-S	SAN GABRIEL RIVER	above MWD Aqueduct-Upper Feeder	239
F100-S	SAN GABRIEL – MAIN SPREADING CANAL	at Mouth of Canyon	240
F306-S	SAN JOSE CREEK	at Nogales Avenue	241
F357-S	SAN JOSE CREEK	at Mission Mill Road	242
F272-S	SANTA MONICA CREEK	above Rustic Canyon	242
F147-S	SANTA CLARA RIVER	at Bouquet Canyon Road	242
F291-S	VALYERMO RANCH SPRINGS CREEK	at Valyermo Highway	243

RISING WATER AT WHITTIER NARROWS

F86-S SAN GABRIEL RIVER (Factor "G") below Standefer Ditch 244

GRAPH OF MEAN MONTHLY FLUCTUATIONS 246

MISCELLANEOUS MEASUREMENTS

AREA	LOCATION	PAGE
ANTELOPE VALLEY AREA	at Miscellaneous Points	247
SANTA CLARA RIVER DRAINAGE AREA	at Miscellaneous Points	248
SANTA MONICA COASTAL AREA	at Miscellaneous Points	248
LOS ANGELES RIVER DRAINAGE AREA	at Miscellaneous Points	250
RIO HONDO DRAINAGE AREA	at Miscellaneous Points	255
SAN GABRIEL RIVER DRAINAGE AREA	at Miscellaneous Points	257
SAN ANTONIO CREEK DRAINAGE AREA	at Miscellaneous Points	261

PERCOLATION DATA

PERCOLATION REACHES

CASTAIC CREEK 265
BIG TUJUNGA CREEK 265
SAN DIMAS CREEK AND WASH 265
RIO HONDO 265
SAN GABRIEL RIVER 266

Table XIV SUMMARY OF SEASONAL DISCHARGE 270
Table XV RUNOFF WASTE TO OCEAN 290

SECTION IV, DAM OPERATION

DAMS AND RESERVOIRS

FOREWORD 291
FLOOD CONTROL AND CONSERVATION DAMS 291
PURPOSE 292
OPERATION 292
RECORDS 292
RESPONSIBILITY 293

DAM OPERATION RECORDS

PACOIMA 294
BIG TUJUNGA 297
DEVIL'S GATE 300
EATON WASH 303
SANTA ANITA 306
SAWPIT 309
COGSWELL 312
SAN GABRIEL 315
BIG DALTON 318
SAN DIMAS 321

DAM OPERATION RECORDS (Continued)

PAGE

PUDDINGSTONE DIVERSION 324
PUDDINGSTONE 327
LIVE OAK 330
THOMPSON CREEK 333
HAMILTON BOWL 336

Table XVI YEARLY RESERVOIR OPERATION SUMMARY 339

SECTION V DEBRIS BASINS

FOREWORD 347
PURPOSE 347
NEW FACILITIES 347
RESPONSIBILITY 347
Table XVII DEBRIS BASINS, SUMMARY OF DATA 348

SECTION VI GROUND WATER AND CONSERVATION

FOREWORD 349
SPREADING GROUNDS 349
NEW FACILITIES 349
IMPROVED FACILITIES 350
IMPORTED WATER 350
RECLAIMED WATER 350
WATER QUALITY 351
BARRIER PROJECTS 351
EXPLORATION AND OBSERVATION WELLS 353
SEASONAL DATA AND MAPS 353
GROUND WATER BASINS 353
SAN FERNANDO VALLEY 354
SAN GABRIEL VALLEY 354
COASTAL PLAIN 354
SANTA CLARA RIVER VALLEY 355
ANTELOPE VALLEY 355
RESPONSIBILITY 355
RESERVOIR AND CHANNEL ABSORPTION
Table XVIII 356
SUMMARY OF DATA ON SPREADING GROUNDS
Table XIX DISTRICT OWNED AND OPERATED 357
Table XX SUMMARY OF WATER SPREAD BY DISTRICT 359
Table XXI SUMMARY OF IMPORTED AND RECLAIMED WATER CONSERVED 361
Table XXII NOT OWNED BY DISTRICT 362
TABLE XXIII SUMMARY OF WATER SPREAD BY OTHERS 363
LOCATION OF GROUND BASINS, KEY WELLS, AND SPREADING GROUNDS
Map V 365

GRAPHS FOR KEY WELLS PAGE

SAN FERNANDO BASIN 367
RAYMOND BASIN 369
MAIN SAN GABRIEL BASIN 371
SAN GABRIEL CANYON BASIN 374
UPPER CLAREMONT HEIGHTS 376
POMONA BASIN 377
COASTAL PLAIN INTAKE AREA 378
COASTAL PLAIN FORMER ARTESIAN AREA 379
COASTAL PLAIN 382
SANTS CLARA VALLEY BASIN 383
ANTELOPE VALLEY BASIN 384

GROUNDWATER MAPS OF SAN FERNANDO VALLEY
Maps VI, VII, VIII and IX 387

GROUNDWATER MAPS OF SAN GABRIEL VALLEY
Maps X, XI, XII, and XIII 395

GROUNDWATER MAPS OF COASTAL PLAIN
Maps XIV, XV, XVI, XVII, XVIII, XIX, XX, and XXI 403

GROUNDWATER MAPS OF SANTA CLARA VALLEY
Maps XXII AND XXIII 419

GROUNDWATER MAPS OF ANTELOPE VALLEY
Maps XXIV and XXV 423

PRECIPITATION RECORDS

PRECIPITATION

FOREWORD

This report contains basic precipitation and other weather records in the District's files for the seasons 1963-64 and 1964-65. It represents the 36th and 37th of similar seasonal reports in summarized form.

The District's "season" includes the period October 1 through September 30, which conforms to the water year used by the United States Geological Survey. Daylight Saving Time was observed for the periods April 26, 1964, through October 31, 1964, and from April 25, 1965 to September 30, 1965, during which the clock was advanced one hour. Pacific Standard Time was used for the balance of the period.

Season 1963-64

Seasonal precipitation in Los Angeles County was considerably below normal in the 1963-64 season, with an average of 8.71 inches, which was 56 percent of the 90-year seasonal normal for various representative stations.

With the exception of but three seasons, 1951-52, 1957-58, and 1961-62, this season sustains a 20-year drought period starting with the 1944-45 season.

The season was characterized by both early and late season rains with the mid-season yielding an exceptionally dry February.

Precipitation of 0.01 inch or more fell on 34 days at Opid's (Camp Hi Hill) and on 21 days at Los Angeles-Ducommun Street.

Isohyets for the 1963-64 season indicating rainfall distribution in the County are shown on Map I, page 37.

Snow depth measurements obtained at 12 snow courses on April 2, 3, and 6, 1964, ranged from zero to 38.1 inches. Snow depths are shown in Summary of Snowfall on page 6.

Temperature extremes were few during the season, with only December 28, 1963, equalling its previous high of 84° F. at Burbank Airport. Los Angeles International Airport recorded 60.6° F. which is the lowest average temperature for the month of May since establishment of the station in 1936.

High winds were experienced in November, January, and March. A peak gust of 47 miles per hour was recorded at Los Angeles, which set a new record for the month of March since records began in 1877.

Season 1964-65

Average rainfall in the County for the season was 12.83 inches, or 82 percent of the 90-year normal. There was very little rain subsequent to March 1964 until the November

9, 10 storm arrived, which caused flooding and mud slides on fire-denuded hillsides. The months of January and February reflected one of the driest mid-season periods for the area, with the seasonal precipitation through March at an extremely low value. April, July, and September were unusually wet months. There was thunderstorm activity from the San Fernando Valley to the Puente Hills area on September 18. Downtown Los Angeles recorded 1.30 inches in one hour on the same date, which approached the 1.51 inches which was observed February 18, 1914.

Extremely warm and cold periods were observed during the season. There were record warm temperatures for October, May and August, also record cold temperatures for November, February, June, July and September. Los Angeles recorded 38 percent of possible sunshine for June which is the least percentage for any June month since record-keeping began on October 1, 1896.

Precipitation of 0.01 inch or more fell on 47 days in the mountains at Opid's Camp (Camp Hi Hill) and on 40 days at Los Angeles-Ducommun Street.

Isohyets for the 1964-65 season indicating rainfall distribution for the County are shown on Map II, page 39.

On April 5, 6, 7, 1965, eleven snow courses were measured. Average depth on these courses ranged from 16.6 to 45.9 inches. Due to avalanche conditions, no measurement was made on the Icehouse No. 4 course.

COMPARATIVE RAINFALL

The following tables show a comparison of monthly rainfall amounts in inches depth and percent of the 90-year normal monthly rainfall for Opid's Camp station in the mountains and the Los Angeles-Ducommun Street station in the valley:

Station Name	Month	Normal Monthly Rainfall	Rainfall 1963-64	Percent of Normal Monthly Rainfall 1963-64	Rainfall 1964-65	Percent of Normal Monthly Rainfall 1964-65
Opid's Camp	Oct.	1.54	.88	57	.95	62
(Camp Hi Hill)	Nov.	3.25	4.88	150	5.01	154
	Dec.	7.01	.06	1	5.34	76
	Jan.	8.61	5.39	63	1.44	17
	Feb.	9.31	.25	3	1.45	16
	Mar.	6.13	5.08	83	2.18	36
	Apr.	2.76	4.47	162	13.60	493
	May	0.79	1.32	167	T	0
	June	0.10	.29	290	.07	70
	July	0.06	T	0	.50	833
	Aug.	0.09	0	0	.38	422
	Sept.	0.52	0	0	1.56	300
Season Totals		40.17	22.62		32.48	

Station Name	Month	Normal Monthly Rainfall	Rainfall 1963-64	Percent of Normal Monthly Rainfall 1963-64	Rainfall 1964-65	Percent of Normal Monthly Rainfall 1964-65
Los Angeles - Ducommun Street	Oct.	.54	.60	111	.33	61
	Nov.	1.21	2.40	198	1.80	149
	Dec.	2.65	0	0	2.05	77
	Jan.	3.31	1.66	50	.84	25
	Feb.	3.31	T	0	.23	69
	Mar.	2.49	1.75	70	2.38	96
	Apr.	1.03	.37	36	6.15	597
	May	.33	T	0	0	0
	June	0.06	.34	567	.01	17
	July	0.01	T	0	T	0
	Aug.	.03	T	0	.01	33
	Sept.	.18	T	0	1.77	983
Season Totals		15.15	7.12		15.57	

The following table shows a comparison of seasonal rainfall in inches depth at 11 stations with records extending back 25 years or more, located in the coastal, valley, foothill, mountain, and desert areas of Los Angeles County.

Sta. No.	Station Name	Elev. of Gage	90-Year Normal Rainfall	Years of Record	Total Rainfall 1963-64	Percent of Normal Rainfall 1963-64	Total Rainfall 1964-65	Percent of Normal Rainfall 1964-65
224B	Long Beach	180	12.63	71	6.15	49	9.82	78
716	Los Angeles - Ducommun St.	300	15.15	93	7.12	47	15.57	103
5B	Calabasas	924	16.67	42	9.91	59	16.34	98
32C	Newhall	1,243	17.69	89	8.68	49	14.46	82
610B	Pasadena	864	19.99	93	10.51	53	16.30	82
587B	San Antonio Cn.	2,390	27.24	61	16.54	61	21.75	80
53D	Colby's	3,620	29.75	68	15.11	51	20.32	68
57B-E	Opid's Camp	4,250	40.17	48	22.62	56	32.48	81
60A	Hoegee's	2,600	40.02	40	22.10	55	33.52	84
338A	Mt. Wilson	5,675	36.08	61	16.94	47	34.34	95
455B	Lancaster	2,395	6.91	42	3.60	52	4.98	72

MAXIMUM AND MINIMUM RAINFALL

The following tabulation presents maximum and minimum rainfall amounts in inches depth in Los Angeles County for the period of this report, based on 5:00 p.m. readings from standard rain gages:

Sta. No.	Station Name	Minimum Seasonal 1963-64	Minimum Seasonal 1964-65	Maximum Seasonal 1963-64	Maximum Seasonal 1964-65	Maximum Day 1963-64	Maximum Day 1964-65
X15B	Hi Vista	2.89	4.06				
1001B	San Gabriel–West Fork Guard Station			22.80		4.14	4.15
338A	Mt. Wilson–Observatory				34.34		

At Los Angeles, the maximum seasonal rainfall of record was 38.18 inches in 1883-84; minimum seasonal rainfall was 5.51 inches in 1898-99.

Table II, page 12, shows a comparison of maximum precipitation intensity for 10 representative stations in the District during the 1963-64 and 1964-65 seasons and maximum intensity of record.

Table III, pages 13 to 16, shows maximum intensities of record for all active District-owned recording rain gage stations in the District's files.

DISTRIBUTION OF RAIN GAGES

About three fourths of the District-owned recording precipitation gages were located in the mountain and foothill areas with the balance distributed in valley, coastal plain, and desert areas.

NUMBER OF RAIN GAGES

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

	1963-64	1964-65	1963-64	1964-65
I. Los Angeles County Flood Control District				
A. Non-Recording Gages				
Standard 8-Inch Diameter	280	280		
Special 8.81-Inch Diameter	23	22		
Storage Type	28	27		
B. Recording Gages				
Weighing Type	88	87		
Float Type	1	1		
Tipping Bucket	2	2		
Totals			420	419

	1963-64	1964-65	1963-64	1964-65
II. Outside Agencies and Individuals				
A. Non-Recording Gages				
Standard 8-inch Diameter	125	117		
Various Diameters	7	4		
B. Recording Gages				
Various Types	68	71		
Totals			200	192
Total Number of Rain Gages			620	611

Table I, page 9, presents a complete list of recording rain gages which were active during the 1963-64 and 1964-65 seasons, with length of active record.

NUMBER OF STATIONS

	1963-64	1964-65
Total Active Stations from which the District Receives Rainfall Records	499	491
Total Active Stations from which Complete Seasonal Records were Received	464 1/	452 1/

1/ Complete seasonal station records or those which could be completed by estimates from adjacent stations of not more than 10 percent of the total seasonal amount. Stations having more than one rain gage account for the tabular difference in gages and stations as shown here and above.

The number of stations in the District's files with records of 15 years or more follows:

	15-49 Years 2/		50 Years and Over 2/	
	1963-64	1964-65	1963-64	1964-65
Continuous Records – Active	256	239	30	32
Broken Records – Active and Inactive	221	236	16	16
Totals	477	475	46	48

2/ In some cases, the station was moved in the immediate vicinity, or in case of inactivity another station nearby was substituted to give a continuous long-time record.

Station locations are shown on Maps I and II, pages 37 and 39, Tables VIII and IX, pages 29 and 34 present a complete list of station locations shown on the above maps.

TABLE PRESENTATIONS

Table IV, page 17, presents daily rainfall amounts for selected stations during the 1963-64 season.

Table V, page 18, presents daily rainfall amounts for selected stations during the 1964-65 season.

Table VI, pages 19 to 23, presents monthly and seasonal rainfall amounts for stations from which the District received records during the 1963-64 season.

Table VII, pages 24 to 28, presents monthly and seasonal rainfall amounts for stations from which the District received records during the 1964-65 season.

Table X, page 35, presents indices for 93 seasons in the County and eight subareas of the County.

SUMMARY OF SNOWFALL

The accumulated snowfall depth in inches at three mountain stations follows:

Sta. No.	Station Name	Approx. Elev.	1963-64	1964-65	Maximum of Record	Season	Length of Record in Seasons
82F	Table Mountain	7420	121	135	201	1951-52	39
83	Big Pines	6860	97	104	231	1943-44	40
283C	Crystal Lake	5370	59	110	173	1943-44	34

The following tabulation of snow survey measurements made at 12 snow courses about April 1 shows inches depth, water content, and the density of the snow. Density is the ratio of the average water content in inches depth to the average snow in inches depth expressed as a percentage.

Snow Course	Approx. Elev.	Average Snow Depth 1964	Average Snow Depth 1965	Average Water Content 1964	Average Water Content 1965	Density 1964	Density 1965
San Antonio Drainage							
Ice House No. 4	5800	0	3/	0		0	
Manker Flat	6500	4.1	20.6	1.9	5.8	46.3	28.2
Lower Thunder Mt.	7500	12.2	28.3	5.2	5.8	42.6	20.5
Upper Thunder Mt-	8500	31.3	47.3	12.7	11.5	40.6	24.3

3/ Not measured

Snow Course	Approx. Elev.	Average Snow Depth 1964	Average Snow Depth 1965	Average Water Content 1964	Average Water Content 1965	Density 1964	Density 1965
Big Rock Drainage							
Blue Ridge	7200	6.9	20.0	2.5	5.5	36.2	27.5
Islip No. 2	7400	16.3	41.6	6.6	11.1	40.5	26.7
Islip No. 3	7600	29.2	45.4	10.4	11.4	35.6	25.1
Islip No. 4	7570	38.1	45.9	14.7	12.9	38.6	28.1
Little Rock Drainage							
Sqw Camp	5800	Patches	16.6		4.9		29.5
Cedar Springs	6500	14.4	36.6	5.9	9.7	41.0	26.5
Buckhorn	7100	14.8	37.3	5.3	12.0	35.8	32.2
San Gabriel Drainage							
Deer Flats	6800	10.6	31.3	4.9	8.5	46.2	27.2

USES OF PRECIPITATION DATA

The following are some of the major uses of precipitation data which are in the District's files:

1. In operation of District dams, debris dams, debris basins, spreading grounds, and pumping plants.
2. In water conservation studies.
3. In calculations relating to flood flows for design purposes.
4. In determining rainfall frequency, intensity duration, and mass rainfall curves.
5. In snow pack as related to water content and runoff studies.
6. In determining rainfall yield to reservoirs.
7. In court cases.
8. In determining average precipitation within the County.
9. In preparing seasonal, storm, and long-time average tables and isohyctal maps.
10. By public and private agencies for flood control, irrigation, and water supply or related investigations.

The District furnishes precipitation and other weather data to many agencies and individuals on request. Weather data are also furnished to the District by these agencies and individuals and form a large share of the records received and compiled for the period of this report.

MISCELLANEOUS WEATHER RECORDS

The District has in its files records from the following instruments:

59 Thermometers, Maximum-Minimum
4 Thermographs
6 Hygro-Thermographs
2 Barographs
1 Anemometer, Single Register, Recording
1 Anemometer, Double Register, Recording

COOPERATION OF RAINFALL STATION OPERATORS

The cooperation of observers in furnishing data for the compilation of a report such as this is essential. That they have continued in this effort is evidenced by the large number of complete records for the seasons covered in this report. We wish to express our appreciation to the many agencies and individuals who have so freely cooperated with us in the collection of these data.

TABLE I

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

ACTIVE AUTOMATIC RAIN GAGES

SEASON 1963–64

STA. NO.	NAME OF STATION	ELEV. OF GAGE	TYPE AND CAPACITY		WATERSHED	PERIOD OF RECORD	
2B	ESCONDIDO CANYON	1050	WEIGHING	12"	LATIGO CANYON	2/2/57	TO DATE
6	TOPANGA CANYON PATROL STATION	745	"	12"	TOPANGA CANYON	8/1/30	TO DATE
10	BEL AIR HOTEL	540	"	9"	BALLONA CREEK	1/4/29	TO DATE 1/
11C	UPPER FRANKLIN CANYON RESERVOIR	867	"	9"	FRANKLIN CANYON	9/29/37	TO DATE
15B	VAN NUYS	695	"	9"	LOS ANGELES RIVER	8/18/30	TO DATE
33A–E	PACOIMA DAM	1500	"	9"	PACOIMA CANYON	9/22/30	TO DATE
46D–E	BIG TUJUNGA DAM	2315	"	12"	BIG TUJUNGA CANYON	12/9/40	TO DATE
47D	CLEAR CREEK CITY SCHOOL	3150	"	12"	BIG TUJUNGA CANYON	11/2/28	TO DATE
52C	WATERMAN GUARD STATION	3300	"	12"	ARROYO SECO	1/18/26	TO 2/28/28
						10/27/37	TO DATE
53D	COLBY'S	3620	"	12"	BIG TUJUNGA CANYON	4/19/26	TO 12/16/40
						2/14/41	TO DATE
54C	LOOMIS RANCH – ALDER CREEK	4325	"	9"	BIG TUJUNGA CANYON	11/24/31	TO DATE
57B–E	OPID'S (CAMP HI–HILL)	4250	"	12"	SAN GABRIEL – WEST FORK	12/14/25	TO DATE 1/
63C–E	SANTA ANITA DAM	1400	"	12"	SANTA ANITA CANYON	2/24/50	TO DATE
69B	SAWPIT DAM	1378	"	12"	SAWPIT CANYON	11/20/52	TO 7/20/53
						12/17/53	TO DATE
70D	ROGER'S CANYON	770	"	9"	SAN GABRIEL RIVER	12/4/26	TO DATE
83B	BIG PINES RECREATION PARK	6860	"	12"	MESCAL CREEK	12/17/25	TO DATE 1/
85G	MT. BALDY GUARD STATION	4275	"	12"	SAN ANTONIO CANYON	11/11/27	TO DATE 1/
89B–E	SAN DIMAS DAM	1350	"	12"	SAN DIMAS CANYON	2/27/50	TO 10/25/57
						12/4/59	TO DATE
92	CLAREMONT – POMONA COLLEGE	1185	"	9"	SAN ANTONIO WASH	12/2/27	TO DATE
95B–E	PUDDINGSTONE DAM	1030	"	12"	PUDDINGSTONE CREEK	10/14/52	TO DATE
108D	EL MONTE FIRE STATION	275	"	9"	RIO HONDO	10/11/38	TO DATE
116D	INGLEWOOD FIRE STATION	135	"	9"	CENTINEL	2/26/48	TO DATE
128B	ELIZABETH LAKE CANYON – WARM SPRINGS	2075	"	12"	ELIZABETH LAKE CANYON	2/21/56	TO DATE
156	LA MIRADA – STANDARD OIL CO.	86	"	12"	COYOTE CREEK	4/19/46	TO DATE
178C	AZUSA VALLEY WATER CO.	620	"	12"	SAN GABRIEL RIVER	1/1/31	TO 11/4/54
						12/12/61	TO DATE
179G	BAILEY DEBRIS DAM	1180	"	9"	RIO HONDO	6/24/41	TO DATE
190B	RANCHO SOMBRERO	1490	"	12"	LOS ANGELES RIVER	10/4/62	TO DATE
191B	LOS ANGELES – ALCAZAR	400	FLOAT	3"	LOS ANGELES RIVER	6/27/52	TO DATE
201B	PUENTE HILLS – ALTA MIRA RANCH	840	WEIGHING	9"	SAN JOSE CREEK	9/15/38	TO 11/2/38
						12/19/40	TO DATE
210B	BRAND PARK	1250	"	12"	LOS ANGELES RIVER	12/27/28	TO DATE
213F	LOS ANGELES – HANCOCK PARK	175	"	9"	BALLONA CREEK	1/13/29	TO DATE
223B–E	BIG DALTON DAM	1575	"	12"	BIG DALTON CANYON	11/28/47	TO 9/8/50
						10/14/52	TO DATE
235C	HENNIGER FLATS	2550	"	12"	EATON CANYON	1/2/30	TO DATE
250D	ACTON CAMP	2625	"	12"	SOLEDAD CANYON	1/4/57	TO DATE
259C	CHATSWORTH PATROL STATION	1254	"	9"	LOS ANGELES RIVER	8/17/37	TO DATE
261B–E	ACTON – ESCONDIDO CANYON	2910	"	9"	SANTA CLARA RIVER	11/23/30	TO DATE 1/
264B	SAND CANYON – PLACERITA CANYON	1850	"	9"	SAND CANYON	10/4/62	TO DATE
280B	FLINTRIDGE FIRE STATION	1345	"	9"	ARROYO SECO	7/26/30	TO DATE
283C	CRYSTAL LAKE	5370	"	12"	SAN GABRIEL – NORTH FORK	11/26/35	TO DATE
291	LOS ANGELES – 96TH AND CENTRAL	121	"	9"	LOS ANGELES RIVER	10/6/30	TO DATE
303F	PASADENA – CAL TECH	800	"	9"	ALHAMBRA WASH	12/13/30	TO DATE
304	SAWPIT CANYON – DEER PARK	2690	"	12"	SAWPIT CANYON	11/30/61	TO DATE
334B–E	COGSWELL DAM	2300	"	12"	SAN GABRIEL – WEST FORK	1/14/32	TO DATE
338B	MOUNT WILSON – AIRWAYS	5709	"	12"	SANTA ANITA CANYON	3/4/32	TO DATE 1/
352B	LECHUZA PATROL STATION	1620	"	9"	LECHUZA CANYON	11/28/34	TO DATE 1/
356C	SPADRA – PACIFIC COLONY	690	"	9"	SAN JOSE CREEK	3/30/38	TO DATE 1/
367	HAINES CANYON – UPPER	3440	"	30"	HAINES CANYON	1/13/33	TO DATE
372	SAN FRANCISQUITO POWER HOUSE NO. 2	1580	"	9"	SANTA CLARA RIVER	5/25/44	TO DATE
373B	BRIGGS TERRACE	2225	"	12"	PICKENS CANYON	11/28/33	TO DATE
379B	SAN GABRIEL – EAST FORK	1600	"	12"	SAN GABRIEL – EAST FORK	12/8/37	TO 8/1938
						2/14/46	TO DATE
402F	CEDAR SPRING	6780	"	12"	SAN GABRIEL RIVER	10/25/57	TO DATE
415	SIGNAL HILL CITY HALL	140	"	9"	SOUTH COASTAL PLAIN	3/15/37	TO DATE 1/
425B–E	SAN GABRIEL DAM	1481	"	12"	SAN GABRIEL RIVER	11/3/37	TO DATE 1/
433C	FAIR OAKS DEBRIS BASIN	1585	"	9"	ARROYO SECO	9/14/38	TO DATE
434	MALIBU DIVISION HEADQUARTERS	800	"	9"	MEDIA CREEK	10/27/43	TO DATE
435	MONTE NIDO	600	"	9"	MALIBU CREEK	11/19/43	TO DATE
444D	ROLLING HILLS – SOUTH COAST BOTANIC GARDENS	400	"	12"	DOMINGUEZ CHANNEL	7/13/48	TO DATE
446	ALISO CANYON – OAT MT.	2367	"	12"	ALISO CANYON	7/20/40	TO DATE 1/
451B	CASTAIC PATROL STATION	1066	"	12"	SANTA CLARA RIVER	1/3/57	TO DATE
466B	PACOIMA CANYON – DUTCH LOUIE CANYON	3220	"	12"	PACOIMA CANYON	1/16/41	TO DATE
470	TUJUNGA – MILL CREEK	4600	"	12"	BIG TUJUNGA CANYON	10/18/41	TO 10/28/49
						7/9/51	TO DATE 1/
477D	SANTA ANITA – SPRING CAMP	4655	"	12"	SANTA ANITA CANYON	11/25/41	TO DATE
486B	COLDWATER CANYON – WIDMAN RANCH	3960	"	12"	SAN GABRIEL – EAST FORK	9/22/43	TO DATE
492	CHILAO – STATE HIGHWAY MAINTENANCE STATION	5275	"	12"	SAN GABRIEL – WEST FORK	10/10/44	TO DATE
517B	ANDERSEN RANCH (LEWIS RANCH)	4615	"	9"	PALLETT CREEK	12/17/43	TO DATE
807	ASCOT RESERVOIR	620	"	9"	LOS ANGELES RIVER	10/26/61	TO DATE
1006	SAN PEDRO CITY RESERVOIR	150	"	9"	SOUTH COASTAL PLAIN	3/7/46	TO DATE
1008–E	LA FRESA – S.C.E. CO. SUBSTATION	65	"	12"	LAGUNA DOMINGUEZ	8/29/46	TO DATE
1010B	PALMER CANYON – FORKS	2120	"	12"	THOMPSON CREEK	12/19/46	TO DATE
1013B	TUJUNGA CANYON ABOVE GOLD CANYON	1650	"	12"	BIG TUJUNGA CANYON	9/29/47	TO DATE
1014D–E	RIO HONDO SPREADING GROUNDS	155	"	9"	RIO HONDO	9/29/47	TO DATE
1017B	LITTLE ROCK CREEK ABOVE DAM	3280	"	12"	LITTLE ROCK CANYON	8/6/48	TO 4/7/59
						11/9/59	TO DATE
1035	WHITTIER – WOOD	280	"	9"	SAN GABRIEL RIVER	10/27/52	TO DATE
1037–E	ARCADIA – ARBORETUM	565	"	12"	RIO HONDO	3/3/55	TO DATE
1060B	LITTLE ROCK – SYCAMORE CAMP	4000	"	12"	LITTLE ROCK CREEK	7/21/53	TO DATE
1062	BUCKHORN FLAT	6760	"	12"	LITTLE ROCK CREEK	2/16/54	TO DATE
1074	LITTLE GLEASON	5600	"	12"	SANTA CLARA RIVER	9/29/54	TO DATE
1078	COVINA – GRIFFITH	975	"	9"	WALNUT CREEK	1/26/55	TO DATE
1080B	BRADBURY DEBRIS BASIN	935	"	12"	SAN GABRIEL RIVER	5/25/55	TO DATE
1088B	LA HABRA HEIGHTS MUTUAL WATER CO.	445	"	12"	COYOTE CREEK	3/8/55	TO DATE
1107D	LA TUNA CANYON	1160	"	12"	LOS ANGELES RIVER	11/14/55	TO DATE
1108	ANAVERDE VALLEY – PLATT	2930	"	12"	AMARGOSA CREEK	6/1/56	TO DATE
1144	SAN GABRIEL – NORTH FORK	2200	"	12"	SAN GABRIEL RIVER	10/4/60	TO DATE
1146	SANTA ANITA CANYON HELIPORT	2575	TIPPING BUCKET	UNLIMITED	SANTA ANITA CANYON	1/31/61	TO DATE
1159	SHORTCUT CANYON – WEST FORK	4425	WEIGHING	12"	SAN GABRIEL RIVER	2/15/65	TO DATE
1160	SAN GABRIEL CANYON, WEST FORK, HELIPORT	3200	WEIGHING	12"	SAN GABRIEL RIVER – WEST FORK	7/24/63	TO DATE
X28B	HOLIDAY HILL	8130	"	12"	SAN GABRIEL RIVER	11/15/57	TO DATE
X29	PINE MOUNTAIN	4100	TIPPING BUCKET	UNLIMITED	SAN GABRIEL RIVER	12/26/58	TO DATE
X35	VERDUGO MOUNTAINS – HILLCREST CANYON	1200	WEIGHING	12"	LOS ANGELES RIVER	3/25/64	TO DATE
X36	VERDUGO MOUNTAINS – HENDERSON CANYON	2650	"	12"	VERDUGO WASH	3/25/64	TO DATE

TABLE I (Continued)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

ACTIVE AUTOMATIC RAIN GAGES

SEASON 1964-65

STA. NO.	NAME OF STATION	ELEV. OF GAGE	TYPE AND CAPACITY		WATERSHED	PERIOD OF RECORD	
2B	ESCONDIDO CANYON	1050	WEIGHING	12"	LATIGO CANYON	2/2/57	9/16/65
444F-E	SOUTH COAST BOTANIC GARDENS	400	"	12"	DOMINGUEZ CHANNEL	7/13/48	TO DATE
458	ZUMA CANYON PATROL STATION	115	"	12"	ZUMA CANYON	9/16/65	TO DATE
1108B	LEONA VALLEY	2875	"	12"	ARMAGOSA CREEK	11/16/55	TO DATE

LEGEND

1/ HOURLY RAINFALL AMOUNTS PUBLISHED BY THE UNITED STATES WEATHER BUREAU SINCE OCTOBER 1, 1951.

SUFFIX A, B, AND C, DENOTES FIRST, SECOND, OR THIRD LOCATION IN SAME LOCALITY UNDER NEARLY SAME CONDITIONS.

SUFFIX -E DENOTES EVAPORATION PAN AT STATION.

THE DISTRICT ALSO HAS RECORDS OF SEVERAL AUTOMATIC GAGES AT STATIONS WHICH ARE NOW INACTIVE. THESE RECORDS ARE AVAILABLE IN THE DISTRICT'S FILES.

SEASON 1964-65 TABULATION IS IDENTICAL WITH 1963-64 TABULATION WITH THE EXCEPTION OF STATION NUMBERS: 2B, 444F-E, 458 AND 1108B.

TABLE I (Continued)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

PRIVATE ACTIVE AUTOMATIC RAIN GAGES

SEASON 1963 – 1964

STA. NO.	NAME OF STATION	ELEV. OF GAGE	TYPE AND CAPACITY		WATERSHED	PERIOD OF RECORD	
23-3	CHATSWORTH RESERVOIR	865	WEIGHING	12"	LOS ANGELES RIVER	10/23/45 TO DATE	1/ 2/
60A	HOEGEE'S	2600	"	30"	BIG SANTA ANITA CANYON	11/11/26 TO DATE	
87B	SAN DIMAS GUARD STATION	1485	"	12"	SAN DIMAS CANYON	12/11/25 TO 11/23/26	
						11/19/42 TO DATE	1/
124B-E	BOUQUET CANYON RESERVOIR	3050	FLOAT	9"	SANTA CLARA RIVER	11/11/31 TO DATE	1/
139B	LOS ANGELES WATER DEPARTMENT	450	WEIGHING	5 1/2"	LOS ANGELES RIVER	12/22/38 TO DATE	1/
140C	SAWTELLE	250	"	12"	BALLONA CREEK	10/5/51 TO DATE	1/
157B	EL SEGUNDO – STANDARD OIL COMPANY	150	"	12"	WEST COASTAL PLAIN	6/16/48 TO DATE	
158	TANBARK FLATS	2750	"	12"	SAN DIMAS CREEK	1/16/29 TO DATE	1/ 2/
228B	BEVERLY HILLS – CITY HALL	290	"	9"	BALLONA CREEK	10/14/31 TO DATE	
269C	DIAMOND BAR – HORSE CAMP	870	"	12"	BREA CANYON	12/3/41 TO DATE	1/ 2/
292D-E	ENCINO RESERVOIR	1075	"	12"	LOS ANGELES RIVER	12/18/62 TO DATE	
311b	PASADENA METEOROLOGICAL STATION	918	TIPPING BUCKET	UNLIMITED	ARROYO SECO	10/1/38 TO DATE	1/
336-E	SILVER LAKE RESERVOIR	455	WEIGHING	12"	BALLONA CREEK	3/16/62 TO DATE	1/
355B	LOS ANGELES CITY COLLEGE	330	TIPPING BUCKET	UNLIMITED	BALLONA CREEK	10/1/62 TO DATE	1/
357	VAN NORMAN LAKE – UPPER	1248	WEIGHING	12"	WELDON CANYON	12/4/45 TO DATE	1/ 2/
407-E	MT. HALL – U.S.F.S. HEADQUARTERS	1325	"	12"	SANTA CLARA RIVER	12/1949 TO DATE	1/ 2/
436C	HANSEN DAM	1110	"	30"	TUJUNGA WASH	10/30/40 TO DATE	1/ 2/
445B	LIVE OAK DAM	1510	"	12"	LIVE OAK CANYON	3/20/40 TO 8/22/60	
						11/3/60 TO DATE	
449B	EATON WASH DAM	880	"	12"	EATON WASH	10/31/50 TO 12/2/57	
						10/5/59 TO 12/22/59	
						10/12/60 TO DATE	
453C	DEVIL'S GATE DAM	1090	"	12"	ARROYO SECO	11/20/52 TO 9/15/53	
						1/27/54 TO DATE	
465C	SEPULVEDA DAM	683	"	12"	LOS ANGELES RIVER	10/23/45 TO DATE	1/ 2/
471	LITTLE TUJUNGA – GOLD CREEK	2750	FLOAT	UNLIMITED	LITTLE TUJUNGA CANYON	10/30/41 TO DATE	1/ 2/
565B	LONG BEACH – CITY AUTOMATIC	11	WEIGHING	12"	SOUTH COASTAL PLAIN	11/8/24 TO DATE	
566	LONG BEACH NO. 1	15	"	12"	SOUTH COASTAL PLAIN	11/13/55 TO DATE	
577F	LOS ANGELES – U.S.W.B. (FEDERAL BLDG.)	548	TIPPING BUCKET	11 1/2"	LOS ANGELES RIVER	3/1/40 TO DATE	1/ 2/
619	SAN ANTONIO CANYON – SIERRA POWER HOUSE	3110	WEIGHING	12"	SAN ANTONIO CANYON	7/24/56 TO DATE	1/
662B	LONG BEACH – KELVER AVENUE	80	"	12"	SOUTH COASTAL PLAIN	10/1/59 TO 7/1/63	
662C	LONG BEACH – CERRITOS AVENUE	95	"	12"	SOUTH COASTAL PLAIN	7/1/63 TO DATE	
666C	LONG BEACH – NEECE STREET	55	"	12"	SOUTH COASTAL PLAIN	9/1953 TO DATE	
683	SUNSET RIDGE GUARD STATION	2110	"	12"	ARROYO SECO	10/16/45 TO 3/31/47	
						10/20/55 TO DATE	1/
716	LOS ANGELES – OCCIDENTAL STREET	306	"	12"	LOS ANGELES RIVER	10/1/59 TO DATE	
724B	BIG DALTON – MONROE CANYON	1825	"	12"	BIG DALTON CANYON	3/15/39 TO DATE	1/
725B	BIRMINGHAM HOSPITAL	728		12"	LOS ANGELES RIVER	8/1944 TO DATE	1/ 2/
726B	ANGELES CREST – GUARD STATION	2300	"	12"	ARROYO SECO	10/16/45 TO DATE	
734B	LOS ANGELES INTERNATIONAL AIRPORT	126	TIPPING BUCKET	11 1/2"	LAGUNA DOMINGUEZ	10/18/48 TO DATE	1/ 2/
740B	SAN DIMAS CANYON – FERN NO. 2	5200	WEIGHING	12"	SAN DIMAS CREEK	10/12/36 TO DATE	1/
741	SAN DIMAS CANYON – UPPER EAST FORK	2765	"	12"	SAN DIMAS CREEK	10/4/34 TO DATE	1/
747	SANDBERG AIRWAYS STATION	4517	"	12"	SANTA CLARA RIVER	4/2/32 TO DATE	1/ 2/
749	BURBANK – U.S.W.B. (AIRPORT)	699	"	12"	LOS ANGELES RIVER	9/20/31 TO DATE	1/ 2/
755	GRIFFITH PARK – LITTLE CANYON	900	"	12"	LOS ANGELES RIVER	9/4/47 TO DATE	1/
757	GRIFFITH PARK – FERN DELL	750	"	12"	BALLONA CREEK	9/4/47 TO DATE	1/
759B	NICHOLS DEBRIS BASIN	478	"	12"	NICHOLS CANYON	9/11/47 TO DATE	1/
760	STUDIO CITY – GOODLAND AVENUE	680	"	12"	LOS ANGELES RIVER	10/3/47 TO DATE	1/
762	UPPER STONE CANYON	943	"	12"	BALLONA CREEK	9/4/47 TO DATE	1/
766	MANDEVILLE CANYON – FIRE ROAD NO. 24	1625	"	12"	MANDEVILLE CANYON	9/5/47 TO DATE	1/
767	MANDEVILLE CANYON ROAD	1225	"	12"	MANDEVILLE CANYON	11/1/63 TO DATE	
770B	SANTA YNEZ CANYON – PASEO MIRAMAR	600	"	12"	SANTA YNEZ CANYON	9/11/47 TO 9/30/61	
						3/16/62 TO DATE	1/
771	RUSTIC CANYON – SANTA MONICA MOUNTAINS	265	"	12"	RUSTIC CANYON	9/10/47 TO DATE	1/
772	L. A. – ECHO PARK AND LUCRETIA	475	"	12"	BALLONA CREEK	9/15/47 TO DATE	1/
774	BARLOW SANITARIUM	450	"	12"	LOS ANGELES RIVER	12/19/47 TO DATE	1/
779	GRIFFITH PARK – LOWER MINERAL WELLS	625	"	12"	LOS ANGELES RIVER	11/1947 TO DATE	1/
783	COON CANYON	1350	"	12"	ARROYO SECO	10/1948 TO DATE	1/
796	ELYSIAN PARK FIRE DEPARTMENT	757	"	12"	LOS ANGELES RIVER	9/20/48 TO DATE	1/
801	MAGIC MOUNTAIN	4450	FLOAT	UNLIMITED	PACOIMA CANYON	3/19/47 TO DATE	1/
1041B	SANTA FE DAM	427	WEIGHING	12"	SAN GABRIEL RIVER AND RIO HONDO	10/24/45 TO DATE	1/ 2/
1058B	PALMDALE	2595	"	12"	ANTELOPE VALLEY	3/27/53 TO DATE	2/
1066B	LONG BEACH – LEES STREET	10	"	12"	SOUTH COASTAL PLAIN	11/13/55 TO DATE	
1075	UPPER WOLFSKILL CANYON	3625	"	12"	SAN DIMAS CANYON	12/14/37 TO 5/28/46	
						1/7/54 TO DATE	1/
1093-E	FULLERTON AIRPORT	94	FLOAT	5"	COYOTE CREEK	1/1935 TO DATE	1/
1095	ORANGE COUNTY RESERVOIR	600	WEIGHING	12"	BREA CANYON	10/17/41 TO DATE	1/ 2/
1106	ANTELOPE VALLEY FIELD STATION	2450	"	9"	ANTELOPE VALLEY	1/24/56 TO DATE	
1113	DOMINGUEZ WATER CO.	30	"	12"	SOUTH COASTAL PLAIN	11/1/55 TO DATE	1/
1114B	WHITTIER NARROWS DAM	239	"	12"	RIO HONDO	6/7/57 TO DATE	1/
1115	SAN ANTONIO DAM	2120	"	12"	SAN ANTONIO CANYON	8/1/56 TO DATE	1/
1116	LONG BEACH – SAN ANSELINE	15	"	12"	SAN GABRIEL RIVER	3/1/63 TO DATE	
1118B	LAKEWOOD	55	"	12"	SAN GABRIEL RIVER	9/15/56 TO DATE	1/
1138	MT. DISAPPOINTMENT	5950	"	12"	ARROYO SECO	11/20/59 TO DATE	
1157	SAN FERNANDO VALLEY STATE COLLEGE	857	"	12"	LOS ANGELES RIVER	2/6/62 TO DATE	
1165	GARAPITO CREEK	1850	"	12"	GARAPITO CREEK	10/11/63 TO DATE	

PRIVATE ACTIVE AUTOMATIC RAIN GAGES

SEASON 1964 – 65

STA. NO.	NAME OF STATION	ELEV. OF GAGE	TYPE AND CAPACITY		WATERSHED	PERIOD OF RECORD	
139B	LOS ANGELES WATER DEPARTMENT	450	WEIGHING	5 1/2"	LOS ANGELES RIVER	12/22/38 TO 6/30/65	
577F	LOS ANGELES – U.S.W.B. (FEDERAL BUILDING)	548	TIPPING BUCKET	11 1/2"	LOS ANGELES RIVER	3/1/40 TO 6/30/64	
1170	WATER WORKS DISTRICT #6 – THOUSAND OAKS	900	WEIGHING	12"	CALLEGUAS – CONEJO	10/3/66 TO DATE	
1171	CAMULOS RANCH – PIRU	720	"	12"	SANTA CLARA RIVER	10/19/56 TO DATE	
1172	PIRU CANYON – PIRU	1150	"	12"	SANTA CLARA RIVER	11/5/56 TO DATE	
1173	TAPO CANYON	1525	"	12"	CALLEGUAS – CONEJO	11/1/64 TO DATE	

LEGEND

1/ DISTRICT HAS NO FILE OR INCOMPLETE FILE OF AUTOMATIC GAGE CHART RECORDS.
2/ HOURLY AMOUNTS PUBLISHED BY THE UNITED STATES WEATHER BUREAU SINCE OCTOBER 1, 1951.
SUFFIX A, B, C, DENOTES FIRST, SECOND, OR THIRD LOCATION OF STATION IN THE SAME LOCALITY UNDER NEARLY THE SAME CONDITIONS.
SUFFIX -E DENOTES EVAPORATION PAN AT STATION.
SEASON 1964-65 TABULATION IS IDENTICAL WITH 1963-64 TABULATION WITH THE EXCEPTION OF STATION NUMBERS: 139B, 577F, 1170, 1171, 1172, AND 1173.

TABLE II

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

COMPARATIVE MAXIMUM RAINFALL DEPTHS IN INCHES

SEASONS 1963 – 64, 1964 – 65 AND MAXIMUM OF RECORD FOR SELECTED STATIONS

		#716 LOS ANGELES DUCOMMUN STREET		#15 B VAN NUYS		#108C EL MONTE FIRE STA.		#425B SAN GABRIEL DAM		#261 B ACTON ESCONDIDO CN.		#6 TOPANGA CANYON		#92 POMONA COLLEGE - CLAREMONT		#57 B OPID'S (CAMP HI HILL)		#60A HOEGEE'S		#303 F CAL TECH PASADENA	
		1963-1964	MAXIMUM	1963-1964	MAXIMUM	1963-1964	MAXIMUM	1963-1964	MAXIMUM	1963-1964	MAXIMUM	1963-1964	MAXIMUM	1963-1964	MAXIMUM	1963-1964	MAXIMUM	1963-1964	MAXIMUM	1963-1964	MAXIMUM
5 MIN.	AMT.	.15	.44	.09	.33	.10	.54	.11	.60	.07	.29	.14	.50	.18	.40	.18	1.17	.30	.43	.12	.32
	DATE	1/21	1/14/08	11/19	12/15/38	11/19	5/11/57	3/31	4/5/26	11/20	8/26/35	1/20	1/22/43	1/22	12/6/46	3/22	4/5/26	4/1	4/29/35	1/21	3/3/43
10 MIN.	AMT.	.20	.66	.15	.43	.13	.68	.20	.62	.12	.41	.20	.70	.31	.46	.25	1.18	.35	.52	.18	.47
	DATE	1/21	2/18/14	11/19	1/8/40	11/19	5/11/57	1/21	4/5/26	11/20	8/26/35	1/20	2/20/41	1/22	12/6/46	3/22	4/5/26	4/1	2/3/58	1/21	2/23/57
15 MIN.	AMT.	.22	.81	.19	.50	.17	.77	.25	.68	.15	.44	.24	.91	.37	.50	.32	1.18	.48	.65	.24	.62
	DATE	1/21	2/18/14	11/19	12/15/38	11/19	5/11/57	1/21	4/5/26	11/20	8/26/35	1/20	2/20/41	1/22	9/29/46	3/22	4/5/26	4/1	12/21/45	1/21	2/23/57
30 MIN.	AMT.	.32	1.12	.30	.88	.22	.89	.43	.96	.19	.66	.35	1.25*	.49	.72	.55	1.52	.63	1.06	.43	1.08
	DATE	11/19	2/18/14	11/19	12/28/41	11/19	5/11/57	1/21	4/5/26	11/20	10/1/32	1/20	1/22/43	1/22	9/29/46	3/22	4/5/26	4/1	3/3/43	1/21	3/3/43
1 HR.	AMT.	.50	1.51	.48	1.26	.37	1.08	.71	1.25	.23	.93*	.60	2.17*	.80	1.00	.85	2.21	.83	1.70	.70	1.70
	DATE	11/19	2/18/14	11/19	12/28/41	11/19	2/19/58	1/21	1/22/43	11/20	8/24/35	1/20	1/22/43	1/22	1/6/59	3/22	4/5/26	4/1	3/3/43	1/21	3/3/43
2 HRS.	AMT.	.77	1.99	.63	1.52	.58	1.54	1.25	2.34	.33	1.48*	1.10	2.85*	1.03	1.63	1.30	3.83	1.38	2.88	1.12	2.36
	DATE	11/19	2/18/14	11/19	1/6/59	11/19	1/26/56	1/21	1/22/43	1/22	8/24/35	1/20	1/22/43	1/22	12/31/33	3.31	4/5/26	1/21	3/2/38	1.21	3/3/43
3 HRS.	AMT.	.94	2.28	.95	2.13	.80	2.21	1.65	3.28	.46	1.48*	1.50	3.68	1.21	2.27	1.62	4.95	1.90	4.00	1.44	3.02
	DATE	11/19	2/18/14	11/19	1/22/43	11/19	1/26/56	1/21	1/22/43	1/21	8/24/35	1/20	12/31/33	1/22	12/31/33	1/21	3/2/38	1/21	3/2/38	1.21	12/31/33
4 HRS.	AMT.	1.05	2.71	1.08	2.67*	1.05	2.72	2.03	4.32	.54	1.57	1.67	4.34	1.32	2.96	2.05	6.16	2.36	5.30	1.64	3.80
	DATE	11/19	1/26/56	11/19	1/22/43	11/19	1/26/56	1/21	1/22/43	1/21	1/22/43	1/20	12/31/33	1/22	1/22/43	1/21	3/2/38	1/21	3/2/38	1/21	12/31/33
5 HRS.	AMT.	1.14	3.06	1.22	3.13*	1.22	3.15	2.25	5.30	.58	1.82	1.72	5.24	1.38	3.25	2.25	7.24	2.77	6.48	1.74	4.55
	DATE	11/19	3/2/38	11/19	1/22/43	11/19	1/26/56	1/21	1/22/43	1/21	1/22/43	1/20	12/31/33	1/22	1/22/43	1/21	3/2/38	1/21	1/22/43	1/20	12/31/33
12 HRS.	AMT.	1.34	5.02*	1.70	5.29	1.74	5.41	2.41	10.35	.64	3.14	2.27	9.79	1.61	5.26	2.86	13.38	3.02	13.36	1.80	7.98
	DATE	11/19	1/26/56	11/19	12/31/33	11/19	1/26/56	1/21	1/22/43	11/19	1/22/43	11/19	12/31/33	3/22	1/26/56	3/31	3/2/38	1/20	1/22/43	1/20	12/31/33
24 HRS.	AMT.	1.34	7.36	1.70	8.13*	1.78	7.23	2.88	17.81	.97	4.44	2.30	13.63	1.80	7.92	3.70	21.68	3.99*	26.12	1.88	11.26*
	DATE	11/19	12/31/33	11/19	1/21/43	11/19	1/26/56	1/21	1/22/43	11/19	1/22/43	11/19	12/31/33	3/22	12/31/33	3/31	1/22/43	3/31	1/22/43	1/20	12/31/33
STORM TOTAL																					
AUTO.	AMT.	1.50	9.35	1.82	INC.	1.78	9.18	4.10	24.07	1.14	6.45	2.90	18.56	2.40	10.70	5.23	32.15	4.87*	37.42	2.81	13.64
	DATE	1/20 - 1/22	2/7/62 - 2/12/62	1/20 - 1/22	1/21/43 - 1/23/43	11/19 - 11/20	1/25/56 - 1/27/56	1/21 - 1/22	1/21/43 - 1/23/43	3/22 - 3/24	1/21/43 - 1/23/43	1/20 - 1/22	2/7/62 - 2/12/62	1/21 - 1/22	1/21/43 - 1/24/43	1/20 - 1/22	1/21/43 - 1/23/43	1/20 - 1/22	1/21/43 - 1/23/43	1/20 - 1/22	1/21/43 - 1/23/43
STD.	AMT.	1.57	9.67	1.82	11.31	1.91	12.99*	4.24	25.08	1.13	6.69	3.45	20.13	2.41	11.03	5.23	33.95	4.98	37.34	2.82	13.86
	DATE	1/20 - 1/22	3/2/84 - 3/10/841	1/20 - 1/22	1/21/43 - 1/23/43	11/19 - 11/20	2/30/33 - 1/2/34	1/21 - 1/22	12/17/21 - 12/22/21	3/22 - 3/24	12/18/21 - 12/27/21	1/20 - 1/22	2/7/62 - 2/12/62	1/21 - 1/22	2/10/27 - 2/18/27	1/20 - 1/22	12/18/21 - 12/23/21	1/20 - 1/22	1/21/43 - 1/23/43	1/20 - 1/22	1/21/43 - 1/23/43
		1964-1965		1964-1965		1964-1965		1964-1965		1964-1965		1964-1965		1964-1965		1964-1965		1964-1965		1964-1965	
5 MIN.	AMT.	.26		.15*		.26		.18		.04		.12		.12		.20		.20		.28	
	DATE	9/18		4/8		3/7		4/1		4/8		4/1		11/9		11/9		4/1		9/18	
10 MIN.	AMT.	.51		.26*		.47		.35		.06		.20		.24		.35		.25		.39	
	DATE	9/18		4/8		3/7		4/1		4/8		4/1		11/9		11/9		11/9		9/18	
15 MIN.	AMT.	.72		.40*		.56		.40		.09		.28		.32		.40		.35		.46	
	DATE	9/18		4/8		3/7		4/1		4/8		4/1		11/9		11/9		11/9		9/18	
30 MIN.	AMT.	1.03		.55*		.87		.50		.14		.40		.43		.60		.59		.52	
	DATE	9/18		4/8		3/7		4/1		4/8		4/1		11/9		11/9		11/9		9/18	
1 HR.	AMT.	1.30		.75*		.95		.74		.25		.58		.68		.84		.78		.62	
	DATE	9/18		4/8		3/7		4/1		4/8		4/1		4/9		11/9		11/9		4/9	
2 HRS.	AMT.	1.41		.90*		1.00		.95		.42		.80		1.24		1.20		.97		.91	
	DATE	9/18		4/8		3/7		4/1		4/8		4/9		4/9		11/9		11/9		4/9	
3 HRS.	AMT.	1.45		1.07*		1.00		1.39		.57		1.10		1.55		1.32		1.87		1.18	
	DATE	9/18		4/8		4/9		4/1		4/8		4/9		4/9		11/9		11/9		4/9	
4 HRS.	AMT.	1.45		1.19*		1.12		1.54		.63		1.31		1.77		1.80		2.17		1.37	
	DATE	9/18		4/8		4/9		4/1		4/9		4/9		4/9		11/9		11/9		4/9	
5 HRS.	AMT.	1.45		1.34*		1.17		1.68		.69		1.57		1.86		2.14		2.33		1.64	
	DATE	9/18		4/8		4/9		4/1		4/9		4/9		4/9		11/9		11/9		4/9	
12 HRS.	AMT.	1.68		1.82*		1.41		2.30		.73		1.90		2.04		3.05		3.43		1.75	
	DATE	4/8		4/8		4/9		4/1		4/9		3/31		4/9		4/1		4/1		4/9	
24 HRS.	AMT.	2.02		2.20*		1.73		3.12		.83		2.83		2.35		4.25		4.55		2.03	
	DATE	4/7		4/7		3/31		4/1		4/7		3/31		4/9		3/31		4/1		4/7	
STORM TOTAL																					
AUTO.	AMT.	3.54		3.77		3.27		5.75		1.72		5.86		3.85		7.51		8.03		3.91	
	DATE	4/7 - 4/9		3/31 - 4/5		3/31 - 4/5		3/31 - 4/4		4/6 - 4/10		3/31 - 4/5		3/31 - 4/5		3/31 - 4/5		3/31 - 4/5		4/7 - 4/10	
STD.	AMT.	3.54		3.79		3.41		6.05		1.73		6.24		3.86		8.07		8.03		3.93	
	DATE	4/7 - 4/9		3/31 - 4/5		3/31 - 4/5		3/31 - 4/4		3/31 - 4/4		3/31 - 4/5		3/31 - 4/5		3/31 - 4/5		3/31 - 4/5		4/7 - 4/10	

LEGEND

* – INDICATES ESTIMATED VALUE
INC. – INCOMPLETE RECORD
DATE – INDICATES BEGINNING OF PERIOD

NOTE: RAINFALL DEPTHS IN INCHES ARE TAKEN FROM AUTOMATIC RAIN GAGES EXCEPT WHERE INDICATED AS STANDARD AMOUNT.
REFER TO TABLE I, PAGE 9, FOR PERIOD OF AUTOMATIC RAIN GAGE RECORD.

TABLE III

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

ACTIVE AUTOMATIC RAIN GAGE STATIONS

SUMMARY OF MAXIMUM RAINFALL DEPTHS IN INCHES

		STA. #2B ESCONDIDO CN.	STA. #6 TOPANGA CN.	STA. #10 BEL AIR HOTEL	STA. #11C UPPER FRANKLIN CN. RESERVOIR	STA. #15 B VAN NUYS	STA. #33A'-E PACOIMA DAM	STA. #46D-E BIG TUJUNGA DAM	STA. #47D CLEAR CREEK
5 MIN.	AMT.	0.31	0.50	0.43	0.40	0.33	0.36	0.37	0.59
	DATE	1/6/59	1/22/43	1/15/52	1/6/59	2/15/38	9/18/65	1/22/43	1/8/40
10 MIN.	AMT.	0.36	0.70	0.63	0.53*	0.43	0.57	0.50	0.75
	DATE	1/6/59	2/20/41	1/15/52	1/15/52	1/8/40	1/7/40	2/11/59	1/8/40
15 MIN.	AMT.	0.48	0.91	0.78	0.69*	0.50	0.74	0.68	0.85
	DATE	12/15/57	2/20/41	1/15/52	1/15/52	12/17/40	1/7/40	1/22/43	1/8/40
30 MIN.	AMT.	0.76	1.25*	1.13	1.04*	0.86	1.11	0.98	1.13
	DATE	1/6/59	1/22/43	1/15/52	1/15/52	12/28/41	1/22/43	1/22/43	3/2/38
1 HR.	AMT.	1.04	2.17*	1.50	1.53	1.26	1.51	1.55	1.87
	DATE	12/15/57	1/22/43	2/3/31	1/22/43	12/28/41	1/22/43	1/22/43	3/2/38
2 HRS.	AMT.	1.62	2.85*	2.01*	2.20	1.52	2.40	2.52	2.85
	DATE	12/15/57	1/22/43	2/13/54	1/22/43	1/6/59	1/22/43	1/22/43	3/2/38
3 HRS.	AMT.	1.75	3.68	2.73*	2.58	2.13	3.06	3.35	4.34
	DATE	2/25/58	12/31/33	2/13/54	1/22/43	1/22/43	1/21/33	1/22/43	3/2/38
4 HRS.	AMT.	2.15	4.34	3.34*	3.00	2.67*	3.50	4.42	5.76
	DATE	2/25/58	12/31/33	2/13/54	1/22/43	1/22/43	1/21/43	1/22/43	3/2/38
5 HRS.	AMT.	2.22	5.24	3.80*	3.28	3.13*	4.00	5.35	7.00
	DATE	2/25/58	12/31/33	2/13/54	1/22/43	1/22/43	1/21/43	1/22/43	3/2/38
12 HRS.	AMT.	3.28	9.79	6.24	5.83	5.29	5.45	10.53	11.77
	DATE	2/8/62	12/31/33	12/31/33	1/21/43	12/31/33	1/21/43	1/22/43	3/2/38
24 HRS.	AMT.	4.33	13.63	9.96*	10.00	8.13*	9.90	17.72	17.87*
	DATE	2/7/62	12/31/33	12/31/33	1/22/43	1/21/43	1/21/43	1/22/43	1/22/43
STORM TOTAL AUTO. GAGE	AMT.	11.32	18.56	12.62	14.06	INC.	12.88	24.38	INC.
	PERIOD	2/7-12/62	2/7-12/62	2/7-12/62	1/21-23/43	1/21-23/43	1/21-24/43	1/21-23/43	1/21-23/43
STD. GAGE	AMT.	12.41	20.13	12.90	14.33	11.31	13.09	24.59	24.80
	PERIOD	2/7-12/62	2/7-12/62	2/7-12/62	2/7-12/62	1/21-23/43	1/21-24/43	1/21-23/43	1/21-23/43

		STA. #52C WATERMAN GUARD STATION	STA. #53D COLBY'S	STA. #54C LOOMIS RANCH	STA. #57B-E OPID'S	STA. #60A HOEGEE'S	STA. #63C-E BIG SANTA ANITA DAM	STA. #68B SAWPIT DAM	STA. #70D ROGERS CANYON
5 MIN.	AMT.	0.69	0.50	0.38	1.17	0.43	0.25	0.35	0.59
	DATE	3/9/52	1/23/43	9/13/59	4/5/26	4/29/35	11/5/60	4/1/58	1/6/59
10 MIN.	AMT.	0.71	0.64	0.77*	1.18	0.52	0.40	0.50	0.66
	DATE	3/9/52	1/23/43	9/24/43	4/5/26	2/3/58	11/5/60	4/1/58	1/6/59
15 MIN.	AMT.	0.72	0.72	1.15*	1.18	0.65	0.58	0.72	0.76
	DATE	3/9/52	1/23/43	9/24/43	4/5/26	12/21/45	11/5/60	4/1/58	1/6/59
30 MIN.	AMT.	0.78	1.08	2.31*	1.52	1.06	0.80	1.03	0.96
	DATE	11/6/61	1/23/43	9/24/43	4/5/26	3/3/43	11/5/60	4/1/58	1/6/59
1 HR.	AMT.	1.28	1.80	2.70	2.21	1.70	1.13	1.23	1.30
	DATE	2/2/45	1/23/43	9/24/43	4/5/26	12/21/45	2/19/58	4/1/58	12/31/33
2 HRS.	AMT.	1.74	2.98	2.70	3.83	2.88	2.02	1.69	2.36
	DATE	12/21/45	1/22/43	9/24/43	4/5/26	3/2/38	1/15/52	12/1/52	12/31/33
3 HRS.	AMT.	2.62	4.24	2.78	4.95	4.00	2.83	2.35	3.15
	DATE	12/21/45	1/22/43	3/2/38	3/2/38	3/2/38	1/15/52	1/26/56	12/31/33
4 HRS.	AMT.	3.22	5.70	3.60	6.16	5.30	3.28	2.90	3.85
	DATE	12/21/45	1/22/43	3/2/38	3/2/38	3/2/38	1/15/52	1/26/56	12/31/33
5 HRS.	AMT.	3.65	6.80	4.20	7.24	6.48	3.63	3.30	4.51
	DATE	2/21/44	1/22/43	3/2/38	3/2/38	1/22/43	1/15/52	1/26/56	12/31/33
12 HRS.	AMT.	6.38*	12.88	7.10	13.38	13.36	6.23	6.18	8.24
	DATE	2/21/44	1/22/43	3/2/38	3/2/38	1/22/43	1/26/56	1/26/56	12/31/33
24 HRS.	AMT.	11.36*	20.23	9.44	21.68	26.12	8.21	8.25	11.95*
	DATE	2/21/44	1/22/43	1/22/43	1/22/43	1/22/43	1/25/56	1/25/56	12/31/33
STORM TOTAL AUTO GAGE	AMT.	INC.	27.40	INC.	32.15	37.42	10.30	11.23	14.16*
	PERIOD	1/21-24/43	1/21-23/43	1/21-23/43	1/21-23/43	1/21-23/43	1/25-27/56	1/25-27/56	12/30/33-1/1/34
STD. GAGE	AMT.	25.20	29.00	15.47	33.95	37.34	19.80	19.51	14.17
	PERIOD	1/21-24/43	12/18-23/21	1/21-23/43	12/18-23/21	1/21-23/43	1/21-24/43	2/27/38-3/3/38	12/30/33-1/1/34

		STA. #83B BIG PINES REC. PARK	STA. #85G MT. BALDY	STA. #89B-E SAN DIMAS DAM	STA. #92 CLAREMONT POMONA COLLEGE	STA. #96B-E PUDDINGSTONE DAM	STA. #108C EL MONTE FIRE STATION	STA. #116D INGLEWOOD FIRE STATION	STA. #128B WARM SPRINGS
5 MIN.	AMT.	0.62	0.27	0.25	0.40	0.37	0.54	0.43	0.17
	DATE	7/24/46	11/11/44	1/11/51	12/6/46	9/18/65	5/11/57	1/6/59	11/5/60
10 MIN.	AMT.	1.14	0.40	0.27	0.46	0.49	0.68	0.48	0.24
	DATE	7/24/46	11/11/44	2/28/57	12/6/46	9/18/65	5/11/57	1/6/59	11/5/60
15 MIN.	AMT.	1.42	0.50	0.40	0.50	0.53	0.77	0.50	0.35
	DATE	7/24/46	11/11/44	1/25/54	9/29/46	9/18/65	5/11/57	1/6/59	2/4/58
30 MIN.	AMT.	1.43	0.92	0.51	0.72	0.73	0.89	0.72	0.64
	DATE	7/24/46	3/2/38	1/25/54	9/29/46	1/6/59	5/11/57	2/19/58	2/4/58
1 HR.	AMT.	1.66	1.78	0.95	1.00	1.03	1.08	0.92	0.79
	DATE	7/24/46	3/2/38	1/26/56	1/6/59	1/6/59	2/19/58	2/19/58	2/4/58
2 HRS.	AMT.	2.45*	3.41	1.75	1.63	1.72	1.54	1.52	1.09
	DATE	3/2/38	3/2/38	1/26/56	12/31/33	1/26/56	1/26/56	2/19/58	12/15/57
3 HRS.	AMT.	3.41*	4.69	2.50	2.27	2.12	2.21	1.71	1.63
	DATE	3/2/38	3/2/38	1/26/56	12/31/33	1/26/56	1/26/56	2/19/58	2/4/58
4 HRS.	AMT.	4.50*	6.06	3.25	2.96	2.43	2.72	1.86	1.85
	DATE	3/2/38	3/2/38	1/26/56	1/22/43	1/26/56	1/26/56	2/19/58	1/13/57
5 HRS.	AMT.	5.08*	7.02	3.95	3.25	2.75	3.15	2.20	2.20
	DATE	3/2/38	3/2/38	1/26/56	1/22/43	1/26/56	1/26/56	2/19/58	1/13/57
12 HRS.	AMT.	8.59*	11.80	6.65	5.26	4.85	5.41	4.13	4.27
	DATE	3/2/38	1/22/43	1/26/56	1/26/56	1/26/56	1/26/56	1/26/56	1/13/57
24 HRS.	AMT.	10.26	19.27	9.68	7.92	6.60	7.23	6.02	5.23
	DATE	1/22/43	1/22/43	1/26/56	12/31/33	1/25/56	1/26/56	1/25/56	12/15/57
STORM TOTAL AUTO. GAGE	AMT.	15.86	27.45	11.63	10.70	9.57	9.18	8.56	6.71
	PERIOD	1/20-24/43	1/21-24/43	1/25-27/56	1/21-24/43	1/25-27/56	1/25-27/56	2/7-12/62	12/15-17/57
STD. GAGE	AMT.	17.85	34.56	14.33	11.03	11.91	12.99	8.73	6.45
	PERIOD	2/27-3/3/38	12/18-28/21	1/21-24/43	2/10-18/27	12/30/33-1/2/34	12/30/33-1/2/34	2/7-12/62	12/15-17/57

TABLE III (Continued)

		STA. #156 LA MIRADA STD. OIL CO.	STA. #178C AZUSA VALLEY WATER CO.	STA. #179G BAILEY DEBRIS BASIN	STA. #190B RANCHO SOMBRERO	STA. #191B LOS ANGELES ALCAZAR STREET	STA. #201B PUENTE HILLS ALTA MIRA RCH.	STA. #210B BRAND PARK	STA. #213D LOS ANGELES HANCOCK PARK
5 MIN.	AMT.	0.32	0.32	0.88*	0.11	0.38	0.62	0.40	0.32
	DATE	11/15/52	2/11/36	3/4/43	2/9/63	1/6/59	1/6/59	10/18/36	2/7-12/62
10 MIN.	AMT.	0.39	0.40	1.12*	0.15*	0.44	0.72	0.56	0.52
	DATE	11/15/52	11/11/44	3/4/43	2/9/63	1/6/59	1/6/59	10/18/36	11/15/52
15 MIN.	AMT.	0.43	0.53	1.40	0.22*	0.48	0.84	0.62	0.62
	DATE	11/15/52	11/11/44	3/4/43	2/9/63	2/3/58	1/6/59	10/18/36	10/17/34
30 MIN.	AMT.	0.55	0.77	2.00	0.31*	0.63	1.26	0.83	0.96
	DATE	11/15/52	10/17/34	3/4/43	2/9/63	2/3/58	1/6/59	2/23/57	10/17/34
1 HR.	AMT.	0.70	1.10	2.70	0.52*	1.16	1.34	1.41	1.41
	DATE	11/15/52	10/17/34	3/3/43	2/9/63	1/26/56	1/6/59	12/31/33	10/17/34
2 HRS.	AMT.	0.90	1.73	3.16	0.70*	1.87	1.45	2.62	1.69
	DATE	2/19/62	10/17/34	3/3/43	2/9/63	1/26/56	1/6/59	12/31/33	3/2/38
3 HRS.	AMT.	1.21	2.34	3.31	1.00*	2.22	1.81	3.68	2.15
	DATE	2/13/54	12/31/33	3/3/43	2/9/63	1/26/56	2/22/44	12/31/33	3/2/38
4 HRS.	AMT.	1.49	2.79	3.95*	1.39*	2.59	2.15	4.30	2.61
	DATE	3/7/52	12/31/33	1/22/43	2/9/63	1/26/56	1/26/56	12/31/33	3/2/38
5 HRS.	AMT.	1.73	2.98	4.53*	1.65*	2.83	2.68	5.02	3.13
	DATE	3/7/52	12/31/33	1/22/43	2/9/63	1/26/56	1/26/56	12/31/33	3/2/38
12 HRS.	AMT.	2.89	6.00	8.43*	2.35*	4.81	5.42	10.03	4.45
	DATE	3/6/52	12/31/33	1/22/43	2/9/63	1/26/56	1/26/56	12/31/33	3/2/38
24 HRS.	AMT.	5.05	10.85	14.30*	2.80*	6.17	7.66	12.56	6.86
	DATE	1/25/56	12/31/33	1/22/43	2/9/63	1/25/56	1/25/56	12/31/33	12/31/33
STORM TOTAL AUTO. GAGE	AMT.	7.15	12.51	INC.	INC.	9.82	10.20	INC.	10.75
	PERIOD	1/25-27/56	12/30-33/34	1/21-23/43	2/9/63	2/7-12/62	1/25-27/56	12/29/33-1/1/34	2/7-12/62
STD. GAGE	AMT.	7.31	12.02	20.02	3.32	9.86	11.76*	13.88	10.88
	PERIOD	2/27/38-3/4/38	1/14-19/16	1/21-23/43	2/9-11/63	2/7-12/62	2/27/38-3/3/38	12/29/33-1/1/34	2/7-12/62

		STA. #223B-E BIG DALTON DAM	STA. #228B BEVERLY HILLS	STA. #235B HENNIGER FLAT	STA. #250D ACTON CAMP	STA. #259C CHATSWORTH PATROL STATION	STA. #261B-E ACTON ESCONDIDO CN.	STA. #264B SAND CANYON PLACERITA CN.	STA. #280B FLINTRIDGE FIRE STATION
5 MIN.	AMT.	0.25	0.37	0.50	0.31	0.43	0.29	0.24	0.52
	DATE	12/1/52	12/23/40	2/20/41	10/24/58	12/28/41	8/26/35	9/19/65	3/4/43
10 MIN.	AMT.	0.38	0.48	0.59	0.57	0.51	0.41	0.40	0.54
	DATE	10/20/57	12/23/40	2/20/41	10/24/58	8/18/45	8/26/35	9/19/65	3/4/43
15 MIN.	AMT.	0.55	0.61	0.75	0.71	0.65	0.44	0.60	0.61
	DATE	10/20/57	2/23/57	1/22/43	10/24/58	8/18/45	8/26/35	9/19/65	2/14/41
30 MIN.	AMT.	0.65	1.15	1.18	0.89	1.10	0.66	0.74	0.84
	DATE	1/6/59	2/23/57	1/22/43	10/24/58	8/18/45	10/1/32	9/19/65	1/1/34
1 HR.	AMT.	0.91	1.59	1.74	0.93	1.40	0.93*	0.80	1.36
	DATE	1/6/59	2/23/57	1/22/43	10/24/58	8/18/45	8/24/35	9/19/65	1/1/34
2 HRS.	AMT.	1.46	2.43	2.54	1.01	1.86	1.48*	1.16	2.47
	DATE	1/26/56	2/13/54	1/22/43	10/24/58	1/21/43	8/24/35	1/22/64	12/31/33
3 HRS.	AMT.	2.12	3.12	3.23	1.07	2.48	1.48*	1.09	3.27
	DATE	1/26/56	2/13/54	1/22/43	1/12/57	1/21/43	8/24/35	3/16/63	12/31/33
4 HRS.	AMT.	2.87	3.65	3.97	1.32	2.83	1.57	1.32	4.00
	DATE	1/26/56	2/13/54	1/22/43	1/12/57	1/21/43	1/22/43	3/16/63	12/31/33
5 HRS.	AMT.	3.43	3.96	4.58	1.45	3.08	1.82	1.56	4.68
	DATE	1/26/56	2/13/54	1/22/43	1/12/57	1/21/43	1/22/43	3/16/63	12/31/33
12 HRS.	AMT.	5.91	5.31	7.93	2.23	4.64*	3.14	2.58	9.34
	DATE	1/26/56	3/1/38	1/21/43	1/12/57	3/2/38	1/22/43	2/9/63	12/31/63
24 HRS.	AMT.	7.77	8.46	14.96	2.33	8.41*	4.44	2.87	13.24
	DATE	1/25/56	12/31/33	1/22/43	1/12/57	1/21/43	1/22/43	2/9/63	12/31/33
STORM TOTAL AUTO. GAGE	AMT.	10.85	11.79	19.67	4.57	INC.	6.45	5.18	INC.
	PERIOD	1/25-27/56	2/7-12/62	1/20-23/43	2/7-12/62	2/7-12/62	1/21-23/43	4/6-9/65	1/21-24/43
STD. GAGE	AMT.	11.03	11.88	20.12	4.63	16.29	6.69	INC.	15.40
	PERIOD	1/25-27/56	2/7-12/62	1/20-23/43	2/7-12/62	12/31/33-1/2/34	12/18-27/21	4/6-9/65	1/21-23/43

		STA. #283C CRYSTAL LAKE	STA. #291 LOS ANGELES 96TH-CENTRAL	STA #292D-E ENCINO RESERVOIR	STA. #303F PASADENA CAL TECH	STA. #304 DEER PARK	STA. #334B-E COGSWELL DAM	STA. #338B MT. WILSON AIRWAY STA.	STA. #352B LECHUZA PATROL STA.
5 MIN.	AMT.	0.52	0.39	0.13	0.32	0.25	0.41	0.40	0.35
	DATE	3/2/38	3/2/38	3/16/63	3/3/43	2/9/63	1/6/59	4/8/59	12/18/40
10 MIN.	AMT.	0.65	0.45	0.22	0.47	0.39*	0.58	0.50	0.50
	DATE	9/20/39	1/5/35	3/16/63	2/23/57	2/11/62	3/4/43	3/2/38	12/18/40
15 MIN.	AMT.	0.88	0.48	0.26	0.62	0.47*	0.78	0.62	0.70
	DATE	9/20/39	11/16/34	3/16/63	2/23/57	2/11/62	3/4/43	3/2/38	12/18/40
30 MIN.	AMT.	1.10	0.75	0.35	1.08	0.72*	1.25	0.96*	1.05
	DATE	9/20/39	11/16/34	2/9/63	3/3/43	2/11/62	3/4/43	2/22/44	12/18/40
1 HR.	AMT.	1.69	1.15	0.63	1.70	1.20	1.72	1.32	1.48
	DATE	3/2/38	12/23/40	2/9/63	3/3/43	2/9/63	1/22/43	3/2/38	11/14/52
2 HRS.	AMT.	3.25	1.83	1.16	2.36	1.80	2.95	2.36	2.20
	DATE	3/2/38	11/15/34	2/9/63	3/3/43	2/9/63	1/22/43	3/2/38	1/21/43
3 HRS.	AMT.	4.60	2.21	1.57	3.02	2.34	4.04	3.30	2.64
	DATE	3/2/38	11/15/34	2/9/63	12/31/33	2/9/63	1/22/43	3/2/38	1/21/43
4 HRS.	AMT.	5.95	2.63	1.90	3.80	3.00	5.28*	4.33	3.03
	DATE	3/2/38	12/23/40	2/9/63	12/31/33	2/9/63	3/2/38	3/2/38	1/21/43
5 HRS.	AMT.	6.79	2.95	2.39	4.55	3.40	6.17*	5.44	3.28
	DATE	3/2/38	12/23/40	2/9/63	12/31/33	2/9/63	3/2/38	3/2/38	1/21/43
12 HRS.	AMT.	11.68	5.17	3.41	7.98	6.28*	12.43	10.44	6.92
	DATE	1/22/43	9/24/39	2/9/63	12/31/33	2/11/62	1/22/43	3/2/38	1/21/43
24 HRS.	AMT.	18.64	5.94	4.28	11.26*	7.93*	23.12	16.80	9.85
	DATE	1/22/43	9/24/39	2/9/63	12/31/33	2/10/62	1/22/43	1/22/43	1/21/43
STORM TOTAL AUTO. GAGE	AMT.	28.11	8.15	4.91	13.64	17.38*	32.59	23.81	13.40
	PERIOD	1/20-24/43	1/25-27/56	3/31-4/5/65	1/21-23/43	2/7-12/62	1/21-23/43	1/20-24/43	1/21-23/43
STD. GAGE	AMT.	28.58	7.88	5.32	13.86	16.50	30.15	24.00	13.56
	PERIOD	1/20-24/43	1/25-27/56	3/31-4/5/65	1/21-23/43	2/7-12/62	1/21-23/43	1/20-24-43	1/21-23/43

TABLE III (Continued)

		STA. #356C SPADRA PACIFIC COLONY	STA. #367 HAINES CANYON UPPER	STA. #372 SAN FRANCISQUITO P.H. #2	STA. #373B BRIGGS TERRACE	STA #379B SAN GABRIEL EAST FORK	STA. #402F CEDAR SPRINGS	STA #415 SIGNAL HILL CITY HALL	STA. #425B-E SAN GABRIEL DAM
5 MIN.	AMT.	0.30	0.67	0.36	0.26	0.27	0.29*	0.46	0.60
	DATE	1/25/54	1/8/40	4/26/47	10/18/36	1/25/54	3/6/58	11/15/52	4/5/26
10 MIN.	AMT.	0.48	0.82	0.50	0.39	0.38	0.39*	0.57	0.62
	DATE	1/25/54	1/8/40	4/26/47	1/22/43	1/25/54	3/6/58	11/15/52	4/5/26
15 MIN.	AMT.	0.63	0.94	0.70	0.56	0.54	0.48*	0.61	0.68
	DATE	1/25/54	1/8/40	4/26/47	1/22/43	4/1/65	3/6/58	1/23/40	9/24/39
30 MIN.	AMT.	0.90	1.16	1.00	0.87	0.72	0.59*	0.84	0.96
	DATE	1/25/54	1/8/40	4/26/47	1/22/43	1/25/54	3/6/58	1/23/40	4/5/26
1 HR.	AMT.	1.06	1.54	1.26	1.49	0.90	0.97	1.20	1.25
	DATE	1/25/54	1/22/43	4/26/47	1/22/43	1/16/52	12/15/57	1/23/40	1/22/43
2 HRS.	AMT.	1.28	2.57	1.38	2.56	1.56	1.67*	2.18	2.34
	DATE	1/25/54	1/21/43	4/26/47	1/22/43	1/15/52	4/3/58	2/22/44	1/22/43
3 HRS.	AMT.	1.55	3.39	1.38	3.51	2.02	2.48	2.53	3.28
	DATE	3/8/52	3/2/38	4/26/47	1/22/43	1/15/52	12/15/57	2/22/44	1/22/43
4 HRS.	AMT.	1.87	4.39	1.69	4.47	2.40	3.20*	2.68	4.32
	DATE	3/8/52	1/22/43	12/15/57	1/22/43	1/15/52	4/3/58	2/22/44	1/22/43
5 HRS.	AMT.	2.22	5.46	2.07	5.12	2.79	3.66*	3.02	5.30
	DATE	3/8/52	1/22/43	12/15/57	1/22/43	4/3/58	4/3/58	9/25/39	1/22/43
12 HRS.	AMT.	4.06	11.64	2.86	8.45	4.37	6.82	4.92	10.35
	DATE	1/22/43	1/22/43	12/21/45	1/21/43	1/15/52	12/15/57	9/24/39	1/22/43
24 HRS.	AMT.	6.16	18.57	4.20	14.53	6.28	9.74	5.66	17.81
	DATE	1/22/43	1/21/43	12/15/57	1/22/43	1/25/56	12/15/57	9/24/39	1/22/43
STORM TOTAL AUTO. GAGE	AMT.	8.69	25.65	8.83	20.07	8.75	19.56	7.00	24.07
	PERIOD	1/21-24/43	1/21-24/43	2/7-12/62	1/21-24/43	1/25-27/56	1/20-24/43	1/25-27/56	1/21-23/43
STD. GAGE	AMT.	8.71	25.67	10.07	20.79	24.00	29.73	7.00	25.08
	PERIOD	1/21-24/43	1/21-24/43	1/22-23/43	1/21-24/43	1/21-24/43	1/20-24/43	1/25-27/56	12/17-22/21

		STA. #433C FAIR OAKS DEBRIS BASIN	STA. #434 MALIBU DIV. HDQ.	STA. #435 MONTE NIDO	STA. #444C ROLLING HILLS PALOS VERDES	STA. #445B LIVE OAK DAM	STA. #446 ALISO CN. OAT MT.	STA. #449B EATON DAM	STA. #451B CASTAIC
5 MIN.	AMT.	0.36	0.32	0.28	0.30	0.37	0.63	0.30	0.15
	DATE	2/11/59	11/13/46	11/15/52	11/15/52	11/11/44	12/21/45	2/23/57	4/1/58
10 MIN.	AMT.	0.50	0.60	0.43*	0.45	0.53	0.66	0.42	0.25
	DATE	2/11/59	11/13/46	12/15/57	11/5/60	11/11/44	12/21/45	1/16/52	10/24/58
15 MIN.	AMT.	0.78	0.85	0.60*	0.56	0.58	0.68	0.54	0.39
	DATE	2/3/58	11/13/46	12/15/57	11/5/60	11/11/44	12/21/45	1/16/52	10/24/58
30 MIN.	AMT.	0.99	1.33	0.88*	0.67	0.63	0.80	0.78	*0.54
	DATE	2/3/58	11/13/46	12/15/57	11/5/60	11/11/44	12/21/45	1/16/52	10/24/58
1 HR.	AMT.	1.41	1.71	1.31*	0.87	0.97	1.16	1.09	0.61
	DATE	2/3/58	11/13/46	12/15/57	2/10/63	1/22/43	1/21/43	1/13/52	10/24/58
2 HRS.	AMT.	2.05	2.04	2.05*	1.37	1.74	1.96	1.82	0.73
	DATE	2/3/58	11/13/46	12/15/57	2/10/63	1/22/43	1/21/43	1/15/52	1/6/59
3 HRS.	AMT.	2.34	2.25	2.21*	1.70	2.48	2.54	2.49	0.97
	DATE	2/3/58	11/13/46	12/15/57	2/10/63	1/22/43	1/21/43	1/15/52	1/5/59
4 HRS.	AMT.	3.06	2.51	2.53	2.04	3.21	2.96	2.97	1.12
	DATE	1/22/43	11/13/46	1/15/52	2/19/58	1/22/43	1/21/43	1/15/52	1/5/59
5 HRS.	AMT.	3.68	2.74	2.98	2.35	3.87	3.31	3.37	1.27
	DATE	1/22/43	11/13/46	1/15/52	1/26/56	1/22/43	1/21/43	1/15/52	1/5/59
12 HRS.	AMT.	6.68	4.09	5.57	4.22	5.32	4.96	5.38	2.43
	DATE	1/21/43	1/15/52	1/15/52	1/26/56	1/21/43	1/21/43	1/26/56	1/12/57
24 HRS.	AMT.	11.18*	5.24	6.75	6.56	9.14*	9.40	6.93	3.20
	DATE	1/22/43	3/14/52	1/15/52	1/25/56	1/22/43	1/21/43	1/25/56	2/10/62
STORM TOTAL AUTO. GAGE	AMT.	INC.	11.10	14.36	8.20	INC.	14.46	9.61	7.00
	PERIOD	1/21-23/43	2/7-12/62	2/7-12/62	1/25-27/56	1/21-24/43	2/7-12/62	1/15-18/52	2/7-12/62
STD. GAGE	AMT.	15.40	15.37	15.53	8.39	13.30	14.90	15.88	6.94
	PERIOD	1-21-23/43	1/21-23/43	2/7-12/62	2/7-12/62	1/21-24/43	2/7-12/62	1/21-24/43	2/7-12/62

		STA. #453B DEVIL'S GATE DAM	STA. #466B PACOIMA CANYON DUTCH LOUIE CN.	STA. #470 TUJUNGA MILL CREEK	STA. #477C SANTA ANITA SPRING CAMP	STA. #486B COLD WATER CN. WIDMAN RANCH	STA. #492 CHILAO	STA. #493C SAND CANYON	STA. #517B ANDERSEN RCH. PALLETT CREEK
5 MIN.	AMT.	0.32	0.31	0.40	0.80	0.60	0.29	0.28	0.32
	DATE	2/23/57	11/11/44	8/40/21	1/6/59	7/27/56	10/8/45	10/11/57	8/21/61
10 MIN.	AMT.	0.50	0.41	0.57	0.96	0.95	0.34	0.41	0.50
	DATE	1/6/59	11/11/44	8/22/61	1/6/59	7/27/56	10/8/45	10/11/57	7/18/46
15 MIN.	AMT.	0.55	0.50	0.85	1.22	1.05	0.40	0.58	0.73
	DATE	1/6/59	11/11/44	8/22/61	3/4/43	7/27/56	10/8/45	10/11/57	7/18/46
30 MIN.	AMT.	0.72	0.79	1.37	1.57	1.17	0.55	0.82	1.23
	DATE	2/3/58	2/2/45	8/22/61	3/4/43	7/27/56	11/11/44	10/11/57	7/18/46
1 HR.	AMT.	0.95	1.11	1.72	1.73	1.17	0.79	1.11	1.78
	DATE	2/23/57	1/22/43	8/22/61	3/4/43	7/27/56	3/30/46	10/11/57	7/18/46
2 HRS.	AMT.	1.51	2.00	1.73	2.90	1.45	1.27	1.56	2.26
	DATE	2/23/57	1/22/43	8/22/61	1/22/43	12/22/45	2/11/62	1/6/59	7/18/46
3 HRS.	AMT.	2.03	2.71	1.80	4.03	1.77	1.73	1.86	2.26
	DATE	2/23/57	1/21/43	8/22/61	1/22/43	12/21/45	1/12/57	4/3/58	7/18/46
4 HRS.	AMT.	2.42	3.33	1.80	5.17	2.14	2.12	2.20	2.27
	DATE	2/23/57	1/21/43	8/22/61	1/22/43	1/19/54	1/12/57	4/3/58	7/18/46
5 HRS.	AMT.	2.55	3.90	1.80	6.26	2.64	2.38	2.34	2.32
	DATE	2/23/57	1/21/43	11/13/46	1/22/43	1/19/54	1/12/57	4/3/58	1/5/59
12 HRS.	AMT.	4.48	6.02	3.18	12.75*	4.63	4.57	3.85	4.12
	DATE	1/26/56	1/21/43	1/17/52	1/21/43	11/11/44	2/11/62	3/31/58	1/26/56
24 HRS.	AMT.	6.24	11.00	4.51	23.50*	7.96	7.37	5.25	6.00
	DATE	1/25/56	1/21/43	1/25/56	1/21/43	2/21/44	2/11/62	2/10/62	1/25/56
STORM TOTAL AUTO. GAGE	AMT.	9.37	11.90	INC.	INC.	11.86	15.45	10.88	10.62
	PERIOD	2/7-12/62	2/7-12/62	2/19-27/44	1/21-24/43	12/20-23/45	2/7-12/62	2/7-12/62	2/7-12/62
STD. GAGE	AMT.	9.30	15.50	11.13*	33.00*	12.03	14.76	11.76	14.50
	PERIOD	2/7-12/62	1/21-24/43	2/19-27/44	1/21-24/43	12/20-23/45	2/7-12/62	2/7-12/62	1/21-23/43

TABLE III (Continued)

		STA. #716 LOS ANGELES DUCOMMUN ST.	STA #807 ASCOT RESERVOIR	STA #1006 SAN PEDRO CITY RESERVOIR	STA. #1008-E LA FRESA S.C.E. CO.	STA. #1010B PALMER CANYON	STA. #1013B TUJUNGA CN. GOLD CREEK	STA. #1014D-E RIO HONDO SPRDG. GRDS.	STA. #1017B LITTLE ROCK ABOVE DAM
5 MIN.	AMT.	0.44	0.16	0.56	0.40	0.30	0.30	0.44	0.20
	DATE	1/14/08	2/19/62	12/5/47	1/6/59	4/7/52	11/9/64	1/6/59	8/14/65
10 MIN.	AMT.	0.66	0.28	0.74	0.50	0.35	0.45	0.68	0.36
	DATE	2/18/14	2/12/62	12/5/47	1/6/59	10/30/48	1/9/64	1/6/59	8/14/65
15 MIN.	AMT.	0.81	0.37	0.84	0.57	0.44	0.60	0.86	0.41
	DATE	2/18/14	9/18/65	12/5/47	1/6/59	10/30/48	1/9/64	1/6/59	8/14/65
30 MIN.	AMT.	1.12	0.70	0.98	0.67	0.61	0.80	1.04	0.55
	DATE	2/18/14	9/18/65	12/5/47	1/6/59	10/30/48	11/9/64	1/6/59	8/14/65
1 HR.	AMT.	1.51	0.91	1.08	0.77	0.91	1.15	1.08	0.62
	DATE	2/18/14	9/18/65	12/5/47	1/29/51	1/26/56	11/9/64	1/6/59	8/14/65
2 HRS.	AMT.	1.99	1.01	1.21	1.22	1.72	1.45	1.23	0.66
	DATE	2/18/14	3/16/63	12/5/47	2/10/63	11/20/61	11/9/64	12/5/47	11/15/52
3 HRS.	AMT.	2.28	1.26	1.47	1.48	2.17	1.83	1.56	0.94
	DATE	2/18/14	3/16/63	1/26/56	1/26/56	1/26/56	1/6/59	2/13/54	1/12/57
4 HRS.	AMT.	2.71	1.50	1.96	1.93	2.73	2.19	1.76	1.19
	DATE	1/26/56	3/16/63	1/26/56	1/26/56	1/26/56	1/6/59	2/13/54	1/12/57
5 HRS.	AMT.	3.06	1.74	2.18	2.50	3.29	2.54	2.03	1.32
	DATE	3/2/38	2/9/63	1/26/56	1/26/56	1/26/56	1/5/59	2/13/54	1/12/57
12 HRS.	AMT.	5.02*	2.46	3.12	4.15	6.01	3.62	3.35*	1.85
	DATE	1/26/56	2/9/63	2/19/58	1/25/56	1/26/56	3/6/52	2/19/58	1/15/52
24 HRS.	AMT.	7.36	3.70	5.40	7.42	8.19	5.05	3.81	3.05
	DATE	12/31/33	2/10/62	1/25/56	1/25/56	1/26/56	2/10/62	1/17/52	1/25/56
STORM TOTAL AUTO. GAGE	AMT.	9.35	10.00	7.32	8.13	10.94	9.73	INC.	3.45
	PERIOD	2/7-12/62	2/7-12/62	1/25-27/56	1/25-27/56	1/25-27/56	2/7-12/62	1/25-27/56	2/7-12/62
STD. GAGE	AMT.	9.67	10.03	7.20	8.91	10.96	9.98	7.35	3.63
	PERIOD	3/2-10/84	2/7-12/62	1/25-27/56	1/25-27/56	1/25-27/56	2/7-12/62	1/25-27.56	2/7-12/62

		STA. #1035 WHITTIER WOOD	STA. #1037-E ARCADIA ARBORETUM	STA. #1060 LITTLE ROCK-SYCAMORE CAMP	STA. #1062 BUCKHORN FLAT	STA. #1074 LITTLE GLEASON	STA. #1078 COVINA GRIFFITH	STA. #1080B BRADBURY DEBRIS BASIN	STA. #1088B LA HABRA HEIGHTS
5 MIN.	AMT.	0.35	0.30	0.27	0.25	0.18*	0.30	0.44	0.25
	DATE	9/18/65	2/19/58	11/11/54	1/26/56	1/12/57	1/6/59	1/6/59	3/22/58
10 MIN.	AMT.	0.52	0.50	0.35	0.38	0.23*	0.50	0.67	0.34
	DATE	1/6/59	2/19/58	11/11/54	1/26/56	1/12/57	1/6/59	1/6/59	2/3/58
15 MIN.	AMT.	0.71	0.75	0.40	0.48	0.35*	0.63	0.70	0.39*
	DATE	1/6/59	2/19/58	11/11/54	2/19/62	1/12/57	1/6/59	1/6/59	3/6/58
30 MIN.	AMT.	0.94	1.00	0.47	0.62	0.62*	0.90	0.82	0.52*
	DATE	1/6/59	2/19/58	11/11/54	12/15/57	1/12/57	1/6/59	1/6/59	3/16/63
1 HR.	AMT.	1.12	1.39	0.64	1.12	1.09*	1.15	0.95	0.80
	DATE	1/6/59	2/19/58	11/11/54	12/15/57	1/12/57	1/6/59	1/20/62	2/11/62
2 HRS.	AMT.	1.23	2.08	0.84	2.00	1.94*	1.28	1.63	1.20
	DATE	2/13/54	2/19/58	2/11/62	12/15/57	1/12/57	1/6/59	1/26/56	2/11/62
3 HRS.	AMT.	1.58	2.58	1.20	2.57	3.04*	1.60	2.20	1.60*
	DATE	2/13/54	2/19/58	1/12/57	12/15/57	1/12/57	1/26/56	1/26/56	2/25/58
4 HRS.	AMT.	1.93	3.08	1.50	3.05	3.78*	2.00	2.95	2.25*
	DATE	2/13/54	1/26/56	1/12/57	12/15/57	1/12/57	1/26 '56	1/26/56	2/25/58
5 HRS.	AMT.	2.16	3.48	1.63	3.67	4.66*	2.48	3.44	2.58*
	DATE	2/13/54	1/26/56	1/12/57	12/15/57	1/12/57	1/26/56	1/26/56	2/25/58
12 HRS.	AMT.	3.42	5.84	3.38	6.35	6.22*	4.51	5.81	3.67
	DATE	1/26/56	1/26/56	1/26/56	12/15/57	1/12/57	1/26/56	1/26/56	1/26/56
24 HRS.	AMT.	6.02	7.60	4.83	8.56	9.16*	6.38	7.60	5.70
	DATE	1/25/56	1/25/56	1/25/56	12/15/57	1/12/57	1/25/56	1/25/56	1/25/56
STORM TOTAL AUTO GAGE	AMT.	7.86	10.20	7.69	INC.	INC.	8.20	10.29	e.26
	PERIOD	1/25-27/56	2/7-12/62	2/7-12/62	2/7-12/62	2/7-12/62	1/25-27/56	2/7-12/62	2/7-12/62
STD. GAGE	AMT.	7.95	10.33	7.85	17.42	11.76	INC.	INC.	8.90
	PERIOD	1/25-27/56	2/7-12/62	2/7-12/62	2/7-12/62	2/7-12/62	1/25-27/56	2/7-12/62	1/25-27/56

		STA.#1107D LA TUNA CN.	STA. #1108 ANAVERDE VALLEY	STA. #1138 MT. DISAP-POINTMENT	STA. #1144 SAN GABRIEL NORTH FORK	STA. #1146 SANTA ANITA HELIPORT	STA. #1157 SAN FERNANDO VALLEY STATE COLLEGE	STA. # X28B HOLIDAY HILL	STA. # X29 PINE MT
5 MIN.	AMT.	0.25	0.18	0.35	0.26	0.26	0.20	0.48	0.24
	DATE	2/4/58	8/4/61	11/5/60	11/5/60	11/9/64	2/12/62	8/21/61	2/11/62
10 MIN.	AMT.	0.50	0.29	0.60	0.36	0.32	0.30	0.71	0.38
	DATE	2/4/58	8/4/61	11/5/60	11/5/60	11/9/64	2/12/62	8/21/61	2/11/62
15 MIN.	AMT.	0.52	0.40	0.70	0.38	0.44	0.40	1.05	0.48
	DATE	2/4/58	8/4/61	11/5/60	11/5/60	11/9/64	2/12/62	8/21/61	2/11/62
30 MIN.	AMT.	0.53	0.62	0.93	0.56	0.57*	0.60	1.84	0.82
	DATE	2/4/58	8/4/61	11/5/60	2/11/62	2/9/63	2/12/62	8/21/61	2/11/62
1 HR.	AMT.	0.80	0.80	1.11	0.80	1.11*	1.00	1.94	1.50
	DATE	4/1/65	8/4/61	2/9/63	11/20/61	2/9/63	2/12/62	8/21/61	2/11/62
2 HRS.	AMT.	1.07	1.08	1.69	1.35	1.90*	1.35	1.95	2.28
	DATE	1/6/59	8/4/61	2/9/63	2/9/63	2/9/63	2/12/62	8/21/61	2/11/62
3 HRS.	AMT.	1.40	1.27	2.18	1.85	2.39*	1.45	1.95	2.70
	DATE	1/6/59	8/4/61	2/9/63	2/9/63	2/9/63	2/12/62	8/21/62	2/11/62
4 HRS.	AMT.	1.62	1.27	2.75	2.40	3.03*	1.46	2.07	3.22*
	DATE	1/6/59	8/4/61	2/9/63	2/9/63	2/9/63	2/11/62	8/16/65	2/9/63
5 HRS.	AMT.	2.00	1.27	3.32	2.75	3.67*	1.59	2.25	3.80*
	DATE	1/5/59	8/4/61	2/9/63	2/9/63	2/9/63	2/10/62	8/16/65	2/9/63
12 HRS.	AMT.	3.06	1.62	5 181	4.60	6.04*	3.09	2.42	6.72
	DATE	1/26/56	3/27/58	2/9/63	2/9/63	2/9/63	2/10/62	12/1/61	2/11/62
24 HRS.	AMT.	4.65	1.70*	9.17*	5.55	8.05*	4.61	3.35*	8.90
	DATE	1/25/56	2/18/58	2/10/62	2/9/63	2/10/62	2/10/62	2/10/62	2/10/62
STORM TOTAL AUTO GAGE	AMT.	8.75	3.20	INC.	INC.	INC.	10.62	7.94*	20.00
	PERIOD	2/7-12/62	2/7-12/62	2/7-12/62	2/7-12/62	2/7-12/62	2/7-12/62	2/7-12/62	2/7-12/62
STD. GAGE	AMT.	8.80	3.27	18.62	13.11	17.30	-	-	INC.
	PERIOD	2/7-12/62	2/7-12/62	2/7-12/62	2/7-12/62	2/7-12/62	-	-	2/7-12/62

LEGEND

* – INDICATES ESTIMATED VALUE
INC. – INDICATES INCOMPLETE RECORD
DATE – INDICATES BEGINNING OF PERIOD

NOTE: ELEVATION, TYPE AND CAPACITY, PERIOD OF RECORD FOR EACH AUTOMATIC RAIN GAGE, AND WATERSHED FOR EACH STATION IS SHOWN IN TABLE I.

TABLE IV

SEASONAL 1963–64 DAILY RAINFALL FOR SELECTED STATIONS

RAINFALL RECORDS IN INCHES

STA. NO.	STATION		OCTOBER 4	11	16	17	18	19	20
6	TOPANGA	E			.57	.03			
15B	VAN NUYS	B			.29		.16		
32C	NEWHALL	C	.02	.01	.34		.06		
33A–E	PACOIMA DAM	E	.13	T	.67		.19		
57B–E	OPID'S	E		T	.76	T	.12		T
85G	MT. BALDY	B			.05	.98	.49	.04	
106D	WHITTIER	E	.02		.36		.54		
130B	SANDBERG'S	C		.03	.49	1.34	.48		.02
185	GLENDORA	E	T		.42	.09		.01	.01
241	LONG BEACH	A			.52				
256C	POMONA	V			.20*		.05*		
283C	CRYSTAL LAKE	E			.84	.29	.37		.02
321–E	PINE CANYON	C		.07	.21	.75	.48	.28	
425B–E	SAN GABRIEL DAM	F	T		.35	.03	.15		.04
440B	CHILAO	B		T	.18	.55	.07		
455B	LANCASTER	E		.08	.80		.18		
478	VALYERMO	V			.04	.40		.21	
610B	PASADENA	C	.04		.55		.40		
634C	SANTA MONICA	D	.03		.46		.01		
716	LOS ANGELES	E			.27	.11	.22		

STA. NO.	STATION		NOVEMBER 3	4	6	7	15	16	19	20	21	24
6	TOPANGA	E	T		1.32		.81			2.34	.05	
15B	VAN NUYS	B			.06	.50	.11	.24		1.73		
32C	NEWHALL	C		.03	.49		.28			1.15		
33A–E	PACOIMA DAM	E	.05	.02	.58		.97			1.56	.01	
57B–E	OPID'S	E	.09	.08	1.02		1.28	.03		2.22	.16	
85G	MT. BALDY	B		.04		1.32		1.30		1.82	.57	
106D	WHITTIER	E			.41	.03	.37			1.81	.06	
130B	SANDBERG'S	C			.47	.07	.10*	.01*	T	2.13	.16	.20
185	GLENDORA	E		.05	.56	.01	.50			1.42	.25	
241	LONG BEACH	A			.61		.78			1.87		
256C	POMONA	V			.46		.40			1.88	.40	
283C	CRYSTAL LAKE	E		.05	1.06	.07	1.15		1.52	.10		
321–E	PINE CANYON	C			.54	.35	.45			1.65		
425B–E	SAN GABRIEL DAM	F		.08	.47	.03	.92	.01		1.43		
440B	CHILAO	B		T	T	.51		.38		1.30	.13	
455B	LANCASTER	E			.18		.03*			.40		
478	VALYERMO	V			.21	.04	.02	.01		.66	.17	
610B	PASADENA	C		T	.52	.01	.52	.03		1.13	.23	
634C	SANTA MONICA	D			.70		.69			1.87		
716	LOS ANGELES	E			.55		.51			1.30	.04	

STA. NO.	STATION		DECEMBER 9	10
6	TOPANGA	E	.01	
15B	VAN NUYS	B	.02	
32C	NEWHALL	C	.01	
33A–E	PACOIMA DAM	E	.06	
57B–E	OPID'S	E	.06	
85G	MT. BALDY	B		.10
106D	WHITTIER	E		
130B	SANDBERG'S	C		.13
185	GLENDORA	E	.03	
241	LONG BEACH	A		
256C	POMONA	V		
283C	CRYSTAL LAKE	E	.05	
321–E	PINE CANYON	C		
425B–E	SAN GABRIEL DAM	F	T	.02
440B	CHILAO	B		T
455B	LANCASTER	E		
478	VALYERMO	V		.20
610B	PASADENA	C	.02	
634C	SANTA MONICA	D	T	
716	LOS ANGELES	E		

STA. NO.	STATION		JANUARY 2	7	14	18	19	20	21	22	23	26
6	TOPANGA	E				.05	.04	2.56	.89			
15B	VAN NUYS	B				.02		1.25	.92			
32C	NEWHALL	C						1.46	1.05			
33A–E	PACOIMA DAM	E				.02		.02	1.45	1.60		
57B–E	OPID'S	E				.08			2.68	2.63		
85G	MT. BALDY	B					.02		2.08	1.87	.01	
106D	WHITTIER	E				.12			.63	.46		
130B	SANDBERG'S	C	.06	.04	.07	T	T	T	.61	.27	T	
185	GLENDORA	E			T	.08			1.83	1.14		
241	LONG BEACH	A				.09				.50		
256C	POMONA	V				.15			.86	1.13		
283C	CRYSTAL LAKE	E			T	T			2.35	1.90		
321–E	PINE CANYON	C				.01		T	1.34	1.63		T
425B–E	SAN GABRIEL DAM	F				.01			2.45	1.78		
440B	CHILAO	B					T		1.02	.97		
455B	LANCASTER	E							.30	.46	.05	
478	VALYERMO	V							.84	.73		
610B	PASADENA	C				.04			1.62	1.04		
634C	SANTA MONICA	D				.20		.02	.91	.37		
716	LOS ANGELES	E					.09		.90	.67		

STA. NO.	STATION		FEBRUARY 12	16	17	25	26	29
6	TOPANGA	E						
15B	VAN NUYS	B						
32C	NEWHALL	C				T		
33A–E	PACOIMA DAM	E						T
57B–E	OPID'S	E		.04				.21
85G	MT. BALDY	B	.06		.01		.10	.32
106D	WHITTIER	E						
130B	SANDBERG'S	C		.15		T		.32
185	GLENDORA	E		T		.06		.10
241C	LONG BEACH	A						
256C	POMONA	V						.08
283C	CRYSTAL LAKE	E		.09		T		.16
321–E	PINE CANYON	C						.12
425B–E	SAN GABRIEL DAM	E	T	T		T		.17
440B	CHILAO	B		.13				.15
455B	LANCASTER	E						.10
478	VALYERMO	V		.16				.05
610B	PASADENA	C				T		.04
634C	SANTA MONICA	D				T		
716	LOS ANGELES	E						T

STA. NO.	STATION		MARCH 2	3	6	7	8	12	13	22	23	24	25	31
6	TOPANGA	E	.25					.11	.12	1.05	.85	.24		.43
15B	VAN NUYS	B	.08			T		.05	.06	.96	.18			.24
32C	NEWHALL	C	.15		T				.08	.23	.81	.08		.25
33A–E	PACOIMA DAM	E	.26					.18	.15	.65	1.31	.10	T	.37
57B–E	OPID'S	E	.42					.39		1.44	1.83	.41	.06	.53
85G	MT BALDY	B	.41			.03	.23		.05	.21	2.24	.99	.15	
106D	WHITTIER	E	.13			.06	.04	.06	.14	.61	.63	.16		.12
130B	SANDBERG'S	C	.27	.08	T	.33		.03	T	.26	.19	.14		.58
185	GLENDORA	E	.36			T		.20	.17	.10	1.65	.41	.02	.17
241C	LONG BEACH	A	.09						.11		.51	.45		
256C	POMONA	V	.29						.18*		1.08	.51	.02	
283C	CRYSTAL LAKE	E	.27		T		.08	.09		.62	1.52	.52		.38
321–E	PINE CANYON	C	.18					.02	.13	.22	.37	.19		.25
425B–E	SAN GABRIEL DAM	E	.35			.02		.09	.04	.53	1.72	.29	.08	.31
440B	CHILAO	B	.12			T	.01		.04		1.20	.53	.09	
455B	LANCASTER	E	.07					.02		.27	.02	.10		.22
478	VALYERMO	V	.05			.10	.01		T		.36	.04		
610B	PASADENA	C	.20			T	.01	.11	.22	.23	1.18	.25	.02	.21
634C	SANTA MONICA	D	.17					.15	.19	.81	.49	.14		.12
716	LOS ANGELES	E	.20				.02		.11	.22	.94	.10		.16

STA. NO.	STATION		APRIL 1	2	5	6	18	19	20	22	23	24	25	26	27	28	29	30
6	TOPANGA	E	1.06					.05										
15B	VAN NUYS	B	.78	.06			T	T								.05	.05	
32C	NEWHALL	C	1.75					.04								.26		
33A–E	PACOIMA DAM	E	1.50				.02	.08								.30	.01	
57B–E	OPID'S	E	3.30	.11	.06		.07	.50			.07					.36		
85G	MT BALDY	B	3.10	.62	.04	.11	.13	.44	.02		.20		.03			.43	.26	
106D	WHITTIER	E	.48													.05		
130B	SANDBERG'S	C	.93	.09				T			T					.14		
185	GLENDORA	E	1.17	.05	.06		.05	.23			.06					.20	.11	.01
241C	LONG BEACH	A	.43					.08								.05		
256C	POMONA	V	.67	.06					.14*							.28		
283C	CRYSTAL LAKE	E	3.24		.09		.12	.51							.27	.42	.02	
321–E	PINE CANYON	C	1.22	.09				.07				.02				.04		
425B–E	SAN GABRIEL DAM	E	2.34	.14	.05		.08	.31			.20					.32	.10	.01
440B	CHILAO	B	1.86	.03			.21	.16						T		.39	.35	
455B	LANCASTER	E	.05															
478	VALYERMO	V	.30	.02			.07									.10		
610B	PASADENA	C	1.17	.01	T		.02	.21			.01					.08	.06	
634C	SANTA MONICA	D	.30				.14									.01		
716	LOS ANGELES	E	.25					.06								.06		

STA. NO.	STATION		MAY 1	2	3	4	5	6	7	17	25	26
6	TOPANGA	E										
15B	VAN NUYS	B				T	T	.02	T			
32C	NEWHALL	C				.03						
33A–E	PACOIMA DAM	E	T			T		.04	.02			
57B–E	OPID'S	E				.78	.22	.26	.06			
85G	MT. BALDY	E	.02				.41	.25	.86			
106D	WHITTIER	E						.04				
130B	SANDBERG'S	C				.29	.09	.42		.02	T	T
185	GLENDORA	E	.01				.21	.10				
241C	LONG BEACH	A				.05						
256C	POMONA	V							.12			
283C	CRYSTAL LAKE	E				.11	.34	.96				
321–E	PINE CANYON	C				.17	.05	.74				
425B–E	SAN GABRIEL DAM	E	.01			.03	.07	.29	.02			
440B	CHILAO	B					.43	.05	.15			
455B	LANCASTER	E		.12				.15				
478	VALYERMO	V				.09			.03			
610B	PASADENA	C					T	.03				
634C	SANTA MONICA	D					T	.03				
716	LOS ANGELES	E					T					

STA. NO.	STATION		JUNE 7	8	9	10	16	19
6	TOPANGA	E			.16			
15B	VAN NUYS	B			.13			
32C	NEWHALL	C			.10			
33A–E	PACOIMA DAM	E		.02	.29			
57B–E	OPID'S	E			.29			
85G	MT. BALDY	E			.55	.06		
106D	WHITTIER	E			.21			
130B	SANDBERG'S	C			T			
185	GLENDORA	E	T	.04	.19		T	.01
241C	LONG BEACH	A			.16			
256C	POMONA	V			.26	T		
283C	CRYSTAL LAKE	E			.63			
321–E	PINE CANYON	C			.16			
425B–E	SAN GABRIEL DAM	E		.01	.35			
440B	CHILAO	B			.04			
455B	LANCASTER	E						
478	VALYERMO	V						
610B	PASADENA	C		.09	.21			
634C	SANTA MONICA	D		T	.25			
716	LOS ANGELES	E			.34			

STA. NO.	STATION		JULY 26	27
6	TOPANGA	E		
15B	VAN NUYS	B		
32C	NEWHALL	C		
33A–E	PACOIMA DAM	E		
57B–E	OPID'S	E	T	
85G	MT. BALDY	E		.21
106D	WHITTIER	E		
130B	SANDBERG'S	C		
185	GLENDORA	E	T	
241C	LONG BEACH	A		
256C	POMONA	V	T	
283C	CRYSTAL LAKE	E	T	T
321–E	PINE CANYON	C		
425B–E	SAN GABRIEL DAM	E	T	.03
440B	CHILAO	B	T	
455B	LANCASTER	E		
478	VALYERMO	V		.08
610B	PASADENA	C		
634C	SANTA MONICA	D		
716	LOS ANGELES	E		T

STA. NO.	STATION		AUGUST 10	17	18	28	31
6	TOPANGA	E					
15B	VAN NUYS	B				T	
32C	NEWHALL	C					
33A–E	PACOIMA DAM	E				T	
57B–E	OPID'S	E					
85G	MT. BALDY	E					
106D	WHITTIER	E					
130B	SANDBERG'S	C		T			
185	GLENDORA	E			T		
241C	LONG BEACH	A					
256C	POMONA	V					
283C	CRYSTAL LAKE	E			T		
321–E	PINE CANYON	C					
425B–E	SAN GABRIEL DAM	E	T			T	
440B	CHILAO	B					
455B	LANCASTER	E					
478	VALYERMO	V			.03		
610B	PASADENA	C					
634C	SANTA MONICA	D					
716	LOS ANGELES	E				T	

STA. NO.	STATION		SEPTEMBER 18	25	28
6	TOPANGA	E			
15B	VAN NUYS	B			
32C	NEWHALL	C			
33A–E	PACOIMA DAM	E	T		
57B–E	OPID'S	E			
85G	MT. BALDY	E			
106D	WHITTIER	E			
130B	SANDBERG'S	C			
185	GLENDORA	E	.02		
241C	LONG BEACH	A		T	
256C	POMONA	V			
283C	CRYSTAL LAKE	E	T		
321–E	PINE CANYON	C			
425B–E	SAN GABRIEL DAM	E	T		
440B	CHILAO	B			
455B	LANCASTER	E			
478	VALYERMO	V			
610B	PASADENA	C	T		
634C	SANTA MONICA	D			
716	LOS ANGELES	E			T

LEGEND

A – – – – – – 7:00 A.M. GAGE READING
B – – – – – – 8:00 A.M. GAGE READING
C – – – – – – 4:00 P.M. GAGE READING
D – – – – – – 4:30 P.M. GAGE READING
E – – – – – – 5:00 P.M. GAGE READING
F – – – – – – MIDNIGHT GAGE READING
V – – – – – – READINGS AT VARIOUS TIMES

STANDARD TIME – CLOCK RETARDED ONE HOUR OCTOBER 27, 1963
DAYLIGHT SAVING TIME – CLOCK ADVANCED ONE HOUR STARTING APRIL 26, 1964
NOTE: FOR MONTHLY AND SEASONAL TOTALS SEE TABLE VI
NO RAINFALL ON DATES NOT SHOWN
– INDICATES PERIOD OF TOTAL FOLLOWING
* ESTIMATE > 10% OF TOTAL
** ESTIMATE < 10% OF TOTAL

TABLE V

SEASONAL 1964–65 DAILY RAINFALL FOR SELECTED STATIONS

RAINFALL RECORDS IN INCHES

STA. NO.	STATION		OCTOBER 7	14	15	27	28	29	30	NOVEMBER 1	8	9	10	11	12	13	14	15	16	17	18	27	DECEMBER 2	7	9	12	18	19	20	21	22	23	24	25	26	27	28	29	30	31
6	TOPANGA	E			T	.01	.17	.27				.92	.60	.13	.03						.43								.92	2.28	.25		.04				.87	.02		.07	
15B	VAN NUYS	B					.15	.24				.31	.32	.21	.04							.50							.05*	.44*	.94*	.13*						.58	.06		.05	
32C	NEWHALL	C					.19	.25		T		.68	.24		.01						.32								.62	.99	.06						.26	.11		.07	
33A–E	PACOIMA DAM	E				T	.18	.57		.03		1.00	.54		.14						.68							.03	.25	.90	.32		T				.99	.08		.07	
57B–E	OPID'S	E			T		.25	.70		.06		2.52	.88	.05	.20						1.24	.06						.10	.70	2.16	.32						1.75	.25		.06	T
85G	MT. BALDY	B		.01			.08	.49				.15	1.13	.66	.08						.30	.83							.13	.38	.33						.83	.96	.56		
106D	WHITTIER	E				T	.03	.10				.31	.24		.10						.64							.02	.09	.47	.02		.05	.04			.84	.08			
130B	SANDBERG'S	C		T	T		.17	.60			.14	.40	.27		.02	.17	.08				.97	.27			T	.03	T		.65	.27			T	.01		.01	.13	T		.01	.04
185	GLENDORA	E		T	T		.02	.28				.39	.93	.04	.08	.02					.76		T	T			T		.04	.75	.06		.02	.03			1.24	.28			T
241C	LONG BEACH	A			T	.08	.09					.58	.15	.18						.26	.34								.07	.32	.30						.67	.23	.05		
256C	POMONA	V			T			.17					.53	.31	.06						.36	.48							.02	.15	.19		.04		.01		.08	.72	.05		
283C	CRYSTAL LAKE	E		.03	.03	T	.12	.72				1.38	.56	.05		.10					1.46							.07	.36	1.19	.06						1.27	.44			.06
321–E	PINE CANYON	C					.12	.45			.06	.65	.63		.01	.04	.02	.01			1.05	.23							.55	1.29	.09						.26			.02	.10
425B–E	SAN GABRIEL DAM	E			T	T	.04	.46		.01		.78	.87		.03						1.27		T					.15	.16	1.06	.04		.02	.01			1.54	.11			
440C	CHILAO	B	.04	T	T		.27	.40	T			.21	.89	.30	.13	.02					.41	.53							.10	.30	.03						.46	.49			
455B	LANCASTER	E					.22	.10				.09	.16								1.00								.06								.04				
478	VALYERMO	V	.02			.06		.30				.17			.03						.48	1.70								.02							.04	.02			
610B	PASADENA	C					.08	.39				1.42	.54	.01	.07	.01					.70							.09	.17	.64	.09		.01	T			.65	.16		.01	
634C	SANTA MONICA	D			.07	T	–	.41				.78	.31		.18						.25	.01							.01	* –	– 1.80		.01				.82			.03	
716	LOS ANGELES	E					.08	.25				.80	.49		.02	.03					.46								.02	.24	.88	.04	.02	.01			.79	.05	T		

STA. NO.	STATION		JANUARY 1	7	8	15	16	19	20	24	FEBRUARY 5	6	7	27	28	MARCH 5	6	7	8	9	10	11	12	13	14	15	16	24	25	31
6	TOPANGA	E		.63						.22	.12	.32				T	T	.35						.29		.10			2.03
15B	VAN NUYS	B		.42						.21		.11	.15					.15						.20		.22			.20
32C	NEWHALL	C		.15						.06	.01	.05					.02	.12						.10		.29			.88
33A–E	PACOIMA DAM	E		.31						.41	.07	.05					.04	.16	.69			T		.18		.32			.62
57B–E	OPID'S	E		1.06			T			.38		1.45						.28				.06		.49	.06	.15		T	1.14
85G	MT. BALDY	B		.78	.21			.02		.43		.61	.67					.10	.18			.06	.03	.93	.02	.17	.14		.06	
106D	WHITTIER	E		.19						.46		.39						.59				.39	.03	.49		.35			.84
130B	SANDBERG'S	C	.06	.07			T	.01	.06	.07	.02			.04		.06	.02	.04	.34	.10	.08	.02	.02		.06	.04			.93
185	GLENDORA	E		.61		T		T		.55	.03	.34			T			.15				T	T	.43		.19	T		.82
241C	LONG BEACH	A		.27						.35		.37						.15						.02	.31		.42		
256C	POMONA	V		.23						.50		.13	.41						.30				.04	.65		.34	.02		
283C	CRYSTAL LAKE	E		.76						.48	.06	1.30					T	.30	T		.02	.05	.13	.34		.17			1.15
321E	PINE CANYON	C		.23						.25		.31					.02		.06			.03		T	.01	.08			.63
425B–E	SAN GABRIEL DAM	E		.82			T		T	.47	.03	1.13						.16				.43	.03	.76		.12		T	.83
440C	CHILAO	B		.19	.09					.20		.37	.28					.03	.22					.06	.28	T	.01	.03		
455B	LANCASTER	E		.20						.04										.02		.02					.03			.27
478	VALYERMO	V		.05						.07		.03								.08			.01	.01						.77
610B	PASADENA	C		.41	.04					.41	T	.48						.15	.01			.07	T	.37		.26	T		.61
634C	SANTA MONICA	D		.22						.35	.14	.30					T	.47				.01	T	.75		.07			1.28
716	LOS ANGELES	E		.49						.35	.05	.18						.07					.08	1.15		.22	.02		.84

STA. NO.	STATION		APRIL 1	2	3	4	5	6	7	8	9	10	11	12	13	14	MAY 1	2	3	4	7	9	10	11	12	13	23	24	25	31
6	TOPANGA	E	2.03	.64	1.12	.39	.03			1.42	1.45	.87		.10	.10							T						T		T
15B	VAN NUYS	B	1.55	.70	.58	.72	.04		.02	.40	1.90	1.00			.31															
32C	NEWHALL	C	1.80	1.73	.66	.55	.02		.01	1.78	.96	.26			.02															
33A–E	PACOIMA DAM	E	1.11	.56	.52	.79	.13	T	.10	1.67	1.37	.34	.09	T	.18															
57B–E	OPID'S	E	2.96	2.77	.87	.25	.08		.21	2.81	2.12	.81	.42	.19	.11			T						T	T					
85G	MT. BALDY	B	2.25	2.73	.82	.57	.11		.12	1.05	1.62	2.30	.40	.25	.02	.13			T								.08		.01	
106D	WHITTIER	E	1.25	.38	.74	.28				1.19	.90	.83		.08	.06															
130B	SANDBERG'S	C	1.30	.52	1.34	.97	T	–	–	1.19	.24	.07	.03	.02													T		T	
185	GLENDORA	E	2.24	.69	.98	.18	.02		.15	1.39	1.14	1.17	.03	.02	.01			T						T				.05		.10
241C	LONG BEACH	A	1.29	.52	.55	.66				.22	.92	.37		.30																
256C	POMONA	V	1.85	.70	1.05	.58	.06		.06	.43	1.01	1.39			.15															
283C	CRYSTAL LAKE	E	3.40	2.86	1.08	.25			.27	1.80	1.50*	1.00	.16	.05																
321–E	PINE CANYON	C	.98	2.01	1.20	.46	.03		.06	1.32	.96	.52	.01	.15	T															
425B–E	SAN GABRIEL DAM	E	3.09	.82	.89	.42	.03		.25	1.80	1.20	1.06	.11	T	.03			T					T			T		.04		T
440C	CHILAO	B	2.40	2.61	.77	.43	.03		.08	.98	1.21	1.44	.10	.28	.03		.02			T										
455B	LANCASTER	E	.96		.60			.07		.22	.35	.31																		
478	VALYERMO	V	.11	.34	.73	.04				.55	.14	.60	.03	.40																
610B	PASADENA	C	1.13	.55	.85	.37	.01		.15	1.58	.83	1.26		.07	.03				T									.06		.09
634C	SANTA MONICA	D	1.19	.21	–	1.31			.02	1.06	.52	1.21		.11	.04															
716	LOS ANGELES	E	.46	.62	.73	.61	.03		.05	1.60	.92	.97			.16															

STA. NO.	STATION		JUNE 1	2	3	4	8	14	15	16	17	25	27	JULY 12	16	17	18	19	25	29	30	AUGUST 11	12	13	15	16	17	SEPTEMBER 4	5	6	7	13	15	16	17	18	19	20
6	TOPANGA	E													.10															.18	.05		.05					.05	
15B	VAN NUYS	B	.01									.02										.22	.12							.07								.26	
32C	NEWHALL	C	.02																			.16	.14						T	.12							.25	.44	
33A–E	PACOIMA DAM	E	T				.02					.04			.01							.16	.02						.14	.81				T	.07	.70	.26	
57B–E	OPID'S	E			.07		T			T												.50	.02	.20		.16			.03	.73			.15		.12	.14	.39	
85G	MT. BALDY	B		.02	.11	T				.03							T	.11				.10		.22						.49					.04	.01	.33	.04
106D	WHITTIER	E										T										.01	T						.07	.20						.70	.04	
130B	SANDBERG'S	C	T		.01																	.42	.16	.04		.04	.03		T	.07							.47	
185	GLENDORA	E	T	.08			.02	T	.02	T		.07										.30	T						T	.52			.01	.13	.13	.18	
241C	LONG BEACH	A	T																				.02	.01							.08					.25	
256C	POMONA	V											.02									.47													.08	.28	
283C	CRYSTAL LAKE	E																				.06				.03	.38			.64					.24	.29	.56	
321E	PINE CANYON	C	T									T		T								.17	.14	.08			.32			.17							.54	
425B–E	SAN GABRIEL DAM	E			.21		T			T		.05			T							.14	T	T	T		T			.58					.04	.11	.12	
440C	CHILAO	B														.49					T	.12	.12	.13			.02			.30					T	.07	.61	
455B	LANCASTER	E													.22							.10	.35													.15		
478	VALYERMO	V																				.22			.11		.29	.24									.33	
610B	PASADENA	C			.02		T				.03		.04		.03							.04	.04	.03						.02	.50				.20	.16	.36	
634C	SANTA MONICA	D	T								T	.02			.03	T				T		.02	.10						.01	.03	.01							
716	LOS ANGELES	E	.01										T								T		.01	T							.26			.06		1.45		

LEGEND

A – – – – – – 7:00 A.M. GAGE READING
B – – – – – – 8:00 A.M. GAGE READING
C – – – – – – 4:00 P.M. GAGE READING
D – – – – – – 4:30 P.M. GAGE READING
E – – – – – – 5:00 P.M. GAGE READING
F – – – – – – MIDNIGHT GAGE READING
V – – – – – – READINGS AT VARIOUS TIMES

STANDARD TIME – CLOCK RETARDED ONE HOUR OCTOBER 25, 1964
DAYLIGHT SAVING TIME – CLOCK ADVANCED ONE HOUR STARTING APRIL 25, 1965
NOTE: FOR MONTHLY AND SEASONAL TOTALS SEE TABLE VII
NO RAINFALL ON DATES NOT SHOWN
INDICATES PERIOD OF TOTAL FOLLOWING
ESTIMATE - 10% OF TOTAL
ESTIMATE + 10% OF TOTAL

TABLE VI

SUMMARY OF MONTHLY RAINFALL IN INCHES

SEASON 1963–64

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
2B	ESCONDIDO CANYON	1.20	4.17	.05	1.74	0	2.70	.68	T	.27	0	0	.02	10.83
3B	SEMINOLE HOT SPRINGS	.82	3.46	.07	3.84	T	2.89	.98	.09	.17*	0	0	.04	12.33**
4B	MALIBU LAKESIDE	.86	4.32	.05	4.27	0	2.98	.93	0	.12	0	0	0	13.53
5B	CALABASAS	.51	3.46	0	2.50	0	1.97	1.33	.06	.08	0	0	0	9.91
6	TOPANGA PATROL STATION	.60	4.52	.01	3.54	0	3.05	1.11	0	.16	0	0	0	12.99
9B	LINDOMAR NURSERY – SEPULVEDA & RAYEN	.55*	3.65	0	1.53	0	1.40**	1.72	0	.20*	0	0	0	9.05**
10	BEL AIR HOTEL	.70	3.46	.01	2.02	0	2.07	.73*	0	.49	0	.01	0	9.49**
11C	UPPER FRANKLIN CANYON RESERVOIR	.89	3.11	.03	2.65	0	2.41	.78	0	.46	0	T	0	10.33
12	FRANKLIN CANYON – MULHOLLAND HIGHWAY	.89*	2.92	.03*	2.80	0	2.19	1.06	0	.36	0	0	0	10.25**
13B	NORTH HOLLYWOOD – BLIX	.70	2.30	.03	2.54	0	1.94	1.22	.04	.15	0	.01	0	8.93
14B	ROSCOE–MERRILL	.70	2.26	.01	2.04	T	1.60	1.59	.21	.27	T	T	T	8.68
15B	VAN NUYS	.45	2.64	.02	2.19	0	1.57	.94	.02	.13	0	T	0	7.96
17	SEPULVEDA AND MULLHOLLAND HIGHWAY	.71	3.06*	0	2.91	T	2.41**	.86	0	.10	0	0	0	10.07**
20B	GIRARD RESERVOIR	.47	3.20	.01	2.58	0	1.48	1.86	T	.07	0	T	T	9.67
21	BRANT RANCHO – GIRARD	.46*	3.04*	0	1.73**	0	1.85**	1.54**	.07*	.05	0	0	0	8.74*
23–E	CHATSWORTH RESERVOIR	.60	3.16	.02	1.56	T	1.49	1.36	T	.14	0	T	T	8.33
24D	CHATSWORTH	.63	3.55	0	1.50	0	2.30	2.16	0	.15	0	0	0	10.29
25C	NORTHRIDGE – LOS ANGELES DEPT. WATER AND POWER	.68	3.09	.01	1.69	0	1.32	1.76	T	.16	0	.02	T	8.73
27B	PACOIMA – RADDATZ RANCH	.55	3.31	.02	1.92	0	1.78	1.46	.02	.24	0	0	0	9.30
28F	SAN FERNANDO	.49	3.22	.05	2.75	T	2.71	1.85	.06	.23	0	T	T	13.36
29C	GRANADA HILLS	.56	3.69	.02	2.16	0	2.39	2.30	.12*	.32	0	0	0	11.56**
30B	SYLMAR	.52	3.28	0	2.90	0	2.54	2.10**	.20	.30	0	0	0	11.84**
31	ORCUTT RANCH	.91	5.03	.04	3.43	0	2.76	2.49	.08	.36	0	0	0	15.10
32C	NEWHALL – SOLEDAD DIVISION HEADQUARTERS	.43	1.95	.01	2.51	0	1.60	2.05	.03	.10	0	0	0	8.68
33A–E	PACOIMA DAM	.99	3.19	.06	3.09	T	3.02	1.91	.06	.31	0	T	T	12.63
39B	SUNSET DAM	1.15	1.59	.06	3.07	0	2.11	1.08	.22	.42	0	0	0	9.70
42C	REDONDO BEACH CITY HALL	.33	2.07	0	.55	0	1.09	.30	.05	.26	0	0	0	4.65
43D	PALOS VERDES ESTATES	.41	1.69	0	.68	0	.94	.18	.04	.18	T	0	T	4.12
44A	POINT VICENTE LIGHTHOUSE	.41	1.74	0	.40	0	.92	.13	0	.28	.01	0	.01	3.90
46D–E	BIG TUJUNGA DAM	.52	3.28	.05	4.47	.11	3.10	2.58	.74	.12	0	0	0	14.97
47D	CLEAR CREEK – CITY SCHOOL	.75	4.35	.05	4.66	.11	4.74	3.88	.45	.26	0	0	0	19.25
48B	OAK WILDE	.72	3.37	T	2.19	T	3.00	2.75	.70	.25	0	T	0	12.98
50B	LA CANADA – ARROYO SECO	1.01	2.49	.23	2.98	.01	3.03	1.54	.12	.41	0	T	.02	11.84
51	FALLING SPRINGS	1.22	3.85	.13	4.02	.34	2.85	4.46	.94	.56	.10	0	0	18.47
52C	WATERMAN GUARD STATION	.82	3.54	.03	4.47	.14	4.31	3.97	.83	.15	0	0	0	18.26
53D	COLBY'S	.62	4.10	.05	3.42	.19	2.59	3.24	.73	.17	0	0	0	15.11
54C	LOOMIS RANCH	.54	2.14	.05	1.45	.20	1.71	1.63	.52	.04	0	0	0	8.28
57B–E	OPID'S (CAMP HI–HILL)	.88	4.88	.06	5.39	.25	5.08	4.47	1.32	.29	T	0	0	22.62
58	STURTEVANT CAMP	1.13	4.41	.04	5.99	.21	3.66	5.34	.58	.54	0	0	0	21.90
60A	HOEGEE'S	1.01	4.08	.05	5.05	.26	4.99	5.63	.53	.50	T	0	0	22.10
63C–E	SANTA ANITA DAM	.99	3.37	.01	3.42	.14	3.55	3.38	.24	.46	T	0	.03	15.59
66	SIERRA MADRE – PEGLAR RANCH	.93	2.99	0	3.23	.08	2.83	2.26	.21	.39	0	0	0	12.92
67F	MONROVIA – NEWS POST	.41	2.78	0	3.28	.19	2.79	2.56	0	.34	0	0	0	12.35
68B	SAWPIT DAM	.89	3.00	T	3.81	.10	3.61	3.38	.26	.55	T	0	.04	15.64
70D	ROGER'S CANYON	.68	2.61	0	3.74	.19	3.57	2.18	.40	.39	T	T	T	13.76
75	GLENDORA – ENGLEWILD RANCH	.62	3.06	0	3.50	.24	3.57	2.43	.43	.31	.02	.01	.04	14.25
76B	SAN GABRIEL DAM CAMP	.60	3.15	.02	3.82	.35	3.49	3.30	.32	.34	.03	T	0	15.42
80B	PRAIRIE FORK	.78	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.	.26	0	0	INC.
81B	VINCENT GAP	.77	4.90	.47	4.17	.64	5.08	3.56	2.06	.77	0	0	0	22.42
82F	TABLE MOUNTAIN	.88	3.34	.26	1.61	.48	3.28	1.00	.38	.10	.23	.03	0	11.59
83B	BIG PINES RECREATION PARK	1.19	3.39	.30	3.02	.63	2.87	2.42	1.29	.20	.33	T	0	15.64
85G	MT. BALDY GUARD STATION	1.56	5.05	.10	3.98	.49	4.33	5.38	1.54	.61	.21	0	0	23.25
87B	SAN DIMAS GUARD STATION	.62	2.63	.02	3.17	.07	4.06	2.78	.55	.46	0	0	0	14.36
89B–E	SAN DIMAS DAM	.62	2.81	T	2.90	.17	3.49	2.63	.52	.54	0	0	.02	13.70
90	ELDER RANCH	.60	2.68	0	3.05	.47	3.10	2.66	.49	.50	0	0	0	13.55
91	INDIAN HILL – CLAREMONT	.35	2.63	0	2.37	.35	3.05	1.98	.47	.24	0	0	0	11.44
92	CLAREMONT – POMONA COLLEGE	.25	2.52	0	2.51	.40	2.86	1.41	.30	.08	T	0	.02	10.35
93B	CLAREMONT – FIRE STATION	.24	2.60	0	2.28	.36	2.75	1.44	.24	.21	T	0	0	10.12
95	SAN DIMAS – FIRE WARDEN	.40	2.50	T	2.51	.15	2.58	1.57	.08	.31	0	0	.10	10.20
96B–E	PUDDINGSTONE DAM	.26	2.20	0	2.20	.15	2.69	1.30	.05	.35	0	T	.02	9.22
99B	AZUSA – FOOTHILL RANCH	.40	2.70	0	3.00	.10	3.19	1.69	.20	.26	0	0	0	11.54
101C	WEST COVINA	.46	2.92*	0	1.16	.01	2.53**	.84*	0	.28	0	0	0	8.20*
102C	WALNUT – PATROL STATION	.47	2.92	0	1.52	.05	1.92	.68	.06	.59	0	0	0	8.21
106D	WHITTIER CITY HALL	.92	2.68	0	1.21	0	1.95	.53	.04	.21	0	0	0	7.54
107C	DOWNEY – FIRE DEPARTMENT	.71	2.97	0	1.06	T	1.52	.48	0	.12	0	0	0	6.86
108D	EL MONTE FIRE STATION	1.10	2.95	0	1.67	0	2.15	.70	0	.30	0	0	0	8.87
109D	WEST ARCADIA	.91	4.03	0	2.58	.03	2.78**	1.71	.01	.30	0	0	0	12.35**
110B	ALHAMBRA	1.35	2.70	0	2.24	T	2.30	1.17	.04	.28	0	0	0	10.08
111	SOUTH PASADENA – CITY HALL	1.37	2.33	0	2.32	0	2.76	.84	.01	.20	0	0	0	9.83
116D	INGLEWOOD – FIRE STATION	.52	2.45	0	1.71	0	1.18	.22	0	.40	T	0	0	6.48
117F	COMPTON – FIRE STATION	.33	3.18	0	1.11	0	1.48	.65	.03	.07	0	0	0	6.85
118C	WILMINGTON	.25	3.40	0	.72	0	1.31	.36*	0	.27	0	0	.04	6.35**
119F	SAWTELLE – SOLDIER'S HOME	.71	2.63	0	1.35	0	1.61*	.75	0	.37	0	.01	0	7.43**
120	VINCENT PATROL STATION	.53	1.36	.17	.85	.01	1.00	.28	.18	0	0	0	0	4.40
122F	LEONIS VALLEY – RITTER RANCH	1.39	1.87	.12	3.04	.07	1.97	1.25	.95	.25	0	0	0	10.91
124B–E	BOUQUET CANYON RESERVOIR	1.12	2.62	0	2.37	.11	2.21	1.86	.57	.09	0	0	.03	10.98
125B	SAN FRANCISQUITO CANYON POWER HOUSE NO. 1 (SAUGUS)	.91	3.13	0	2.42	.05	2.00	1.99	.67	.12	0	0	.03	11.32
126B	VENICE – FIRE STATION	.47	3.15	0	1.68	0	1.23	.36	0	.27*	0	0	0	7.16**
127B–E	DRY CANYON RESERVOIR	.34	1.86	T	1.36	T	1.27	1.78	.26	.08	0	.01	.02	6.93
128B	ELIZABETH LAKE CANYON	1.00	5.10	0	3.38	.15	2.60	1.25	1.20	.30	0	T	0	14.98
130B	SANDBERG – QUAIL LAKE PATROL STATION	2.36	3.23**	.13	1.05	.47	1.88	1.16	.82	T	0	T	0	11.10**
134	SAN DIMAS – STEVENS	.42	2.61	0	2.79	.30	2.88	1.86	.27	.32	0	0	0	11.45
135	NORWALK	.68	2.47	0	1.13	.05	1.70	.37	.08	.17	0	0	0	6.65
139B	LOS ANGELES WATER DEPARTMENT	.64	2.60	0	1.55	0	1.54	.66	T	.35	T	.01	T	7.34
140C	SAWTELLE	.55	3.60	T	1.35	T	1.90	.60	0	.45	0	.05	0	8.50
143B	AZUSA – CITY PARK	.42	2.67	0	3.10	.09	2.74	2.06	.16	.27	0	0	0	11.51
144	SIERRA MADRE DAM	1.05	3.04	0	3.92	.09	3.42	3.97	.20	.41	0	0	.03	16.13
155B	LITTLE ROCK CREEK	.84	1.44	.07	1.05	.12	.91	.25	.32	0	T	T	0	5.01
156	LA MIRADA – STANDARD OIL CO.	.48	2.56	0	1.01	.06	1.36	.21	0	.21	0	0	0	5.89
157B	EL SEGUNDO – STANDARD OIL CO.	.50	2.58	0	1.30	0	1.29	.25	.03	.30	0	0	0	6.25
158	TANBARK FLATS	.57	3.07	.05	3.56	.17	3.52	3.36	.49	.42	.11	T	T	15.32
167B	ARCADIA PUMPING PLANT NO. 1	1.58	3.32	0	3.23	0	2.79	2.41	.27	.35	0	0	0	13.95
169-E	SIERRA MADRE PUMPING PLANT	1.02	3.10	0	3.31	.07	2.60	2.80	.22	.45	T	0	T	13.57
170D	POTRERO HEIGHTS	1.10	2.75	0	1.68	0	1.98	.60	0	.25*	0	0	0	8.36**
172B	DUARTE	.69	2.80	0	2.92	.13	3.30	1.56	.08	.28	T	0	0	11.76
174	GLENDORA – WARREN	.91*	3.29*	0	2.71	.12*	2.77**	2.14**	.27*	.32	0	T	.05	12.58*
175B	LA CANADA IRRIGATION DISTRICT	1.26	3.41	0	3.40	0	2.78	2.57	.52	.52	0	.02	.02	14.50
176	ALTADENA – RUBIO CANYON	1.24	2.69	T	2.91	.03	2.91	1.77	.19	.34	0	.02	.02	12.12
177F	LA CANADA – AP ROBERTS	1.43	3.10	0	3.19	0	2.97**	1.68	.13	.11	0	0	0	12.61**
178C	AZUSA VALLEY WATER COMPANY	.42	3.39	0	2.17	.10	2.58	1.43	0	.23	0	0	T	10.32
179G	BAILEY DEBRIS DAM	1.09	2.89	0	3.62	.05	3.35	3.25	.18	.42	0	0	0	14.85
185	GLENDORA – WEST	.53	2.79	.03	3.05	.16	3.08	1.94	.32	.24	T	T	.02	12.16
190B	RANCHO SOMBRERO	.75	3.69	.01	3.32	0	3.07	2.09	.10	.36	0	.02	0	13.41
191B	LOS ANGELES – ALCAZAR	.68	3.04	0	1.79	T	1.78	.78	T	.28	T	0	0	8.35
192C	BELL – FIRE STATION	.70	2.99	0	1.36	0	1.57	.67	0	.23	0	0	0	7.52
193B	COVINA NO. 2 – TEMPLE	.39	3.11*	0	1.94	.10	2.49	1.32*	.04*	.30	0	T	T	9.69*
196B	LA VERNE – POLICE DEPARTMENT	.29	2.66	0	2.12	.29	2.67	1.82	.09	.28	0	0	.03	10.45
198B	BRAND DEBRIS BASIN	1.06	1.94	.06	2.58	0	2.27	.82	.08*	.30*	0	0	0	9.11**
199C	HUNTINGTON PARK – CITY YARD	.74	2.70	0	1.23	0	1.37	.59	0	.23	0	0	0	6.86
200	SAUGUS – S.C.E. CO. SUBSTATION	.31	1.40	T	1.39	.01	1.20	1.13	.17	.01	0	0	0	5.62
201B	PUENTE HILLS – ALTA MIRA RANCH	1.60	3.55	0	1.78	0	2.00	.78	.04	.36	0	0	0	10.11
208B	ARTESIA	1.13	2.78	0	.85	0	1.19	.25	.08	.20	0	0	0	6.48
210B	BRAND PARK	1.26	2.53	.02	2.56	0	2.46	.96	.08	.31	0	0	0	10.18
213F	LOS ANGELES – HANCOCK PARK	.82	3.13	0	1.40	0	1.61	.37	T	.45	0	0	0	7.78
215F	BELLFLOWER – MC CLURG	.82	3.11	0	.91	0	1.38	.39	.02	.20	0	0	0	6.83
216	GLENDALE – JONES	1.11	2.18	.04	2.21	T	2.29	1.65	.05	.25	0	0	0	9.78
219	PACOIMA WAREHOUSE – COUNTY FORESTRY	.47	3.08	.03	2.03	0	1.98	1.39	.07	.19	0	0	0	9.24
222C	LANKERSHIM PUMPING PLANT	.71	2.22	T	2.16	0	1.38	1.30	T	.22	0	T	0	7.99
223B–E	BIG DALTON DAM	.78	2.83	.06	3.13	.11	3.71	3.20	.54	.57	T	.01	.08	15.02
224B	LONG BEACH – ALAMITOS LAND COMPANY	.48	3.59	0	.37	0	1.05	.46	.08	.12	0	0	0	6.15

TABLE VI (Continued)

SUMMARY OF MONTHLY RAINFALL IN INCHES

SEASON 1963–64

STA. NO.		OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
225	MONTANA RANCH	.53	2.03	0	1.12	0	1.05*	.47**	.09	.15	0	0	0	5.44**
226B	BURBANK FIRE STATION	.99	1.83	.04	2.55	T	2.50	.37	.06	.25	0	0	0	8.59
227D	SAN GABRIEL – BRUINGTON	1.44	2.67*	0	2.23	.01	2.42	1.24	.09	.20	0	0	0	10.30**
228B	BEVERLY HILLS – CITY HALL	.85	3.48	T	1.68	0	1.79	.46	0	.43	0	T	0	8.69
235C	HENNIGER FLATS	1.12	2.78	.02	3.91	.07	3.21	3.34	.19	.42	T	.01	.03	15.10
237C–E	STONE CANYON RESERVOIR	.69	4.05	T	2.64	0	2.14	1.33	.01	.45	0	.01	T	11.32
238	HOLLYWOOD DAM	.67	3.07	.01	1.93	0	1.86	.88	0	.47	0	0	0	8.89
241C	LONG BEACH CITY HALL	.52	3.26	0	.59	0	1.16	.56	.05	.16	0	0	T	6.30
245B	CULVER CITY – BUS YARD	.63	2.66	0	1.54	0	1.74	.37	T	.45	0	T	0	7.41
250D	ACTON CAMP	.45	1.42	.08	1.35	.07	1.10	.60	.34	0	0	0	0	5.41
251	LA CRESCENTA	1.26	4.35	.05	3.34	.01*	2.92	1.90	.62	.40	0	.04	0	14.89**
254B	LA PUENTE – ROWLAND RANCH	.44	3.83	0	1.82	T	1.99*	.74*	.10	.38	0	0	T	9.30*
255D	MOUNT SAN ANTONIO COLLEGE – SPADRA	.38	2.97	0	1.78	.14	2.12	1.52	.05	.40	0	0	0	9.36
256C	POMONA – FIRE STATION	.25*	3.14	0	2.14	.08	2.08**	1.42*	.12	.26	T	0	0	9.49**
257	GRIFFITH PARK NURSERY	.71	2.86	.01	1.79	0	2.12	1.16	0	.35	0	0	0	9.00
259C	CHATSWORTH PATROL STATION	.76	3.79	.04	2.31	0	2.31	1.55	0	.19	0	0	0	10.95
261B–E	ACTON – ESCONDIDO CANYON	.50	1.50	.06	1.04	.02	1.56	.70	.17	T	0	0	T	5.57
263F	POMONA – RIVERA	.81	2.13	0	1.79	.21	2.20**	.87*	.10	.27	0	0	0	8.38**
264B	SAND CANYON – PLACERITA CANYON	.63	2.66	0	3.96	0	3.87	2.57	.09	.19	0	0	0	13.97
265D	PUENTE HILLS – WEISEL RANCH	1.42	2.63	0	1.22	.37	2.07	.47	.06	.30	0	0	0	8.54
266C	EAST WHITTIER	.77	2.25	0	1.09	0	1.76	.46	.04*	.21	0	0	0	6.58**
269C	DIAMOND BAR HORSE CAMP	.33	3.16	0	1.44	.05	1.90	.89	.10	.31	0	0	0	8.18
270C	COUNTY FARM – RANCHO LOS AMIGOS	.69	2.56	0	1.19	.04	1.16	.41	0	.13	0	0	.01	6.19
272D	LOS ANGELES – HEADWORKS PUMPING PLANT	1.17	2.71	.03	2.59	0	2.35	.99	0	.26	0	0	0	10.10
273D	SAN PEDRO HILLS – MC CARRELL	.55	2.92	0	.91	0	1.16	.45*	0	.34	0	0	0	6.33**
274B	ACTON – HUBBARD	1.26	2.40	.55	1.02	.03	2.15	.97	.27	0	0	0	0	8.65
275	SAN MARINO – HUNTINGTON LIBRARY	1.02	2.28	0	2.40	.02	3.14	.41	0	.25	T	0	0	9.52
277	SAWMILL MOUNTAIN RANCH	2.13	3.94	.10	2.67	.02	1.89	1.52	.80	0	0	0	0	13.17
278B	LOS ANGELES – CLARK MEMORIAL LIBRARY	.77	2.39	0	1.63	0	1.58	.46	0	.44	0	0	0	7.27
280B	FLINTRIDGE FIRE STATION	1.06	2.44	.08	2.86	.01	2.93	1.37	.13	.26	0	0	0	11.14
283C	CRYSTAL LAKE	1.52	3.95	.05	4.25	.25	3.48	4.40	1.41	.63	T	0	0	19.94
284D	PLACERITA CANYON	.80	2.59*	0	2.56	0	1.60	1.98	.02	0	0	0	0	9.55**
285C	MOUNT ST. MARY'S COLLEGE	.71	4.18	0	2.44	0	2.80	1.10	0	.27	0	0	0	11.50
287	GLENDORA – IRRIGATING COMPANY	.44	2.60	.02	3.17	.12	3.02	1.65	.10	.17	T	0	.03*	11.32**
289	LAGUNA-BELL – S.C.E. CO. SUBSTATION	.62	2.80	0	1.49*	0	1.60	.52	0	.18	0	0	0	7.21**
290B	MONTEREY PARK – FIRE STATION	.72	2.59	0	1.72	0	1.46	.76	0	.31	0	0	0	7.56
291	LOS ANGELES – 96TH AND CENTRAL	.46	2.90	0	1.38	0	1.52	.33	.02	.35	0	0	0	6.96
292D–E	ENCINO RESERVOIR	.52	3.05	.03	3.51	0	1.65	1.45	0	.06	0	T	0	10.27
293–E	VAN NORMAN LAKE – LOWER DAM	.49	3.55	0	2.63	T	2.30	2.70	.12	.54	0	T	0	12.13
294B	SIERRA MADRE – MIRA MONTE PUMPING PLANT	1.04	3.61	0	3.79	.09	2.93	4.11	.22	.48	0	0	.07	16.34
295G	GLENDALE – STAPENHORST	.95	2.34	.03	2.10	T	2.47	1.26	.01	.24	T	0	T	9.40
298B	GORMAN	1.62	4.08	.34	.99	.33	1.26	1.50	.75	0	0	0	0	10.88
299D	LITTLE ROCK	1.41	.92	.12	.55	.10	.66	.11	.40	0	0	.03	0	4.30
303F	PASADENA – CAL TECH	1.10	2.73	T	2.85	.02	2.84	1.31	.02	.25	0	T	0	11.12
304	SAWPIT CANYON – DEER PARK	.86	3.67	0	4.11	.22	4.17	4.49	.38	.72	0	0	T	18.62
306F	TRANCAS BEACH	1.14*	3.13	0	1.05	0	2.15	.43	0	.21	0	0	.04*	8.15*
311b	PASADENA METEOROLOGICAL STATION	.88	2.29	.02	2.62	.01	2.38	1.30	.10	.34	0	0	T	9.85
312B	AZUSA PLANT – GLENDORA IRRIGATING COMPANY	.44	2.54	0	3.52	.08	3.46	2.43	.25	.32	T	0	T	13.04
318B	JACKSON LAKE – BIG PINES	1.15	2.17	.25	1.50*	.15	2.66*	1.78*	1.19*	.18*	0	0	T	11.03*
321–E	PINE CANYON PATROL STATION	1.79	2.99	0	2.98	.12	1.36	1.44	.96	.16	0	T	0	11.80
322	MUNZ VALLEY RANCH	1.10	1.03*	0	2.13	.30	1.56	.57	.40	0	0	.20	0	7.29**
334B–E	COGSWELL DAM	.73	3.66	0	4.89	.29	3.87	3.99	.36	.20	.02	0	0	18.01
336–E	SILVER LAKE RESERVOIR	.62	2.39	T	1.76	0	1.68	.70	0	.26	0	0	0	7.41
338A	MOUNT WILSON – OBSERVATORY	1.18	3.47	.02	4.71	.35	4.55	4.95	.63	.29	T	0	0	20.15
338B	MOUNT WILSON – AIRWAYS STATION	.98	3.11	.06	3.76	.31	3.77	4.32	.42	.21	0	0	0	16.94
339	WALNUT FRUIT GROWERS ASSOCIATION	.49	3.49	T	1.43	.06	1.74	.81	.05	.50	0	0	0	8.57
341	ALISO CANYON – BLUM RANCH	.51	1.30	.08	1.17	.09	1.20	.18	.24	0	T	0	T	4.77
342B	UPLAND – CADNUM	.39	2.60	0	2.45	.22	3.37	2.08**	.54	.19	0	0	0	11.84**
347–E	BALDWIN PARK EXPERIMENTAL STATION	.55	2.92	0	2.17	.03	2.10	1.29	.02	.23	0	0	0	9.32
349D	CAMP RINCON	.32	3.05*	0	4.37	.14	3.05**	3.43	.41	.33*	.04	0	0	15.14**
352B	LECHUZA PATROL STATION	1.20	3.29	.15	2.43	0	2.87	.71	.06	.25	0	0	0	10.96
355B	LOS ANGELES – CITY COLLEGE	.64	2.79	.01	1.55	T	1.63*	.83	T	.40	0	T	T	7.85**
356C	SPADRA – PACIFIC COLONY	.34	3.08	0	1.79	.17	2.03	.93	.10	.37	0	0	0	8.81
357	VAN NORMAN LAKE – UPPER	.58	3.48	.05	2.90	0	2.63	2.33	.08	.31	0	0	0	12.36
362B	EL MIRADOR RANCH	.96	2.40	T	2.54	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.
363C	WILSON CANYON	.89	4.34	.01	3.92	0	3.62	2.47	.12	.81	0	0	0	16.18
364	HAINES CANYON – LOWER	.62	2.71	0	3.60	0	2.66	2.07	.78	.23	0	0	0	12.67
365C	MT. LUKENS	.95	2.89	T	2.73	T	2.04	2.37	.68	.22	0	0	0	12.08
367	HAINES CANYON – UPPER	.87	3.16	0	3.88	0	2.67	2.52	.95	.25	0	0	0	14.30
372	SAN FRANCISQUITO POWER HOUSE NO. 2	.69	2.69	0	2.13	T	1.31	1.69	.40	.25	0	T	T	9.16
373B	BRIGGS TERRACE	1.46	3.67	.06	3.81	.02	3.16	2.40	.69	.57	T	.06	0	16.10
375B	GRIFFITH PARK ZOO	.71	2.63	0	1.98	0	2.44	.95	0	.35*	0	0	0	9.06**
377F	LAKE SHERWOOD ESTATES	.75	2.52	.16	3.23	0	2.94	.87	.12	.10	0	T	T	10.69
379B	SAN GABRIEL – EAST FORK	.45	3.03	0	3.70	.25	3.23**	3.11	.53	.22	.02	0	0	14.54**
386C	ZUMA CANYON – OAKLEY	1.13	4.58	.04	2.57	T	3.41	.70	.10	T	0	0	.07	13.60
387B	COVINA SEWAGE PLANT	.38	2.90	0	1.70	.07	2.29	1.20	0	.31	0	0	.01	8.86
388C	PARAMOUNT – COUNTY FIRE STATION	.55	3.34	0	1.00	.01	1.49	.48	0	.11	0	0	0	6.98
389B	GLENDORA – BROWN	.57	2.83	T	3.33	.19	3.49	1.99	.31	.27	.01	T	.02	13.01
390B–E	MORRIS DAM	.56	2.77	.04	3.94	.14	3.20	3.10	.33	.36	.03	0	0	14.47
391B	MONTEBELLO – FIRE DEPARTMENT	.42	2.88	0	1.42	0	1.54	.49	T	.03	0	0	0	6.78
394	HIGHLAND PARK – LINDSAY	1.05	2.09	0	2.29	0	2.26	.74	.01	.24	T	0	0	8.68
395B	OLIVE VIEW SANITARIUM	.65	3.65	0	3.35*	0	3.41	2.22	.10	.42	0	T	.02	13.82*
402F	CEDAR SPRING	1.31	4.18	0	2.94	.38	3.26	3.77	1.65	.28	.10	T	0	17.87
405B	SOLEDAD CANYON – ECKLES	.32	1.43	.10	1.50*	.06*	1.90	1.27	.27	0	0	0	T	6.85*
406C	WEST AZUSA	.50	3.32	0	2.30	.09	2.71	1.08	.07	.21	0	0	0	10.28
407–E	NEWHALL – U.S.F.S. HEADQUARTERS	.74	2.92	0	2.71	.02	1.98	2.92	.09	.23	0	.01	0	11.62
409	RIDGE ROUTE – STATE HIGHWAY MAINTENANCE STATION	.75	3.07	0	1.60	0	2.65	.70	.85	0	0	0	0	9.62
415	SIGNAL HILL – CITY HALL	.48	3.08	0	.68	0	1.09	.49	.07	.18	0	0	0	6.07
419B	SANTA CLARA RIDGE – MT. GLEASON	.43	2.71	.04	3.71	.09	2.56	2.13	.61	.10	0	0	0	12.38
420C	ACTON – COLOMBO RANCH	.40	1.52*	0	1.82	0	1.14	.81*	.29*	0	0	0	0	5.98*
422F	PACOIMA CANYON	.70	3.78	T	3.39	T	5.54	2.94	.17	.45	0	0	0	16.97
423A	ALISO CANYON – WAGON WHEEL RANCH	.61	3.25	.05	2.12	.14*	2.32	1.50	.87	.11	.03	0	0	11.00**
425B–E	SAN GABRIEL DAM	.57	2.94	.02	4.24	.17	3.43	3.55	.42	.36	.03	T	T	15.73
427B	DOWNEY – JORDAN	.60	2.73	0	1.91	0	1.55	.60	.02	.12	0	0	0	7.53
432	SANTA ANITA – FERN LODGE	1.03	4.00	.03	4.45	.25	4.43	3.95	.44	.37	.01	0	0	18.96
433C	FAIR OAKS DEBRIS BASIN	1.09	2.44	.02	3.10	.04	3.24	2.51	.27	.38	0	0	0	13.09
434	MALIBU – DIVISION HEADQUARTERS	.65	2.82	.04	2.44	0	2.00	.85	0	.05	0	0	0	8.85
435	MONTE NIDO	.74	4.04	.02	2.87	0	2.98	.98	.03	.33	0	T	0	11.99
436C	HANSEN DAM	.47	3.13	.03	2.23	0	2.06	1.34	.06	.24	0	0	0	9.56
437	HAMILTON BOWL – LONG BEACH	.54	2.69	0	.59	0	1.11	.52	.06	.17	0	0	0	5.68
440C	CHILAO – U.S.F.S. CAMP	.80	2.32	T	1.99	.28	1.99	3.00	.63	.04	T	0	0	11.05
441D–E	PALMDALE – COUNTY ROAD MAINTENANCE YARD	1.60	1.45**	.12	1.27	0	1.02	.47	.30	0	0	T	0	6.24**
442B	MESCAL CREEK – FORT TEJON ROAD	1.73	.66	.14	.91	.25	.37	.34	.02	0	.19	.62	0	5.23
443B	LATIGO CANYON – BEACH RANCH	1.08	4.43	.09	2.92	0	3.37	.76	.12	.22	0	0	.04	13.03
444D	SOUTH COAST BOTANIC GARDENS	.29	2.90	.01	.72	0	1.38	.40	.05	.17	0	0	.01	5.93
445B	LIVE OAK DAM	.43	2.55	0	2.77	.22	3.27	2.43	.55	.31	0	0	0	12.53
446	ALISO CANYON – OAT MT.	.71	4.51	.10	2.80	T	2.66	2.29	.24	.41	0	.05	0	13.97
447C	CARBON CANYON	.41	2.97	0	1.62	0	1.80*	.60	.03	.25	0	0	0	7.68**
449B	EATON WASH DAM	.86	2.82	0	3.17	.02	2.73	2.37	.12	.45	0	0	0	12.54
451B	CASTAIC PATROL STATION	.33	1.95	0	1.69	0	1.49	.88	.03	.25	0	0	.01	6.63
453C	DEVIL'S GATE DAM	1.05	2.57	.04	2.84	.01	3.02	1.74	.13	.38	0	T	.01	11.79
455B	LANCASTER – STATE HIGHWAY MAINTENANCE STATION	1.06	.61**	0	.81	.10	.70	.05	.27	0	0	0	0	3.60**
456	PIUTE BUTTE	.95	.87	T	.52	.16	.46	.07	.10	0	T	T	0	3.13
458	ZUMA CANYON PATROL STATION	1.14	3.10	0	1.23	0	1.85	.40	0	.23	0	0	.02	7.97
460B	PLEASANT VIEW MESA – NEAL	.86	1.63**	0	1.19	.19	.76	.72	.24	0	.15	0	0	5.74**

TABLE VI (Continued)

SUMMARY OF MONTHLY RAINFALL IN INCHES

SEASON 1963–64

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
461	BALDWIN HILLS – STANDARD OIL FIELD OFFICE	.63	2.39	0	1.60	0	1.43	.32	.17	.46	0	0	0	7.00
462B	HILLCREST COUNTRY CLUB – LOS ANGELES	.92	3.17	0	1.65	0	1.88	.80	0	.50	0	0	0	8.92
463B	MAR VISTA – SOUTHERN CALIFORNIA WATER COMPANY	.61	3.16	0	1.33**	0	1.62	.33	0	.36	0	T	0	7.41**
465C	SEPULVEDA DAM	.50	3.04	0	2.24	.08	1.58	.95	0	.11	0	0	0	8.50
466B	PACOIMA CANYON – DUTCH LOUIE CANYON	.70	3.93	0	3.23	0	5.52	2.51	.17	.35	0	0	0	16.41
468	PICKENS DEBRIS BASIN	1.33	3.82	.06	3.54	0	3.15	2.02	.44	.54	0	0	0	14.90
470	TUJUNGA – MILL CREEK	.55	2.74	.08	1.41	.29	2.13	1.54	.83	.10	0	0	0	9.67
471	LITTLE TUJUNGA – GOLD CREEK	.49	4.68	0	2.05	.09	3.27	2.09	.32	.26	0	.02	0	13.21
474B	SOUTH GATE – FIRE DEPARTMENT	.66	2.86	0	1.45	0	1.24	.52	0	.20	0	0	0	6.93
475	SAUGUS – NEWHALL LAND & FARMING COMPANY	.29	1.33	0	1.90	0	1.59**	1.38	.21	0	0	0	0	6.70**
476D	TRIUNFO CANYON	.66	2.45	0	3.01	0	2.36	.92	.05	0	0	0	0	9.45
477D	SANTA ANITA – SPRING CAMP	1.04	3.39	.02	3.80	.15	3.44	4.25	.33	.32	.01	0	0	16.75
478	VALYERMO – U.S.F.S. HEADQUARTERS	.65	1.11	.20	1.57	.21	.56	.49	.12	.0	.08	.03	0	5.02
480B	TEMPLE CITY – FIRE STATION	.75	3.26	0	2.31	.01	2.73	1.17	.12	.22	0	0	T	10.57
482	LOS ANGELES – U.S.C.	.73	2.42	0	1.55	0	1.62	.36	0	.40	0	T	0	7.08
486B	COLDWATER CANYON – WIDMAN RANCH	.86	3.98	.15	3.06	.46	4.24	4.52	1.33	.58	.30	T	T	19.48
488B	KAGEL CANYON PATROL STATION	.66	3.22	.04	2.36	0	2.10	1.66	.09	.37	0	0	0	10.50
489	COLD CREEK – STUNT'S RANCH	.68	4.15	.04	4.86	0	2.54	2.08	0	.01	0	T	T	14.36
490C	LANCASTER – PABLO RANCH	.68	.54	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	0	0	0	INC.
491B	PACIFIC PALISADES	.54	3.01	0	1.73	0	2.19	.58	.09	.26	0	0	0	8.40
492	CHILAO – STATE HIGHWAY MAINTENANCE STATION	.59	2.88	.07	2.57	.14	2.27	3.35	.65	.10	.04	0	0	13.06
497	CLAREMONT – SLAUGHTER	.38	2.68	0	2.45	.29	3.07	2.05	.42	.24	0	0	0	11.58
498	ANGELES CREST HIGHWAY – DARK CANYON TRAIL	.88	4.20	T	3.39	T	3.47	3.66	.60	.41	0	T	0	16.60
508C	ARROYO SECO – RANGER STATION	1.01	2.65	.08	2.95	.05	3.42	1.97	.19	.32	0	0	.02	12.66
517B	ANDERSEN RANCH (LEWIS RANCH)	.92	1.82	.18	1.86	.20	.78	1.25	.19	0	.15	0	0	7.35
519B	ELIZABETH LAKE	1.48	2.68	0	2.53	.20	1.44	1.64	.94	.15	0	.04	.06	11.16
542–E	FAIRMONT	1.29	2.17	T	2.86	.30	1.15	1.20	1.02	.11	0	.06	T	10.16
560B	LA VERNE HEIGHTS	.32	3.24	0	2.35	.24	3.21	2.25	.25	.27	T	0	0	12.13
564C	LLANO	1.46	.63**	.15	.76	.08	.32	.15	0	0	.07	.06	0	3.68**
565B	LONG BEACH – CITY AUTOMATIC	.52*	3.13*	0	.48	0	.92	.54*	.04	.17	0	0	T	5.80*
566	LONG BEACH NO. 1	.53	2.90	0	.84	0	1.36	.35	.04	.19*	0	0	0	6.21**
575C	LONG BEACH WEATHER BUREAU	.53	3.56	T	.72	0	1.44	.40	.06	.16	0	0	T	6.87
577F	LOS ANGELES U.S.W.B. – FEDERAL BUILDING	.57	2.15	T	1.43	T	1.79	.33	.01	.32	0	0	0	6.60
587B	SAN ANTONIO CANYON POWER HOUSE NO. 1	.73	3.50	.05	3.20	.32	3.62	3.62	.95	.47	.08	0	0	16.54
588D	MOUNT LOWE	1.11	3.52	.07	4.25	.35	4.26	4.89	.47	.24	0	0	0	19.16
593B	NEWHALL RANCH	.45	2.23	.01	2.73	0	2.19	1.40	.20	.14	0	0	0	9.35
598B	NEENACH	1.64	1.10	.07	1.01	.17	.97	.28	.25	0	0	0	0	5.49
610B	PASADENA – CITY HALL	.99	2.44	.02	2.70	.04	2.43	1.56	.03	.30	0	0	T	10.51
611C	ALTADENA GOLF COURSE	.96	2.59	.08	2.83	.05	2.49	2.10	.24	.39	0	0	0	11.58
612	PASADENA – CHLORINE PLANT	1.00	2.63	.07	2.86	.05	3.05	1.97	.21	.32	0	0	.02	12.18
613B	PASADENA – HURLBUT FIRE STATION	1.45	2.25	0	2.35	T	2.58	.95	.05	.23	0	T	0	9.86
617B	POMONA – ADAMSON	.30	3.58	0	1.98	.34	2.14	1.29	.07	.28	T	T	.01	9.99
618B	TAPO CITRUS ASSOCIATION	.42	2.60	0	1.87	0	1.22	1.26	0	.27	0	0	0	7.64
619	SAN ANTONIO CANYON – SIERRA POWER HOUSE	.88	4.38	.12	4.46	.28	4.18	4.38	.76	.39	.13	0	0	19.96
627	SAN GABRIEL CANYON – POWER HOUSE	.54	2.62	0	3.61	.17	3.64	2.25	.44	.43	.03	.02	.04	13.79
629C	SAN PEDRO U.S.W.B.	.30	2.57	T	.97	0	1.18	.55	.05	.28	0	0	0	5.90
634C	SANTA MONICA	.50	3.26	T	1.50	T	2.07	.45	.09	.25	0	0	0	8.06
662B	LONG BEACH – KEEVER AVENUE	.37	3.46	0	.70	0	1.10**	.60**	.09*	.17	0	0	T	6.49**
666C	LONG BEACH – NEECE STREET	.47	3.29	0	.95	0	1.53	.30	.04	.20	0	0	T	6.78
672	EAGLE ROCK S.C.E. CO. SUBSTATION	1.27	2.32	T	2.45	.03	2.27	1.06	.06*	.30	0	0	0	9.76**
673C	SEAL BEACH – POWER PLANT	.09	2.75	0	.73	0	.94	.47*	.04	.21	0	0	.02	5.25**
678	PASADENA – SHELDON RESERVOIR	1.00	2.58	.02	2.80	.03	2.86	1.59	.17	.36	0	0	T	11.41
679	PUENTE – NORTH WHITTIER HEIGHTS	.93	3.35	0	2.01	.03	2.08	.87	0	.44	0	0	0	9.71
680B	WESTWOOD – U.C.L.A.	.65	3.35	.03	1.58	T	1.92	.70	T	.34	T	0	T	8.57
681A	SIERRA MADRE RANGER STATION	1.05	3.35	.01*	3.42*	.15	3.94	2.83	.52	.47	0	0	T	15.74*
683	SUNSET RIDGE GUARD STATION	1.09*	2.16	.02*	2.88	.04*	3.01	2.38	.31	.33	0	0	T	12.16**
691B	SAN ANTONIO SPREADING GROUNDS	.49	2.88	0	2.65	.42	3.52	2.85	.88	.39	.04	0	0	14.12
695B	TUJUNGA CANYON – VOGEL FLAT	.32	3.89	.04	4.50	.05	4.06**	2.38*	.71*	.25	0	0	0	16.20*
703	GLENDALE – MC INTYRE	1.02	2.02	.09	2.29	0	2.50	1.06	.02	.23	0	0	0	9.17
705	ALDER CREEK – PARADISE RANCH	.48	3.32	0	2.50	T	2.70	2.35	.11	.14	0	0	0	11.60
716	LOS ANGELES – DUCOMMUN STREET	.60	2.40	0	1.66	T	1.75	.37	T	.34	T	T	T	7.12
718B	THOUSAND OAKS	.61	2.43	.10	2.19	0	1.89	.96	T	.11	0	0	T	8.29
720B	SIMI VALLEY – SUSANA KNOLLS	.86	2.50	.06	2.34	0	1.97	1.56	0	.11	0	0	0	9.40
722C	BELLEVIEW – STRATMAN	1.29	1.35	0	1.78*	T	.81	.55	.53	0	0	.08	T	6.39**
724B	BIG DALTON – MONROE CANYON	.73	2.71**	.04	3.30	.07	3.74	3.33	.48	.54	.05*	0	0	14.99**
725B	BIRMINGHAM HOSPITAL	.49	2.97	.02	1.84	0	1.37**	.92	0	.18	0	0	0	7.79**
726B	ANGELES CREST GUARD STATION	.93	3.43	T	3.78	T	3.82	3.39	.67	.45	0	T	0	16.47
727B	NEWCOMB PASS	1.05	4.98	.02	2.42	.18	3.62*	5.37*	.62	.47	T	0	0	18.73
728	PACOIMA CANYON – CITY ROAD GAGE	.68	3.97	T	4.87	0	4.12	2.14*	.48	.20	0	0	0	16.46**
730	MILLARD CANYON – DAWN MINE	.90	2.86	T	3.50	T	4.04	3.77	.43	.41	0	0	0	15.91
731	OAK GROVE HEADQUARTERS – U.S.F.S. FLOOD CONTROL	.67	2.52	T	2.76	T	3.06	1.66	.20	.26	0	0	0	11.13
732B	ROBERT'S CANYON – SAN GABRIEL WEST FORK DIVIDE	.49	4.58	.09	5.07	.46	4.18	4.13	.44	.23	0	0	0	19.61
734B	LOS ANGELES INTERNATIONAL AIRPORT	.42	2.76	T	1.49	T	1.20	.20	.01	.29	T	T	T	6.37
735D	BELL CANYON – DRY GULCH RANCH	.49	3.08	0	1.57	N.R.	N.R.	N.R.	N.R.	N.R.	0	0	.05	INC.
740B	SAN DIMAS CANYON – FERN NO. 2	1.02	3.86	.03	4.20	.19	5.08	4.15	.70	.45	.08	0	0	19.76
741	SAN DIMAS CANYON – UPPER EAST FORK	.74	2.93	.03	3.49	.11	4.18	3.37	.55	.45	.04	0	0	15.89
742C	SAN GABRIEL – FIRE DEPARTMENT	1.38	2.74	0	2.25	T	2.36	1.29	.10	.24	0	0	T	10.36
746B	MOJAVE – 2 E.S.E.	.95	.85	0	.35	.20	.01	.15	.20	0	T	0	0	2.71
747	SANDBERG – AIRWAYS STATION	2.11	2.48	.13*	.91	.21	1.61	.51	.66	0	0	T	0	8.62**
749	BURBANK – U.S.W.B.	.74	1.83	.05	2.12	T	2.18	.46	.04	.27	T	T	T	7.69
750	PALMDALE – F.A.A. AIRPORT	1.39	.24	0	.84	.02	.68	.13	.18	0	T	T	T	3.48
755	GRIFFITH PARK – LITTLE CANYON	.62	2.55	0	1.75	0	2.03	.98	0	.35*	0	0	0	8.28**
757	GRIFFITH PARK – FERN DELL	.63	2.57	0	1.71	0	2.18	.66	0	.41*	0	0	0	8.16**
759B	NICHOLS DEBRIS BASIN	.84	3.14	0	1.92	0	1.72	.76	.02	.47	0	0	0	8.87
760	STUDIO CITY – GOODLAND AVENUE	.40	2.19	0	2.60	0	2.23	.55	0	.35*	0	0	0	8.32**
762	UPPER STONE CANYON	.40	3.51	0	2.55	0	2.71	.45	0	.22*	0	0	0	9.84**
763B	SEPULVEDA CANYON – EAST FIRE ROAD NO. 19	.60	4.30	0	2.97	0	3.34	.56	0	.48*	0	0	0	12.25**
764	STONE CANYON – RIAL LANE	.43	3.73	0	2.45	0	2.71**	.51	0	.45*	0	0	0	10.28**
765B	15801 MULHOLLAND DRIVE	.49	3.50	0	2.00	0	2.12	.42	0	.46*	0	0	0	8.99**
766	MANDEVILLE FIRE ROAD NO. 24	.43	3.13	0	3.20	0	2.51	.40	0	.30*	0	0	0	9.97**
767	MANDEVILLE CANYON ROAD	.80	4.23	0	3.10	0	3.12	.58	0	.30*	0	0	0	12.13**
768	SULLIVAN CANYON – FIRE ROAD NO. 26	.61	3.47	0	3.27	0	2.96	.58	0	.26*	0	0	0	11.15**
770B	SANTA YNEZ CANYON – PASEO MIRAMAR	.38	2.42	0	1.85	0	2.15	.25	0	.21*	0	0	0	7.26**
771	RUSTIC CANYON – SANTA MONICA	.52	3.61	0	1.88	0	2.45	.44	0	.28	0	0	0	9.18**
772	LOS ANGELES – ECHO PARK AND LUCRETIA	.50	2.57	0	1.80	0	1.72	.39	0	.29*	0	0	0	7.27**
774	BARLOW SANITARIUM	.55	2.50	0	1.75	0	1.86	.27	0	.30*	0	0	0	7.23**
777	KENTER CANYON	.72	3.60	0	1.74	0	2.13	.68	0	.32*	0	0	0	9.19**
778B	SEPULVEDA CANYON – BELLAGIO ROAD	.75	4.06	0	2.20	0	2.52	1.10	0	.38*	0	0	0	11.01**
779	GRIFFITH PARK – LOWER MINERAL WELLS	.75	2.89	0	2.38	0	2.63	.64	0	.25*	0	0	0	9.54**
783	COON CANYON	.80	2.65	T	2.78	T	3.16	1.89	.25	.33	0	0	0	11.86
786	COON CANYON	.79	2.66	T	2.33	T	2.84	2.27	.36	.43	0	0	0	11.68
788	COON CANYON	.95	2.76	T	2.74	T	3.00	2.10	.30	.45	0	0	0	12.30
789	EL PRIETO CANYON	.97	2.84	T	2.87	T	3.13	2.68	.40	.44	0	T	0	13.33
793	MARKHAM SADDLE	.73	3.25	T	3.71	T	2.01	4.67	.75	.37	0	0	0	15.50
794–E	LOWER FRANKLIN RESERVOIR	.81	3.23	.02	1.66	0	1.55	.71	0	.46	0	T	T	8.44
795	PASADENA – JOURDAN	.98	4.22	.01	2.92	.02	2.85	2.50	.09	.34	0	0	T	13.92
796	ELYSIAN PARK – FIRE DEPARTMENT	.40	1.98	0	1.45	0	1.96	.29	0	.31*	0	0	0	6.39**
797	DE SOTO RESERVOIR	.62	3.47	.02	1.98	0	1.96	1.74	T	.15	0	T	.03	9.97
799	BALDWIN HILLS RESERVOIR	.67	2.34	0	1.50	0	1.38	.65	0	.44	0	0	0	6.98
801	MAGIC MOUNTAIN	.60	3.17	.05	2.76	.28	2.15	1.83	.46	.15	0	.02	0	11.47
802B–E	EAGLE ROCK RESERVOIR	1.15	1.92	.09	2.25	.01	1.94	1.30	.06	.30	0	T	0	8.96
807	ASCOT RESERVOIR	.62	2.7	0	1.77	0	2.14	.82	T	.31	T	T	0	8.41
1000	HUNT CANYON – BONES RANCH	.43	1.80	.10	.70	.05	1.34	.18	.38	0	0	0	0	4.98
1001B	WEST FORK RANGER STATION	1.09	4.79	.19	5.85	.18	4.24	5.24	.94	.28	0	0	0	22.80
1005	MINT CANYON – THE OAKS	.48	1.84	.04	1.48	.02	1.94	1.13	.20	.02	0	0	0	7.15

TABLE VI (Continued)

SUMMARY OF MONTHLY RAINFALL IN INCHES

SEASON 1963–64

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
1006	SAN PEDRO – CITY RESERVOIR	.25	2.87	0	.59	0	1.08	.63	T	.29	0	0	T	5.71
1007C	CAMP VALCREST	1.20	2.93	.10	2.83	.24	2.71	3.06	.95	.15	.07	0	0	14.24
1008–E	LA FRESA – S.C.E. CO.	.40	3.17	0	.58	0	1.32	.21	.05	.22	0	0	T	5.95
1009	MINT CANYON – DYER	.46	1.06	T	1.70	.06	1.80	1.00	.12	0	0	0	-	6.20
1010B	PALMER CANYON – FORKS	.67	3.14	0	3.02	.29	3.97	3.36	.80	.56	0	0	0	15.81
1011B	PALOS VERDES FIRE STATION	.41	2.78	0	.75	0	1.50	.12	T	.45	0	0	0	6.01
1012	CASTAIC JUNCTION	.60	1.69	0	1.57	.01	1.47	1.02	.24	.04	0	0	0	6.64
1013B	TUJUNGA CANYON ABOVE GOLD CANYON	.45	3.04	.02	2.27	.06	2.84	2.09	.28	.12	0	0	0	11.17
1014D–E	RIO HONDO SPREADING GROUNDS	.63	3.00	0	1.67	0	1.38	.46	0	.18	0	0	0	7.32
1016	PALO COMADO CANYON – AGOURA	.70	2.86	.03	1.93	0	1.63	1.02	0	.12	0	0	0	8.29
1017B	LITTLE ROCK CREEK ABOVE DAM	.63	1.27**	.17	1.24	.17	.98	.24	.44	0	.05	0	0	5.19**
1018B	SANTA SUSANA MTS. – DEVIL'S CANYON	.95	4.12	T	2.81	0	2.58*	1.78	.06	.24	0	.05	.04	12.63*
1019	SANTA SUSANA MTS. – SALT CANYON	.60	2.60	0	1.78	0	2.29	1.58	.05	.21	0	.04	.04	9.19
1020B	PADUA HILLS PATROL STATION	.61	2.85	0	2.78	.33	3.30	2.98	.90	.40	.06	.01	0	14.22
1022	HASLEY CANYON – WESTERN GULF OIL	.46	2.80	0	2.26	0	1.72	1.00	.47	.10	0	0	0	8.81
1023B	GARRAPATA CANYON – SPEER	.44	3.35	.04	3.77	0	2.22	1.29	0	.03	0	T	0	11.14
1025	MALIBU BEACH – DUNNE	.57	2.85	.02	1.17	0	2.16	.43	0	.28	0	0	0	7.48
1028C	CORRAL CANYON – CRUMP	1.21	5.98	0	2.51	0	INC.	N.I.	N.I.	N.I.	N.I	N.I.	N.I.	INC.
1029	TUJUNGA – MILL CREEK SUMMIT	.65	3.73	.25	1.84	.34	2.28*	1.90	.97	.10*	0	0	0	12.06**
1030	MT. ISLIP – LITTLE JIMMY SPRINGS	1.46	5.76	0	5.93	.24	5.49	6.40	2.84	.52	0	0	0	28.64
1031B	MT. WATERMAN	.99	2.57	.11	3.04	.31	2.68	2.98	1.29	.52	0	0	0	14.49
1035	WHITTIER – WOOD	.91	2.36	0	1.83	0	1.84	.62	.01	.25	0	0	0	7.82
1037–E	ARCADIA – ARBORETUM	.93	3.50	T	3.15	.05	2.88	2.03	.05	.35	0	0	0	12.94
1038B	MT. PACIFICO	.76	3.01	.07	2.04	.28	2.40	2.31	.73	.41	.11	0	0	12.12
1039B	LOS ANGELES – MAC QUEEN	.83	2.66	0	1.38	0	1.81	.46**	0	.47	0	0	0	7.61**
1040	POTRERO CANYON – SUNRAY DX OIL COMPANY	.35	2.04	0	2.06	.17	1.86**	.12	.06	.03	0	0	0	6.69**
1041B	SANTA FE DAM	.55	3.40	0	2.39	.02	2.29	1.15	.06	.18	0	0	0	10.04
1048B	SANTA ANITA CANYON – CHANTRY FLAT	1.10	3.80	.05	3.83	.18	3.56	4.34	.51	.45	0	0	0	17.82
1048B	LA CRESCENTA – COUNTY ROAD DEPARTMENT	1.06	3.38	T	2.94	T	2.69	1.57	.33	.30	0	T	0	12.27
1050	OLD TOPANGA CANYON – GRAY	.58	4.39	.06	3.91	0	2.79	1.38	0	0	0	0	0	13.11
1051B	CANOGA PARK – PIERCE COLLEGE	.40	3.11	.01	1.93	0	1.65	1.45	.07	.15	0	.01	.01	8.79
1052	CAMP JOSEPHO	.88	4.55	0	2.71	0	3.05	.90	.03	.27	0	0	0	12.39
1053	TUJUNGA CANYON – SOLOMON	.79	2.65	0	2.30	0	2.40	1.19*	.21*	.17*	0	0	0	7.91*
1054	VETERAN'S HOSPITAL – SAN FERNANDO	.94	3.33	0	3.20**	0	3.01	1.73	.07	.40	0	0	0	12.68
1055B	MT. BALDY NOTCH	2.10	4.90	.62	2.25	.15	4.54	4.30	1.68	.20	.30	T	0	21.04
1057B	WHITTIER NARROWS – ABOVE DAM	1.30	2.57	0	1.80	0	1.95	.72	T	.34	T	0	T	8.68
1058B	PALMDALE	1.44	1.30	.02	1.30	.02	1.13	.18	.27	0	0	0	T	5.66
1059B	SOUTH HAWKINS	1.65	4.29	.06	4.62	.27	3.78	4.78	1.53	.69	0	0	0	21.67
1060B	LITTLE ROCK – SYCAMORE CAMP	.47	2.06	.09	1.53	.21	1.35	1.09	.28	0	.15	0	0	7.23
1062	BUCKHORN FLAT	1.75	2.98	.10*	3.04	.32	2.86	3.75	1.01	.19	.05	T	T	16.05**
1063	SOLEDAD PASS	.66	1.52	.37	.98	.09	1.26	.24	.41	0	.02	.05	0	5.60
1064B	SAN GABRIEL EAST FORK – DOT MINE	.47	3.15	0	3.85	.26	3.36	3.24	.55	0	0	0	0	14.88
1066B	LONG BEACH – LEES STREET	N.R.	N.R.	N.R.	N.R.	N.R.	INC.	.50	.05*	.20	0	0	0	INC.
1067	SANTIAGO CANYON	.84	1.66	.23	1.64	.23	1.30	.32	.56	0	.06	0	0	6.88
1068	RATTLESNAKE CANYON – CAMP NO. 3	1.20	3.31	.15	3.09	0	2.99	.61	0	.27*	0	0	0	11.62**
1069	SAN GABRIEL – EAST FORK TUNNEL	.51	3.39	0	4.15	.28	3.62	3.49	.59	.44*	.13*	0	0	16.60**
1070	MANHATTAN BEACH	.67	2.50	0	.67	0	.90	.27	.10	.38	0	0	0	5.49
1071B–E	DESCANSO GARDENS	1.15	2.91	.04	3.08	0	2.99	2.00	.30	.35	0	0	.03	12.85
1072	LITTLE TUJUNGA RANGER STATION	.65	1.71	T	2.96	0	2.26	1.50*	.04	.31	0	.02	0	9.45**
1073B	PALMDALE – CIRCLE C	1.40	1.34	.06	1.11	.03	1.13	.06	.18	0	T	T	0	5.31
1074	LITTLE GLEASON	.70	5.53*	.04	2.73*	.25	2.91*	1.90*	1.11*	.15*	.02*	0	T	15.34*
1075	UPPER WOLFSKILL CANYON	.85	3.10	.04	3.04	.14	4.33	4.40	.55	.70	.07*	0	0	17.22**
1076	HIDDEN SPRINGS	.54	3.84	0	2.46	0	2.66	2.42	.48	0	T	0	0	12.40
1077B	MONROVIA – FIVE POINTS	.77	3.20	0	3.58	.11	3.02	2.97	.37	.48	0	0	0	14.50
1078	COVINA – GRIFFITH	.35	2.59	0	2.45	.17	2.42	1.18	.04	.37	0	0	0	9.57
1079	RUBIO DEBRIS BASIN	1.12	2.51	.03	2.74	.06	2.91	2.74	.24	.37	0	0	0	12.72
1080B	BRADBURY DEBRIS BASIN	.71	2.82	0	3.04	.13	3.35	1.82	.34	.35	0	0	T	12.56
1081	DEER DEBRIS BASIN	1.06	2.58	0	2.80	0	3.24	1.43	.10	.46	0	0	0	11.67
1082	DUNSMUIR DEBRIS BASIN	1.41	4.48	0	3.93	0	2.77	2.03	.64	.39	0	0	0	15.65
1083	MADDOCK DEBRIS BASIN	.74	2.70	0	3.04	.09	3.19	2.36	.30	.38	0	0	0	12.80
1085	MC CLURE DEBRIS BASIN	.92	1.59	.06	1.98	0	1.80	.77	.02	.36	0	0	0	7.50
1086	TURNBULL DEBRIS BASIN	1.09	2.64	0	1.76	0	1.84	.62	.02	.26	0	0	0	8.17
1087–E	GREEN VERDUGO PUMPING PLANT	.57	2.44	.04	2.12	0	1.85	1.50	.10	.21	0	T	0	8.83
1088B	LA HABRA HEIGHTS MUTUAL WATER COMPANY	.97	2.50	0	1.05	0	1.62	.52	.06*	.33	0	0	0	7.05**
1089D	TOPANGA CANYON OUTLET	.51	3.12	0	1.83	0	2.16	.56	.14	.24	0	0	0	8.56
1090	LOS ALAMITOS	0	3.09	0	.81	0	1.27	.45	.06	.23	0	0	0	5.91
1092	BUENA PARK	.46	2.78	0	.88	0	1.24	.41	.05	.10	0	0	0	5.92
1093–E	FULLERTON AIRPORT	.73	3.60	0	.95	0	1.27	.46	.05	.12	0	0	0	7.18
1094	BREA	0	1.98	0	1.00	.05	2.23	.14	.06	.28	0	0	0	5.76
1095	ORANGE COUNTY RESERVOIR	.97	2.82	0	.85	.06	1.73	.44	.04	.27	0	.04	0	7.24
1096	LA VIDA SPRINGS	N.R.	N.R.	N.R.	N.R.	N.R.	INC.	INC.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1099	WHITTIER – CATE	.98	2.31	0	1.83	0	1.63	.71	0	.29	0	0	0	7.75
1102B	BOBCAT CANYON – SAN GABRIEL WEST FORK	1.11*	3.07*	.07	2.66	.28	2.61*	2.78	1.09	.50	0	0	0	14.19*
1104	BOUQUET CANYON AT TEXAS CANYON FIRE CONTROL STATION	.57	1.64	0	1.66	.01	1.49	2.02	.38	0	0	0	0	7.77
1105B	FAIRMONT	1.26	1.64	.02	1.95	.03	.77	.58	.42	0	0	0	0	6.67
1106	ANTELOPE VALLEY FIELD STATION	1.00	.97	0	1.77	.16	.93	.81	.43	0	T	.15	.01	6.23
1107D	LA TUNA CANYON	.68	1.93	.04	2.00	T	2.07	.99	.21	.24	0	0	0	8.16
1108	ANAVERDE – PLATT	1.39**	1.46*	.12*	1.88	0	1.41	.53	.40*	0	0	0	0	7.19*
1109	MT. BALDY	3.14	7.32	.92	3.31	.22	6.78	6.42	2.51	.30	.25*	0	0	31.17**
1110	SCHOLL DEBRIS BASIN	1.31	1.96	0	3.51	0	3.14	1.38	.03	.46	0	0	0	11.79
1112	BEAR CANYON – SAN GABRIEL WEST FORK	1.18	3.73	.13	3.90	.33	2.76	4.33	.91	.54	0	0	0	17.81
1113	DOMINGUEZ WATER COMPANY	.22	3.15	0	.67	0	.89	.33	0	.12	0	0	0	5.38
1114B	WHITTIER NARROWS DAM	.81	2.62	0	1.66	0	1.93	.54	0	.21	0	0	0	7.77
1115	SAN ANTONIO DAM	.53	2.98	0	2.82	.42	3.53	2.73	.81	.34	.07	0	0	14.23
1116	LONG BEACH – SAN ANSELINE	.44	3.27	0	.81	0	1.22	.42	.05	.21	0	0	0	6.42
1117	PINE CANYON GUARD STATION	2.69	2.67	0	3.03	.18	1.53*	1.43*	.50	.32	0	0	0	12.35*
1118B	LAKEWOOD	N.R.	N.R.	N.R.	N.R.	INC.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1119B	ATMORE MEADOW	.88	4.49	0	2.97	.13	2.28	1.10	1.05	.26	0	0	0	13.16
1120	DAWSON SADDLE	1.20	2.93	0	3.10	.14	2.87	1.89	1.29	.26	0	0	0	13.68
1121C	BARLEY FLAT	.86	5.48	.03	2.64	.03	4.42	2.46*	.50*	.25*	0	0	0	16.67**
1122	COOKS DEBRIS BASIN	1.17	4.34	0	4.04	0	2.68	1.82	.47	.32	0	0	0	14.84
1123	CIMA MESA – FARVUE RANCH	.64	1.72	.08	1.42	.21	.91	.78	.17	0	.15	0	0	6.08
1124B	RED BOX GAP	.90	3.98	.06	4.10	.14	4.97*	3.81*	.50	.25	0	0	0	18.71*
1125	LA PUENTE	.65	3.41*	0	2.03	T	1.92	.77	.05	.25	0	0	T	9.08**
1126	L.A.W.D. – EAST VALLEY	.64	2.42	.05	1.83	0	1.25	1.38	.07	.25	0	.02	T	7.91
1127	WEST BURBANK	.90	1.98	.03	2.59	0	2.19	.49	.03	.17	0	0	0	8.38
1128	WRIGHTWOOD FIRE STATION	1.87	2.88	.21	2.02	.31	2.41	1.09	.88	.05	T	T	0	11.72
1129	NICHOLAS CANYON	1.07	2.45	.18	.52	0	1.16	.32	0	.25	0	0	.01	5.96
1130	PUZZLE SPRINGS RANCH	2.11	.74	.14	1.80	.25	1.08	.83	.04	0	.20	1.06	0	8.25
1131B	CHARTER OAK – JACKSON	.40	2.90	0	2.05	.10	2.51	1.43*	.17	.23*	0	0	0	9.79**
1132	OAK FLAT GUARD STATION	.76	3.19*	0	3.40	0	1.73	1.42	.90	T	0	0	0	11.40*
1133	FISH CANYON	.92	3.92	0	4.39	.24	4.46	4.80	.41	.77	0	0	0	19.91
1135B	LUNADA BAY	.40	1.74	T	.44	0	.71	.21	T	.31	0	0	0	3.81
1136	DUARTE FIRE STATION	.59	2.86	0	3.06	.13*	3.38	1.69	.11	.28	0	0	0	12.10**
1137B	STOUGH PARK	.92	1.48	.03	1.93	0	1.89	.62	.12	.31	0	.03	0	7.33
1138	MT. DISAPPOINTMENT	1.10	4.10	0	4.54	.21	4.05	4.13	1.00	.20	0	0	0	19.33
1140	ROSEMEAD	1.30	2.96	0	2.16	T	2.20	.78	T	.25	0	0	0	9.65
1141B	SPRING CANYON	N.I.	N.I.	N.I.	N.I.	N.I.	1.62*	1.11	.10	0	0	0	0	INC.
1142	SOLEDAD CANYON – BERMITE POWDER COMPANY	.66	.96	0	1.86	.04	1.12	1.79	.12	0	0	0	0	6.55
1143	LITTLE TUJUNGA – ABOVE GOLD CREEK	.98*	3.07	0	2.64	0	3.11*	1.51*	.04*	.31*	0	.02*	0	11.08*
1144	SAN GABRIEL – NORTH FORK	.72	3.14	0	3.71	.21	3.06	3.75	.60	.24	.11	0	0	15.54
1145	UPLAND	.48	2.69	.03	2.57	.25	3.27	2.04	.77	.18	0	0	0	12.28
1146	SANTA ANITA CANYON – HELIPORT	.96	4.16	.01	4.08	.17	3.86	3.84	.39	.36	0	0	0	17.83
1147	EL CABALLERO COUNTRY CLUB	.53	2.91	.05	3.20	0	1.87	1.56	0	.14	0	0	0	10.26
1148	SAN JOSE HILLS – GALSTER RANCH	.32	3.45	0	2.40	0	2.12	.84	0	.32	0	0	T	9.45

TABLE VI (Continued)

SUMMARY OF MONTHLY RAINFALL IN INCHES

SEASON 1963–64

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
1149	SUNLAND	.50	2.44	.08	2.26	0	3.03	1.16	.21	.17	0	0	0	9.85
1150	LOPEZ CANYON GUARD STATION	1.45	3.26	.05	2.78	0	2.45	1.78	.08*	.37*	0	0	0	12.22**
1151	BRIGDEN RESERVOIR NO. 1	1.05	2.78	.01	3.22	.02	2.53	1.97	.14	.39	0	0	T	12.11
1152	CLEAR CREEK RANGER STATION	.80	3.94	.19	4.49	0	3.90	4.61	.73	.24	0	0	0	18.90
1153	KRATKA SKI LIFT	1.97	4.36	.05*	2.99*	.37*	4.14	4.23	1.55	.08	.07*	.02	0	19.83*
1154	PALM ROCK RANCH	1.13	.86	0	.46	0	.36	.11*	.35*	0	0	0	0	3.27*
1155	LAWNDALE	.41	2.96	0	.78	0	1.20	.37	.13	.33	0	0	0	6.18
1156	LOS ANGELES – TEMPLE AND FLOWER	.66	2.65	0	1.71	0	1.87	.79	0	.32	0	0	0	8.00
1157	SAN FERNANDO VALLEY STATE COLLEGE	.65	3.07	0	1.64	0	1.47	1.47	0	.18	0	0	0	8.48
1158	TORRANCE MUNICIPAL AIRPORT	T	2.71	0	.62	0	1.10	.38	.07	.13	0	0	0	5.01
1160	SAN GABRIEL CANYON – WEST FORK – HELIPORT	.93	4.26	.02	5.18	.17	3.70	4.46*	.60	.27	0	0	0	19.59*
1161	LA CRESCENTA – GREGG	1.28	3.89	.06	3.40	.01	3.04	2.50	.56	.56	T	.02	.01	15.33
1162	IRON MOUNTAIN	.56	3.56	.05	4.86	.12	3.37	2.80	.80	.13	0	0	0	16.25
1163	BEAR CANYON – CRYSTAL LAKE ROAD	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	0	0	INC.
1164	WALTERIA LAKE PUMP STATION	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	0	0	0	INC.
1165	GARRAPITA CREEK	.45	3.00	0	2.80	0	2.45	.44	0	.10*	0	0	0	9.24**
X12C	WILSONA	.90	.53	0	.22	.08	.20	.12	T	0	.70	.20	0	2.95
X15B	HI HISTA	.40	.75	0	.49	.05	.48	.13	.22	0	0	.37	0	2.89
X19	COOKS CANYON	1.01	2.97	T	2.95	T	2.15	2.23	.73	.35	0	T	0	12.39
X21B	DUNSMORE CANYON – UPPER	1.13	3.83	T	3.12	T	1.83	2.47	.64	.53	0	T	0	13.55
X22	ISLIP SADDLE	1.57	4.62	0	4.37	.32	4.13	4.14	1.97	.34	0	0	0	21.46
X23	DORR CANYON	1.19	4.25	.32	2.93	.53	2.49	2.62	.69	.31	0	0	0	15.33
X24	GRASSY HOLLOW	.69	2.63	.14	1.30	1.00	2.17	1.57	.88	.31	.19	0	0	10.88
X25	BEAR GULCH	.88	4.19	.37	3.25	.71	4.54	3.00	1.50	.50	.25	0	0	19.19
X26	BLUE RIDGE	2.16	3.25	.22	1.97	.54	2.91	2.11	1.13	.31	.12	0	0	14.72
X27	GUFFY'S CAMP	1.10	3.06	.31	2.81	.66	3.09	2.82	1.31	.25	0	0	0	15.41
X28B	HOLIDAY HILL	1.30	3.69	.24	2.14	.45	2.65	1.98	1.42	.20	.13	0	0	14.20
X29	PINE MOUNTAIN	.47	4.39	.03	4.86	.44	4.00	3.96	.42	.22	.01*	0	0	18.80**
X33	EAGLE DEBRIS BASIN	.97	3.56	.07	2.93	0	3.14*	2.34*	.56	.42	0	0	0	13.99*
X35	VERDUGO MTS. – HILLCREST CANYON	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	.25	0	0	0	INC.
X38	VERDUGO MTS. – HENDERSON CANYON	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	.47	0	0	0	INC.

LEGEND

* ESTIMATE > 10% OF TOTAL
** ESTIMATE < 10% OF TOTAL
INC. INCOMPLETE RECORD
N.I. NOT INSTALLED
N.R. NO RECORD

TABLE VII

SUMMARY OF MONTHLY RAINFALL IN INCHES

SEASON 1964-65

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
2B	ESCONDIDO CANYON	.48	2.20	4.31*	1.02	.30	2.32	6.30	0	0	0	.19	.11*	17.23**
3B	SEMINOLE HOT SPRINGS	.57	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
4B	MALIBU LAKESIDE	.45	2.23	3.27	.56*	.61	2.97	7.98	0	0	0	0	.28	18.30**
5B	CALABASAS	.43	2.32	2.79	.40	.50	2.11	7.20	0	0	0	.34	.25	16.34
6	TOPANGA PATROL STATION	.45	2.11	4.45	.85	.44	2.77	8.15	0	0	.10	0	.33	19.65
9B	LINDOMAR NURSERY – SEPULVEDA & RAYEN	.36	1.68**	1.03	.60*	.42*	1.07	6.56**	0	.06	0	T	.38*	12.16**
10	BEL AIR HOTEL	.54	1.79*	3.10	.75	.58	1.95	6.06	0	0	0	.14	.29*	15.20**
11C	UPPER FRANKLIN CANYON RESERVOIR	.45	2.24	3.01	.76	.52	1.74	7.02	T	.09	.03	.17	.32	16.35
12	FRANKLIN CANYON – MULHOLLAND HIGHWAY	.46	2.07	3.05	.78*	.52*	2.24*	6.62	0	.09*	.03*	.17*	.32*	16.35*
13B	NORTH HOLLYWOOD – BLIX	.38	1.88	1.86	.64	.49	.68	7.44	0	.04	.01	.01	.31	13.74
14B	ROSCOE – MERRILL	.53	1.92	1.15	.82	.12	.45	6.42	T	.01	.02	.02	1.01	12.47
15B	VAN NUYS	.39	1.38	2.25*	.63	.26	.77	7.22	0	.03	0	.12	.33	13.36*
17	SEPULVEDA CANYON & MULHOLLAND HIGHWAY	.20	1.96	3.76	.68	.69	2.10	7.47	0	0	0	0	.34	17.20
20B	GIRARD RESERVOIR	.60	2.45	2.42	.34	.37	.96	7.72	0	T	0	.15	.22	15.23
21	BRANT RANCHO – GIRARD	.67	2.19*	2.48	.65	.40	1.57	7.47	0	0	0	.05	.18	15.66**
23-E	CHATSWORTH RESERVOIR	.39	1.63	3.20	.42	.40	.70	7.31	0	.05	0	.21	.36	14.67
24D	CHATSWORTH	.46	1.68	4.17	.55	.48	.80	6.77*	0	.05*	0	.32	.56	15.84**
25C	NORTHRIDGE – LOS ANGELES DEPT. WATER AND POWER	.40	1.86	2.62	.46	.42	.66	6.51	0	.09	.02	.24	.22	13.50
27B	PACOIMA – RADDATZ RANCH	.43	1.65	1.88	.61	.32	1.70	5.83	0	.08	0	0	.52	13.02
28F	SAN FERNANDO	.41	1.95	2.63	.65	.54	1.28	6.84	T	0	.02	.14	.57	15.04
29D	GRANADA HILLS	.44*	2.12*	4.22	.76	.58	1.56	6.48	0	.09	.03	.15	.51	16.94*
30B	SYLMAR	.45	1.95	3.38	.71*	.66	.58	7.59	0	0	.03	.11*	.64	16.10**
31	ORCUTT RANCH	.75	2.23*	7.97	1.03	.76	2.51	9.27	0	.25	.19	.61	1.56	27.13**
32C	NEWHALL–SOLEDAD DIVISION HEADQUARTERS	.44	1.25	2.11	.21	.06	1.41	7.79	0	.02	.22	.14	.81	14.46
33A-E	PACOIMA DAM	.75	2.39	2.64	.72	.62	2.01	6.86	T	.06	.17	.02	1.98	18.22
39B	SUNSET DAM	.48	2.70	1.46	.93	.40	1.30	6.89	.04	.23	.02	.13	1.65	16.23
42C	REDONDO BEACH – CITY HALL	.21	1.04	1.98	.41	.25	1.52	4.43	0	0	0	0	.01	9.85
43D	PALOS VERDES ESTATES	.22	1.15	1.65	.38	.19	1.28	4.82	0	.02	0	.03	.02	9.76
44A	POINT VICENTE LIGHTHOUSE	.06	.65	2.99	.18	.08	1.52	4.74	0	0	.01	.02	.03	10.28
46D-E	BIG TUJUNGA DAM	.82	3.17	2.08	.99	.58	.97	9.81	.04	.07	.23	.15	.81	19.72
47D	CLEAR CREEK – CITY SCHOOL	1.03	3.70	4.58	1.77	.98	1.41	12.69	0	.06	.21	.19	1.77	28.39
48B	OAK WILDE	.68	2.88	3.03	1.16	.85	.65	7.52	0	.24	0	.24	1.05	18.30
50B	LA CANADA – ARROYO SECO	.52	3.17	2.64	.91	.56	1.30	7.90	.02	.05	.03	.06	1.53	18.69
51	FALLING SPRINGS	.70	3.15	3.49	1.13	1.31	1.91	10.73	.08	.22	.10	.09	1.88	24.79
52C	WATERMAN GUARD STATION	1.02	3.37	2.96	1.23	.98	1.66	10.72	0	0	.25	.33	1.45	23.97
53D	COLBY'S	.97	3.87	2.22	.75	.53	1.68	8.63	0	.06	.49	.34	.78	20.32
54C	LOOMIS RANCH	.67	2.50*	1.30	.40	.28	1.12	5.97	0	.11	.02	.05	.36	12.78**
57B-E	OPID'S (CAMP HI HILL)	.95	5.01	5.34	1.44	1.45	2.18	13.60	T	.07	.50	.38	1.56	32.48
58	STURTEVANT CAMP	.68	5.10	5.88	1.66	1.65	1.74	13.35	.16	.55	.51	.23	1.73	33.24
60A	HOEGEE'S	.75	5.12	5.28	1.91	1.78	1.87	13.36	.19	.39	.68	.38	1.81	33.52
63C-E	SANTA ANITA DAM	.43	3.17	3.22	1.48	.82	1.95	9.77	.32	.44	.45	.16	2.90	25.11
66	SIERRA MADRE – PEGLAR RANCH	.29	2.63	2.02	.97	.60	1.81	8.08	.46	.14	.16	0	1.65*	18.81**
67F	MONROVIA – NEWS POST	.24	2.62	2.12	.87	.35	1.45	8.36	.20	.49	1.11	.06	1.39	19.26
68B	SAWPIT DAM	.33	3.27	3.15	1.59	.76	2.04	8.81	.39	.48	1.41	.03	2.35	24.61
70D	ROGER'S CANYON	.41	2.59	3.00	1.16	.91	1.84	8.09	.04	.35	.22	.01	1.31	19.93
73	GLENDORA – ENGLEWILD RANCH	.33	2.10**	2.79	1.26	.56	1.63	8.39	.18	.45	.13	.03	1.22	19.07**
76B	SAN GABRIEL DAM CAMP	.55	2.84	2.64	1.11	.95	1.67	9.11	.04	.31	.11	T	.61	19.94
80B	PRAIRIE FORK	.62	3.06	1.16	.62	.71	1.09	8.13	.05	.33	.28	2.08	.70	18.83
81B	VINCENT GAP	1.03	4.36	4.39	1.52	.80	1.36	11.28	0	.52	0	.39	.65	26.30
82F	TABLE MOUNTAIN	.80	4.00	1.72	.47	.48	.61	6.22	T	.31	.61	5.61	.55	21.38
83B	BIG PINES RECREATION PARK	.83	4.23	2.52	.82	.80	1.24	9.22	.06	.43	.54	3.92	.61	25.22
85G	MT. BALDY GUARD STATION	.58	3.15	3.19	1.44	1.28	1.69	12.37	.09	.16	.21	.22	.91	25.29
87B	SAN DIMAS GUARD STATION	.24	2.59	3.18	1.38	.78	1.84	8.78	.05	.10	.12	T	.64	19.70
89B-E	SAN DIMAS DAM	.22	2.37	2.53	1.34	.70	1.71	8.42	.11	.16	.11	.02	.63	18.32
90	ELDER RANCH	.28	2.53	2.54	1.21	.65	1.71	7.97	.10	T	.12	0	.79	17.90
91	INDIAN HILL – CLAREMONT	.34	2.20	1.82	1.02	.66	1.85	6.90	.13	.05	.11	0	.72	15.80
92	CLAREMONT – POMONA COLLEGE	.33	2.09	1.91	.87	.52	1.97	6.48	.04	.03	.22	0	.57	15.03
93B	CLAREMONT – FIRE STATION	.30	2.66	1.95	.94	.57	2.10	6.52	.03	.05	.19	0	.50	15.81
95	SAN DIMAS – FIRE WARDEN	.13	2.10	2.13	.87	.49	.71	8.17	.05	.10	.26	T	.94	15.95
96B-E	PUDDINGSTONE DAM	.15	1.54	1.71	.89	.35	1.36	6.66	.04	.04	.33	T	1.34	14.41
99B	AZUSA – FOOTHILL RANCH	.30	2.37	2.20	1.06	.35	1.57	8.35	.13	.15	.39	.02	.88	17.77
101D	WEST COVINA	.20	1.46	2.00	.66*	.23	2.25	7.73*	.01	.05	.03	T	1.31	15.93**
102C	WALNUT – PATROL STATION	.03	1.38	1.54	.56	.55	2.15	6.56	0	0	.08	0	.74	13.59
106C	WHITTIER CITY HALL	.13	1.29	1.61	.65	.39	2.69	5.71	0	T	.01	T	1.01	13.49
107C	DOWNEY – FIRE DEPARTMENT	.20	1.18	2.18	.49	.33	2.40	5.98	0	0	T	.24	.27	13.27
108D	EL MONTE FIRE STATION	.22	1.94	1.82	.72	.20	2.66	6.37	.03	.05	.03	.40	.67	15.11
109D	WEST ARCADIA	.30	2.20	1.73	.80	.82	1.69	7.01	.13	.05	.04	.22	1.01	16.00
110B	ALHAMBRA	.36	2.09	2.08	.90	.39	1.76	7.44	T	.03	.01	.07	1.36	16.49
111	SOUTH PASADENA – CITY HALL	.35	2.42	1.88	.82	.41	1.83	6.69	.03	.07	.01	T	1.78	16.29
116D	INGLEWOOD – FIRE STATION	.29	1.22	2.06	.49	.42	1.92	4.75	0	.04	0	.02	.57	11.78
117F	COMPTON – FIRE STATION	.32	1.16	2.09	.45	.31	2.53	5.46	0	.02	T	.09	.13	12.56
118C	WILMINGTON	.20	1.25	1.73	.60	.48	.75	6.54	0	0	0	0	.27	11.82
119F	SAWTELLE – SOLDIER'S HOME	.05	1.90	3.83	.89	.48	1.66	6.82	0	.03	T	.15	.18	15.99
120	VINCENT PATROL STATION	.49	1.74	.18	.09	.10	.36	2.57	0	0	.41	.37	.22	6.53
122F	LEONIS VALLEY – RITTER RANCH	.55	3.37	2.11	.70	.12	1.53	4.91	0	0	.40	.72	.31	14.72
124B-E	BOUQUET CANYON RESERVOIR	.65	1.38	1.84	.81	.15	1.46	6.08	0	.05	.27	.25	.49	13.43
125B	SAN FRANCISQUITO CANYON POWER HOUSE NO. 1 (SAUGUS)	.56	1.91	2.69	1.08	.30	.54	7.44	T	.09	.29	.15	.57	16.62
126B	VENICE – FIRE STATION	.50	1.61	2.23	.55	.48	1.32	6.60	0	0	0	.15	T	13.44
127B-E	DRY CANYON RESERVOIR	.58	1.00	1.47	.36	.20	.63	6.18	0	.04	.07	.18	.45	11.16
128B	ELIZABETH LAKE CANYON	.70	1.89	5.35	.60	.35	1.36	8.44	.07	.10	.20	.15	.80	20.01
130B	SANDBERG – QUAIL LAKE PATROL STATION	.77	2.32	1.15	.27	.06	1.71	5.68	T	.01	.42	.27	.54	13.20
134	SAN DIMAS – STEVENS	.15	2.22	2.34	1.04	.62	1.45	8.10	.17	.13*	.14*	0	.75	17.11**
135	NORWALK	.12	1.30	2.00	.51	.54	2.44	5.51	0	0	0	.10	.14	12.66
139B	LOS ANGELES WATER DEPARTMENT	.29	1.77	2.33	.83	.28	1.62	7.06	0	T	T*	.01*	1.77*	15.96*
140C	SAWTELLE	.40	1.35	3.55	.80	.50	2.20	5.73	T	T	T	.24	T	14.77
143B	AZUSA – CITY PARK	.32	2.37	2.46	.97	.38	.95	8.20	.02	.14	.42	.10	.93	17.26
144	SIERRA MADRE DAM	.39	3.06	2.58	1.34	.88	1.13	10.16	.11	.57	.29	.28	2.63	23.42
155C	LITTLE ROCK CREEK	.47	2.14	.17	.17	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	1.91	.26	INC.
156	LA MIRADA – STANDARD OIL CO.	.10	1.13	1.43	.49	.30	2.25	3.99	0	T	T	T	.06	9.75
157B	EL SEGUNDO – STANDARD OIL CO.	.31	1.28	2.03	.47	.25	1.93	4.60	T	T	T	.16	.02	11.05
158	TANBARK FLATS	.35	2.60	2.42	1.19	.91	2.34	9.82	.18	.28	.04	T	.82	20.95
167B	ARCADIA PUMPING PLANT NO. 1	.32	2.78	1.96	.93	.60	1.10	8.25*	.42	.23	.26	.27*	1.76	18.91**
169-E	SIERRA MADRE PUMPING PLANT	.36	2.76	2.23	1.10	.67	1.12	8.98	.31	.30	.31	.25	1.84	20.23
170D	POTRERO HEIGHTS	.23	1.17	2.36	.77	.45	1.85	5.59	0	0	.03	.03	.42	12.90
172B	DUARTE	.24	2.36	2.16	.85	.62	2.74	6.21	.13	.16	.86	0	1.08	17.41
174	GLENDORA – WARREN	.24	2.06	2.06	1.00	.75	2.55	6.68	.04	.26	.19	T	1.20	17.63
175B	LA CANADA IRRIGATION DISTRICT	.65	2.83	3.65	1.25	.90	.88	8.86	.42	.37	.09	.30	2.46	22.66
176	ALTADENA – RUBIO CANYON	.54	2.89	2.02	.91	.66	1.44	7.19	.44	.17	.05	.06	1.87	18.24
177F	LA CANADA – AP ROBERTS	.65	3.31	3.00	1.25	.25	2.60	7.82	.05	.02	.02*	.03*	1.79	20.79
178C	AZUSA VALLEY WATER CO.	.25	2.05	2.03	.80	.25	1.36	7.72	.04	.13	.33	0	.73	15.69
179G	BAILEY DEBRIS DAM	.41	3.07	2.28	1.33	.94	1.75	8.88	.23	.34	.20	.16	2.74	22.33
185	GLENDORA – WEST	.30	2.22	2.42	1.16	.37	1.59	8.02	.15	.19	.30	T	.97	17.69
190B	RANCHO SOMBRERO	.48	2.15	4.07	.83	.63	1.45	8.45	0	.13*	.20	.09*	1.04*	19.52**
191B	LOS ANGELES – ALCAZAR	.36	2.06	2.11	.88	.22	1.54	7.32	T	.02	0	.30	1.40	16.21
192C	BELL – FIRE STATION	.36	1.27	2.50	.57	.19	2.34	5.51	0	.06	T	.05	.33	13.18
193B	COVINA NO. 2 – TEMPLE	.32	1.75	1.95	.73	.48	1.79	7.35	.09	.09	.52	T	.83	15.90
196B	LA VERNE – POLICE DEPARTMENT	.19	2.00	2.04	.90	.36	1.67	7.34	.06	.07	.28	.09	.83	15.83
199D	HUNTINGTON PARK – CITY YARD	.39	1.35	2.22	.50	.19	2.05	5.58	0	0	.03	.09	.30	12.70
200	SAUGUS – S.C.E. CO. SUBSTATION	.34	.76	1.21	.21	.08	1.57	6.10	0	0	.27	.11	.24	10.89
201B	PUENTE HILLS – ALTA MIRA RANCH	.19	1.86	2.48	.73	.51	2.23	6.54	.10	.04	T	.06	1.73	16.47
208B	ARTESIA	.09	1.16	1.67	.49	.39	2.51	4.76	T	0	0	.18	.19	11.44
210B	BRAND PARK	.40	2.02	1.96	.89	.58	1.17	6.93	0	.16	0	.05	1.75	15.91
213F	LOS ANGELES – HANCOCK PARK	.42	1.71	2.30	.73	.50	1.99	6.67	0	.05	.08	.03	.23	14.71
216	GLENDALE – JONES	.31	2.10	1.76	.88	.38	.53	7.40	T	.02	0	.07	2.88	16.33
219	PACOIMA WAREHOUSE – COUNTY FORESTRY	.47	1.64	1.65	.86	.19	.88	6.08	0	0	.08	.04	.87	12.76

TABLE VII (Continued)

SUMMARY OF MONTHLY RAINFALL IN INCHES

SEASON 1964-65

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
222C	LANKERSHIM PUMPING PLANT	.53	1.62	1.41	.86	.23	.51	6.71	0	.02	0	0	1.09	12.98
223B-E	BIG DALTON DAM	.38	3.14	3.15	1.29	.75	1.85	9.30	.21	.37	.15	0	.97	21.56
224B	LONG BEACH - ALAMITOS LAND CO.	.17	1.24	1.72	.48	.48	1.19	4.24	0	.02	T	0	.28	9.82
225	MONTANA RANCH	.13	1.30	1.72	.62*	.34	2.37	4.73	0	0	0	.21	.09	11.51**
226B	BURBANK FIRE STATION	.46	2.27	1.45	.68	.50	.92	6.46	T	.05	.01	.10	2.03	14.93
227D	SAN GABRIEL - BRUINGTON	.32	2.27	1.92**	.86	.39*	2.02	6.94	0	0	0	.10	1.74	16.56**
228B	BEVERLY HILLS - CITY HALL	.38	1.61	3.57	.85	.62	1.97	6.14	0	.07	.09	.04	.24	15.58
235C	HENNIGER FLATS	.55	3.36	2.69	1.36	.90	1.81	10.19	.39	.62	.20	.19	3.03	25.29
237C-E	STONE CANYON RESERVOIR	.57	1.94	4.15	.78	.67	.79	7.90	0	.19	.01	.11	.32	17.43
238	HOLLYWOOD DAM	.41	2.01	2.15	1.09	.50	.67	7.62	0	.06	T	0	.58	15.09
241C	LONG BEACH - CITY HALL	.17	1.51	1.64	.62	.37	.90	4.83	0	T	0	.03	.33	10.40
246B	CULVER CITY - BUS YARD	.48	1.50	2.36	.55	.59	2.17	6.19	0	.01	.01	.05	.06	13.98
250D	ACTON CAMP	.48	1.44	.15	.07	.10	.49	3.03	0	0	.34	.65	.47	7.22
251	LA CRESCENTA	.50	3.04	3.60	1.18	1.19	1.22	9.25	.17	.16	.08	.11	2.10	22.60
254B	LA PUENTE - ROWLAND RANCH	.18	1.67*	2.23*	.69	.50	2.54	6.87	.03*	0	.10*	.05*	.84*	15.70*
255D	MOUNT SAN ANTONIO COLLEGE	.16	1.23	2.07	.79	.31	2.31	7.64	0	.02	.22	0	2.15	16.90
256C	POMONA - FIRE STATION	.17	1.74	1.26	.73	.54	1.35	7.28	0	.02	.47	0	.36	13.92
257	GRIFFITH PARK NURSERY	.35	1.65	2.42	1.07	.50	1.60	7.17	0	.05	0	.02	.80	15.63
259C	CHATSWORTH PATROL STATION	.46	1.43	5.24	.68	.65	1.98	6.94	0	.05	0	.42	.44	18.29
261B-E	ACTON - ESCONDIDO CANYON	.64	1.06	.79	.26	.12	.61	3.18	0	0	.24	.64	.29	7.83
263F	POMONA - RIVERA	.16	1.56	1.32	.61	.56	1.98	6.64	0	0	.43	0	1.56	14.82
264B	SAND CANYON - PLACERITA CANYON	.70	1.85	2.19	.39	.47	1.25	8.99	0	0	0	.05	1.88	17.77
265D	PUENTE HILLS - WEISEL RANCH	.28	1.39	1.73	.82	1.20	1.98	5.65	.02	.02	.04	.05	1.34	14.52
269C	DIAMOND BAR HORSE CAMP	.12	1.75	1.26	.50	.68	1.99	6.11	T	0	.06	T	.65	13.12
270C	COUNTY FARM-RANCHO LOS AMIGOS	.20	1.05	2.13	.48	.54	2.42	5.42	0	0	T	.09	.25	12.58
272D	LOS ANGELES - HEADWORKS PUMPING PLANT	.31	2.27*	1.83	.81	.49*	1.03	6.67	0	0	0	0	.67	14.08**
273D	SAN PEDRO HILLS - MC CARRELL	.21	1.27	2.45	.75	.41	1.29	6.67	0	0	0	0	0	13.05
274B	ACTON - HUBBARD	.68	2.97	1.09	.65	.35	.66	3.59	0	0	.34	T	.09	10.42
275	SAN MARINO - HUNTINGTON LIBRARY	.31	2.10	2.03	.83	.49	2.07	7.16	0	0	0	T	1.34	16.33
277	SAWMILL MOUNTAIN RANCH	.88	2.94	2.92	.37	.05	1.67**	6.87	0	0	.75	.22	.70	17.37**
278B	LOS ANGELES - CLARK MEMORIAL LIBRARY	.25	1.83	2.30	.61	.40	2.27	5.87	0	.02	T	T	.86	14.41
280B	FLINTRIDGE FIRE STATION	.48	2.70	2.57	.89	.70	1.40	7.67	.15	T	.05	.16	1.50	18.27
283C	CRYSTAL LAKE	.90	3.55	3.45	1.24	1.36	2.16	11.57*	0	0	.06	.41	1.73	26.43*
284D	PLACERITA CANYON	.60	1.32	1.78	.23	.07	1.62	7.92	.04	0	.15	.06	.64	14.43
285C	MOUNT ST. MARY'S COLLEGE	.44	1.86	4.11	.87	.63	2.36	6.62	0	0	0	.09	.29	17.27
287	GLENDORA - IRRIGATING CO.	.28	2.31	2.33	1.13	.33	1.54	7.91	.14	.07	0	0	.88	16.92
289	LAGUNA-BELL - S.C.E. CO. SUBSTATION	.14	1.20	2.04	.68	.23	2.22	5.53	0	0	T	.11	.41	12.56
290B	MONTEREY PARK - FIRE STATION	.24	1.45	2.21	.69	.15	1.82	6.05	0	T	.02	.23	.82	13.68
291	LOS ANGELES - 96TH AND CENTRAL	.34	1.27	2.27	.45	.22	2.25	5.61	0	T	0	.05	.12	12.58
292D-E	ENCINO RESERVOIR	.34	1.47	2.87	.63	.25	.46	8.90	0	.03	0	.54	.16	15.65
293-E	VAN NORMAN LAKE - LOWER	.50	2.32	3.71	.85	.71	.57	8.11	T	.02	.02	.19	.90	17.90
294B	SIERRA MADRE - MIRA MONTE PUMPING PLANT	.41	2.99	2.51	1.20	.81	1.12	10.05	.11	.40	.30	.35	2.44	22.69
295G	GLENDALE - STAPENHORST	.36	3.08	1.94	1.00	.38	1.32	6.88	.05	.02	.01	.12	1.60	16.76
298B	GORMAN	.49	1.11	1.06	1.02	.29	1.75	4.21	0	0	.65	0	.40	10.98
299D	LITTLE ROCK	.10	1.65	.04	.07	.02	1.07	1.61	0	0	.28	.56	.10	5.50
303F	PASADENA - CAL TECH	.36	2.70	1.77	.82	.64	1.84	6.76	.02	.04	.02	.07	1.75	16.79
304	SAWPIT CANYON - DEER PARK	.48	4.24	4.04	1.92	.86	2.44	11.45	.39	.53	.85	.06	1.80	29.06
306F	TRANCAS BEACH	.56*	1.57*	3.72	.72	.21	2.96	7.04	0	0	0	.33	0	17.11*
311b	PASADENA METEOROLOGICAL STATION	.47	2.37	2.04	.99	.52	1.42	7.90	.17	.08	.09	.05	1.41	17.51
312B	AZUSA PLANT - GLENDORA IRRIGATING CO.	.28	2.54	2.35	.88	.56	1.70	8.11	.14	.22	.42	.13	.89*	18.22**
321-E	PINE CANYON PATROL STATION	.57	2.70	2.31	.48	.31	.83	7.70	0	T	.17	.54	.71	16.32
322	MUNZ VALLEY RANCH	.29	1.04	.49	.12	0	.35	3.54	0	0	.20	1.03	.33	7.39
334B-E	COGSWELL DAM	.38	3.34	2.97	.75	1.23	1.72	12.52	.04	.09	.52	.28	.85	24.69
336-E	SILVER LAKE RESERVOIR	.35	2.16	1.98	.71	.52	1.10	7.71	T	.07	0	.04	1.18	15.82
338A	MOUNT WILSON - OBSERVATORY	.77	5.13	5.36	1.32	1.25	2.02	15.76	.12	.10	.70	.23	1.56	34.34
338B	MOUNT WILSON - AIRWAYS STATION	.79	4.11	4.91	1.43	1.41	2.24	14.73	.03	.09	.64	.29	1.37	32.04
339	WALNUT FRUIT GROWERS' ASSOCIATION	.14	1.32	1.55	.55	1.11	1.38	7.14	0	0	.10	0	1.50	14.79
341	ALISO CANYON - BLUM RANCH	.53	1.60	.11	.13	.17	.53	2.88	0	T	.46	.10	.50	7.01
342B	UPLAND - CADNUM	.41	2.55	2.01	1.01	.52	.85	7.70	.07*	0	.04*	0	.48	15.64**
347-E	BALDWIN PARK EXPERIMENTAL STATION	.17	2.13	1.88	.75	.29	.90	8.15	.04	.07	.11	0	1.34	15.83
349D	CAMP RINCON	.50	3.01	2.66	1.09	1.17	1.48	9.78	T	.20	.10	T	.20	20.19
352B	LECHUZA PATROL STATION	.69	2.28	4.65	.83	.32	3.09	7.00	0	0	0	.05	.11	19.02
355B	LOS ANGELES - CITY COLLEGE	.33	1.79	2.22	.85	.59	1.89	7.28	T	[illegible]	T	.03	1.12	16.41
356C	SPADRA - PACIFIC COLONY	.12	1.91	1.95	.72	.23	1.97	6.00	T	0	.46	0	1.97	15.33
357	VAN NORMAN LAKE, UPPER	.48	2.08	3.63	.75	.48	.62	7.85	0	.02	0	.08	.66*	16.65**
363C	WILSON CANYON	.88	2.82	3.11	.85	.73	2.37	8.08	0	.07	.20	.02	2.31	21.44
364	HAINES CANYON - LOWER	.70	6.25	2.33	1.05	.67	1.42	11.14	.06	.07	.15	.07	2.44	26.35
365C	MT. LUKENS	.77	3.42	2.18	1.09	.77	.78	5.65	0	.05	0	.11	1.97	16.79
367	HAINES CANYON - UPPER	.75	6.15	2.49	1.12	.70	1.53	11.51	.09	.09	.15	.07	2.43	27.08
372	SAN FRANCISQUITO POWER HOUSE NO. 2	.71	1.13	3.05	.59	.19	.56	7.88	T	.03	.12	.19	.50	14.95
373B	BRIGGS TERRACE	.62	3.44	3.74	1.28	1.08	1.40	9.55	.46	.46	.12	.18	2.93	25.26
375B	GRIFFITH PARK ZOO	.33*	1.76*	2.83	.92	.94	1.70	7.34	0	0	0	.02*	.74*	16.58**
377F	LAKE SHERWOOD ESTATES	.60	1.49	3.74	.24	.36	2.16	6.40	0	0	0	.16	.17	15.32
379B	SAN GABRIEL - EAST FORK	.44	2.64	2.22	.63	1.01	1.71	9.98	.20	.32	0	0	.72	19.87
386C	ZUMA CANYON - OAKLEY	.71	2.64	6.40	.87	.47	2.88	8.34	T	.02	.05	.04	.16	22.58
387B	COVINA SEWAGE PLANT	.22	1.65	1.90	.70	.24	1.57	7.83	.23	0	.43	0	.66	15.43
388C	PARAMOUNT - COUNTY FIRE STATION	.16	1.42	2.10	.59	.32	2.92	5.80	0	0	0	.07	.13	13.51
389B	GLENDORA - BROWN	.30	2.50	2.75	1.05	.45	1.51	7.87	.15	.27	.32	T	1.24	18.41
390B-E	MORRIS DAM	.50	2.86	3.32	1.32	1.16	1.05	9.34	.07	.29	.21	.01	.85	20.98
391C	MONTEBELLO - FIRE DEPARTMENT	.18	1.27	2.28	.70*	.50	1.73	4.94	0	.02	.01	.25	.91	12.79**
394	HIGHLAND PARK - LINDSAY	.38	2.50	1.61	.82	.46	2.04	6.92	.03	.03	T	.08	1.43	16.30
395B	OLIVE VIEW SANITARIUM	.52	2.13	3.73	.78	.68	1.43	8.06	T	.13	.23	.09	1.04	18.82
402F	CEDAR SPRING	.57	3.38**	4.05	1.11	1.10	1.95	13.36*	0	.07	.05	.35*	1.06	27.05*
405B	SOLEDAD CANYON - ECKLES	.99	1.36	.26	.03	.12	.70	4.49	0	T	.18	.05	.14	9.92
406C	WEST AZUSA	.25	1.94	1.87	.91	.27	1.39	7.48	.18	.10	.74	0	.67	15.80
407-E	NEWHALL - U.S.F.S. HEADQUARTERS	.48	1.54	2.94	.38	.21	1.94	6.89	0	.06	.30	.13	.62	15.49
409	RIDGE ROUTE - STATE HIGHWAY MAINTENANCE STATION	.55	1.37	2.22	.08	0	1.87	5.15	0	0	.10	.25	.20	11.79
415	SIGNAL HILL - CITY HALL	.18	1.34	1.55	.56	.39	2.06	4.67	0	0	T	.02	.46	11.23
419B	SANTA CLARA RIDGE - MT. GLEASON	1.01*	3.68*	2.73*	1.58*	.70*	1.77*	11.56*	0	T*	.21*	.09*	2.00*	25.33*
420C	ACTON - COLOMBO RANCH	.55	2.05	.50	.07*	0	.60	3.53	0	0	.34*	.80	0	8.44**
422F	PACOIMA CANYON	.88	2.45	3.92	.76*	.89	1.29*	7.06	0	.06	.10	.24	3.22	20.87**
423A	ALISO CANYON - WAGON WHEEL RANCH	.77	2.80	1.96	.41	.32	1.31	6.37	0	.05	.37	.47	.55	15.38
425B-E	SAN GABRIEL DAM	.50	2.96	3.09	1.29	1.16	2.33	9.70	.04	.26	.14	T	.85	22.32
432	SANTA ANITA - FERN LODGE	.68	3.94	4.87	1.85	1.42	1.99	15.12*	.22	.20	1.08	.23	3.00	34.60*
433C	FAIR OAKS DEBRIS BASIN	.53	3.16	2.47	.93	.64	1.36	8.06	.29	.34	.07	.10	2.12	20.07
434	MALIBU - DIVISION HEADQUARTERS	.52	1.71	3.03	.37	.30	2.20	7.14	0	0	0	.36	.11	15.74
435	MONTE NIDO	.48	2.88	3.23	.88	.37	2.65	8.62	0	0	0	.91	.11	20.13
436C	HANSEN DAM	.53	1.77	1.77	.70	.25	1.48	6.25	0	0	.05	.04	2.05	14.89
437	HAMILTON BOWL - LONG BEACH	.20	1.23	1.58	.55	.41	1.82	4.21	0	.02	.02	.04	.52	10.60
440C	CHILAO - U.S.F.S. CAMP	.71	2.49	1.38	.48	.65	.63	10.36	.02	0	.61	.27	.98	18.58
441D-E	PALMDALE - COUNTY ROAD MAINTENANCE YARD	.30	1.36*	.45	.37*	0	.01	2.23	0	0	.52	.30	T	5.54*
442B	MESCAL CREEK - FORT TEJON ROAD	.23	2.19	0	.07	.05	.37	2.73	0	.04	.35	1.13	.23	7.39
443B	LATIGO CANYON - BEACH RANCH	.93	2.36	5.79	.79	.43	2.95	8.68	.01	.07	.04	.07	.14	22.26
444F-E	SO. COAST BOTANIC GARDENS	.18	1.28	2.71	.49	.34	2.12	4.93	0	0	0	0	.10	12.15
445B	LIVE OAK DAM	.34	2.68	2.32	1.13	.68	1.74	7.94	.04	.38	.19	0	.83	18.27
446	ALISO CANYON - OAT MT	.53	2.09	6.25	.91	.83	2.28	8.35	0	.11	0	.27	1.19	22.81
447C	CARBON CANYON	.50	1.50	2.24	.87	.18	2.24	5.77	T	0	T	.24	.20	13.74
449B	EATON WASH DAM	.41	2.75	1.67	1.09	.59	1.69	7.99	.35	.15	.06	.18	1.88	18.81
451B	CASTAIC PATROL STATION	.34	.74	2.11	.41	.11	1.11	5.39	0	.01	.15	.20	.20	10.77
453C	DEVIL'S GATE DAM	.49	3.02	2.40	.92	.66	1.70	7.89	.11	.09	.10	.17	1.68	19.23
455B	LANCASTER - STATE HIGHWAY MAINTENANCE STATION	.32	1.25	.10	.24	0	.34	1.91	0	0	.32	.35	.15	4.98
456	PIUTE BUTTE	.20	1.44	.18	.08	T	.52	1.82	T	T	.12	.18	.21	4.75
458	ZUMA CANYON PATROL STATION	.45	1.68	3.73	.79	.19	2.76	5.38	0	0	0	.06	.12	15.16
460B	PLEASANT VIEW MESA - NEAL	.40	2.23	.08	.05	.10	.87	2.78	0	0	.32	.65	.24	7.72
461	BALDWIN HILLS - STANDARD OIL FIELD OFFICE	.33*	2.00	1.94	.50	.46	1.82	5.73	T	0	0	0	.10	12.88**

TABLE VII (Continued)

SUMMARY OF MONTHLY RAINFALL IN INCHES

SEASON 1964-65

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
462B	HILLCREST COUNTRY CLUB – LOS ANGELES	.58	2.22	3.08	.67	.90	2.63	5.58	0	0	0	.12	.32	16.30
463B	MAR VISTA – SOUTHERN CALIFORNIA WATER CO.	.49	1.63	2.68	.60	.57	2.21	5.46	0	0	.05	0	.13	13.82
465C	SEPULVEDA DAM	.34	1.47	2.20	.75	.30	1.73	6.66	0	0	T	.25	.20	13.90
466B	PACOIMA CANYON – DUTCH LOUIE CANYON	.86	2.48	3.90	.76	.80	1.22	6.77	0	.09	.10	.24*	2.92*	20.14**
468	PICKENS DEBRIS BASIN	.56	3.01	3.38	1.26	1.03	1.06	8.63	.21	.22	.05	.09	2.16	21.66
470	TUJUNGA – MILL CREEK	.74	2.45	2.13	.73	.34	1.61	5.05	0	.06	.19	.44	.33	14.07
471	LITTLE TUJUNGA – GOLD CREEK	.69	3.11	2.54	1.12	.66	1.04	8.03	0	0	.10	.02	1.16	18.47
474B	SOUTH GATE – FIRE DEPARTMENT	.34	.80	1.87	.47*	.17	1.17	6.77	0	.02	T	.05	.21	11.87**
475	SAUGUS – NEWHALL LAND & FARMING COMPANY	.40	1.11	1.70	.25	.07*	1.53*	5.44**	0	0	.20	0	.35	11.05**
476F	TRIUNFO CANYON	.69	1.70	3.32	.37*	.70	2.66	8.41	0	0	0	.12	.14	18.11**
477D	SANTA ANITA – SPRING CAMP	.56	2.77	3.60	.96	1.57	1.95	10.99	T	0	.80	.13	1.40	24.73
478	VALYERMO – U.S.F.S. HEADQUARTERS	.38	2.38	.08	.12	.03	.87	2.94	0	0	.22	.64	.33	7.99
480B	TEMPLE CITY – FIRE STATION	.28	2.11	1.84	.78	.39	1.84	6.36	.10	.02	.05	.20	1.17	15.14
482	LOS ANGELES – U.S.C.	.31	1.85	2.30*	.65	.32	1.11	6.39	T	T	0	T	.33	13.26*
486B	COLDWATER CANYON – WIDMAN RANCH	.68	2.92	2.31	1.01	1.02	2.84	10.53	.16	.88	.16	T	1.16	23.67
486B	KAGEL CANYON PATROL STATION	.63	2.26	1.98	.97	.33	.80	6.54	0	.03	.19	.03	2.37	16.13
489	COLD CREEK – STUNT'S RANCH	.52	2.24	5.01	.76	.45	3.28	8.96**	0	T	0	.40	.05	21.67**
490C	LANCASTER – PABLO RANCH	.18	1.40*	0	.02	0	.40	2.06	0	0	.05	.24	0	4.35*
491B	PACIFIC PALISADES	.47	1.47	3.51	.91	.36	2.03	6.28	0	.01	.06	.12	.10	15.32
492B	CHILAO – STATE HIGHWAY MAINTENANCE STATION	.76	2.22	1.87	.59	.65	1.71	12.26	0	0	.48	.22	1.43	22.33
497	CLAREMONT – SLAUGHTER	.26	2.22	1.79	.91	.67	1.71	7.07	.08	0	.13	0	.56	15.40
498	ANGELES CREST HIGHWAY – DARK CANYON TRAIL	.90	3.70	4.41	1.50	1.13	.76	9.53	0	.41	0	.23	2.10	24.67
508C	ARROYO SECO – RANGER STATION	.65	3.22	2.75	1.08	.68	1.45	8.15	.19	.22	.10	.19	1.92	20.60
517B	ANDERSEN RANCH (LEWIS RANCH)	.44	2.35	.10	.18	.06	1.25	5.00	0	.04	.46	.70	.46	11.04
518B	ELIZABETH LAKE	.60	2.34	1.98	.67	.16	.79	6.19	0	T	.20	.54*	.71*	14.18**
542-E	FAIRMONT	.46	1.43	1.46	.33	.12	.12	6.61	0	0	.28	.42	.48	11.71
560B	LA VERNE HEIGHTS	.27	2.19	2.02	.84	.55	1.84	7.98	.05	T	.22	0	.82	16.78
564C	LLANO	.16	.83	0	0	0	.48	2.08	0	0	.34*	.53	.15	4.57**
565B	LONG BEACH – CITY AUTOMATIC	.19*	1.25*	1.58	.42	.43*	.89*	5.89*	0	T	0	T	.60	11.25*
566	LONG BEACH NO. 1	.13	1.25	1.83	.62	.39	2.40	2.50	0	T	0	0	.32	11.44**
575C	LONG BEACH WEATHER BUREAU	.20	1.47	2.02	.24	.58	2.12	4.24	T	.02	.01	.03	.29	11.22
587B	SAN ANTONIO CANYON – POWER HOUSE NO. 1	.46	3.24	2.65	1.38	1.01	1.97	9.42	.12	.05	.20	.02	1.23	21.75
588D	MOUNT LOWE	.73	3.80	4.54	1.32	1.31	2.07	13.63	.03	.08	.59	.27	1.27	29.64
593B	NEWHALL RANCH	.54	1.01	2.96	.50	.23	1.80	6.26	0	0	.16	0	.35	13.81
610B	PASADENA – CITY HALL	.47	2.75	1.82	.86	.48	1.47	6.83	.15	.09	.07	.07	1.24	16.30
611C	ALTADENA GOLF COURSE	.53	3.15	2.13	1.03	.63	1.34	8.53	.25	.25	.07	.17	2.17	20.25
612	PASADENA – CHLORINE PLANT	.60	3.04	2.57	.98	.60	1.26	8.19	.15	.23	.11	.20	1.85	19.78
613B	PASADENA – HURLBUT FIRE STATION	.37*	2.53	1.78	.76	.56	1.91	6.40	.06	.05	.02	.02	2.00	16.46**
617B	POMONA – ADAMSON	.23	1.77	2.13	.95	.30	1.90	6.98	T	.03	.50	T	.83	15.62
619	SAN ANTONIO CANYON – SIERRA POWER HOUSE	.49	3.22	2.86	1.25	1.00	2.26	11.72	.08	.05	.20	.01	1.46	24.60
627	SAN GABRIEL CANYON – POWER HOUSE	.38	2.95	2.79	1.04	.70	1.73	8.08	.18	.34	.31	.06	1.34	19.90
634C	SANTA MONICA	.48	1.53	2.67	.57	.44	2.58	5.67	0	.02	.05	.10	.05	14.16
662C	LONG BEACH – CERRITOS AVENUE	.14	1.32	1.67	.68	.38	2.51	5.20	0	T	0	T	.25*	12.15**
666C	LONG BEACH – NEECE STREET	.28	1.58	1.85	.77	.36	3.08*	5.50	0	T	0	T	.13*	13.55**
672	EAGLE ROCK S.C.E. CO. SUBSTATION	.45	2.38	2.12	.94	.54	1.60	7.05	.10	.09	.01	.09	1.45	16.82
673C	SEAL BEACH – POWER PLANT	.09	1.23	1.80	.41	.29	2.28	5.30	0	.01	.02	.14	.37	11.94
678	PASADENA – SHELDON RESERVOIR	.41	2.78	2.29	.91	.57	1.24	7.99	.14	.08	.07	.13	1.61	18.22
679	PUENTE – NORTH WHITTIER HEIGHTS	.17	1.34	2.19	.62	.34	1.31	7.64	.02	.02	.13	.03	1.20	15.01
680B	WESTWOOD – U.C.L.A.	.49	1.85	3.43	.86	.49	1.73	4.86	T	.09	.02	.16	.18	14.16
681A	SIERRA MADRE RANGER STATION	.42	2.93	2.80	1.54	.45	2.06*	8.73	.49	.31	.40	.40	2.24	22.77**
683	SUNSET RIDGE GUARD STATION	.50	2.90	2.94	.94	.63	1.36*	7.50	.29*	.14	.06	.06	1.78	19.10**
695B	TUJUNGA CANYON – VOGEL FLAT	.79	4.34	2.90	1.10	.62	1.06	11.91	0	.02	.27	.25	.92	24.18
703	GLENDALE – MC INTYRE	.43	2.15	1.69	.92	.37	1.34	6.34	0	.02	.01	.09	1.95	15.31
705	ALDER CREEK – PARADISE RANCH	.71	2.58	1.91	1.11	.49	1.24	8.10*	0	T	.15	.06	1.40	17.75*
716	LOS ANGELES – DUCOMMUN STREET	.33	1.80	2.05	.84	.23	2.38	6.15	0	.01	T	.01	1.77	15.57
718B	THOUSAND OAKS	.58	1.02	2.44	.30	.29	2.11	7.42	0	.02	0	.02	.39	14.59
720B	SIMI VALLEY – SUSANA KNOLLS	.44	1.03	3.29	.27	.36	1.38	7.32	0	0	0	.09	.81	14.99
722C	BELLEVIEW – STRATMAN	.42	1.66	1.18	.29	0	.34	2.81	0	T	.28	1.20	.12	8.30
724B	BIG DALTON – MONROE CANYON	.40	2.87	2.94	1.19	.76	1.81	5.02	.18	.33	.11	0	.69	16.30
725B	BIRMINGHAM HOSPITAL	.31	1.31	1.66	.68	.18	1.51	5.79	0	0	T	.20	.19*	11.83**
726B	ANGELES CREST GUARD STATION	.87	3.86	3.58	1.26	.92	1.50	8.56	.21	.43	.05	.29	2.09	23.62
727B	NEWCOMB PASS	.95	4.33	5.18	1.30	1.37	1.13	13.00	.07	.19	1.02	.02	1.80	30.37
728	PACOIMA CANYON – CITY ROAD GAGE	.85	4.32	4.39	1.36	.45	1.94	13.39	0	0	0	.47	2.04	29.21
730	MILLARD CANYON – DAWN MINE	.95	3.71	3.07	1.23	.89	.80	10.49	0	.57	0	.19	2.36	24.26
731	OAK GROVE HEADQUARTERS – U.S.F.S. FLOOD CONTROL	.51	3.01	2.38	.90	.61	.51	8.63	.13	.10	.04	.13	1.62	18.57**
732B	ROBERT'S CANYON – SAN GABRIEL WEST FORK DIVIDE	.70	3.36	4.36	1.16	1.90	2.06	11.61	0	0	.84	.14	1.48	27.61
734B	LOS ANGELES INTERNATIONAL AIRPORT	.30	1.07	1.95	.43	.34	1.63	4.52	T	.03	T	.12	.11	10.50
735D	BELL CANYON – DRY GULCH RANCH	.39*	2.50	2.80	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
740B	SAN DIMAS CANYON – FERN NO. 2	.52	4.11	2.83	1.20	1.02	2.58	11.23	.13	.24	.20	0	1.51	25.57
741	SAN DIMAS CANYON – UPPER EAST FORK	.36	2.71	2.22	1.13	.71	2.28	10.75	.22	.34	.06	0	.88	21.66
742C	SAN GABRIEL – FIRE DEPARTMENT	.26	2.13	1.78	1.23	.39	1.78	6.77	.01	.05	T	.18	1.66	16.24
746B	MOJAVE – 2 ESE	.20	.03	0	0	0	1.10	1.86	0	0	0	T	T	3.19
747	SANDBERG – AIRWAYS STATION	.58	2.56	1.23	.37	.02	1.43	3.43	T	0	.49	.27	.48	10.86
749	BURBANK – U.S.W.B.	.37	1.74	1.23	1.00	.29	.96	5.66	T	.08	.04	.04	.75	12.16
750	PALMDALE – F.A.A. AIRPORT	.22	1.00	.67	.05	T	.40	1.47	0	T	.58	.05	.26	4.70
755	GRIFFITH PARK – LITTLE CANYON	.29	1.61	2.25	1.05	.38	1.49	6.63	0	.05*	0	.02*	.80*	14.57**
757	GRIFFITH PARK – FERN DELL	.30	1.68	1.77	1.07	.48	1.63	6.40	0	.05*	0	.02*	.80*	14.20**
759B	NICHOLS DEBRIS BASIN	.36	1.96	2.48	.94	.48	2.00	6.67	0	.06	0	0	.28	15.23
760	STUDIO CITY – GOODLAND AVENUE	.30	1.51	1.91	.30	.22	1.41	5.63	0	.09*	.03*	.17*	.32*	11.89**
762	UPPER STONE CANYON	.45	1.51	2.89	.63	.37	1.70	6.35	0	.19*	.01*	.11*	.32*	14.53**
763B	SEPULVEDA CANYON – EAST FIRE ROAD NO. 19	.47	1.92	4.27	.75	.49	.20	8.24	0	.19*	.01*	.11*	.32*	16.97**
764	STONE CANYON – RIAL LANE	.75	1.75	4.41*	.75*	.59	.53	6.99	0	.19*	.01*	.11*	.32*	16.40*
765B	15801 MULHOLLAND DRIVE	.42	1.74	3.01	.62	.46	.86	7.36	0	0	0	0	.34*	14.81**
766	MANDEVILLE FIRE ROAD NO. 24	.27	1.55	3.90	.55	.40	2.36	7.40	0	0	0	0	.34*	16.77**
767	MANDEVILLE CANYON ROAD	.37	2.12	4.14	.72	.29	2.05	6.82	0	0	0	0	.34*	16.85**
768	SULLIVAN CANYON – FIRE ROAD NO. 26	.36	1.76	3.53	.65	.43	1.93*	8.18*	0	0	0	0	.34*	17.18*
770B	SANTA YNEZ CANYON – PASEO MIRAMAR	.32	1.47	2.00	.62	.34	2.16	4.92	0	0	.13*	.15*	0	12.11**
771	RUSTIC CANYON – SANTA MONICA	.39	1.59	3.78	.87	.43	2.17	6.57	0	.01*	.06*	.12*	.10*	16.09**
772	LOS ANGELES – ECHO PARK BLVD. AND LUCRETIA ST.	.32	1.81	1.87	.87	.43	2.09	6.71	0	.07*	0	.04*	1.18*	15.39**
774	BARLOW SANITARIUM	.32	1.59	1.70	.93	.40	1.97	6.16	0	.07*	0	.04*	1.18*	14.36**
777	KENTER CANYON	.45	1.45	3.40	.80	.45	.73	7.01	0	.03*	0	.15*	.18*	14.65**
778B	SEPULVEDA CANYON – BELLAGIO ROAD	.40	2.13	4.75	.99	.69	.82	7.43	0	0	0	.09*	.29*	17.59**
779	GRIFFITH PARK – LOWER MINERAL WELLS	.35	1.85	2.55	.99	.48	1.32	7.15	0	0	0	0	.67*	15.36**
783	COON CANYON	.66	3.24	2.77	1.10	.70	.66	8.51	.11	.29	0	.18	1.42	19.64
786	COON CANYON	.73	2.91	2.69	1.22	.72	.79	7.85	0	.77	0	.24	2.06	19.98
788	COON CANYON	.67	3.08	2.86	1.18	.62	.74	7.96	0	.68	0	.15	2.13	20.07
789	EL PRIETO CANYON	.62	3.17	2.86	1.22	.66	.77	8.98	0	.74	0	.12	2.37	21.51
793	MARKHAM SADDLE	.87	4.14	4.69	1.30	1.55	1.04	7.89	0	.02	0	.30	2.00	23.80
794-E	LOWER FRANKLIN RESERVOIR	.42	1.41	2.46	.78	.52	.80	7.06	0	.08	0	.09	.22	13.84
795	PASADENA – JOURDAN	.31	2.41	1.69	.76	.63	1.48	7.26	.24	.11	.05	.16	1.23	16.33
796	ELYSIAN PARK – FIRE DEPARTMENT	.26	1.43	1.43	.82	.31	1.73	5.44	0	.07*	0	.04*	1.18*	12.71*
797	DE SOTO RESERVOIR	.49	1.45	4.34	.47	.53	.66	7.82	0	.10	.02	.39	.32*	16.59**
799	BALDWIN HILLS RESERVOIR	.33	1.55	2.28	.53	.53	1.21	6.18	0	0	0	0	.10*	12.71**
801	MAGIC MOUNTAIN	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
802B-E	EAGLE ROCK RESERVOIR	.46	2.30	1.61	.81	.45	.85	7.55	T	.16	.08	.12	1.35	15.74
807	ASCOT RESERVOIR	.32	2.06	2.34	.94	.33	1.24	7.39	0	.03	0	.33	1.47	16.45
1000	HUNT CANYON – BONES RANCH	.36	2.07	.17	.11	.07	.35	2.28	0	0	.50	.06	.26*	6.23**
1001B	WEST FORK RANGER STATION	.71	5.40	5.83	1.16	1.05	2.47	15.69	0	.06	.71	.21	.81	34.10
1005	MINT CANYON – THE OAKS	.56	1.11	1.33	.54	.21	1.00	4.42	T	0	.18	.08	.32*	9.75**
1006	SAN PEDRO – CITY RESERVOIR	.14	1.51	2.23	.61	.57	.67	5.28	0	0	0	T	.29	11.90
1007C	CAMP VALCREST	1.00	2.78	2.16	.79	.82	1.47	11.95	0	.22	.86	.43	1.00	23.48
1008-E	LA FRESA – S.C.E. CO. SUBSTATION	.29	1.18	2.25	.44	.30	2.06	4.00	0	0	0	0	.14	10.66
1009	MINT CANYON – DYER	.52	.89	.56	.20	.10	1.11	5.42	0	0	T	.05	.65	9.50
1010B	PALMER CANYON – FORKS	.40	2.99	2.89	1.29	.92	1.89	9.02	.17	.38	.05	0	.98	20.98
1011B	PALOS VERDES FIRE STATION	.19	1.19	2.56	.71	.40	2.02	4.63	0	0	0	0	.16	11.86

TABLE VII (Continued)

SUMMARY OF MONTHLY RAINFALL IN INCHES

SEASON 1964-65

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
1012	CASTAIC JUNCTION	.25	.85	1.56	.33	.19	1.71	6.04*	0	0	.19	.37	.26	11.75**
1013B	TUJUNGA CANYON ABOVE GOLD CANYON	.75	3.28	1.64	1.04	.49	1.08	8.63	0	.02	.05	.65	.95	17.98
1014D-E	RIO HONDO SPREADING GROUNDS	.16	1.34	1.89	.66	.28	2.09**	5.69	0	0	.02	.34	.63	13.10**
1016B	PALO COMADO CANYON - AGOURA	.63	1.59	2.86	.53	.20	1.64	6.84	0	0	0	.50	.28	15.07
1017B	LITTLE ROCK CREEK ABOVE DAM	.32	1.95	.11	.19	.09	.43	2.71	0	0	.76	1.22	.45	8.23
1018B	SANTA SUSANA MTS. - DEVIL'S CANYON	.54	1.86	5.53	.54	.61	2.51	8.15	0	.19	0	.30	.90	21.13
1019	SANTA SUSANA MTS. - SALT CANYON	.47	1.63	4.86	.47	.54	2.21	7.16	0	.17	0	.26	.79	18.56
1020B	PADUA HILLS PATROL STATION	.37	2.41	2.53	1.12	.86	1.84	7.66	.04	.07	.07	0	.66	17.63
1022	HASLEY CANYON - WESTERN GULF OIL CO.	.50	1.06	4.67	.51	.25	1.78	5.87	.09	0	.15	0	.16	15.04
1023B	GARRAPATA CANYON - SPEER	.52	1.84	2.85	.84	.36	2.89	7.49	0	0	0	.19	.20	17.18
1025	MALIBU BEACH - DUNNE	.39	1.76	2.74	.73	.21	2.57	6.90	0	0	0	.35	.22	15.87
1029	TUJUNGA - MILL CREEK SUMMIT	.78	2.53*	2.01	.56	.39	1.57	5.63	0	.20	.42*	.89	.52	15.50**
1030	MT. ISLIP - LITTLE JIMMY SPRINGS	0	5.15	4.90	1.03	2.19	2.53	19.27	0	.77	.04	.31	.94	37.13
1031B	MT. WATERMAN	0	2.97	1.36	.57	1.03	1.83	14.42	0	.39	0	0	1.28*	23.85**
1035	WHITTIER - WOOD	.19	1.58	1.75	.66	.28	2.06	6.39	0	0	.07	0	1.35	14.33
1037-E	ARCADIA - ARBORETUM	.27	2.42	1.73	.81	.58	1.92	7.69	.41	.06	.07	.30	1.16	17.42
1038B	MT. PACIFICO	.71	2.64	2.34	.72	.50	2.01	10.74	0	.20	.04	.09	.65	20.64
1039B	LOS ANGELES - MAC QUEEN	.34	1.40	2.16	.68	.56	1.03	7.42	0	0	0	.05	1.06	14.70
1040	POTRERO CANYON - SUNRAY DX OIL CO.	.33	.98	2.06	.22	.32	1.99	5.45	0	0	.20	0	.19	11.71
1041B	SANTA FE DAM	.17	2.06	1.80	.78	.39	1.36	6.14	.05	0	.03	0	1.39	14.17
1046B	SANTA ANITA CANYON - CHANTRY FLAT	.61	3.72	4.09	1.85	1.38	1.23	11.33	.21	.57	.53	.43	2.73	28.68
1048B	LA CRESCENTA - CO. ROAD DEPARTMENT	.53	2.94	3.47	1.14	1.32	1.13	8.21	.03	.16*	.08*	.11*	1.80	20.92**
1050	OLD TOPANGA CANYON - GRAY	.61	2.69	4.79	.62	.44	2.43	9.99	0	0	0	.27	.13	21.97
1051B	CANOGA PARK - PIERCE COLLEGE	.44	2.08	2.14	.33	.39	2.08	6.76	0	.01	0	.19	.18	14.60
1052	CAMP JOSEPHO	.42	2.12	4.97	.98	.61	2.41	8.67	T	.09	.03	.17	.22	20.69
1053B	BIG TUJUNGA CANYON - SPREADING GROUNDS	.58	2.44	1.23	.77	.27	.82	7.96	T	T	.04	T	1.58	15.69
1054	VETERAN'S HOSPITAL - SAN FERNANDO	.60	2.57	2.89	.77	.61	1.98	6.59	0	.06	.15	T	1.43	17.55
1055B	MT. BALDY NOTCH	.70	3.05	3.40	.25	.90	1.89	10.15	T	.15	.55	1.00	1.15	23.19
1057B	WHITTIER NARROWS - ABOVE DAM	.19	1.83	2.10	.70	.40	1.93	6.85	T	.03	.03	.10	.57	14.13
1058B	PALMDALE	.26	1.09	.23	.11	0	.27	1.52	0	0	.49	.13	.09	4.19
1059B	SOUTH HAWKINS	.91	3.59	3.49	1.25	1.38	2.18	11.54	0	0	.06	.42	1.75	26.57
1060B	LITTLE ROCK - SYCAMORE CAMP	.55	1.84	.71	.40	.10	.92	4.87	0	0	.45	1.24	.40	11.48
1062	BUCKHORN FLAT	.54	3.99	2.48	.72	1.12	1.53	11.38	.02	.25	T	T	1.28	23.31
1063	SOLEDAD PASS	.53	2.60	.12	.15	.18	.47	2.78	0	0	.51	.12	.33	7.79
1064B	SAN GABRIEL EAST FORK - DOT MINE	.43	2.56	2.15	.61	.98	1.66	9.66	.19	.31	0	0	.70	19.25
1066B	LONG BEACH - LEES STREET	.10	.81	1.40*	.41	.35	2.48	4.33	0	T	0	0	.20	10.08**
1067	SANTIAGO CANYON	.37	2.23	.13	.22	.10	.49	3.09	0	0	.87	1.40	.52	9.42
1068	RATTLESNAKE CANYON - CAMP #3	.69	2.16	4.83	.81	.38	2.48	6.56	.02	0	0	0	0	17.93
1069	SAN GABRIEL - EAST FORK TUNNEL	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
1070	MANHATTAN BEACH	.30	.80	2.39	.55	.25	1.55	4.80	0	0	0	.05	0	10.69
1071B-E	DESCANSO GARDENS	.64	2.75	3.03	1.12	.85	1.29	7.83	.15	.13	.09	.18	2.15	20.21
1072	LITTLE TUJUNGA RANGER STATION	.60	2.37	1.66	.93	.50	1.37	6.65	0	0	0	.01	2.15	16.24
1073B	PALMDALE - CIRCLE C	.35	2.09	.24	.13	.02	.44	2.05	0	0	.81	.23	.19	6.55
1074	LITTLE GLEASON	.95	2.70	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1075	UPPER WOLFSKILL CANYON	.51	2.99	3.29	1.50	.84	2.18	9.96	.23	.54	.07	0	1.35	23.46
1076	HIDDEN SPRINGS	.97	2.51	1.52	.87*	.36	1.86	6.75	0	0	.38	.11	.99*	16.32**
1077B	MONROVIA - FIVE POINTS	.30	2.92	2.72	1.32	.69	1.56	9.08	.29	.38	.68	.04	1.96	21.94
1078	COVINA - GRIFFITH	.16	1.66	2.17	.92	.34	1.67	7.27	.02	.02	.49	0	1.39	16.11
1079	RUBIO DEBRIS BASIN	.56	3.34	2.45	1.04	.69	1.31	8.54	.29	.45	.10	.15	2.12	21.04
1080B	BRADBURY DEBRIS BASIN	.26	2.79	2.49	.98	.63	1.36	7.71	.11	.28	1.41	0	1.65	19.67
1081	DEER DEBRIS BASIN	.50	2.50	2.64	1.16	.63	.92	6.86	.04	.15	.04	.14	1.74	17.32
1082	DUNSMUIR DEBRIS BASIN	.57	2.34*	2.74	1.03	.78	1.21	9.03	.23	.25	.10	.06	2.53	20.87**
1083	MADDOCK DEBRIS BASIN	.38	2.96	2.42	.98	.82	1.77	7.78	.30	.27	1.17	0	1.66	20.51
1085	MC CLURE DEBRIS BASIN	.39	2.51	.97	.89	.25	.66	6.18	0	.10	.02	.03	.96	12.96
1086	TURNBULL DEBRIS BASIN	.19*	1.33	1.60	.64	.32	2.09	6.08	0	T	0	0	1.54	13.79**
1087-E	GREEN VERDUGO PUMP PLANT	.37	2.19	1.16	.80	.20	.38	7.10	0	.03	.12	.01	1.45	13.81
1088B	LA HABRA HEIGHTS MUTUAL WATER CO.	.17	1.37	1.65	.72	.81	2.31	5.35	T	0	0	0	1.39	13.77
1089D	TOPANGA CANYON OUTLET	.40	1.71	3.23	.83	.32	4.04	4.99	0	0	.13	.15	0	15.80
1090	LOS ALAMITOS	.18	1.07	1.49	.52	.27	1.32	5.59	0	0	0	.09	.37	10.90
1092	BUENA PARK	.11	1.18	1.39	.50	.10	1.70	4.43	0	0	0	.10	.34	9.85
1093-E	FULLERTON AIRPORT	.15	1.45	1.09	.49	.13	1.44	5.10	0	.01	.01	0	.27	10.14
1094	BREA	.06	1.30	1.40	.51	.71	1.90	5.00	0	.11	.04	.06	1.05	12.14
1095	ORANGE COUNTY RESERVOIR	.09	1.45	1.30	.52	.50	2.06	4.78	T	0	.05	.02	.80	11.51
1099	WHITTIER - CATE	.19	1.43	1.87	.64	.11	1.88	5.95	0	.04	.01	.13	1.21	13.46
1102B	BOBCAT CANYON - SAN GABRIEL WEST FORK	.68	3.25	3.13	.88	.84	1.42	10.99	0	.21	.51	.23	1.51	23.65
1104	BOUQUET CANYON - FIRE CONTROL STATION AT TEXAS CN.	.54	1.25	1.74	.41	.24	.97	6.75	0	.01	.20	.09	.40	12.60
1105B	FAIRMONT	.34	.70	.67	.12	0	.48	3.97	0	0	.22	.54	.31	7.35
1106	ANTELOPE VALLEY FIELD STATION	.24	.78	.35	.14	.13	.44	3.34	0	0	.38	1.80	.30	7.90
1107D	LA TUNA CANYON	.40	2.38	.91	.81	.17	.78	6.16	0	.02	0	.01	.95	12.59
1108B	LEONA VALLEY	.35	2.25	.56	.33	N.R.	N.R.	N.R.	N.R.	N.R.	.22	.30	.13	INC.
1109	MT. BALDY	.84	3.65	4.07	.30	1.08	2.26	12.15	0	.18	.66	1.20	1.38	27.77
1110	SCHOLL DEBRIS BASIN	.48	2.46	1.51	.85	.40	1.94	7.05	.07	.23	.03	.25	1.40*	16.67**
1111C	DEVIL'S PUNCHBOWL	N.I.	N.I.	.30	.29	.13	1.38	2.96	0	.03	.38	.45	.50	INC.
1113	DOMINGUEZ WATER CO.	.14	1.16	1.61	.41	.40	2.57*	5.10**	0	0	0	0	.16*	11.55*
1114B	WHITTIER NARROWS DAM	.14	1.42	2.22	.70	.44	1.65	5.38	0	0	T	.39	.67	13.01
1115	SAN ANTONIO DAM	.43	2.61	2.66	1.24	.76	1.71	7.55	.07	0	.04	0	.48	17.55
1116	LONG BEACH - SAN ANSELINE	.11	1.37	1.85	.79	.40	2.47	5.70	0	0	0	.11	.49	13.29
1117	PINE CANYON GUARD STATION	.80	3.12	2.20	.43	.29	.78	7.62	.13	.03	.23	.66	.90	17.39
1118B	LAKEWOOD	.13*	1.37	2.21	.58*	.25	1.62	5.66*	0	T	0	.21*	.09*	12.12*
1119B	ATMORE MEADOW	.79	2.12	6.01	.68	.39	1.53	9.49	.08	.11	.23	.17	.90	22.50
1120	DAWSON SADDLE	0	2.31	1.03	.78	.26	1.71	10.41	0	.26	.03	.18	.56	17.53
1121C	BARLEY FLAT	.84	3.61	3.11	.89	.80	1.49	7.78	T	.02	.65	.29	.84	20.32
1122	COOKS DEBRIS BASIN	.50	2.11	2.32	.91	.72	1.01	8.07	.14	.18	.03	.02	2.56	18.57
1123	CIMA MESA - FARVUE RANCH	.47	1.02	.26	.17	.13	1.21	3.95	.01	.01	.04	N.R.	N.R.	INC.
1124B	RED BOX GAP	.32	4.30*	3.51	1.17	.80	1.88	13.78*	0	.07*	.50*	.38*	1.58	28.29*
1125	LA PUENTE	.23	1.47	1.98	.58	.53	1.48	7.86	.09	T	.10	.05	.48	14.79
1126	LOS ANGELES WATER DEPARTMENT - EAST VALLEY	.46	1.70	1.45	.77	.13	.92	5.57	0	.06	.02	.01	.83	11.92
1127	WEST BURBANK	.44	2.09	1.75	.76	.36	1.09	6.70	0	.07	.09	.04	.89	14.22
1128	WRIGHTWOOD FIRE STATION	1.01	3.39	.77	.40	.19	1.10	4.92	.05	.73	.47	1.09	.45	14.57
1129	NICHOLAS CANYON	.66	1.48	3.52	.66	.16	2.90	5.26	0	0	0	0	.06	14.70
1130	PUZZLE SPRINGS RANCH	.33	1.65	0	N.R.	N.R.	1.20	4.14	0	.20	.15	5.14	N.R.	INC.
1132	OAK FLAT GUARD STATION	.78	1.93	4.00	.39	T	1.61	8.63	T	0	.18	.20	.56	18.28
1133	FISH CANYON	.51	4.51	4.29	2.04	.90	2.35	11.00	.37	.51	.82	.06	1.73	29.09
1135B	LUNADA BAY	.27	.78	1.35	.46	.19	1.44	3.89	T	.03	T	T	.02	8.43
1136	DUARTE FIRE STATION	.33	2.51	1.80	.85	.62	1.73	7.18	.10	.16*	.86*	0	1.08*	17.22*
1137B	STOUGH PARK	.47	1.99	.97	.92	.35	1.10	6.53	0	.12	.04	T	1.25	13.74
1138	MT. DISAPPOINTMENT	.92	4.58	4.19	.95	1.07	2.08	13.60*	0	0	.46	.29	1.64	29.78
1140	ROSEMEAD	.29	1.67	1.86	.80	.13	1.71	6.03	.01	.06	.01	.29	.99	13.85
1141B	SPRING CANYON	.65	.71	.34	.20*	.05	1.09	6.18	0	0	.11	.05	.59	9.97**
1142	SOLEDAD CANYON - BERMITE POWDER CO.	.43	1.35	1.18	.15	.13	1.29	6.29	0	0	.06	.05	.52	11.45
1143	LITTLE TUJUNGA - ABOVE GOLD CREEK	.40	2.96	2.27	.97*	.46*	1.11*	7.57	0	0	.15*	.08	2.17	18.04**
1144	SAN GABRIEL - NORTH FORK	.56	2.75	2.36	1.02	1.43	1.37	9.36	T	.23	T	0	.85	19.93
1145	UPLAND	.33	2.44	2.08	1.53	.56	1.90	6.75	.05	.07	.07	0	.93	16.71
1146	SANTA ANITA CANYON - HELIPORT	.62	3.98	4.98	1.68	1.64	1.58	14.83	.08	.23	.96	.23	1.70	32.51
1147	EL CABALLERO COUNTRY CLUB	.42	1.41	4.52	.70	.34	2.24	7.70	0	0	0	.35	.14	17.82
1148	SAN JOSE HILLS - GALSTER RANCH	.20	1.39	1.94	.65	.50	2.17	7.02	.11	0	0	0	.68	14.66
1149	SUNLAND	.56	2.89	1.52	.32	.28	1.30	7.85	0	.02	.13	.16	1.17	16.20
1150	LOPEZ CANYON GUARD STATION	.80	3.05	3.47	.94	.43	2.16	6.66	.02	0	.18	0	2.61*	20.32**
1151	BRIGDEN RESERVOIR NO. 1	.48	2.84	1.85	1.06	.56	1.13	7.91	.40	.19	.06	.17	1.88	18.53
1152	CLEAR CREEK RANGER STATION	.68	3.48**	3.90*	1.34	1.06	1.54	9.73	0	0	.21*	.19*	1.06	23.19**
1153	KRATKA SKI LIFT	.86	3.73	4.55	1.24	1.42	.67*	12.12	.01*	.16*	.02*	0	1.18*	25.96**
1154	PALM ROCK RANCH	.10*	.70	.02*	.03*	.01*	.17	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1155	LAWNDALE	.40	1.35	2.17	.41	.16	2.16	4.34	0	0	0	.05	0	11.04
1156	LOS ANGELES - TEMPLE AND FLOWER	.23	1.32	1.60	.64	.22	1.31	5.88	0	T	T*	.01*	1.77*	12.98*
1157	SAN FERNANDO STATE COLLEGE	N.R.	N.R.	N.R.	INC.	N.R.	INC.	5.19	N.R.	N.R.	N.R.	.30	N.R.	INC.

TABLE VII (Continued)

SUMMARY OF MONTHLY RAINFALL IN INCHES

SEASON 1964–65

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
1158	TORRANCE MUNICIPAL AIRPORT	.15	1.03	2.27	.44	.37	1.73	5.06	T	.02	.02	T	.05	11.14
1159	SHORTCUT CANYON – WEST FORK	N.I.	N.I.	N.I.	N.I.	INC.	INC.	INC.	INC.	.05	.59	.58	1.09	INC.
1160	SAN GABRIEL CANYON WEST FORK – HELIPORT	.65	4.25	4.78	.80	1.07	1.94	12.36	0	.05*	.55	.24	.81	27.51**
1161	LA CRESCENTA – GREGG	.54	3.09	3.65	1.21	1.07	1.36	8.86	.31	.24	.10	.13	2.11	22.67
1162	IRON MOUNTAIN	1.09	4.23	2.78	1.32	.78	1.29	13.09	.05	.09	.31	.20	1.08	26.31
1163	BEAR CANYON – CRYSTAL LAKE ROAD	.63	3.74	3.40	.93	.92	2.22	15.22	0	.08	.06	.40	1.21	28.81
1164	WALTERIA LAKE PUMP STATION	.27	1.06	2.05	.40	.31	1.54	3.74	0	.02	.01	.01	.04	9.45
1165	GARAPATA CREEK	.35	1.40	3.43	.60	.34	2.80	6.98	0	0	0	.19*	.20*	16.29**
1166	MILE HIGH	.25*	2.37	.07	.07	.15	.87	4.36	0	.14	.37	.35	.60	9.60**
1167	FENNER CANYON	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	0	N.R.	N.R.	1.02	INC.
1168	REYNOLDS RANCH – HUNGRY VALLEY	.47	1.20	.65	.03	.09	1.52	3.92	.05	0	.26	1.36	.15	9.70
1169	PIRU LAKE	.55	1.43	5.72	.42	.58	1.00	6.60	0	0	.15	.27	.37	17.09
1170	WATER WORKS DISTRICT NO. 6	.65	1.00	2.67	.48	.35	2.04	5.52	0	0	0	.01	.54	14.26
1171	CAMULOS RANCH	.48	1.07	3.30	.51	.12	2.04	6.09	0	0	.13	.20	.34	14.28
1172	PIRU CANYON – ABOVE PIRU LAKE	.50	1.23	5.46	.14	.22	.46	6.20	0	0	.17	.27	.20	14.85
1173	TAPO CANYON	.59	1.25	4.43	.73	.48	2.18	6.62	0	0	0	.26*	.79*	17.33**
X12C	WILSONA	.11	.63	0	.02	T	.50	1.50	0	N.I.	N.I.	N.I.	N.I.	INC.
X15B	HI VISTA	.25	.85	.45	.07	.04	.59	1.20	0	0	.17	.40	.04	4.06
X19	COOKS CANYON	.72	3.27	2.07	1.08	.74	.98	8.29	.24	.26	0	.39	2.33	20.37
X21B	DUNSMORE CANYON – UPPER	.58	3.31	3.49	1.03	.98	.64	9.17	0	.17	0	.15	2.98	22.50
X22	ISLIP SADDLE	.75	3.25	3.94	.97	1.03	1.60	15.49	0	.25	.06	.40	1.20	28.94
X23	DORR CANYON	.81	4.06	1.06	.67	.39	1.60	11.35	.07	.35	0	.32	1.09	21.77
X24	GRASSY HOLLOW	.31	4.19	1.68	.52	.67	.75	5.75	0	.84	.37	2.04	.69	17.81
X25	BEAR GULCH	.62	3.62	2.75	1.04	.97	1.55	11.45	.11	.69	.37	2.60	.88	26.65
X26	BLUE RIDGE	.29*	2.07	.97*	.38	.40	.40	2.95	0	.52	.43	2.41	.52	11.34**
X27	GUFFY'S CAMP	.74	3.63	1.37	.74	.84	1.29	9.64	.06	.39	.33	2.47	.83	22.33
X28B	HOLIDAY HILL	.63	2.52	1.31	.45	.65	.49*	8.00	0	.27	.42	2.35	.40	17.49**
X29	PINE MOUNTAIN	.10	INC.	3.78	N.R.	1.50	INC.	INC.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
X33	EAGLE DEBRIS BASIN	.47	2.64	3.06	1.07	.96	.92	6.84	.15	.15	.05	.08	2.16	18.55
X35	VERDUGO MTS. – HILLCREST CANYON	.39	2.02	1.86	.80	.55	.94	7.33	0	.11*	0	.05	2.06	16.11**
X36	VERDUGO MTS. – HENDERSON CANYON	.45	2.11	2.95	1.01	.73	1.10	7.97	0	.12*	0	.05	2.19	18.68**

LEGEND

* ESTIMATE > 10% OF TOTAL
** ESTIMATE < 10% OF TOTAL
INC. INCOMPLETE RECORD
N.I. NOT INSTALLED
N.R. NO RECORD

TABLE VIII

RAIN GAGE STATION LOCATION

SEASON 1963–64

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
2B	SA	22-25	1050	34 02 55	118 46 25	DAVID HELLER	4130 S. LATIGO CANYON ROAD, MALIBU, SANTA MONICA MTS.
3B	S	34-09	975	34 06 20	118 47 29	DEAN A. GODDARD	30518 W. MULHOLLAND HIGHWAY, CORNELL, SANTA MONICA MTS.
4B	S	34-49	800	34 06 11	118 45 16	HENRY R. READ	28960 CRAGS DRIVE, SOUTH AT MALIBU LAKE, SANTA MONICA MTS.
5B	S	35-64	924	34 09 24	118 38 14	TOM FARMER	4803 EL CANON AVENUE, CALABASAS
6	SA	24-01	745	34 05 03	118 35 57	FIRE STATION PERSONNEL	SOUTH OF TOPANGA POST OFFICE, 401 S. TOPANGA BOULEVARD, SANTA MONICA MTS.
9B	SP	48-96	828	34 13 52	118 28 04	NURSERY PERSONNEL	8845 SEPULVEDA BOULEVARD, SEPULVEDA
10	SA	25-51	540	34 05 11	118 26 45	MIKE MC NALLY	701 STONE CANYON ROAD, BEL AIR HOTEL, WEST LOS ANGELES
11C	SP A	37-87	867	34 07 14	118 24 38	L.A.W.D. PERSONNEL	UPPER FRANKLIN CANYON RESERVOIR, 2300 FRANKLIN CANYON ROAD, SANTA MONICA MTS.
12	S	37-97	1100	34 07 45	118 24 20	S.H. WALTMAN	12601 MULHOLLAND DRIVE AT FRANKLIN CANYON, SANTA MONICA MTS.
13B	S	38-34	593	34 09 23	118 21 56	KATIE BLIX	10634 WEST BLIX STREET, NORTH HOLLYWOOD
14B	SP	49-46	1100	34 14 19	118 21 33	E.S. MERRILL	10459 TUXFORD STREET, SUN VALLEY, VERDUGO MTS.
15B	SA	37-42	695	34 10 42	118 27 28	R.F. RIEDER	14391 W. CALIFA STREET, VAN NUYS
17	S	37-06	1425	34 07 51	118 29 26	L.A.F.D. PERSONNEL	16500 MULHOLLAND DRIVE, WEST OF SEPULVEDA CANYON, SANTA MONICA MTS.
20B	S	35-84	986	34 09 07	118 36 36	L.A.W.D. PERSONNEL	GIRARD RESERVOIR, 4712 SAN FELICIANO DRIVE, WOODLAND HILLS
21	S	36-02	891	34 10 16	118 35 56	MRS. H. BAYLY	5545 CANOGA AVENUE, WOODLAND HILLS
23-E	SP AP	46-87	865	34 13 34	118 36 58	L.A.W.D. PERSONNEL	EAST END CHATSWORTH RESERVOIR, WEST END SAN FERNANDO VALLEY
24D	S	46-94	957	34 15 23	118 36 19	L. BATWAY	10202 TOPANGA CANYON BOULEVARD, CHATSWORTH
25C	SP	47-56	810	34 13 52	118 32 28	L.A.W.D. PERSONNEL	19718 RAYEN STREET, NORTHRIDGE
27B	S	48-55	902	34 14 57	118 26 40	GLEN C. RADDATZ	14333 VAN NUYS BOULEVARD, PACOIMA
28F	SP	48-32	977	34 16 40	118 28 06	CHARLES MAULE	11333 SEPULVEDA BOULEVARD, SAN FERNANDO
29C	S	47-71	1300	34 17 24	118 31 30	C. VARA	18000 MAYERLING STREET, GRANADA HILLS
30B	SP	59-28	1250	34 18 37	118 28 15	MIKE FUSANO	13143 SAN FERNANDO ROAD, SYLMAR
31	S	58-27	2850	34 19 28	118 34 14	W.J. WILLETT	ORCUTT RANCH, SANTA SUSANA MOUNTAINS AT HEAD OF RICE CANYON
32C	S	58-61	1243	34 23 07	118 31 54	L.A. CO. F. & F.W. PERSONNEL	24875 SAN FERNANDO ROAD, NEWHALL
33A-E	SA	60-07	1500	34 19 48	118 23 59	EDWARD K. BARR	BELOW PACOIMA DAM AT CARETAKER'S HOUSE, SAN GABRIEL MTS.
39B	8.81	50-19	1610	34 12 18	118 17 05	L.A.C.F.C.D. PERSONNEL	SUNSET DAM, VERDUGO MTS., NORTH OF BURBANK
42C	S	7-15	70	33 50 43	118 23 20	F.M. ARNOLD	415 DIAMOND STREET, REDONDO BEACH
43D	S	2-00	216	33 47 58	118 23 29	ANTHONY A. BILOTTI	340 PALOS VERDES DRIVE WEST, PALOS VERDES ESTATES
44A	S	1-95	125	33 44 30	118 24 38	G.W. TAYLOR	POINT VICENTE LIGHTHOUSE, SOUTHWEST OF PALOS VERDES DRIVE WEST
46D-E	SA	51-10	2315	34 17 40	118 11 14	WILLIAM L. CROKE	BIG TUJUNGA DAM, WEST OF SPILLWAY, SAN GABRIEL MTS.
47D	SA	51-22	3150	34 16 38	118 10 12	BOB AMBROSE	CLEAR CREEK, 1.6 MILES ABOVE BIG TUJUNGA CANYON, SAN GABRIEL MTS.
48B	S	51-15	2175	34 14 37	118 11 07	U.S.F.S. PERSONNEL	OAK WILDE - ARROYO SECO, SAN GABRIEL MTS.
50B	S	40-10	1155	34 11 52	118 11 05	L.A. CO. F. & F.W. PERSONNEL	312 W. GEORGIAN ROAD, PASADENA
51	S	65-69	4010	34 18 06	117 50 20	B.J. BIERKE	FALLING SPRINGS RESORT, SAN GABRIEL CANYON, NORTH FORK, SAN GABRIEL MTS.
52C	SA	51-53	3300	34 15 58	118 08 37	U.S.F.S. PERSONNEL	SWITZER'S RANGER STATION - ARROYO SECO, SAN GABRIEL MTS.
53D	SA	62-89	3620	34 18 05	118 06 39	ELMERTA B. BENNETT	23828 N. ANGELES FOREST HIGHWAY, COLDWATER CANYON, SAN GABRIEL MTS.
54C	SP A	63-55	4325	34 20 55	118 02 54	W.J. MORAN	ALDER CREEK ABOVE BIG TUJUNGA CANYON, SAN GABRIEL MTS.
57B-E	SP A	52-04	4250	34 15 18	118 05 41	FRANK X. BENTON	OPID'S (CAMP HI HILL), WEST FORK SAN GABRIEL RIVER, SAN GABRIEL MTS.
58	S	52-67	3275	34 13 21	118 01 52	LOUIS LUEBKERT	STURTEVANT CAMP, SANTA ANITA CANYON, SAN GABRIEL MTS.
60A	S AP	52-69	2500	34 12 32	118 02 02	LOUIS LUEBKERT	WINTER CREEK WEST OF SANTA ANITA CANYON, SAN GABRIEL MTS.
63C-E	SA	41-81	1400	34 11 03	118 01 12	ROBERT E. SANDERS	SANTA ANITA DAM, AT SANTA ANITA CANYON, SAN GABRIEL MTS.
66	S	41-54	658	34 09 27	118 02 36	RICHARD LAWYER	415 ORANGE GROVE AVENUE, SIERRA MADRE
67F	4½"P	41-95	560	34 08 57	118 00 04	G. DAUGHERTY	119 WEST PALM AVENUE, MONROVIA
68B	SA	42-12	1378	34 10 34	117 59 14	BUFORD E. ROBB	SAWPIT DAM, SAWPIT CANYON, SAN GABRIEL MTS.
70D	SA	42-93	770	34 09 46	117 54 15	JAMES R. RITTENHOUSE	8611 N. SAN GABRIEL CANYON ROAD, AZUSA
73	S	43-54	1165	34 09 22	117 50 57	DR. T.G. KENNARD	20747 PALM DRIVE, MOUTH OF ENGLEWILDE CANYON, GLENDORA
76B	S	54-57	1500	34 13 33	117 50 48	E.K. DEVORE	ABOVE SAN GABRIEL DAM, SAN GABRIEL CANYON, SAN GABRIEL MTS.
80B	ST	67-06	5640	34 20 20	117 41 30	L.A.C.F.C.D. PERSONNEL	PRAIRIE FORK, 2.5 MILES UPSTREAM FROM VINCENT GULCH, SAN GABRIEL MTS.
81B	ST	66-42	6590	34 22 26	117 45 05	L.A.C.F.C.D. PERSONNEL	ANGELES CREST HIGHWAY, AT VINCENT GAP, SAN GABRIEL MTS.
82F	S	67-11	7420	34 22 56	117 40 39	C.F. CAPEN	TABLE MOUNTAIN, NORTHEAST OF BIG PINES RECREATION PARK, SAN GABRIEL MTS.
83B	SA	67-12	6860	34 22 44	117 41 20	U.S.F.S. PERSONNEL	BIG PINES RECREATION PARK, ANGELES CREST HIGHWAY, SAN GABRIEL MTS.
85G	SA	56-46	4275	34 14 12	117 39 32	U.S.F.S. PERSONNEL	MT. BALDY GUARD STATION, SAN ANTONIO CANYON, SAN GABRIEL MTS.
87B	AP	44-33	1485	34 10 04	117 46 02	U.S.F.S. PERSONNEL	9292 NORTH MAINFORK, SAN DIMAS CANYON, SAN GABRIEL MTS.
89B-E	SA	44-24	1350	34 09 10	117 46 17	JAMES E. REVIS	SAN DIMAS CANYON, BELOW SAN DIMAS DAM
90	S	44-45	1680	34 09 00	117 45 32	HAROLD GEHRE	6025 BRYDON ROAD, LA VERNE
91	S	44-87	1403	34 07 22	117 43 11	TOM ALLEN	2945 INDIANHILL BOULEVARD, CLAREMONT
92	SA	32-90	1185	34 05 48	117 42 33	ROBERT J. CHAMBERS	POMONA COLLEGE AT BRACKETT OBSERVATORY, CLAREMONT
93B	8.81	32-80	1180	34 05 45	117 42 57	POLICE DEPARTMENT PERSONNEL	215 WEST SECOND STREET, CLAREMONT
95	S	43-99	955	34 05 26	117 48 19	L.A. CO. F. & F.W. PERSONNEL	114 EAST FIRST STREET, SAN DIMAS
96B-E	SA	31-90	1030	34 05 30	117 48 22	GEORGE H. SHEPHERD, JR.	PUDDINGSTONE DAM AT CARETAKER'S HOUSE, SAN JOSE HILLS
99B	S	43-06	615	34 07 57	117 53 32	C.A. MEYER	18352 EAST FOOTHILL BOULEVARD, AZUSA
101C	S	30-43	355	34 03 54	117 57 07	MRS. WILLIAM J. KELLER	1300 SUNKIST AVENUE, WEST COVINA
102C	S	31-29	488	34 00 12	117 52 14	L.A. CO. F. & F.W. PERSONNEL	19711 EAST VALLEY BOULEVARD, WALNUT
106D	S	16-62	320	33 58 27	118 01 58	K.R. WARREN	333 EAST PENN STREET, WHITTIER
107C	8.81	15-66	130	33 56 18	118 08 03	FIRE DEPARTMENT PERSONNEL	11435 SOUTH DOWNEY AVENUE, DOWNEY
108D	SA	29-52	275	34 04 30	118 02 30	FIRE DEPARTMENT PERSONNEL	119 SOUTH HOYT AVENUE, EL MONTE
109D	S	41-27	547	34 07 42	118 04 22	L.A. CO. F. & F.W. PERSONNEL	7225 NORTH ROSEMEAD BOULEVARD, SAN GABRIEL
110B	S	40-69	533	34 06 05	118 07 52	LE ROY MOELLER	SOUTHWEST CORNER OF GARFIELD AVENUE AND MC LEAN STREET, ALHAMBRA
111	SP	40-48	690	34 06 58	118 09 05	FIRE STATION PERSONNEL	1424 MISSION STREET, SOUTH PASADENA
116D	SA	13-43	135	33 57 54	118 21 15	FIRE STATION PERSONNEL	11 REGENT STREET, INGLEWOOD
117F	S	8-70	78	33 53 42	118 13 34	FIRE STATION PERSONNEL	201 SOUTH ACACIA STREET, COMPTON
118C	S	3-40	40	33 47 27	118 15 30	HAROLD M. EDWARD	401 EAST M STREET, WILMINGTON
119F	S	25-34	396	34 03 27	118 27 37	SECURITY GUARD PERSONNEL	NATIONAL MILITARY HOME, WILSHIRE BOULEVARD AND SEPULVEDA BOULEVARD, SAWTELLE
120	S	74-51	3135	34 29 17	118 08 27	L.A. CO. F. & F.W. PERSONNEL	1533 SIERRA HIGHWAY, VINCENT
122F	S	96-18	3200	34 37 12	118 17 06	RALPH RITTER	8755 CALVA STREET, PALMDALE, NORTH OF AMARGOSA CREEK
124B-E	AP	84-31	3050	34 35 14	118 21 45	L.A.W.D. PERSONNEL	NORTHWEST OF SPUNKY CANYON ROAD AND BOUQUET CANYON ROAD, ABOVE BOUQUET RESERVOIR
125B	SP	63-40	2105	34 35 25	118 27 15	POWER HOUSE OPERATOR	POWER PLANT NO. 1, UPPER SAN FRANCISQUITO CANYON, SIERRA PELONA
126B	S	12-40	55	33 59 32	118 27 39	L.A.F.D. PERSONNEL	FIRE STATION, 1930 SHELL AVENUE, VENICE
127B-E	SP	70-71	1511	34 28 55	118 31 32	EDWARD FIELDS	DRY CANYON DAM, 2 MILES ABOVE SAN FRANCISQUITO CANYON ROAD, NORTH OF SAUGUS
128B	SA	95-39	2075	34 36 28	118 33 40	E.E. STUDLEY	WARM SPRINGS CAMP, 38200 N. LAKE HUGHES ROAD, CASTAIC
130B	S	106-85	4025	34 44 37	118 42 43	PHILLIP B. GOODELL	47376 OLD RIDGE ROUTE, SANDBERG, LIEBRE MOUNTAIN
134	S	44-07	1110	34 07 39	117 47 42	A.L. STEVENS	1515 SYCAMORE CANYON ROAD, SAN DIMAS
135	S	10-30	85	33 53 52	118 04 00	C.J. HARGITT	12450 MAPLEDALE STREET, NORWALK
139B	SP AP	27-54	450	34 03 09	118 14 46	W.A. WILDE	316 WEST SECOND STREET, LOS ANGELES
140C	AP	25-55	250	34 02 43	118 26 55	L.A. CITY PERSONNEL	1650 SOUTH PURDUE AVENUE, WEST LOS ANGELES
143B	S	42-96	610	34 08 03	117 54 17	ARTHUR H. BROWN	CITY HALL, 213 E. FOOTHILL BOULEVARD, AZUSA
144	S	41-52	1100	34 10 34	118 02 32	CHARLES ASKEW	BELOW SIERRA MADRE DAM, SIERRA MADRE CANYON, NORTH OF SIERRA MADRE
155B	S	87-79	3020	34 30 20	118 01 40	MYRTLE BRESLIN	BELOW LITTLE ROCK DAM, 34270 CHESEBORO ROAD, PALMDALE
156	SA	10-81	86	33 53 13	118 00 56	LYNN EDWARD	14758 ALONDRA BOULEVARD, LA MIRADA
157B	S AP	12-88	150	33 54 57	118 25 05	DON MORGAN	STANDARD OIL REFINERY, EL SEGUNDO BOULEVARD AND CONCORD STREET, EL SEGUNDO
158	SP AP	55-39	2750	34 12 20	117 45 40	U.S.F.S. PERSONNEL	TANBARK FLATS, WEST FORK SAN DIMAS CANYON, SAN GABRIEL MTS.
167B	S	41-64	611	34 09 31	118 02 01	EARL C. PULSIFER	67 WEST ORANGE GROVE AVENUE, ARCADIA
169-E	SP	41-63	700	34 09 47	118 02 21	CHARLES ASKEW	621 EAST SIERRA MADRE BOULEVARD, SIERRA MADRE
170D	S	29-15	285	34 02 34	118 04 50	GORDON SMITH	1118 NORTH WALNUT GROVE AVENUE, SOUTH SAN GABRIEL
172B	S	42-35	548	34 08 26	117 58 02	W.B. BENGEL	1101 SOUTH OAK STREET, DUARTE
174	SP	43-86	960	34 07 57	117 49 09	L.A. WARREN	2305 EAST ALOSTA AVENUE, GLENDORA
175B	S	50-87	2020	34 13 39	118 12 40	LA CANADA IRRIG. DIST. PERSONNEL	1443 FOOTHILL BOULEVARD, LA CANADA
176	SP	40-61	1125	34 10 55	118 08 15	MAXINE LONG	583 SACRAMENTO STREET, ALTADENA
177F	S	51-09	1260	34 12 14	118 11 40	J.P. AP ROBERTS	4603 ORANGE KNOLL, LA CANADA
178C	SA	43-18	620	34 06 38	117 52 50	L.A.C.F.C.D. PERSONNEL	5402 BEN LOMOND AVENUE, GLENDORA
179G	SA	41-32	1180	34 10 25	118 03 38	L.A.C.F.C.D. PERSONNEL	BAILEY CANYON ABOVE DEBRIS DAM, SIERRA MADRE
185	S	43-46	822	34 06 23	117 51 33	MRS. L.M. WEST	460 EAST BENNETT STREET, GLENDORA
190B	SA	59-37	1490	34 19 46	118 28 00	PAUL ARIAS	15501 WEST FOOTHILL BOULEVARD, SAN FERNANDO
191B	SA	28-03	400	34 03 46	118 11 54	L.A.C.F.C.D. PERSONNEL	2250 ALCAZAR STREET, LOS ANGELES
192C	8.81	15-12	145	33 58 45	118 11 16	CHIEF J.H. CARROLL	6320 PINE AVENUE, BELL
198B	S	31-21	580	34 04 57	117 52 29	W.B. TEMPLE	19248 PUENTE STREET, COVINA
196B	8.81	44-29	1050	34 06 03	117 46 12	J.G. HENDRICKS	2061 THIRD STREET, LA VERNE
198B	8.81	39-21	890	34 11 04	118 16 32	L.A.C.F.C.D. PERSONNEL	BRAND CANYON AT BRAND DEBRIS BASIN, VERDUGO MOUNTAINS, GLENDALE
199C	S	14-92	147	33 58 33	118 12 25	WILL LOUGH	6900 BISSELL STREET, HUNTINGTON PARK
200	S	70-27	1096	34 25 21	118 34 25	J.W. BECK	SOUTHERN CALIFORNIA EDISON COMPANY SUBSTATION 2.5 MILES WEST OF SAUGUS

TABLE VIII (Continued)

RAIN GAGE STATION LOCATION

SEASON 1963–64

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
201B	SA	17-00	840	33 59 40	117 59 31	DR. E.B. MC GREGOR	14765 HOLLYTREE ROAD, HACIENDA HEIGHTS
208B	S	10-13	52	33 51 48	118 04 58	L.A. CO. F. & F.W. PERSONNEL	18641 SOUTH CORBY AVENUE, ARTESIA
210B	SA	39-21	1250	34 11 18	118 16 20	L.A.C.F.C.D. PERSONNEL	BRAND PARK, VERDUGO MOUNTAINS, GLENDALE
213F	SA	25-43	175	34 03 50	118 21 25	L.A.C.F.C.D. PERSONNEL	HANCOCK PARK, 5801 WILSHIRE BOULEVARD, LOS ANGELES
215F	S	9-72	68	33 52 44	118 07 31	RALPH MC CLURG	9735 PARK STREET, BELLFLOWER
216	SP	39-43	615	34 09 54	118 15 01	J.E. JONES	318 EAST RANDOLPH STREET, GLENDALE
219	S	48-94	955	34 15 21	118 24 24	L.A. CO. F. & F.W. PERSONNEL	12605 OSBORNE AVENUE, PACOIMA
222C	SP	38-10	717	34 11 39	118 23 17	L.A. W.D. PERSONNEL	11803 VAN OWEN STREET, NORTH HOLLYWOOD
223B-E	SA	43-83	1575	34 10 06	117 48 36	GERALD M. THRASHER	BELOW BIG DALTON DAM AT CARETAKER'S HOUSE
224B	S	4-03	180	33 46 05	118 11 28	R.A. BIXBY	FIRST STREET AND PINE AVENUE, LONG BEACH
225	S	9-85	47	33 50 35	118 07 09	E.W. SMEATON	MONTANA RANCH, 5812 EAST ARBOR ROAD, LAKEWOOD
226B	S	38-91	680	34 10 56	118 18 23	CHIEF W.J. TAYLOR	353 EAST OLIVE STREET, BURBANK
227D	S	40-99	472	34 06 18	118 06 32	A.E. BRUINGTON	636 WEST HERMOSA DRIVE, SAN GABRIEL
228B	S AP	26-02	290	34 04 27	118 23 57	F.E. POWER	CITY HALL, 450 NORTH CRESCENT DRIVE, BEVERLY HILLS
235C	SP A	41-10	2550	34 11 36	118 05 18	L.A. CO. F. & F.W. PERSONNEL	HENNIGER FLATS NEAR MT. WILSON TOLL ROAD
237C-E	SP	37-49	865	34 06 21	118 27 13	L.A.W.D. PERSONNEL	STONE CANYON RESERVOIR, 1680 STONE CANYON ROAD, LOS ANGELES
238	SP	38-68	750	34 07 04	118 19 55	L.A.W.D. PERSONNEL	HOLLYWOOD DAM, SANTA MONICA MOUNTAINS
241C	3"P	4-03	116	33 46 12	118 11 32	CITY OF LONG BEACH PERSONNEL	CITY HALL, 205 SOUTH BROADWAY, LONG BEACH
246B	S	26-18	75	34 01 00	118 23 17	CITY OF CULVER CITY PERSONNEL	9815 JEFFERSON BOULEVARD, CULVER CITY
250D	SA	74-05	2625	34 27 02	118 11 55	JOHN V. HEDGECOCK	SOLEDAD AND ARRASTRE CANYON ROADS, ACTON
251	S	50-57	1565	34 13 31	118 14 29	LA CRESCENTA VALLEY WATER DIST.	2908½ FOOTHILL BOULEVARD, LA CRESCENTA
254B	S	30-69	380	34 00 12	117 56 19	JEAN E. WARD	16838 VALLEY BOULEVARD, LA PUENTE
255D	S	31-65	780	34 02 58	117 50 14	WILLIAM TICE	MT. SAN ANTONIO COLLEGE, 1100 NORTH GRAND AVENUE, WALNUT
256C	S	32-44	844	34 03 16	117 45 10	FIRE DEPARTMENT PERSONNEL	590 SOUTH PARK AVENUE, POMONA
257	S	39-17	850	34 07 18	118 17 04	JOHN M. JEFFERS	2650 NORTH COMMONWEALTH AVENUE, GRIFFITH PARK NURSERY, LOS ANGELES
259C	SA	46-92	1254	34 16 39	118 36 13	L.A. CO. F. & F.W. PERSONNEL	21880 MAYAN DRIVE, TWIN LAKES PARK, CHATSWORTH
261B-E	SA	73-20	2910	34 29 31	118 16 30	J.C. FASSOLD	8144 ESCONDIDO CANYON ROAD, 5.5 MILES NORTHWEST OF ACTON
263F	S	32-37	820	34 01 34	117 46 06	RICHARD RIVERA	2500 SOUTH GAREY AVENUE, POMONA
264B	SA	59-81	1850	34 22 55	118 24 40	R.G. HANNUM	EAST OF SAND CANYON ROAD AND PLACERITA CANYON ROAD JUNCTION, SAN GABRIEL MTS.
265D	S	17-74	645	33 57 08	117 55 26	P.J. WEISEL, JR.	1500 FULLERTON AVENUE, PUENTE HILLS
266C	SP	17-04	301	33 57 12	117 59 56	DAVID CEDERSTROM	15305 CARRETERA AVENUE, EAST WHITTIER
269C	SP AP	18-80	870	33 59 40	117 48 54	U.S. CORPS OF ENGINEERS PERSONNEL	DIAMOND BAR HORSE CAMP, DIAMOND BAR BOULEVARD, PUENTE HILLS
270C	S	15-37	90	33 55 18	118 09 44	WILLIS S. MEYERS	7621 BONITA STREET, DOWNEY
272D	S	38-94	470	34 09 21	118 18 02	J.V. ELLERMAN	5201 CRYSTAL SPRINGS DRIVE, LOS ANGELES
273D	S	2-12	1240	33 46 30	118 22 58	ROY W. MC CARRELL	SAN PEDRO HILLS, NORTH OF CREST ROAD AT 28135 HIGHRIDGE ROAD
274B	SP	85-67	3490	34 31 31	118 13 58	MRS. GUY S. LEE	5701 SHANNON VALLEY ROAD, ACTON
275	3"P	40-87	670	34 07 38	118 06 48	DAVID BRUCE	1151 OXFORD ROAD, SAN MARINO
277	S	108-17	3700	34 43 15	118 35 00	JACK BARNETT	25202 WEST PINE CANYON ROAD, 8.7 MILES NORTHWEST OF LAKE HUGHES POST OFFICE
278B	S	26-86	203	34 02 00	118 18 46	FRANK ORDON	CLARK MEMORIAL LIBRARY, 2205 WEST ADAMS STREET, LOS ANGELES
280B	SA	40-01	1345	34 10 57	118 11 47	FIRE STATION PERSONNEL	1028 INVERNESS DRIVE, FLINTRIDGE FIRE STATION, FLINTRIDGE
283C	SA	65-58	5370	34 19 02	117 50 28	U.S.F.S. PERSONNEL	CRYSTAL LAKE, AT PINE FLAT NEAR U.S.F.S. STATION
284D	S	59-22	1485	34 22 37	118 28 43	SAM HURT	GOLDEN OAK RANCH, PLACERITA CANYON, EAST OF NEWHALL
285C	S	25-11	1025	34 05 10	118 28 57	MARTIN BULLINGER	12001 CHALON ROAD, SANTA MONICA MOUNTAINS, WEST LOS ANGELES
287	SP	43-36	782	34 08 22	117 51 54	O.J. HAMMER	224 NORTH GLENDORA AVENUE, GLENDORA
289	SP	15-52	140	33 58 37	118 08 48	S.C.E. CO. PERSONNEL	6301 SOUTH GARFIELD AVENUE, BELL
290B	S	28-75	305	34 02 27	118 07 42	CHIEF H.C. MOORE	2001 SOUTH GARFIELD AVENUE, MONTEREY PARK
291	SA	14-45	121	33 56 56	118 15 17	W.G. HAWKINS	96TH STREET AND CENTRAL AVENUE, LOS ANGELES
292D-E	S AP	36-85	1075	34 08 56	118 30 57	PAUL CUNNINGHAM	ENCINO DAM, ONE MILE SOUTHWEST OF ENCINO, SANTA MONICA MTS.
293-E	SP	48-11	1150	34 17 18	118 28 54	C.W. CARNEY	VAN NORMAN LAKE, LOWER DAM, SAN FERNANDO
294B	SP	41-53	985	34 10 11	118 02 51	CHARLES ASKEW	MIRA MONTE AVENUE AND MT. WILSON ROAD, SIERRA MADRE
295G	S	39-34	530	34 09 07	118 15 40	R. STAPENHORST	409 WEST LEXINGTON AVENUE, GLENDALE
298B	S	105-61	3680	34 47 16	118 49 55	DEWEY RALPH	48901 NORTH GOLDEN STATE HIGHWAY, ONE MILE EAST OF GORMAN
299D	S	88-26	2815	34 32 07	117 58 27	MRS. LENA SCHWAB	8660 EAST AVENUE T8, LITTLE ROCK
303F	SA	40-76	800	34 08 14	118 07 25	DR. N. H. BROOKS	1201 EAST CALIFORNIA STREET, PASADENA
304	SA	42-30	2690	34 11 38	117 57 52	BUFORD E. ROBB	DEER PARK, 1.5 MILES ABOVE SAWPIT DAM, SAN GABRIEL MTS.
306F	S	21-56	25	34 01 52	118 50 30	L.W. AUSTIN	30825 PACIFIC COAST HIGHWAY, MALIBU
311b	SP AP	40-43	918	34 09 48	118 09 27	CRAIG AND OKUBO	1083 MENTONE STREET, PASADENA
312B	S	42-85	682	34 08 54	117 54 48	A.S. BLAIR	ONE MILE NORTHWEST OF AZUSA, 17015 SIERRA MADRE AVENUE, AZUSA
318B	S	66-70	6120	34 23 53	117 43 40	V.B. TAYLOR	NORTHWEST OF JACKSON LAKE, SAN GABRIEL MTS.
321-E	S	96-72	3286	34 40 24	118 25 45	L.A. CO. F. & F.W. PERSONNEL	17021 PINE CANYON ROAD BETWEEN ELIZABETH AND HUGHES LAKES
322	S	110-48	2600	34 42 50	118 21 15	E.S. MUNZ	12701 WEST LANCASTER ROAD, LANCASTER
334B-E	SA	53-45	2300	34 14 37	117 57 35	H.E. WILSON	COGSWELL DAM, WEST FORK, SAN GABRIEL CANYON, SAN GABRIEL MTS.
336-E	SP AP	39-39	455	34 06 08	118 15 54	L.A.W.D. CARETAKER	SILVER LAKE RESERVOIR, LOS ANGELES
338A	S	52-47	5675	34 13 32	118 03 21	T. CRAGG	50 FEET SOUTHWEST OF 60-INCH TELESCOPE, MT. WILSON, SAN GABRIEL MTS.
338B	SP A	52-37	5709	34 13 36	118 03 57	S. VIRGINIA STRICKLAND	POST OFFICE, MT. WILSON, SAN GABRIEL MTS.
339	SP	31-49	533	34 00 13	117 51 09	L.J. RICE	0.5 MILE SOUTHEAST OF WALNUT, 20651 EAST LYCOMING ROAD, WALNUT
341	S	74-44	2900	34 27 33	118 09 20	GEORGE J. BLUM	31880 N. ALISO CANYON ROAD, EAST OF ACTON
342B	S	45-28	1508	34 07 08	117 40 45	J. HOLLAWAY	1526 NORTH BENSON STREET, UPLAND
847-E	S	30-30	386	34 05 36	117 57 40	L.A.C.F.C.D. PERSONNEL	SCOTT PLACE, ONE BLOCK WEST OF MAIN STREET, BALDWIN PARK
349D	8.81	54-35	1510	34 14 28	117 51 45	L.A.C.F.C.D. PERSONNEL	WEST FORK, SAN GABRIEL BELOW NORTH FORK, SAN GABRIEL MTS.
352B	SA	21-22	1620	34 04 38	118 52 47	L.A. CO. F. & F.W. PERSONNEL	LECHUZA PATROL STATION, 1832 SOUTH DECKER ROAD, MALIBU
355B	S AP	27-01	330	34 05 17	118 17 29	JAMES Y. VERNON	855 NORTH VERMONT AVENUE, LOS ANGELES CITY COLLEGE, LOS ANGELES
356C	SA	31-95	690	34 02 31	117 48 35	R.S. HUTCHISON	PACIFIC STATE HOSPITAL, 3530 POMONA BOULEVARD, SPADRA
357	SP AP	59-08	1248	34 18 49	118 29 30	L.A.W.D. PERSONNEL	POWER HOUSE NO. 3, VAN NORMAN LAKE, UPPER DAM, SAN FERNANDO
363C	ST	59-44	3175	34 21 17	118 27 00	L.A.C.F.C.D. PERSONNEL	WILSON CANYON, SOUTH OF SANTA CLARA TRUCK TRAIL, SAN GABRIEL MTS.
364	S	50-23	2450	34 15 50	118 16 13	J.P. KINDRED	50 FEET EAST OF U.S.G.S. GAGING STATION, HAINES CANYON, SAN GABRIEL MTS.
365C	SP	50-53	5040	34 16 05	118 14 06	U.S.F.S. PERSONNEL	SOUTH SLOPE OF MT. LUKENS, SAN GABRIEL MTS.
367	SP A	50-42	3440	34 16 18	118 15 07	J.P. KINDRED	HEAD OF HAINES CANYON, ABOVE DIVERSION DAM, SAN GABRIEL MTS.
372	SP A	82-76	1580	34 32 02	118 31 27	CHIEF J.L. COX	SAN FRANCISQUITO CANYON, POWER HOUSE NO. 2, NORTHEAST OF SAUGUS
373B	SA	50-76	2225	34 14 17	118 13 27	R.T. SIENS	2202 SHIELDS AVENUE, LA CRESCENTA
375B	S	39-16	600	34 08 02	118 17 18	L.M. WENDT	GRIFFITH PARK ZOO, 4730 CRYSTAL SPRING DRIVE, LOS ANGELES
377F	SP	33-25	960	34 08 26	118 52 31	WILLIAM D. FURGUSON	LAKE SHERWOOD, AT FIRE STATION, VENTURA COUNTY
379B	SA	54-96	1600	34 14 09	117 46 18	E.K. DE VORE	SAN GABRIEL CANYON - EAST FORK, 2.7 MILES ABOVE FORKS, SAN GABRIEL MTS.
386C	S	21-71	1500	34 04 58	118 49 38	BEATRICE OAKLEY	505 SOUTH VERA CANYON ROAD, MALIBU, SANTA MONICA MTS.
387B	SP	31-01	508	34 05 02	117 53 57	CARMEN BORROSCO	227 SOUTH HOLLENBECK AVENUE, COVINA
388C	8.81	9-30	70	33 53 30	118 09 36	L.A. CO. F. & F.W. PERSONNEL	15538 SOUTH COLORADO AVENUE, PARAMOUNT
389B	SP	43-35	835	34 08 50	117 52 01	FRANK H. BROWN	229 WEST SIERRA MADRE AVENUE, GLENDORA
390B-E	SP	43-21	1210	34 10 53	117 52 43	DAVID S. BLACKHURST	MORRIS DAM, SAN GABRIEL CANYON, SAN GABRIEL MTS.
391B	8.81	28-98	215	34 00 40	118 06 15	CHIEF L.R. BEECH	140 NORTH SIXTH STREET, MONTEBELLO
394	S	40-28	620	34 07 06	118 10 39	MRS. ELIZABETH S. STEVENS	6425 ELGIN STREET, HIGHLAND PARK, LOS ANGELES
395B	S	59-57	1425	34 19 29	118 26 55	JOSEPH N. JARBOE	OLIVE VIEW SANITARIUM, FOOTHILL BOULEVARD AND COBALT AVENUE, SAN FERNANDO
402F	SA	65-24	6780	34 21 21	117 52 34	E.T. HENSLEY	CEDAR SPRING, 3 MILES WEST OF MT. ISLIP, SAN GABRIEL MTS.
405B	S	73-06	2150	34 26 23	118 17 33	B. CHAPMAN	11.7 MILES EAST OF SOLEMINT ON SOLEDAD CANYON ROAD
406C	S	42-88	505	34 05 53	117 54 56	OLIVER ENGLER	17018 EAST GLADSTONE STREET, WEST AZUSA
407-E	S AP	58-82	1325	34 22 13	118 30 48	U.S.F.S. PERSONNEL	U.S.F.S. DISTRICT HEADQUARTERS, 23610 SAN FERNANDO ROAD, NEWHALL
409	S	93-12	2505	34 40 34	118 46 47	W. PRICE	18 MILES NORTH OF CASTAIC JUNCTION ON EAST SIDE OF GOLDEN STATE HIGHWAY
415	SA	4-30	140	33 47 49	118 10 03	GEORGE I. OSBORNE	CITY HALL, 2175 CHERRY AVENUE, SIGNAL HILL
419B	ST	61-92	5420	34 22 36	118 12 29	L.A.C.F.C.D. PERSONNEL	PACOIMA CANYON ON SANTA CLARA RIDGE, WEST OF MT. GLEASON, SAN GABRIEL MTS.
420C	S	74-07	3000	34 25 41	118 11 52	C.C. BREVIDORO	3.3 MILES SOUTH OF ACTON ON MT. GLEASON TRUCK TRAIL
422F	S	60-35	2125	34 20 48	118 21 52	J.D. BISHOP	TWO MILES ABOVE PACOIMA DAM ON LITTLE TUJUNGA ROAD, SAN GABRIEL MTS.
423A	S	75-08	3910	34 24 56	118 05 27	E.W. SCRIBNER	29047 N. ALISO CANYON ROAD, SAN GABRIEL MTS.
425B-E	SA	54-39	1481	34 12 19	117 51 38	ORBIN R. WATKINS	SAN GABRIEL DAM, NEAR SPILLWAY, SAN GABRIEL MTS.
427B	S	15-53	131	33 57 38	118 08 07	L.W. JORDAN	7518 LUBEC STREET, DOWNEY
432	S	52-89	2035	34 12 32	118 01 03	LOUIS LUEBKERT	SANTA ANITA CANYON, FERN LODGE, SAN GABRIEL MTS.
433C	SA	51-69	1585	34 12 15	118 08 18	L.A.C.F.C.D. PERSONNEL	FAIR OAKS DEBRIS BASIN, ALTADENA
434	SA	34-46	800	34 08 08	118 45 08	L.A. CO. F. & F.W. PERSONNEL	MALIBU DIVISION HEADQUARTERS, 4206 NORTH CORNELL ROAD, AGOURA
435	SA	23-02	600	34 04 41	118 41 35	L.A. CO. F. & F.W. PERSONNEL	MONTE NIDO PATROL STATION, 25801 WEST PIUMA ROAD, SANTA MONICA MTS.
436C	AP	49-03	1110	34 16 08	118 23 59	U.S.C. OF E. PERSONNEL	10960 BORDEN AVENUE, SAN FERNANDO, NORTHEAST OF HANSEN DAM
437	S	4-20	40	33 47 31	118 10 16	L.A.C.F.C.D. PERSONNEL	HAMILTON BOWL, 1911 WALNUT AVENUE, LONG BEACH
440C	S	63-87	5155	34 19 42	118 01 00	U.S.F.S. PERSONNEL	U.S.F.S. STATION, CHILAO, SAN GABRIEL MTS.

TABLE VIII (Continued)

RAIN GAGE STATION LOCATION

SEASON 1963–64

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
441D-E	S	86-82	2662	34 34 25	118 06 45	B. JONES	COUNTY ROAD DEPARTMENT MAINTENANCE YARD, 38126 SIERRA HIGHWAY, PALMDALE
442B	SP	78-53	9840	34 28 05	117 44 51	E.A. EBERLE	31721 NORTH 214TH STREET EAST, LLANO
443B	S	21-80	1700	34 05 35	118 48 52	A.O. BEACH	274 SOUTH BACKUS ROAD, MALIBU, SANTA MONICA MTS.
444D	SA	2-52	400	33 46 45	118 20 33	A. HAYES	25701 ROLLING HILLS ROAD, ROLLING HILLS ESTATES
445B	S AP	44-56	1510	34 08 02	117 44 38	L.A.C.F.C.D. PERSONNEL	LIVE OAK DAM, NORTH OF LA VERNE
446	SA	58-48	2367	34 18 53	118 39 25	TIDEWATER OIL CO. PERSONNEL	5.5 MILES NORTH OF DEVONSHIRE STREET IN ALISO CANYON, SANTA SUSANA MTS.
447C	S	23-56	50	34 02 18	118 38 56	L.A. CO. F. & F.W. PERSONNEL	3970 CARBON CANYON ROAD, MALIBU
449B	S AP	41-03	880	34 10 06	118 05 33	JOHN C. BARR	EATON DAM, 2984 EAST NEW YORK DRIVE, PASADENA
451B	SA	69-83	1066	34 27 52	118 36 57	L.A. CO. F. & F.W. PERSONNEL	30055 GOLDEN STATE HIGHWAY, SAUGUS, SOUTH OF CASTAIC
453C	S AP	40-21	1090	34 11 08	118 10 19	RICHARD E. GARRISON	DEVIL'S GATE DAM, 1055 LA CANADA-VERDUGO ROAD, PASADENA
455B	S	99-61	2395	34 40 57	118 08 02	L.R. POTTER	STATE HIGHWAY MAINTENANCE YARD, 44023 SIERRA HIGHWAY, LANCASTER
456	S	102-84	2680	34 39 02	117 50 57	L. SCHOENBERGER	PIUTE BUTTE, 15701 EAST AVENUE M, LANCASTER
458	S	22-08	115	34 01 10	118 47 46	L.A. CO. F. & F.W. PERSONNEL	28722 PACIFIC COAST HIGHWAY, MALIBU
460B	S	76-64	3980	34 27 34	117 55 57	NOEL NEAL	PLEASANT VIEW MESA, 30900 HARMONY LANE, EAST OF AVENUE 105TH STREET EAST
461	S	26-29	392	34 00 08	118 22 32	G.D. ASHDOWN	NORTH OF SLAUSON AVENUE, WEST OF LA BREA AVENUE, BALDWIN HILLS
462B	S	25-95	185	34 02 54	118 24 06	C. PRIDAY	HILLCREST COUNTRY CLUB, 10000 PICO BOULEVARD, LOS ANGELES
463B	S	25-78	92	34 00 49	118 25 32	JIM ALLISON	11607 CHARNOCK ROAD, MAR VISTA, LOS ANGELES
465C	AP	37-33	683	34 10 06	118 28 11	U.S. C. OF E. PERSONNEL	SEPULVEDA DAM, NORTH OF VENTURA BOULEVARD, WEST OF SEPULVEDA BOULEVARD, VAN NUYS
466B	SA	60-54	3220	34 21 07	118 20 38	J.D. BISHOP	PACOIMA CANYON, DUTCH LOUIE CANYON, SAN GABRIEL MTS.
468	8.81	50-77	1600	34 13 18	118 13 45	L.A.C.F.C.D. PERSONNEL	PICKENS DEBRIS BASIN, NORTH OF FOOTHILL BOULEVARD, EAST OF BRIGGS TERRACE AVENUE
470	SA	63-01	4600	34 23 09	118 05 25	L.A.C.F.C.D. PERSONNEL	NEAR TIE CANYON DIVIDE, MILL CREEK TUJUNGA, SAN GABRIEL MTS.
471	AP	60-98	2750	34 18 57	118 18 02	U.S. C. OF E. PERSONNEL	GOLD CREEK TRUCK TRAIL, ABOVE WATTS RANCH, LITTLE TUJUNGA, SAN GABRIEL MTS.
474B	S	14-84	130	33 57 16	118 12 43	V.J. ALLMENDINGER	8917 STATE STREET, SOUTH GATE
475	S	70-58	1150	34 24 56	118 32 51	NEWHALL RANCH PERSONNEL	NEWHALL LAND AND FARMING COMPANY OFFICE, WEST OF SAUGUS
476D	S	34-06	825	34 07 50	118 47 52	A.M. MONTGOMERY	TRIUNFO CANYON, 3430 TRIUNFO CANYON ROAD, CORNELL, SANTA MONICA MTS.
477D	SA	53-18	4655	34 12 52	117 58 56	H.E. WILSON	WEST OF SPRING CAMP AT HEAD OF EAST FORK - SANTA ANITA CANYON, SAN GABRIEL MTS.
478	SP	77-45	3710	34 26 44	117 51 10	C.C. BEARDSLEY	U.S.F.S. HEADQUARTERS, PEARBLOSSOM HIGHWAY, WEST OF BIG ROCK CREEK, VALYERMO
480B	S	41-49	404	34 06 31	118 03 25	L.A. CO. F. & F.W. PERSONNEL	5945 KAUFFMAN AVENUE, TEMPLE CITY
482	S	27-17	208	34 01 14	118 17 15	H.S. BUTLER	CIVIL ENGINEERING BUILDING, U.S.C., 920 WEST 36TH PLACE, LOS ANGELES
486B	SA	55-83	3960	34 15 49	117 42 41	J.W. WIDMAN	COLDWATER CANYON, 3.5 MILES ABOVE JUNCTION WITH CATTLE CANYON, SAN GABRIEL MTS.
488B	S	49-20	1450	34 17 45	118 22 30	L.A. CO. E. & F.W. PERSONNEL	KAGEL CANYON ROAD AT DEXTER PARK, 12567 N. DEXTER PARK ROAD, SAN FERNANDO
489	S	23-40	1318	34 05 37	118 39 22	MISS B.E. STUNT	COLO CREEK CANYON, SOUTH OF CALABASAS PEAK, STUNT ROAD, SANTA MONICA MTS.
490C	S	101-42	2470	34 40 45	117 57 14	WILLIAM M. KLIEWER	9861 EAST AVENUE K, LANCASTER
491B	S	24-75	320	34 02 38	118 31 36	MRS. C. D. CLEARWATER	855 VIA DE LA PAZ, PACIFIC PALISADES, SANTA MONICA
492	SA	63-98	5275	34 19 05	118 00 30	K. STEVENSON	STATE HIGHWAY MAINTENANCE STATION NEAR CHILAO, SAN GABRIEL MTS.
497	8.81P	44-67	1350	34 07 35	117 43 55	F.E. SLAUGHTER	4652 GLENWAY STREET, CLAREMONT
498	S	51-04	2800	34 15 21	118 11 45	U.S.F.S. PERSONNEL	ANGELES CREST HIGHWAY AT DARK CANYON TRAIL, SAN GABRIEL MTS.
508C	S	51-39	1220	34 12 33	118 10 12	U.S.F.S. PERSONNEL	ARROYO SECO CANYON AT EL PRIETO CANYON, U.S.F.S. RANGER STATION, SAN GABRIEL MTS.
517B	SA	77-17	4615	34 25 12	117 53 11	PHIL LEWIS	PLEASANT VIEW RIDGE, PALLETT CREEK, SOUTH OF VALYERMO
519B	S	97-24	3325	34 39 35	118 22 38	MRS. GEORGE ULLMAN	14370 WEST ELIZABETH LAKE-PINE CANYON ROAD, PALMDALE
542-E	SP	109-79	3050	34 42 15	118 25 40	A.E. MAJORS	LOS ANGELES AQUEDUCT RESERVOIR, 45650 NORTH 170TH STREET WEST, FAIRMONT
560E	S	44-48	1235	34 06 57	117 45 04	LOUIE A. AMASON	240 AMHERST STREET, LA VERNE
564C	S	77-61	3390	34 29 13	117 50 02	R. BLAYLOCK	32810 165TH STREET EAST, LLANO
565B	AP	3-91	11	33 47 16	118 12 08	CITY OF LONG BEACH PERSONNEL	1507 SAN FRANCISCO STREET, LONG BEACH
566	SP AP	4-52	15	33 46 46	118 08 36	C. BOWER	1020 BELMONT STREET, LONG BEACH
575C	SP	4-02	63	33 46 28	118 11 28	J.W. TEED	6TH AND PINE STREETS, LONG BEACH
577F	SP AP	27-54	548	34 03 19	118 14 26	U.S.W.B. PERSONNEL	FEDERAL BUILDING, 312 NORTH SPRING STREET, LOS ANGELES
587B	SP	45-22	2390	34 10 24	117 40 31	S.C.E. CO. PERSONNEL	S.C. EDISON COMPANY POWER HOUSE NO. 1, SAN ANTONIO CANYON, SAN GABRIEL MTS.
588D	ST	51-97	4435	34 13 37	118 06 33	L.A.C.F.C.D. PERSONNEL	MT. LOWE TAVERN RUINS, SAN GABRIEL MTS.
593B	SP	58-69	675	34 24 08	118 44 10	NEWHALL FARMING CO. PERSONNEL	NEWHALL RANCH, NEAR SANTA CLARA RIVER, VENTURA COUNTY
596B	SP	121-19	2895	34 48 10	118 35 10	L.A.W.D. PERSONNEL	NEAR 260TH STREET WEST AND AVENUE B, NEENACH, ANTELOPE VALLEY
610B	SP	40-55	864	34 09 54	118 08 36	CRAIG AND OKUBO	CITY HALL, GARFIELD AVENUE AND RAMONA STREET, PASADENA
611C	8.81	40-81	1186	34 10 48	118 07 01	L.A.C.F.C.D. PERSONNEL	ALTADENA GOLF COURSE DEBRIS BASIN, ALTADENA
612	SP	51-39	1181	34 12 27	118 10 00	CRAIG AND OKUBO	CHLORINE PLANT, MOUTH OF ARROYO SECO CANYON, PASADENA
613B	SP	40-46	780	34 07 48	118 09 12	FIRE STATION PERSONNEL	900 SOUTH PASADENA AVENUE, PASADENA
617B	SP	32-23	833	34 03 58	117 46 21	J.E. ADAMSON	931 NORTH WEBER STREET, POMONA
618B	3"P	V. CO.	1010	34 17 12	118 43 06	F.A. SNYDER	TAPO CITRUS ASSOCIATION, WEST OF SANTA SUSANA, VENTURA COUNTY
619	SP AP	56-29	3110	34 12 29	117 40 26	S.C.E. CO. PERSONNEL	SIERRA POWER HOUSE, SAN ANTONIO CANYON, 2½ MILES BELOW MT. BALDY POST OFFICE
627	SP	42-94	744	34 09 20	117 54 28	PASADENA WATER DEPARTMENT	MOUTH OF SAN GABRIEL CANYON AT POWER HOUSE, AZUSA
629C	SP	3-27	85	33 43 15	118 16 17	MARINE EXCHANGE PERSONNEL	WAREHOUSE NO. 1, LOS ANGELES OUTER HARBOR, SAN PEDRO
634C	SP	25-08	138	34 00 43	118 29 27	MARSHALL R. PRESSEY	CITY HALL, 1685 MAIN STREET, SANTA MONICA
662B	AP	9-26	80	33 50 00	118 10 12	GEORGE NELSON	4206 KEEVER AVENUE, LONG BEACH
666C	S AP	9-02	55	33 52 20	118 11 55	LLOYD E. BALL	271 EAST NEECE STREET, LONG BEACH
672	SP	40-14	950	34 09 02	118 10 57	S.C.E. CO. PERSONNEL	7888 NORTH FIGUEROA STREET, EAGLE ROCK
673C	S	4-85	15	33 44 42	118 06 40	L.A.W.D. PERSONNEL	FIRST STREET AND OCEAN AVENUE, SEAL BEACH, ORANGE COUNTY
678	SP	40-32	1052	34 10 39	118 09 56	CRAIG AND OKUBO	SHELDON RESERVOIR, NEAR MONTANA STREET AND ARROYO BOULEVARD, PASADENA
679	SP	30-27	314	34 01 14	117 58 40	DILLON WOOD	14935 EAST CLARK AVENUE, CITY OF INDUSTRY
680B	SP	25-53	500	34 04 10	118 26 30	F A ARSENAULT	U.C.L.A. CAMPUS, ROOF OF MATH.-SCIENCE BUILDING, WESTWOOD
681A	S	41-62	935	34 10 15	118 01 54	U.S.F.S. PERSONNEL	2225 NORTH SANTA ANITA DRIVE, SIERRA MADRE
683	SP AP	51-58	2110	34 12 53	118 08 47	U.S.F.S. PERSONNEL	SUNSET RIDGE GUARD STATION, 4000 CHANEY TRAIL, ALTADENA
691B	8.81	45-14	2090	34 09 20	117 40 55	G.A. RITTER	SAN ANTONIO SPREADING GROUNDS, BELOW SAN ANTONIO CANYON DAM
695B	S	50-71	1850	34 17 12	118 13 32	U.S.F.S. PERSONNEL	2131 WEST BIG TUJUNGA ROAD, TUJUNGA
703	SP	39-54	603	34 09 00	118 14 27	P.T. MC INTYRE	315 NORTH ADAMS STREET, GLENDALE
705	SP	60-87	2330	34 19 48	118 19 03	J.M. SHIFFER	PARADISE RANCH, ALDER CREEK ABOVE LITTLE TUJUNGA CANYON, SAN GABRIEL MTS.
716	SP AP	27-64	306	34 03 09	118 14 13	F.W. PETERS	410 DUCOMMUN STREET, LOS ANGELES
718B	SP	33-52	810	34 10 43	118 50 59	FIRE STATION PERSONNEL	67 ERBES ROAD, THOUSAND OAKS, VENTURA COUNTY
720B	SP	46-33	1085	34 15 40	118 40 10	FIRE STATION PERSONNEL	1262 CYPRESS STREET, SUSANNA KNOLLS, VENTURA COUNTY
722C	S	98-67	2880	34 37 23	118 13 55	PHOEBE S. STRATMAN	40780 NORTH 60TH STREET WEST, LANCASTER
724B	SP AP	43-92	1825	34 10 34	117 48 26	U.S.F.S. PERSONNEL	MONROE CANYON, ABOVE BIG DALTON DAM, SAN GABRIEL MTS.
725B	AP	36-90	728	34 11 29	118 30 17	U.S. C. OF E. PERSONNEL	VICTORY BOULEVARD AND BALBOA BOULEVARD, RESEDA
726B	S AP	51-16	2300	34 14 05	118 11 00	U.S.F.S. PERSONNEL	ANGELES CREST GUARD STATION AT ANGELES CREST HIGHWAY AND FALLS CANYON, ARROYO SECO
727B	S	52-86	4025	34 14 17	118 01 04	H.E. WILSON	NEWCOMB PASS, 2½ MILES NORTHEAST OF MT. WILSON, SAN GABRIEL MTS.
728	SP	60-93	3175	34 21 42	118 18 25	U.S.F.S. PERSONNEL	PACOIMA CANYON BETWEEN NOEL AND GOOSEBERRY CANYONS, SAN GABRIEL MTS.
730	SP	51-77	2950	34 13 30	118 07 47	U.S.F.S. PERSONNEL	NEAR DAWN MINE, MILLARO CANYON, ABOVE ARROYO SECO, SAN GABRIEL MTS.
731	SP	40-20	1080	34 11 47	118 10 29	U.S.F.S. PERSONNEL	OAK GROVE PARK, ABOVE DEVIL'S GATE DAM, PASADENA
732B	ST	53-77	4100	34 13 30	117 55 15	L.A.C.F.C.D. PERSONNEL	SOUTH OF SAN GABRIEL - WEST FORK, WEST OF PINE MOUNTAIN LOOKOUT
734B	SP AP	13-15	126	33 56 32	118 23 12	U.S.W.B. PERSONNEL	5900 AVION DRIVE, LOS ANGELES INTERNATIONAL AIRPORT
735D	S	35-41	945	34 11 24	118 39 30	A.E. FELIX	6689 NORTH VALLEY CIRCLE DRIVE, CANOGA PARK
740B	AP	45-00	5200	34 11 48	117 41 45	U.S.F.S. PERSONNEL	SAN DIMAS CANYON, FERN CANYON, FERN NO. 2, SAN GABRIEL MTS.
741	AP	44-50	2765	34 11 41	117 44 26	U.S.F.S. PERSONNEL	SAN DIMAS CANYON, UPPER EAST FORK, SAN GABRIEL MTS.
742C	SP	41-09	445	34 06 11	118 05 56	FIRE DEPARTMENT PERSONNEL	115 NORTH DEL MAR AVENUE, SAN GABRIEL
746B	SP	K. CO.	2680	35 02	118 09	RADIO STATION PERSONNEL	1.55 MILES ESE AT MOJAVE POST OFFICE, MOJAVE, KERN COUNTY
747	SP AP	106-75	4517	34 44 47	118 43 29	U.S.W.B. PERSONNEL	SANDBERG AIRWAYS, TOP OF BALL MOUNTAIN, SOUTHWEST OF GORMAN
749	SP AP	38-40	699	34 11 47	118 21 11	U.S.W.B. PERSONNEL	LOCKHEED AIR TERMINAL, 2627 NORTH HOLLYWOOD WAY, BURBANK
750	SP	100-18	2528	34 37 20	118 05 00	F.A.A. AIRPORT PERSONNEL	FEDERAL AVIATION AGENCY AIRPORT, 2505 EAST AVENUE P, PALMDALE
755	AP	39-17	900	34 07 32	118 16 58	CITY OF L.A. PERSONNEL	GRIFFITH PARK, LITTLE CANYON, SANTA MONICA MTS.
757	AP	38-98	750	34 07 12	118 18 20	CITY OF L.A. PERSONNEL	GRIFFITH PARK, FERN DELL, SANTA MONICA MTS.
759B	8.81 AP	38-49	478	34 06 22	118 24 00	CITY OF L.A. & L.A.C.F.C.D. PERSONNEL	1944 NICHOLS CANYON ROAD, HOLLYWOOD
760	AP	37-95	680	34 08 29	118 24 26	CITY OF L.A. PERSONNEL	3913 GOODLAND AVENUE, STUDIO CITY
762	AP	37-47	943	34 07 27	118 27 15	CITY OF L.A. PERSONNEL	UPPER STONE CANYON, SANTA MONICA MOUNTAINS
763B	SP	37-29	1300	34 05 25	118 28 26	CITY OF L.A. PERSONNEL	SEPULVEDA CANYON, EAST FIRE ROAD NO. 19, SANTA MONICA MTS.
764	SP	37-59	975	34 06 22	118 26 50	CITY OF L.A. PERSONNEL	STONE CANYON, 2302 RIAL LANE, SANTA MONICA MOUNTAINS
765B	SP	37-26	1325	34 07 52	118 28 42	CITY OF L.A. PERSONNEL	15801 MULHOLLAND DRIVE, SANTA MONICA MOUNTAINS
766	AP	36-97	1625	34 07 38	118 30 03	CITY OF L.A. PERSONNEL	MANDEVILLE CANYON, FIRE ROAD NO. 24, SANTA MONICA MOUNTAINS
767	SP AP	36-98	1225	34 07 12	118 30 12	CITY OF L.A. PERSONNEL	3351 MANDEVILLE CANYON ROAD, SANTA MONICA MOUNTAINS
768	SP	36-87	1465	34 07 19	118 30 52	CITY OF L.A. PERSONNEL	SULLIVAN CANYON, FIRE ROAD NO. 26, SANTA MONICA MTS.
770B	AP	24-44	600	34 03 08	118 33 21	CITY OF L.A. PERSONNEL	SANTA YNEZ CANYON, PASEO MIRAMAR, SANTA MONICA MTS.
771	AP	24-94	265	34 03 06	118 30 32	CITY OF L.A. PERSONNEL	RUSTIC CANYON, SANTA MONICA MTS.
772	AP	27-41	475	34 05 02	118 15 11	CITY OF L.A. PERSONNEL	ECHO PARK BOULEVARD AND LUCRETIA STREET, LOS ANGELES
774	AP	27-52	450	34 04 31	118 14 46	CITY OF L.A. PERSONNEL	BARLOW SANITARIUM, 2000 STADIUM WAY, CHAVEZ RAVINE, LOS ANGELES

TABLE VIII (Continued)

RAIN GAGE STATION LOCATION

SEASON 1963–64

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
777	SP	25-13	418	34 03 45	118 28 51	CITY OF L.A. PERSONNEL	259 NORTH KENTER AVENUE, KENTER CANYON, SANTA MONICA MTS.
778B	SP	25-21	570	34 04 50	118 28 12	CITY OF L.A. PERSONNEL	11817 BELLAGIO ROAD, SEPULVEDA CANYON, SANTA MONICA MTS
779	AP	39-05	625	34 08 48	118 17 48	CITY OF L.A. PERSONNEL	GRIFFITH PARK, LOWER MINERAL WELLS, SANTA MONICA MTS.
783	SP AP	51-28	1350	34 12 47	118 10 12	U.S.F.S. PERSONNEL	MOUTH OF COON CANYON IN ARROYO SECO, SAN GABRIEL MTS.
786	SP	51-37	2250	34 13 18	118 09 47	U.S.F.S. PERSONNEL	0.75 MILE ABOVE MOUTH OF COON CANYON IN ARROYO SECO, SAN GABRIEL MTS.
788	SP	51-38	1710	34 12 56	118 10 00	U.S.F.S. PERSONNEL	0.4 MILE ABOVE MOUTH OF COON CANYON IN ARROYO SECO, SAN GABRIEL MTS.
789	SP	51-47	2325	34 13 32	118 09 19	U.S.F.S. PERSONNEL	2.6 MILES NORTHWEST OF CHANEY TRAIL AND LOMA ALTA DRIVE, ALTADENA
793	SP	52-06	5300	34 14 21	118 05 50	U.S.F.S. PERSONNEL	MARKHAM SADDLE, 0.6 MILE WEST OF MT. WILSON, SAN GABRIEL MTS.
794-E	SP	25-80	585	34 05 43	118 24 40	L.A.W.D. PERSONNEL	LOWER FRANKLIN RESERVOIR, SANTA MONICA MTS.
795	SP	41-15	705	34 08 52	118 05 14	P.W.D. PERSONNEL	NEAR COLORADO STREET AND KINNELOA AVENUE, PASADENA
796	AP	27-61	757	34 04 55	118 14 22	CITY OF L.A. PERSONNEL	REPOSA STREET AND AVALON PARK ROW, ELYSIAN PARK, LOS ANGELES
797	SP	47-12	1127	34 16 17	118 35 12	L.A.W.D. PERSONNEL	NORTH END OF DE SOTO STREET, NORTHEAST OF CHATSWORTH
799	SP	26-39	460	34 00 25	118 21 47	L.A.W.D. PERSONNEL	WEST OF LA BREA AVENUE AND SOUTH OF RODEO ROAD, BALDWIN HILLS
801	AP	61-10	4450	34 23 45	118 17 10	U.S. C. OF E. PERSONNEL	NORTH OF SANTA CLARA DIVIDE ON MAGIC MOUNTAIN, SAN GABRIEL MTS.
802B-E	SP	40-15	963	34 08 47	118 11 22	L.A.W.D. PERSONNEL	HILLMONT AVENUE AND CEDAREDGE AVENUE, EAGLEROCK
807	SP A	28-12	620	34 04 46	118 11 14	L.A.W.D. PERSONNEL	ASCOT RESERVOIR, LYNNFIELD STREET AND BOWMAN BOULEVARD, LOS ANGELES
1000	S	87-38	3263	34 30 48	118 03 37	L.A. BONES	3810 E. AVENUE V, HUNT CANYON, SOUTHWEST OF LITTLE ROCK
1001B	S	52-55	3100	34 14 45	118 02 55	U.S.F.S. EMPLOYEES	SAN GABRIEL RIVER - WEST FORK AT SHORTCUT CANYON, SAN GABRIEL MTS.
1005	S	84-48	2350	34 30 47	118 21 31	R.E. TAGGART	MINT CANYON AND SPADE SPRING CANYON NEAR THE OAKS, NORTHEAST OF SAUGUS
1006	SA	3-05	150	33 44 37	118 17 47	K.C. STEELE	950 WEST FIRST STREET, SAN PEDRO
1007C	S	64-25	5920	34 20 39	117 58 39	R.O. STAVIG	CAMP VALCREST, ANGELES CREST HIGHWAY, NORTHEAST OF CHILAO
1008-E	SA	7-63	65	33 52 07	118 19 55	S.C.E. CO. PERSONNEL	17680 YUKON AVENUE, NORTH OF TORRANCE
1009	S	71-66	1625	34 25 04	118 26 06	JAMES W. DYER	MINT CANYON, 17262 SIERRA HIGHWAY, EAST OF SAUGUS
1010B	SA	44-93	2120	34 09 36	117 42 07	L.A.C.F.C.D. PERSONNEL	PALMER CANYON, 1.5 MILES NORTH NORTHEAST OF THOMPSON CREEK DAM
1011B	S	2-44	1275	33 45 25	118 21 11	L.A. CO. F. & F.W. PERSONNEL	12 WEST CREST ROAD, PALOS VERDES HILLS, NORTHWEST OF SAN PEDRO
1012	S	69-96	1001	34 26 23	118 36 20	NEWHALL FARMING CO. PERSONNEL	CASTAIC JUNCTION, HIGHWAY 99 AND VENTURA HIGHWAY, SOUTH OF CASTAIC
1013B	SA	61-39	1650	34 18 00	118 16 06	L.A.C.F.C.D. PERSONNEL	TUJUNGA CANYON ABOVE GOLD CANYON, SAN GABRIEL MTS.
1014D-E	SA	15-90	155	33 59 25	118 06 33	W. ROPER	8020 EAST WASHINGTON BOULEVARD, RIVERA
1016	S	34-63	1000	34 09 40	118 44 08	S.W. SWANSON	6300 CHESEBORO CANYON ROAD, AGOURA
1017B	SA	75-72	3280	34 28 41	118 01 24	L.A.C.F.C.D. PERSONNEL	LITTLE ROCK CREEK ABOVE LITTLE ROCK DAM, SAN GABRIEL MTS.
1018B	S	57-86	3340	34 20 18	118 36 44	C. DWYER	SANTA SUSANA MOUNTAINS AT HEAD OF DEVIL CANYON
1019	ST	57-34	2850	34 21 24	118 39 42	L.A.C.F.C.D. PERSONNEL	SANTA SUSANA MOUNTAINS AT HEAD OF SALT CANYON
1020B	S	45-05	1800	34 08 52	117 41 55	L.A. CO. F. & F.W. PERSONNEL	PADUA HILLS PATROL STATION, 4349 PADUA AVENUE, CLAREMONT
1022	S	69-12	1725	34 28 44	118 41 04	WESTERN GULF OIL CO. PERSONNEL	HASLEY CANYON, 5 MILES ABOVE JUNCTION AT WESTERN GOLF OIL FIELD
1023B	S	36-27	1415	34 07 44	118 34 42	W. SPEER	GARRAPATA CANYON, MULHOLLAND HIGHWAY AT SANTA MARIA ROAD, SANTA MONICA MTS.
1025	S	22-86	160	34 02 00	118 42 42	PHILLIP DUNNE	24708 PACIFIC COAST HIGHWAY, MALIBU BEACH
1028C	S	22-53	1300	34 03 43	118 44 32	D.W. CRUMP	25385 INGLESIDE WAY, MALIBU, SANTA MONICA MTS.
1029	S	63-10	4970	34 23 25	118 04 50	G. TURNER	TIE CANYON DIVIDE, SOUTH OF ANGELES FOREST HIGHWAY, SAN GABRIEL MTS.
1030	ST	65-65	7520	34 20 50	117 49 57	L.A.C.F.C.D. PERSONNEL	BETWEEN MT. ISLIP AND LITTLE JIMMY SPRINGS, SAN GABRIEL MTS.
1031B	ST	64-66	7960	34 20 23	117 56 21	L.A.C.F.C.D. PERSONNEL	0.25 MILE EAST OF WATERMAN MOUNTAIN, SAN GABRIEL MTS.
1035	SA	16-40	280	33 59 52	118 03 10	WALTER J. WOOD	1411 BEVERLY DRIVE, WHITTIER
1037-E	SA	41-45	565	34 08 48	118 02 59	DAN MARTEL	301 NORTH BALDWIN AVENUE, ARCADIA
1038B	ST	63-72	6880	34 21 40	118 01 44	L.A.C.F.C.D. PERSONNEL	SOUTHEAST OF PACIFICO MOUNTAIN, SAN GABRIEL MTS.
1039B	S	26-72	225	34 04 13	118 19 23	DR. DON MAC QUEEN	245 SO. LARCHMONT BOULEVARD, LOS ANGELES
1040	S	57-60	1150	34 23 50	118 38 18	SUNRAY OIL CO. PERSONNEL	4 MILES SOUTHWEST OF SANTA CLARA RIVER AND HIGHWAY 99, WEST OF NEWHALL
1041B	AP	42-28	427	34 07 04	117 58 24	U.S. C. OF E. PERSONNEL	SANTA FE DAM EAST OF SPILLWAY, SOUTH OF MONROVIA
1046B	S	41-70	2175	34 11 46	118 01 20	LILA ADAMS	CHANTRY FLAT, SANTA ANITA CANYON, SAN GABRIEL MTS.
1048B	S	50-47	1410	34 13 27	118 15 23	O.O. LANGERUD	3916 DUNSMORE AVENUE, LA CRESCENTA
1050	S	35-79	1010	34 06 29	118 37 41	FERMIN GRAY	1535 NORTH VALLEY DRIVE, TOPANGA, SANTA MONICA MTS.
1051B	SP	36-21	800	34 10 51	118 34 23	LEE HAINES	6201 WINNETKA AVENUE, C.W. PIERCE COLLEGE, CANOGA PARK
1052	SP	24-81	660	34 04 51	118 31 10	PAUL WEISS	3000 RUSTIC CANYON, B.S.A. CAMP JOSEPHO, SANTA MONICA MTS.
1053	S	50-02	1500	34 16 42	118 17 43	K.A. SOLOMON	NORTH OF FOOTHILL BOULEVARD, TUJUNGA CANYON, SAN GABRIEL MTS.
1054	S	59-87	1730	34 19 35	118 24 44	FRED IVERSEN	13000 SAYRE AVENUE, SAN FERNANDO
1055B	S	56-92	7735	34 16 29	117 36 35	H. LEFFLER	2.1 MILES SOUTHEAST OF SAN ANTONIO PEAK AT THE NOTCH, SAN BERNARDINO COUNTY
1057B	S	29-56	230	34 02 02	118 02 40	DORIS K. BULLION	1000 NORTH DURFEE AVENUE, WHITTIER NARROWS, EL MONTE
1058B	SP AP	87-01	2595	34 35 17	118 05 31	IRRIGATION DISTRICT PERSONNEL	2005 EAST AVENUE Q, PALMDALE
1059B	ST	65-98	7720	34 18 46	117 48 32	L.A.C.F.C.D. PERSONNEL	SOUTH HAWKINS PEAK, EAST OF CRYSTAL LAKE, SAN GABRIEL MTS.
1060B	SA	76-28	4000	34 25 02	117 58 13	L.A.C.F.C.D. PERSONNEL	LITTLE ROCK CANYON AT SYCAMORE CAMP, SAN GABRIEL MTS.
1062	SA	64-85	6760	34 20 44	117 55 08	U.S.F.S. PERSONNEL	BUCKHORN FLAT, 1.25 MILES NORTHEAST OF WATERMAN MOUNTAIN, SAN GABRIEL MTS.
1063	S	75-00	3520	34 29 35	118 05 28	J.G. JOHNSTON	33458 ANGELES FOREST HIGHWAY, PALMDALE, SAN GABRIEL MTS.
1064B	ST	55-45	2050	34 14 28	117 45 36	L.A.C.F.C.D. PERSONNEL	SAN GABRIEL CANYON - EAST FORK, 1.2 MILES ABOVE CATTLE CANYON, SAN GABRIEL MTS.
1066B	AP	4-92	10	33 46 40	118 06 05	J.E. MC GINNIS	645 LEES STREET, LONG BEACH
1067	ST	75-35	4500	34 26 36	118 04 00	L.A.C.F.C.D. PERSONNEL	HEAD OF SANTIAGO CANYON, 2 MILES EAST OF ANGELES FOREST HIGHWAY, SAN GABRIEL MTS.
1068	S	21-31	1290	34 05 00	118 51 55	L.A. COUNTY SHERIFF PERSONNEL	CAMP NO. 3, RATTLESNAKE CANYON, SANTA MONICA MTS.
1069	ST	55-51	2775	34 16 58	117 44 48	L.A.C.F.C.D. PERSONNEL	SAN GABRIEL RIVER–EAST FORK ABOVE DEVIL'S GULCH, SAN GABRIEL MTS.
1070	S	7-11	182	33 53 00	118 23 19	V. PADDOCK	6TH STREET AND ROWELL AVENUE, MANHATTAN BEACH
1071B-E	S	50-89	1325	34 12 17	118 12 46	MARK ANTHONY	1418 DESCANSO DRIVE, DESCANSO GARDENS, LA CANADA
1072	SP	49-30	1275	34 17 37	118 21 38	U.S.F.S. PERSONNEL	NORTH OF FOOTHILL BOULEVARD, LITTLE TUJUNGA CANYON, SAN GABRIEL MTS.
1073B	SP	87-36	2880	34 32 11	118 03 48	NORMAN E. ROSS	3624 EAST AVENUE T6, PALMDALE
1074	SA	62-52	5600	34 22 43	118 08 57	U.S. ARMY PERSONNEL	WEST OF LITTLE GLEASON ON SANTA CLARA RIDGE, SAN GABRIEL MTS.
1075	AP	44-72	3625	34 10 13	117 43 16	U.S.F.S. PERSONNEL	SAN DIMAS EXPERIMENTAL FOREST AT HEAD OF WOLFSKILL CANYON, SAN GABRIEL MTS.
1076	SP	62-68	2850	34 19 04	118 07 50	ED LUSTER	23200 NORTH ANGELES FOREST HIGHWAY, ABOVE MILL CREEK, SAN GABRIEL MTS.
1077B	S	42-03	962	34 09 58	117 59 37	MONROVIA W.D. PERSONNEL	CANYON BOULEVARD AND OAKGLADE STREET, MONROVIA
1078	SA	31-53	975	34 04 10	117 50 47	E.B. GRIFFITH	20951 EAST VIA VERDE, WEST COVINA
1079	8.81	40-70	1653	34 11 57	118 07 22	L.A.C.F.C.D. PERSONNEL	RUBIO DEBRIS DAM, NORTH OF ALTADENA, SAN GABRIEL MTS.
1080B	SA	42-34	935	34 09 23	117 57 58	L.A.C.F.C.D. PERSONNEL	BRADBURY DEBRIS BASIN, NORTH OF DUARTE, SAN GABRIEL MTS.
1081	S	39-50	1200	34 11 33	118 14 28	L.A.C.F.C.D. PERSONNEL	DEER DEBRIS BASIN, DEER CANYON, VERDUGO MTS.
1082	8.81	50-45	2275	34 14 52	118 15 06	L.A.C.F.C.D. PERSONNEL	DUNSMUIR DEBRIS BASIN, EAST OF TUJUNGA, SAN GABRIEL MTS.
1083	S	42-44	905	34 09 17	117 57 05	L.A.C.F.C.D. PERSONNEL	MADDOCK DEBRIS BASIN, MADDOCK CANYON, NORTH OF DUARTE, SAN GABRIEL MTS.
1085	8.81	49-78	1010	34 12 42	118 19 36	L.A.C.F.C.D. PERSONNEL	MC CLURE DEBRIS BASIN, NORTH OF BURBANK, VERDUGO MTS.
1086	8.81	16-71	495	33 59 18	118 01 30	L.A.C.F.C.D. PERSONNEL	TURNBULL DEBRIS BASIN, NORTHEAST OF WHITTIER, PUENTE HILLS
1087-E	S	49-64	1340	34 15 25	118 20 11	L.A.W.D. PERSONNEL	GREEN VERDUGO RESERVOIR, 10320 SUNLAND BOULEVARD, VERDUGO MTS.
1088B	SA	17-35	445	33 56 55	117 57 51	B. RETTIG	1271 NORTH HACIENDA BOULEVARD, LA HABRA HEIGHTS
1089D	S	24-25	75	34 02 58	118 34 46	HAROLD Z. OAVIS	3221 TOPANGA CANYON BOULEVARD, MALIBU, SANTA MONICA MTS.
1090	SP	10-28	23	33 48 36	118 04 38	A.J. LABOURDETTE	3242 CERRITOS, WEST OF COYOTE CREEK, SOUTH OF SPRING STREET, ORANGE COUNTY
1092	SP	11-03	75	33 51 57	117 59 50	R. AVIS	7681 NINTH STREET, BUENA PARK, ORANGE COUNTY
1093-E	SP AP	11-22	94	33 52 13	117 58 34	ORANGE COUNTY PERSONNEL	COMMONWEALTH AVENUE AND MAGNOLIA STREET AT FULLERTON AIRPORT, ORANGE COUNTY
1094	3"P	17-87	375	33 55 46	117 54 53	UNION OIL CO. PERSONNEL	PUENTE STREET AND CENTRAL AVENUE, LA HABRA, ORANGE COUNTY
1095	SP AP	18-16	600	33 56 07	117 52 58	U.S. C. OF E. PERSONNEL	ORANGE COUNTY RESERVOIR, NORTH OF BREA, ORANGE COUNTY
1096	SP	19-06	670	33 55 53	117 47 43	NORMAN SLATON	CARBON CANYON AT LA VIDA SPRINGS, ORANGE COUNTY
1099	S	29-49	280	34 00 20	118 03 30	IRA D. CATE	10234 STRONG AVENUE, WHITTIER
1102B	ST	52-91	4920	34 16 49	118 00 08	L.A.C.F.C.D. PERSONNEL	SOUTH OF ANGELES CREST HIGHWAY AT HEAD OF BOBCAT CANYON, SAN GABRIEL MTS.
1104	S	83-59	1760	34 30 35	118 27 00	U.S.F.S. PERSONNEL	31251 BOUQUET CANYON ROAD, NORTHEAST OF SAUGUS, SIERRA PELONA
1105B	SP	109-46	2855	34 44 23	118 27 15	H.R. SAVAGE	16333 WEST AVENUE F8 FAIRMONT
1106	SP AP	110-99	2450	34 42 12	118 18 32	WILEY BURGE	10146 WEST AVENUE I, DEL SUR, ANTELOPE VALLEY
1107D	SA	49-76	1160	34 14 13	118 19 37	L.A.C.F.C.D. PERSONNEL	LA TUNA CANYON DEBRIS DAM, SUN VALLEY, VERDUGO MTS.
1108	SA	86-12	2950	34 34 40	118 10 58	MRS. GEORGE HODGES	2712 WEST AVENUE R., PALMDALE
1109	ST	56-71	6650	34 16 53	117 37 00	L.A.C.F.C.D. PERSONNEL	SOUTHEAST OF SAN ANTONIO PEAK, SAN BERNARDINO COUNTY
1110	8.81	39-94	987	34 09 13	118 12 01	L.A.C.F.C.D. PERSONNEL	SCHOLL DEBRIS BASIN, GLEN OAKS BOULEVARD, GLENDALE
1112	ST	54-31	4025	34 17 04	117 51 58	L.A.C.F.C.D. PERSONNEL	WEST OF SOUTH MOUNTAIN, BEAR CANYON, SAN GABRIEL MTS.
1113	SP AP	8-76	30	33 49 54	118 13 30	T.J. CLEMMER	21718 SOUTH ALAMEDA STREET, LONG BEACH
1114B	AP	29-17	239	34 01 29	118 05 02	U.S. C. OF E. PERSONNEL	WHITTIER NARROWS DAM, NEAR LINCOLN BOULEVARD, NORTH OF MONTEBELLO
1115	AP	45-24	2120	34 09 24	117 40 20	U.S. C. OF E. PERSONNEL	BELOW SAN ANTONIO DAM, SAN ANTONIO CANYON, SAN GABRIEL MTS.
1116	S AP	4-70	15	33 47 38	118 07 15	BAYARD MILNOR	2124 SAN ANGELINE AVENUE, LONG BEACH
1117	S	95-90	3810	34 41 55	118 30 35	U.S.F.S. PERSONNEL	21526 PINE CANYON ROAD, LAKE HUGHES
1118B	AP	9-74	55	33 51 45	118 07 43	L.B. UNIFIED SCHOOL DIST. PERSONNEL	5223 BIGELOW STREET, LAKEWOOD
1119B	ST	94-90	4325	34 41 18	118 36 16	L.A.C.F.C.D. PERSONNEL	ATMORE MEADOW, ON SOUTH SOUTH SLOPE OF LIEBRE MOUNTAIN AT HEAD OF FISH CANYON
1120	ST	65-93	7900	34 22 08	117 48 10	L.A.C.F.C.D. PERSONNEL	1/4 MILE SSE OF MT. LEWIS, NORTHEAST SLOPE OF SAN GABRIEL MTS.
1121C	S	52-22	5525	34 16 40	118 04 40	L.A. COUNTY SHERIFF PERSONNEL	BARLEY FLAT, NORTH OF ANGELES CREST HIGHWAY, SAN GABRIEL MTS.
1122	8.81	50-35	2100	34 14 49	118 15 40	L.A.C.F.C.D. PERSONNEL	COOKS DEBRIS BASIN, NORTH END OF BOSTON AVENUE, LA CRESCENTA

TABLE VIII (Continued)

RAIN GAGE STATION LOCATION

SEASON 1963–64

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
1123	SP	76-45	4400	34 26 42	117 57 10	ELEANOR T. OPID	9848 CIMA MESA ROAD, SOUTHEAST OF LITTLE ROCK
1124B	S	51-94	4625	34 15 30	118 06 17	U.S.F.S. PERSONNEL	JUNCTION OF ANGELES CREST HIGHWAY AND MT. WILSON ROAD, SAN GABRIEL MTS.
1125	S	30-78	460	34 01 00	117 55 15	H.J. GRUETER	237 SOUTH PASS AND COVINA ROAD, LA PUENTE
1126	8.81	48-99	780	34 12 30	118 24 35	W. WOODSON	12730 SATICOY STREET, LOS ANGELES
1127	S	38-62	615	34 10 47	118 20 07	FIRE STATION PERSONNEL	2305 WEST BURBANK BOULEVARD, BURBANK
1128	SP	67-64	5960	34 21 34	117 37 57	W. GOODSPEED	APPLE AND CEDAR STREETS, WRIGHTWOOD, SAN BERNARDINO COUNTY
1129	S	20-87	340	34 02 52	118 54 57	M.E. GORDON	34035 PACIFIC COAST HIGHWAY, MALIBU, NICHOLAS CANYON, SANTA MONICA MTS.
1130	S	79-25	4130	34 26 34	117 40 25	TOM BUCHANAN	SOUTHWEST OF HIGHWAY 138 AND FORT TEJON ROAD, PUZZLE CANYON, SAN GABRIEL MTS.
1131B	S	43-39	704	34 06 25	117 51 39	RICHARD JACKSON	20058 ARROW HIGHWAY, COVINA
1132	S	80-70	2800	34 35 56	118 43 15	U.S.F.S. PERSONNEL	OAK FLAT, ONE QUARTER MILE WEST OF GOLDEN STATE HIGHWAY NORTHWEST OF CASTAIC
1133	ST	53-59	2600	34 12 23	117 56 43	L.A.C.F.C.D. PERSONNEL	FISH CANYON, NORTHEAST OF STONE CABIN, SAN GABRIEL MTS.
1135B	SP	1-82	250	33 46 37	118 25 15	COL. W.C. PLATT	2105 PALOS VERDES DRIVE WEST, PALOS VERDES ESTATES, LUNADA BAY
1136	S	42-56	580	34 08 25	117 56 47	FIRE STATION PERSONNEL	1135 NORTH FISH CANYON ROAD, DUARTE
1137B	S	49-99	1375	34 12 15	118 18 03	A. MC DONALD	STOUGH CANYON, ABOVE DEBRIS BASIN, NORTH OF BURBANK, VERDUGO MTS.
1138	S AP	51-95	5725	34 14 42	118 06 07	L.A.C.F.C.D. PERSONNEL	0.3 MILE SOUTHEAST OF MT. DISAPPOINTMENT, SAN GABRIEL MTS.
1140	8.81	29-31	305	34 04 59	118 03 55	L.A. CO. F. & F.W. PERSONNEL	9819 EAST VALLEY BOULEVARD, ROSEMEAD
1141B	S	72-35	2000	34 26 37	118 22 05	H.C. MOORE	0.4 MILE NORTH OF SPRING CANYON ROAD AND VALLEY CANYON ROAD, LANG
1142	S	70-78	1200	34 24 50	118 31 25	JOHN PERCIVALLE	22116 W. SOLEDAD CANYON ROAD, EAST OF BOUQUET CANYON ROAD, SAUGUS
1143	S	60-67	1700	34 19 23	118 20 14	EUCLID WHITTEN	LITTLE TUJUNGA CANYON ROAD, 0.5 MILE ABOVE GOLD CREEK ROAD, SAN GABRIEL MTS.
1144	SA	54-53	2200	34 15 43	117 50 40	TED TRAVIS	SAN GABRIEL RIVER NORTH FORK AND BICHOTA CANYON, SAN GABRIEL MTS.
1145	SP	45-56	1605	34 07 57	117 38 38	LIBERTY GROVES PERSONNEL	495 EAST 19TH STREET, UPLAND, SAN BERNARDINO COUNTY
1146	A	52-88	2575	34 12 52	118 01 05	LOUIS LUEBKERT	SANTA ANITA CANYON, NORTH OF FERN LODGE, SAN GABRIEL MTS.
1147	S	36-65	1000	34 08 52	118 31 53	ELMER BORDER	5011 NESTLE STREET, TARZANA, EL CABALLERO COUNTRY CLUB
1148	S	30-95	550	34 02 48	117 54 17	E.S. GALSTER	1732 AZUSA AVENUE, WEST COVINA
1149	SP	49-93	1460	34 15 34	118 18 19	FRANK T. STEVENS	10635 LEOLANG AVENUE, SUNLAND
1150	S	49-00	1350	34 17 54	118 23 41	U.S.F.S. PERSONNEL	INDIAN CANYON, ABOVE LOPEZ CANYON, SAN GABRIEL MTS.
1151	SP	40-82	1020	34 10 15	118 06 40	CITY OF PASADENA PERSONNEL	EAST OF ALLEN AVENUE AND NORTH OF WASHINGTON STREET, PASADENA
1152	SP	51-42	3625	34 16 15	118 09 11	U.S.F.S. PERSONNEL	ANGELES CREST HIGHWAY AND ANGELES FOREST HIGHWAY, SAN GABRIEL MTS.
1153	S	65-04	6810	34 21 08	117 53 46	E.T. HENSLEY	ANGELES CREST HIGHWAY AT KRATKA SKI LIFT, SAN GABRIEL MTS.
1154	S	88-30	2615	34 35 40	117 58 10	E.F. GRAHAM	39161 90TH STREET EAST, PALMDALE
1155	S	7-50	60	33 53 53	118 20 35	CAPT. C.H. KEYLOW	4322 WEST 147TH STREET, LAWNDALE
1156	SP	27-54	375	34 03 32	118 14 50	L.A.W.D. PERSONNEL	730 WEST TEMPLE STREET, LOS ANGELES
1157	SP AP	47-66	857	34 14 17	118 31 48	DR. ARNOLD COURT	18111 NORDOFF STREET, NORTHRIDGE
1158	S	2-60	102	33 47 59	118 20 08	ROY POOLER AND MAX BOAL	3201 PACIFIC COAST HIGHWAY, TORRANCE MUNICIPAL AIRPORT, TORRANCE
1160	A	52-74	3200	34 15 02	118 01 30	L.A.C.F.C.D. PERSONNEL	UPPER WEST FORK, SAN GABRIEL RIVER, SAN GABRIEL MTS.
1161	SP	50-66	1885	34 13 52	118 13 50	ROBERT GREGG	5118 CIRCLE VISTA AVENUE, LA CRESCENTA
1162	ST	61-74	5320	34 21 06	118 13 46	L.A.C.F.C.D. PERSONNEL	NORTH OF IRON MOUNTAIN NEAR MENDENHALL RIDGE ROAD, SAN GABRIEL MTS.
1163	ST	65-37	5480	34 19 33	117 51 42	L.A.C.F.C.D. PERSONNEL	NORTHWEST OF CRYSTAL LAKE, SAN GABRIEL MTS.
1164	8.81	7-49	90	33 48 35	118 21 05	L.A.C.F.C.D. PERSONNEL	HAWTHORNE AVENUE AT 236TH STREET, TORRANCE
1165	AP	36-47	1850	34 07 33	118 33 20	L.A. CITY STORM DRAIN DIV. PERSONNEL	MULHOLLAND HIGHWAY AND FIRE ROAD NO. 30, SANTA MONICA MTS.
X12C	S	90-42	2900	34 34 02	117 45 15	R.A. KEWISH	37712 NORTH 210TH STREET EAST, WILSONA
X15B	S	116-15	3070	34 44 48	117 46 57	JOHN STEBBINS	47403 NORTH 195TH STREET EAST, HI VISTA
X19	SP	50-43	3400	34 15 52	118 15 11	U.S.F.S. PERSONNEL	WEST SIDE COOKS CANYON, SAN GABRIEL MTS.
X21B	SP	50-63	4390	34 15 38	118 13 47	U.S.F.S. PERSONNEL	DUNSMORE CANYON, WEST OF PICKENS CANYON, SAN GABRIEL MTS.
X22	ST	65-44	6680	34 21 27	117 51 05	L.A.C.F.C.D. PERSONNEL	ISLIP SADDLE, NORTH OF ANGELES CREST HIGHWAY, SAN GABRIEL MTS.
X23	ST	66-12	7280	34 22 16	117 46 51	L.A.C.F.C.D. PERSONNEL	DORR CANYON, EAST OF ANGELES CREST HIGHWAY, SAN GABRIEL MTS.
X24	ST	66-82	7360	34 22 30	117 43 05	L.A.C.F.C.D. PERSONNEL	GRASSY HOLLOW, NORTH OF ANGELES CREST HIGHWAY, SAN GABRIEL MTS.
X25	ST	67-03	7880	34 21 58	117 41 27	L.A.C.F.C.D. PERSONNEL	BEAR GULCH, BLUE RIDGE, SAN GABRIEL MTS.
X26	ST	67-25	8450	34 20 57	117 40 23	L.A.C.F.C.D. PERSONNEL	NORTH OF PRAIRIE FORK ROAD NORTHWEST OF MT. BALDY, SAN GABRIEL MTS.
X27	ST	67-56	8080	34 20 20	117 38 55	L.A.C.F.C.D. PERSONNEL	BLUE RIDGE EAST OF SAN BERNARDINO COUNTY LINE, SAN GABRIEL MTS.
X28B	A	67-14	8130	34 21 29	117 40 54	D.O. BURNS	TOP OF HOLIDAY HILL CHAIR LIFT, NORTH OF PRAIRIE FORK ROAD, SAN GABRIEL MTS.
X29	A	53-97	4100	34 13 35	117 54 28	L.A.C.F.C.D. PERSONNEL	0.5 MILE WEST NORTHWEST OF PINE MOUNTAIN, SAN GABRIEL MTS.
X33	8.81	50-66	1890	34 14 07	118 14 12	L.A.C.F.C.D. PERSONNEL	NORTHEAST OF FRANCES AVENUE AND LA CRESCENTA AVENUE, LA CRESCENTA
X35	A	39-31	1200	34 10 48	118 15 38	L.A.C.F.C.D. PERSONNEL	419 CARDIGAN AVENUE, GLENDALE, VERDUGO MTS.
X36	A	50-39	2650	34 12 13	118 15 52	L.A.C.F.C.D. PERSONNEL	NEAR JUNCTION OF VERDUGO AND BRAND PARK TRUCK TRAILS, VERDUGO MTS.

TABLE IX

RAIN GAGE STATION LOCATION

SEASON 1964–65

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
29	S	22–25	1050	34 02 55	118 46 25	STEIN PETERSEN	4130 SOUTH LATIGO CANYON ROAD, MALIBU
29D	S	47–81	1280	34 17 09	118 30 59	HELEN STRATHAUS	11835 HIGHWATER ROAD, GRANADA HILLS
57B–E	SP A	52–04	4250	34 15 18	118 05 41	L.B. UNIFIED SCHOOL DISTRICT	OPID'S (CAMP HI HILL) WEST FORK SAN GABRIEL RIVER, SAN GABRIEL MTS.
82F	S	67–11	7420	34 22 56	117 40 39	EARL IVIE	TABLE MOUNTAIN, NORTHEAST OF BIG PINES RECREATION PARK, SAN GABRIEL MTS.
101D	S	30–43	350	34 03 54	117 57 20	MARTA MAHONEY	1332 SOUTH MEEKER ROAD, WEST COVINA
106C	S	16–62	340	33 58 27	118 01 57	K.R. WARREN	333 EAST PENN STREET, WHITTIER
139B	SP AP	27–54	450	34 03 09	118 14 46	W.A. WILDE	316 WEST SECOND STREET, LOS ANGELES
155C	S	75–70	3120	34 29 45	118 01 33	U.S.F.S. PERSONNEL	BELOW LITTLE ROCK–PALMDALE DAM, 39200 CHESEBORO ROAD, PALMDALE
174	S	43–86	960	34 07 57	117 49 09	L.A. WARREN	2305 EAST ALOSTA AVENUE, GLENDORA
198B	8.81"	39–21	890	34 11 04	118 16 32	L.A.C.F.C.D. PERSONNEL	BRAND CANYON AT BRAND DEBRIS BASIN, GLENDALE, VERDUGO MTS.
199D	S	14–71	175	33 59 00	118 13 47	CHIEF R. WALTON	6301 SANTA FE AVENUE, HUNTINGTON PARK
215F	S	9–72	68	33 52 44	118 07 31	RALPH MC CLURG	9735 PARK STREET, BELLFLOWER
266C	SP	17–04	301	33 57 12	117 59 56	DAVID CEDERSTROM	15305 CARRETERA AVENUE, EAST WHITTIER
318B	S	66–70	6120	34 23 53	117 43 40	V.B. TAYLOR	NORTHWEST OF JACKSON LAKE, SAN GABRIEL MTS.
338B	SP A	52–37	5709	34 13 36	118 03 57	JOYCE HARRIS	POST OFFICE, MOUNT WILSON, SAN GABRIEL MTS.
339	SP	31–49	533	34 00 13	117 51 09	DOCTOR HOMER YORK	20651 EAST LYCOMING ROAD, WALNUT
342B	S	45–28	1508	34 07 08	117 40 45	ALBERT PETERSON	1526 NORTH BENSON STREET, UPLAND
375B	S	39–16	600	34 08 02	118 17 18	L.A. CITY PERSONNEL	GRIFFITH PARK ZOO, 4730 CRYSTAL SPRINGS DRIVE, LOS ANGELES
391B	8.81"	28–98	250	34 01 08	118 06 15	CHIEF L.R. BEECH	600 NORTH MONTEBELLO BOULEVARD, MONTEBELLO
422G	S	60–25	2075	34 20 51	118 22 20	JAMES CHAMPION	TWO MILES ABOVE PACOIMA DAM ON LITTLE TUJUNGA ROAD, SAN GABRIEL MTS.
427B	S	15–63	131	33 57 38	118 08 07	L.W. JORDAN	7518 LUBEC STREET, DOWNEY
444F	SA	2–52	400	34 46 47	118 20 35	BOTANIC GARDENS PERSONNEL	26701 ROLLING HILLS ROAD, ROLLING HILLS ESTATES
458	SA	22–08	115	34 01 10	118 47 46	L.A. COUNTY F. & F.W. PERSONNEL	28722 PACIFIC COAST HIGHWAY, MALIBU
446B	SA	60–54	3220	34 21 07	118 20 38	JAMES CHAMPION	PACOIMA CANYON, DUTCH LOUIE CANYON, SAN GABRIEL MTS.
476F	S	34–17	800	34 07 20	118 47 10	HERBERT WIERE	2748 NORTH TRIUNFO CANYON ROAD, CORNELL
492B	SA	63–98	5260	34 19 02	118 00 30	JOHN R. KAYLOR	STATE HIGHWAY MAINTENANCE STATION NEAR CHILAO, SAN GABRIEL MTS.
577F	SP AP	27–54	548	34 03 19	118 14 26	U.S.W.B. PERSONNEL	FEDERAL BUILDING, 312 NORTH SPRING STREET, LOS ANGELES
662C	AP	9–27	95	33 49 46	118 10 36	O. LEE MAYES	3912 CERRITOS AVENUE, LONG BEACH
691B	8.81"	45–14	2090	34 09 20	117 40 55	G.A. RITTER	SAN ANTONIO SPREADING GROUNDS BELOW SAN ANTONIO DAM
716	SP AP	27–64	306	34 03 09	118 14 13	J. SAVAGE	410 DUCOMMUN STREET, LOS ANGELES
1005B	S	84–39	2300	34 30 35	118 21 40	L.A. COUNTY F. & F.W. PERSONNEL	13028 WEST SIERRA HIGHWAY, SAUGUS
1016B	S	34–63	1175	34 09 45	118 44 16	S. WILLIAM SWANSON	6223 NORTH FAIRVIEW DRIVE, AGOURA
1053B	S	50–02	1400	34 16 40	118 17 53	H. BERMAN	BIG TUJUNGA SPREADING GROUNDS, 11561 MT. GLEASON AVENUE, TUJUNGA
1096	SP	19–05	670	33 55 53	117 47 43	NORMAN SLATON	CARBON CANYON AT LA VIDA SPRINGS, ORANGE COUNTY
1008B	SA	85–91	2875	34 35 22	118 12 15	JOSEPH Y. CARLIN	4218 ELIZABETH LAKE–PINE CANYON ROAD, PALMDALE
1111C	S	77–48	4760	34 28 48	117 51 25	JOHN SMITH	28000 DEVIL'S PUNCHBOWL ROAD, PEARBLOSSOM
1112	ST	54–31	4025	34 17 04	117 51 58	L.A.C.F.C.D. PERSONNEL	ONE QUARTER MILE NORTHWEST OF SMITH MOUNTAIN, BEAR CANYON, SAN GABRIEL MTS.
1123	SP	76–45	4400	34 26 42	117 57 10	ELEANOR T. OPID	9848 CIMA MESA ROAD, SOUTHEAST OF LITTLE ROCK
1131B	S	43–39	704	34 06 25	117 51 39	RICHARD JACKSON	20058 ARROW HIGHWAY, COVINA
1136	S	42–56	580	34 08 25	117 56 47	L.A. COUNTY F. & F.W. PERSONNEL	1135 NORTH FISH CANYON ROAD, DUARTE
1152	S	51–42	3625	34 16 15	118 09 11	U.S.F.S. PERSONNEL	AT JUNCTION OF ANGELES CREST AND ANGELES FOREST HIGHWAY, SAN GABRIEL
1159	A	52–33	4425	34 15 55	118 04 08	L.A.C.F.C.D. PERSONNEL	SHORT CUT CANYON SOUTH OF ANGELES CREST HIGHWAY, SAN GABRIEL MTS.
1166	S	78–38	5200	34 24 40	117 46 07	WARNER H. RICHTER	27500 LARGO VISTA STREET, VALYERMO
1167	S	66–20	5380	34 23 25	117 46 27	ROBERT MC DONALD	FENNER CANYON AT BIG ROCK CREEK, MT. BADEN–POWELL, SAN GABRIEL MTS.
1168	SP	V–CO.	3780	34 44 12	118 53 18	G.W. REYNOLDS	REYNOLDS RANCH, HUNGRY VALLEY, GORMAN
1169	SP	V–CO.	1145	34 28 24	118 45 42	FRANK C. BECKWITH	LAKE PIRU, PIRU CANYON NORTH OF PIRU, VENTURA COUNTY
1170	AP	V–CO.	900	34 09 48	118 50 12	VENTURA COUNTY F.C.D. PERSONNEL	THOUSAND OAKS, VENTURA COUNTY
1171	AP	V–CO.	720	34 24 20	118 45 20	HARRY FORBES	CAMULOS RANCH, PIRU, VENTURA COUNTY
1172	AP	V–CO.	1150	34 30 48	118 45 30	FRANK C. BECKWITH	PIRU CANYON ABOVE PIRU LAKE, VENTURA COUNTY
1173	AP	V–CO.	1525	34 19 54	118 42 39	R.M. HAMMERLEE	TAPO CANYON RANCH, SANTA SUSANA, VENTURA COUNTY
X12C	S	90–42	2900	34 34 02	117 45 15	R.A. KEWISH	37712 210TH STREET EAST, LANCASTER

LEGEND REGARDING GAGE TYPE AND OWNERSHIP

S	STANDARD 8" DIAMETER NON-RECORDING GAGE OWNED BY FLOOD CONTROL DISTRICT
A	AUTOMATIC RECORDING GAGE OWNED BY FLOOD CONTROL DISTRICT
ST	STORAGE TYPE GAGE OWNED BY FLOOD CONTROL DISTRICT
3"P	3" DIAMETER NON-RECORDING GAGE PRIVATELY OWNED
4½"P	4½" DIAMETER NON-RECORDING GAGE PRIVATELY OWNED
SP	8" DIAMETER NON-RECORDING GAGE PRIVATELY OWNED
8.81"	SPECIAL TYPE COLLECTOR RING, (8.81" DIAMETER) WITH A GLASS GRADUATE MEASURING TUBE
AP	AUTOMATIC RECORDING GAGE PRIVATELY OWNED
SUFFIX B OR C	DENOTES SECOND AND THIRD LOCATION OF STATION IN SAME LOCATION UNDER NEARLY SAME CONDITIONS
SUFFIX-E	DENOTES EVAPORATION PAN AT STATION

QUAD INDEX NUMBERS

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

NOTE: RAIN GAGE STATIONS FOR SEASONS 1964–65 WERE IDENTICAL WITH SEASON 1963–64 EXCEPT AS SHOWN FOR 1964–65.

TABLE X

93-YEAR SEASONAL RAINFALL INDICES

FOR

SELECTED AREAS IN LOS ANGELES COUNTY

SEASON	"A" COASTAL PLAIN	"B" SAN FERNANDO VALLEY	"C" SAN GABRIEL VALLEY	"D" SAN GABRIEL MOUNTAINS	"E" LITTLE ROCK-BIG ROCK	"F" SANTA MONICA MOUNTAINS	"G" SANTA CLARA	"H" DESERT	COUNTY INDEX*
1872-73	98	97	79	79	78	98	86	79	86
74	157	157	154	154	154	157	155	154	155
75	125	123	85	86	82	125	99	85	99
76	172	169	127	128	125	172	143	128	143
77	37	24	28	28	21	25	18	17	24
78	140	126	140	139	96	126	71	65	102
79	75	58	74	73	53	59	41	38	55
1879-80	128	112	128	128	133	112	125	135	127
1880-81	81	67	80	80	70	69	60	62	69
82	66	59	69	68	76	60	78	81	73
83	72	64	77	76	59	65	55	47	61
84	241	227	245	248	269	230	269	292	261
85	58	57	60	58	57	58	52	57	57
86	153	144	134	135	176	139	175	201	166
87	86	88	80	82	189	85	110	126	102
88	108	85	130	126	117	91	110	112	111
89	129	127	134	134	140	127	136	146	136
1889-90	161	206	199	205	219	177	228	237	211
1890-91	96	80	108	104	102	86	94	97	96
92	80	63	84	84	77	70	73	73	76
93	162	142	165	158	138	134	129	126	141
94	49	38	58	54	53	38	48	50	49
95	107	113	126	124	121	110	103	111	112
96	62	53	56	55	57	54	53	48	54
97	127	114	111	108	121	111	118	131	121
98	51	42	53	46	34	39	24	30	37
99	47	29	40	31	31	30	35	34	35
1899-00	64	52	56	53	56	56	49	44	52
1900-01	105	108	117	104	98	107	107	103	106
02	75	59	65	67	64	62	57	58	63
03	147	122	123	123	120	127	116	110	122
04	57	53	57	63	48	59	46	40	50
05	124	104	130	124	129	108	139	134	128
06	149	123	128	137	127	125	118	122	128
07	129	148	138	146	152	152	168	162	152
08	89	94	92	98	97	92	99	97	95
09	123	114	126	112	103	108	94	81	102
1909-10	85	77	91	88	118	78	104	106	96
1910-11	114	122	127	152	152	121	142	136	134
12	59	88	74	86	89	84	88	69	77
13	74	88	79	78	68	78	81	70	76
14	143	168	166	179	172	161	160	147	158
15	141	128	124	116	119	141	132	137	132
16	143	133	142	155	127	127	129	114	131
17	98	99	95	94	72	94	69	68	82
18	96	113	93	110	104	113	110	96	103
19	72	76	71	72	66	69	75	75	73
1919-20	77	85	92	109	99	82	93	80	88
1920-21	100	110	100	97	92	93	97	93	97
22	120	143	140	199	178	132	156	153	153
23	74	74	79	102	81	70	85	78	81
24	48	50	55	58	53	47	48	55	52
25	53	64	63	72	59	56	63	53	59
26	85	124	118	130	114	113	118	107	112
27	103	131	123	115	121	118	115	115	115
28	88	69	75	62	70	69	65	62	69
29	78	75	80	73	60	78	70	64	71
1929-30	77	79	80	79	57	73	77	81	78
1930-31	83	94	84	76	77	89	97	112	94
32	109	127	113	116	136	108	136	146	128
33	74	80	68	70	65	72	81	77	75
34	76	104	101	74	58	86	60	42	67
35	136	128	131	121	141	114	138	166	141
36	77	80	78	76	50	77	71	48	67
37	148	145	150	150	135	140	155	140	146
38	144	152	149	159	159	150	155	150	152
39	116	117	108	101	119	127	119	140	122
1939-40	98	97	83	69	77	100	74	80	83
1940-41	226	237	215	171	199	250	234	231	222
42	83	78	75	62	94	82	80	90	81
43	115	153	140	162	162	152	161	151	149
44	130	138	114	132	159	144	162	227	165
45	93	89	89	97	101	86	91	103	95
46	81	82	79	97	106	87	102	102	94
47	91	90	87	98	101	91	102	101	97
48	45	47	55	49	62	51	54	66	55
49	58	52	59	53	61	58	60	70	61
1949-50	73	69	74	61	63	78	65	52	64
1950-51	55	56	52	38	43	56	43	37	45
52	161	193	163	157	159	208	179	184	176
53	70	69	66	51	61	75	64	67	65
54	92	82	85	85	88	98	85	91	88
55	82	84	75	69	79	87	83	83	81
56	107	101	90	73	76	103	82	62	82
57	67	79	74	68	66	81	73	73	72
58	160	160	163	161	161	181	174	163	165
59	44	49	46	53	66	57	60	53	53
1959-60	69	57	57	43	48	68	48	55	55
1960-61	35	39	32	39	50	42	40	47	41
62	138	141	121	113	129	167	136	113	127
63	81	67	66	65	69	76	68	74	70
64	48	60	51	57	55	57	54	62	56
65	90	93	82	76	84	94	78	78	82
90-YEAR NORMAL RAINFALL	13.78	17.03	18.52	28.19	19.24	18.50	16.39	7.89	15.66
1963-64 RAINFALL	6.61	10.22	9.45	16.07	10.58	10.55	8.85	4.89	8.71
1964-65 RAINFALL	12.34	15.84	15.19	21.42	16.16	17.34	12.78	6.15	12.83
AREA IN SQUARE MILES	573	305	285	536	165	228	738	1122	3952

NOTE: *INDICATES WEIGHTED AVERAGE INDEX OF AREAS

LEGEND

- ● FLOOD CONTROL STANDARD GAGES
- ○ FLOOD CONTROL 8.6" DIAMETER GAGES
- ◉ FLOOD CONTROL STORAGE TYPE GAGES
- ■ FLOOD CONTROL AUTOMATIC GAGES
- ▲ STANDARD GAGES (OTHER THAN F.C.DIST.)
- ◆ AUTOMATIC GAGES (OTHER THAN F.C.DIST.)
- 1918 CAPITAL LETTERS (A,B,ETC.) FOLLOWING A STATION NUMBER DENOTE SUCCESSIVE LOCATIONS OF A GAGE IN A LOCALITY
- -E AT A STATION DENOTES AN EVAPORATION PAN
- ~ LINES OF EQUAL RAINFALL IN INCHES DEPTH

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

LOCATION OF ACTIVE RAINGAGES AND ISOHYETAL MAP

SEASON 1963-1964

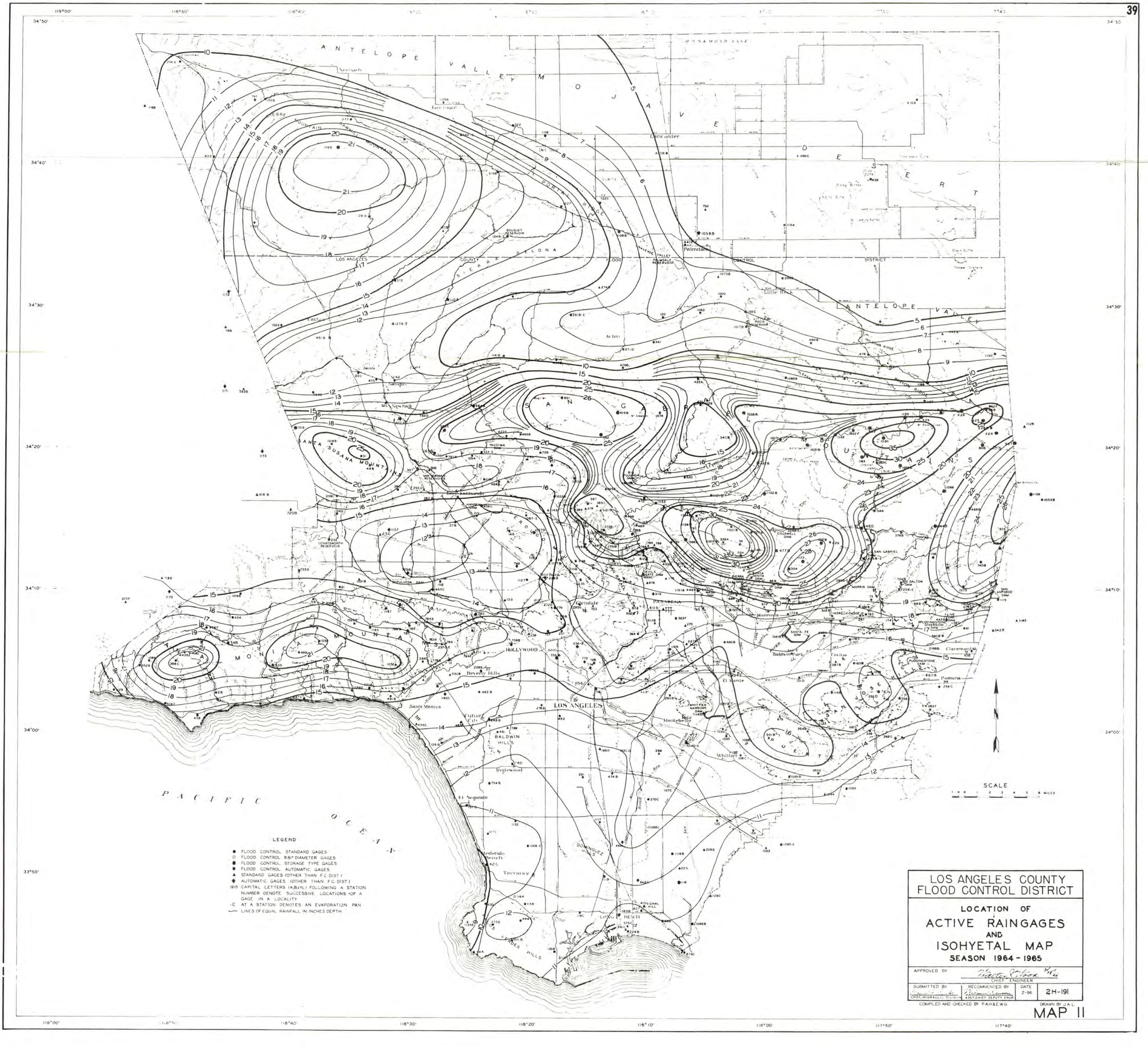
APPROVED BY	CHIEF ENGINEER	
SUBMITTED BY: CHIEF, HYDRAULIC DIVISION	RECOMMENDED BY: ASST. CHIEF DEPUTY ENGR.	DATE 12-64

2H-183

COMPILED BY P.A.H. CHECKED BY E.W.G. & M.P.D. DRAWN BY J.A.L.

MAP 1

EVAPORATION RECORDS



LEGEND

- ● FLOOD CONTROL STANDARD GAGES
- ○ FLOOD CONTROL 8" DIAMETER GAGES
- ◉ FLOOD CONTROL STORAGE TYPE GAGES
- ■ FLOOD CONTROL AUTOMATIC GAGES
- ▲ STANDARD GAGES (OTHER THAN F.C. DIST.)
- ◆ AUTOMATIC GAGES (OTHER THAN F.C. DIST.)
- 191B CAPITAL LETTERS (A,B,ETC.) FOLLOWING A STATION NUMBER DENOTE SUCCESSIVE LOCATIONS OF A GAGE IN A LOCALITY
- -E AT A STATION DENOTES AN EVAPORATION PAN
- — LINES OF EQUAL RAINFALL IN INCHES DEPTH

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

LOCATION OF ACTIVE RAINGAGES AND ISOHYETAL MAP SEASON 1964 - 1965

APPROVED BY _____ CHIEF ENGINEER

SUBMITTED BY _____ CHIEF, HYDRAULIC DIVISION

RECOMMENDED BY _____ ASST. CHIEF DEPUTY ENGR.

DATE 2-66

2H-191

COMPILED AND CHECKED BY R.A.H. & E.W.G.

DRAWN BY J.A.L.

MAP 11

EVAPORATION

FOREWORD

This report contains monthly and seasonal data for active evaporation stations reporting to the District during the 1963-64 and 1964-65 seasons. Daily records of active and inactive District stations as well as some stations of other agencies, are available in the District's files. Monthly and seasonal evaporation has been published in the District's Annual or Biennial Reports on Hydrologic Data since the 1931-32 season.

SUMMARY OF EVAPORATION

The following tabulation indicates the maximum and minimum rates of evaporation in inches at stations within the County for the seasons 1963-64 and 1964-65. For comparative purposes, only the evaporation amounts from a 24-inch diameter land evaporation pan equipped with a screen were used. Evaporation amounts are not shown where samplings are affected by frozen water in the pans.

	1963-64	1964-65
Maximum Seasonal Amount – Palmdale	95.21	103.31
Maximum Monthly Amount – Palmdale	17.58 July	15.35 July
Minimum Seasonal Amount – Baldwin Park Experimental Station	48.61 1/	
Minimum Seasonal Amount – La Fresa – S.C.E. Co.		37.90 1/
Minimum Monthly Amount – Opid's (Camp Hi Hill)	1.01 Dec.	
Minimum Monthly Amount – Baldwin Park Experimental Station		1.11 Dec.

1/ Total includes less than 10 percent estimated

Table XI, page 43, lists monthly and seasonal evaporation data including the type of pan used at all active stations during the 1963-64 and 1964-65 seasons.

Table XII, page 44 to page 60, lists a summary of monthly and seasonal evaporation for active and inactive stations.

Evaporation is normally measured at 5:00 p. m. to be consistent with rainfall measurements.

LOCATION AND NUMBER OF STATIONS

The District, with the cooperation of 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 individuals, received evaporation records from 30 and 31 evaporation stations for the 1963-64 and 1964-65 seasons, respectively. There were 36 evaporation pans utilized during the season 1963-64 and 37 evaporation pans in operation for the 1964-65 season.

Twenty-four pans were on or near reservoirs for the 1963-64 and 1964-65 seasons. San Gabriel, Cogswell, and Bouquet Canyon Reservoirs are equipped with both lake and land pans.

LENGTH OF RECORD

A land pan was installed for the first time by the District at Santa Anita Dam in March of 1929. There are 25 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 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-A48

   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. Lake pan, Type F-36

   Thirty-six inches square by 18 inches deep. Mounted on float equipped with a 6-inch baffle. Pan submerged to 15 inches depth. Water in pan maintained near lake level.

RESPONSIBILITY

The field and office work pertaining to precipitation, snow pack, temperature, humidity, wind velocity and direction, barometric pressure, and evaporation data was under the immediate supervision of Paul A. Haig, who is in charge of the Precipitation and Evaporation Section. Mr. Haig was assisted in the preparation of these data in this report by Ernest W. Godfrey, Hydrographer II.

All field and office procedure of this Section was under the direction of Maxwell F. Burke, Chief, Hydraulic Division, and James H. Brown, Assistant Chief, Hydraulic Division.

TABLE XI

EVAPORATION RECORDS IN INCHES

SEASONS 1963–64, 1964–65

1963–64

STA. NO.	STATION	TYPE GAGE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	SEAS. TOTAL
23	CHATSWORTH RESERVOIR	L-24S	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
33A	PACOIMA DAM	L-24S	5.42	5.12	6.76	6.02	6.58	6.08	5.44	5.54	6.00	9.12	8.48	7.62	78.18
46D	BIG TUJUNGA DAM	L-24S	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
57B	OPID'S (CAMP HI HILL)	L-24S	2.16**	1.02**	1.01	INC.#	INC.#	INC.#	2.87	4.30	6.32	8.35	7.90**	5.75	INC.
63B	BIG SANTA ANITA DAM	L-24S	5.45	4.20	5.78	4.36**	5.62	4.42**	4.52**	4.88	4.96	8.15	7.46	7.50	67.30**
89B	SAN DIMAS DAM	L-24S	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**
96B	PUDDINGSTONE DAM	L-24S	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**
124B	BOUQUET CANYON RESERVOIR	L-36P	5.11	4.05	5.02	3.92	5.41	4.40	5.02	6.28	8.54	11.34	10.56	8.23	77.88
127	DRY CANYON RESERVOIR	F-36P	4.86	3.76	4.44	3.18	4.19	3.17	4.04	5.52	7.06	9.80	8.89	7.96	66.87
223B	BIG DALTON DAM	L-24S	3.56	2.28	2.74	2.60**	3.73	3.50**	3.52**	4.16	5.28	8.28	7.26	6.42	53.33**
237C	STONE CANYON RESERVOIR	L-24SP	5.46	4.73	5.95	4.93	5.83	5.08	5.40	5.86	5.43	8.82	7.92	6.98	72.39
261B	ACTON – ESCONDIDO CANYON	L-24S	6.36	4.48**	5.72	4.60	5.69	4.66**	5.22	7.58	9.78	13.36	12.04	10.64	90.13**
292D	ENCINO	L-24S	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
293	VAN NORMAN LAKE – LOWER	L-24SP	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
321	PINE CANYON PATROL STATION	L-24S	4.61	2.92	2.68	2.47	3.64	3.37**	4.62	6.67	9.04	10.80	11.50	9.40	71.72**
334B	COGSWELL DAM	L-24S	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**
334B	COGSWELL DAM	F-36	5.36	3.36	2.89	2.85**	3.84	4.37**	5.06**	5.86	N.R.	N.R.	N.R.	N.R.	INC.
336	SILVER LAKE RESERVOIR	L-24SP	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
336	SILVER LAKE RESERVOIR	L-A48P	4.67	3.52	3.60	3.65	5.06	6.13	6.18	7.18	6.89	9.76	8.08	6.52	71.24
347	BALDWIN PARK EXPERIMENTAL STATION	L-72	3.51	1.78**	1.54	1.46	2.45	3.64	3.97	5.17	5.37	7.21	6.34	5.14	47.58**
347	BALDWIN PARK EXPERIMENTAL STATION	L-24S	3.84	2.18**	1.68	1.68	2.62	3.52	4.06	5.18	5.45	7.51	6.78	5.79	48.61**
347	BALDWIN PARK EXPERIMENTAL STATION	L-24	3.72	1.94**	2.01	1.85	3.04	4.25	4.88	6.42	5.86	9.13	8.15	6.62	57.87**
390B	MORRIS DAM	L-72P	4.52	2.64	3.01	2.48	3.64	3.58	4.34	5.70	6.34	7.73	8.26	6.70	58.94
407	NEWHALL – U.S.F.S. HEADQUARTERS	L-24S	4.61**	3.12**	3.48	3.23*	4.02	4.32**	4.10**	6.20	7.70	11.12	9.66	7.48**	69.04**
425B	SAN GABRIEL DAM	L-24S	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
425B	SAN GABRIEL DAM	F-36	5.57	3.78**	4.06	3.36	4.50	4.84**	5.18**	6.30	7.66	10.38	9.64	8.52	73.79**
425B	SAN GABRIEL DAM	L-24	5.21	3.60	4.71	4.06	5.06	4.86	4.76**	5.62	6.72	9.95	8.70	7.88	71.13**
441C	PALMDALE – COUNTY ROAD MAINTENANCE YARD	L-24S	6.05	3.02	1.80	2.24	3.42	4.87	6.54	10.02	12.85	17.58	15.77	11.05	95.21
542	FAIRMONT	L-36P	7.05	3.63	3.43	3.19	4.79	5.08	7.68	11.01	14.89	19.91	17.96	13.45	112.07
794	LOWER FRANKLIN RESERVOIR	L-24SP	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
802B	EAGLE ROCK RESERVOIR	L-A48P	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
1008	LA FRESA – S.C.E. CO.	L-24S	3.78	2.54	2.00	2.60**	3.20	2.80	4.61	5.12	4.92	6.05	6.02	4.02	47.66**
1014D	RIO HONDO SPREADING GROUNDS	L-24S	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**
1037	ARCADIA – ARBORETUM	L-24S	3.96	2.29	2.62	2.12	2.96	3.48**	3.64	4.64	4.69	7.36	6.43	5.34	49.73**
1071B	DESCANSO GARDENS	L-24S	3.96	2.77	2.96	2.76	3.69	3.89	3.73	4.79	5.04	7.75	6.62	5.94	53.90
1087	GREEN VERDUGO PUMP PLANT	L-A48P	6.78	5.94	7.40	5.92	7.46	7.71	6.71	7.62	8.19	12.07	9.54	9.57	94.91

1964–65

23	CHATSWORTH RESERVOIR	L-24S	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
33A	PACOIMA DAM	L-24S	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
46D	BIG TUJUNGA DAM	L-24S	8.12	4.46**	3.61	3.71**	4.38	4.10	4.54**	6.54	5.64	9.91	10.43	7.71	73.15**
57B	OPID'S (CAMP HI HILL)	L-24S	3.33**	INC.#	INC.#	INC.#	INC.#	1.58**	INC.#	4.90	5.16	7.20	7.41	4.34	INC.
63B	BIG SANTA ANITA DAM	L-24S	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**
89B	SAN DIMAS DAM	L-24S	4.52	2.40	1.30**	1.62	2.25	2.72	3.44	4.66	3.88	INC.	INC.	INC.	INC.
96B	PUDDINGSTONE DAM	L-24S	4.99	3.03	1.81**	2.21**	2.56	3.01**	3.51**	4.90	3.88	7.14	7.06	5.05	49.17**
124B	BOUQUET CANYON	L-36P	6.32	3.23	2.86	3.80	4.24	3.95	4.19	7.48	6.92	10.88	10.65	7.13	71.65
127	DRY CANYON RESERVOIR	F-36P	5.46	3.88	2.86	2.71	3.69	2.97	3.36	6.32	5.70	8.73	8.74	6.79	61.21
223B	BIG DALTON DAM	L-24S	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**
237C	STONE CANYON RESERVOIR	L-24SP	5.86	5.04	3.48	3.56	3.97	3.43	3.98	6.10	5.53	7.69	8.23	5.93	62.80
261B	ACTON - ESCONDIDO CANYON	L-24S	8.13	4.70**	3.53**	4.28	4.83	4.06	4.72**	8.05	7.90	11.67	11.53	8.27	81.67**
292D	ENCINO	L-24S	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
293	VAN NORMAN LAKE – LOWER	L-24SP	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
321	PINE CANYON PATROL STATION	L-24S	6.75	2.86**	2.11**	2.73**	3.56	3.69*	3.33**	7.23	7.52	10.07	10.32	7.24	67.41**
334B	COGSWELL DAM	L-24S	6.21	2.77*	1.76**	2.28	3.00**	3.35	3.93**	6.12	5.76	9.27	9.63	9.96	63.94**
334B	COGSWELL DAM	F-36	5.60*	2.94*	1.93**	2.39	3.30**	3.80	4.08**	6.82	6.22	9.46	6.46	7.27	61.27*
336	SILVER LAKE RESERVOIR	L-24SP	4.40	3.34	1.66	2.12	3.50	3.43	4.21	5.82	5.10	7.10	7.25	4.77	52.70
336	SILVER LAKE RESERVOIR	L-A48P	5.09	3.97	1.99	2.96	3.89	4.52	5.77	6.93	5.88	8.43	8.76	5.48	63.67
347	BALDWIN PARK EXPERIMENTAL STATION	L-72	3.52	2.16	1.23*	1.30	1.99	2.90	3.34	5.04	4.18	6.96	6.82	4.63	44.07**
347	BALDWIN PARK EXPERIMENTAL STATION	L-24	4.28	2.31**	1.34*	1.64	2.46	3.43	3.82	6.21	4.79	8.52	9.35	5.77	53.92**
347	BALDWIN PARK EXPERIMENTAL STATION	L-24S	4.09	2.00**	1.11*	1.35	2.03	3.23**	3.60	5.10	4.30	6.81	7.44	4.74	45.80**
390B	MORRIS DAM	L-72P	5.42	2.71	1.76*	2.09	2.83	3.14	3.65	5.54	4.85	8.41	8.56	5.75	54.71**
407	NEWHALL U.S.F.S. HEADQUARTERS	L-24S	6.21**	3.59*	3.82*	2.86**	3.22**	3.30**	3.83*	6.80	6.42	9.80*	8.65	6.15**	64.65**
425B	SAN GABRIEL DAM	L-24S	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**
425B	SAN GABRIEL DAM	F-36	6.48**	3.81	2.26**	2.88	3.70**	4.26	4.59**	6.89	6.06	9.87	10.02	7.95	68.77**
425B	SAN GABRIEL DAM	L-24	7.22	3.84	2.59**	2.68	3.38**	3.49	4.23**	5.92	4.74	8.67	9.21	6.75	62.72**
441C	PALMDALE – COUNTY ROAD MAINTENANCE YARD	L-24S	7.93	3.51	3.23	2.82	5.25	7.28	6.66	13.32	12.28	15.35	15.25	10.43	103.31
444F	SOUTH COAST BOTANIC GARDENS	L-24S	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	3.95*	5.99	INC.	INC.	INC.	INC.	INC.
542	FAIRMONT	L-36P	9.92	3.59	2.92	3.13	5.02	5.87	7.02	11.92	13.10	17.75	15.96	11.18	107.38
794	LOWER FRANKLIN RESERVOIR	L-24SP	5.92	4.74	2.29	3.49	4.12	4.38	5.14	6.92	5.67	8.22	8.61	6.89	66.39
802B	EAGLE ROCK RESERVOIR	L-A48P	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
1008	LA FRESA – S.C.E. CO.	L-24S	3.32**	2.46*	1.36*	1.59**	1.90**	2.46**	3.13**	3.97	3.26**	3.98	5.80	4.67	37.90**
1014D	RIO HONDO SPREADING GROUNDS	L-24S	3.61	2.47**	1.38*	1.91	2.48*	2.85	2.92	4.70	4.80	6.47	6.49	4.60	44.68**
1037	ARCADIA – ARBORETUM	L-24S	4.06	2.37	1.28**	1.94	2.37	2.76	3.20	4.38	3.67	6.30	4.39	6.24	42.96**
1071B	DESCANSO GARDENS	L-24S	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
1087	GREEN VERDUGO PUMP PLANT	L-A48P	8.64	5.71	3.50	5.22	5.94	5.94	7.05	7.33	6.13	10.74	10.85	7.87	84.92

LEGEND

L-24 LAND PAN 24" IN DIAMETER
L-24S LAND PAN 24" IN DIAMETER, SCREENED
L-24SP LAND PAN 24" IN DIAMETER, SCREENED - PRIVATELY OWNED
L-A48 LAND PAN 48" IN DIAMETER, USWB TYPE A
L-A48P LAND PAN 48" IN DIAMETER, USWB TYPE A - PRIVATELY OWNED
L-72 LAND PAN 72" IN DIAMETER
L-72P LAND PAN 72" IN DIAMETER, PRIVATELY OWNED
F-36 FLOATING PAN 36" SQUARE, USGS TYPE
F-36P FLOATING PAN 36" SQUARE, PRIVATELY OWNED
L-36P LAND PAN 36" SQUARE, PRIVATELY OWNED

* ESTIMATE > 10% OF TOTAL
** ESTIMATE < 10% OF TOTAL
# RECORDS INCOMPLETE, WATER IN PAN FROZEN
INC. INCOMPLETE RECORD
N.R. NO RECORD

AT STATION 802B EAGLE ROCK: PAN PAINTED ALUMINUM 7/1/56 - 7/19/60
PAN FIBREGLASS TREATED 7/19/60 TO DATE
AT STATION 1087 GREEN VERDUGO: PAN PAINTED GREY 6/21/56 - 2/7/62
PAN PAINTED ALUMINUM 2/7/62 TO DATE

TABLE XII

SUMMARY

MONTHLY EVAPORATION IN INCHES

EVAPORATION AT VAN NUYS CITY WAREHOUSE

STATION #15

(U.S.W.B. TYPE "A" PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	3.22	2.80	1.94	2.15	1.93	4.47	3.98	4.38	5.32	6.26	4.74	3.31	44.50
1931-32	2.34	1.99	1.30	1.50	1.18	3.21	3.62	3.76	4.50	4.68	4.20	2.32	34.60
1932-33	2.23	2.53	1.12	.88	2.08	2.89	2.34	3.99	3.82	4.19	3.26	2.28	31.61
1933-34	2.07	2.04	1.34	1.71	1.51	3.05	3.79	3.91	2.52	4.46	4.15	3.53	34.08
1934-35	2.44	1.71	1.34	1.23	1.53	2.41	3.69	4.33	4.71	5.67	5.75	4.12	39.13
1935-36	2.56	1.04	1.34	1.57	.90	2.86	3.70	4.93	5.09	5.42	4.84	3.45	37.70
1936-37	2.06	1.92	1.24	1.00	.91	2.13	3.88	3.15	4.07	5.44	4.35	3.16	33.31
1937-38	2.04	.90	1.17	1.43	1.07	2.01	2.66	3.89	3.35	4.73	4.11	3.34	30.70
1938-39	1.92	2.32	1.43	1.28	1.61	1.88	2.69	3.13	4.05	4.74	3.87	3.78	32.70
1939-40	2.11	1.26	1.30	.87	1.34	2.09	2.54	3.54	3.55	5.27	4.12	3.04	31.03
1940-41	2.31	1.73	1.20	.87	.87	1.71	2.80	4.56	4.08	4.87	3.74	2.92	31.66
1941-42	2.05	1.57	.98	1.12	1.44	3.06	3.19	5.24	5.47	7.63	6.93	4.00	42.68
1942-43	2.72	1.64	1.21	1.25	1.32	1.78	3.30	5.54	5.67	6.65	6.47	5.18	42.73
1943-44	2.51	1.68	.82	.93	1.00	3.39	4.41	4.30	5.27	5.79	6.94	4.14	41.18
1944-45	2.24	1.08	1.00	1.05	1.46	1.98	4.76	5.17	4.18	6.54	6.10	4.70	40.24
1945-46	2.23	1.61	1.03	1.77	1.30	2.85	3.73	3.93	6.19	7.12	6.77	4.83	43.36
1946-47	3.15	1.32	.86	1.63	1.07	2.70	4.06	4.85	4.91	7.67	6.65	4.64	43.51
1947-48	2.34	1.91	1.36	1.37	1.84	2.50	4.23	5.33	5.22	7.10	DISCONTINUED		

EVAPORATION AT CHATSWORTH RESERVOIR

STATION #23

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	7.48	5.24	3.69	4.10	3.30	5.90	7.24	7.62	8.41	10.10	10.35	7.36	80.79
1932-33	7.66	7.60	4.34	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	7.48	4.20	3.46	3.83	3.18	5.04	7.12	8.90	10.22	9.94A	8.38	78.39
1939-40	7.47	3.64	3.42	1.96	2.67	3.70	4.68	7.59	8.20	11.35	10.12	7.68	72.48
1940-41	6.24	5.73	3.08	1.76	1.62	2.90	3.46	7.25	6.92	9.02	7.53	6.75	62.26
1941-42	5.61	4.38	2.48	3.28	3.20	5.16	3.48	6.62	7.75	10.55	9.08	6.96	68.55
1942-43	5.73	4.96	3.39	3.78	3.82	2.56	3.92	6.76	7.80	9.15	9.05	7.62	68.54
1943-44	5.60	5.39	4.34	3.80	2.56	5.72	5.10	5.22	6.08	7.98	9.80	7.15	68.74
1944-45	5.14	3.48	3.46	3.05	2.84	3.08	5.73	6.58	6.18	9.28	10.02	7.56	66.40
1945-46	4.86	4.38	2.34	4.26	2.85	3.40	3.95	4.35	7.85	8.95	8.80	7.58	63.57
1946-47	5.10	2.89	1.74	2.86	1.55	3.11	4.82	5.30	5.80	9.32	8.10	6.75	57.34
1947-48	4.39	4.58	3.48	4.35	3.24	3.72	4.28	6.08	6.10	8.00	7.65	7.42	63.29
1948-49	4.48	5.88	2.16	2.69	1.98	2.70	4.95	5.54	7.33	7.72	8.25	7.42	61.10
1949-50	5.52	4.20	3.06	1.78	1.78	3.35	4.72	5.48	6.70	8.10	7.92	5.08	57.69
1950-51	4.64	4.57	3.35	2.26	2.15	5.30	3.20	5.45	5.65	7.58	7.22	5.95	57.32
1951-52	5.18	3.60	2.42	1.86	3.13	2.92	2.75	5.53	5.55	7.55	7.30	6.45	54.24
1952-53	3.80	2.89	1.94	2.70	4.90	3.75	3.50	6.04	5.32	7.78	6.80	5.52	54.94
1953-54	5.60	3.25	5.80	1.78	4.39	2.63	3.00	4.64	5.76	7.71	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	3.16	4.30	3.07	1.87	2.20	2.80	4.54	5.76	6.49	6.53	6.95	50.81
1958-59	5.00	3.85	3.74	2.34	1.92	4.62	4.38	5.20	6.30	7.93	7.22	5.14	57.64
1959-60	5.06	6.18	4.20	1.80	2.52	3.15	5.16	5.78	6.92	8.32	7.51	6.46	62.56
1960-61	4.58	2.62	3.74	4.49	4.04	3.82	4.89	5.42	6.08	7.50	6.82	5.44	59.44
1961-62	4.76	3.56	2.09	3.35	1.54	1.99	4.24	4.46	4.92	6.66	7.35	5.63	50.55
1962-63	3.66	2.71	2.70	2.44	2.20	3.48	3.36	4.02	4.35	6.96	6.68	5.45	48.01

NOTE: "A" AUGUST, 1939, SEE LEGEND

EVAPORATION AT NEWHALL

STATION #32C

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	6.30	4.14	2.84	3.54	2.49	5.29	7.11	6.30	9.01	11.42	10.30	8.28	76.98
1932-33	7.16	6.32	3.84	2.30**	3.48	4.12	5.40	7.76	9.14	10.38	10.32	7.37	76.19
1933-34	6.36	5.74	2.30	3.60	2.44	5.34	6.63	8.36	5.90	9.84	9.60	8.38	74.49
1934-35	6.24	3.93	3.16	2.58	3.98	3.75	4.70	6.83	8.90	9.70	9.48	8.08	71.33
1935-36	7.00	4.03	3.76	3.70	2.63	4.90	4.95	8.56	9.37	10.14	10.26	8.46	77.76
1936-37	6.10	5.71	3.23	2.00	2.14	3.26	6.32	5.84	7.52	8.54	9.60	8.38	68.74
1937-38	6.80	3.88	3.52	3.54	1.75	3.58	5.16	6.99	6.56	9.32	9.18	8.18	68.46
1938-39	6.54	6.30	4.18	3.27	3.62	4.28	6.27	7.48	7.96	9.32A	9.57	8.40	77.19
1939-40	6.50	4.67	3.58	2.58	2.45	4.10	4.48	6.74	8.22	9.80	8.68	8.35	70.15
1940-41	6.90	5.24	2.62	1.28	1.20	2.65	3.62	6.72	6.79	8.30	7.22	6.52	58.06
1941-42	4.84	4.05	3.08	3.72	3.55	5.20	5.01	6.32	5.85	8.30	7.92	7.14	64.98
1942-43	4.72	4.78	3.45	2.79	2.86	2.86	3.56	5.84	6.36	7.06	7.79	7.74	59.99
1943-44	6.12	5.44	2.59	3.40	2.02	5.03	5.21	5.70	6.34	8.47	9.71	7.09	67.14
1944-45	5.44	3.40	3.57	2.82	2.68	2.36	5.32	7.02	6.87	9.88	9.40	7.92	66.68
1945-46	5.81	4.54	2.62	4.16	2.78	3.78	4.99	5.41	8.76	9.25	9.55	8.00	69.85
1946-47	4.27	2.22	1.20	1.90	2.15	2.65	3.58	5.08	6.12	8.82	7.45	6.14	51.58
1947-48	4.04	2.78	1.86	2.65	2.46	2.86	3.90	5.98	6.14	8.02	7.69	6.57	54.95
1948-49	3.60	3.17	1.41	1.38	1.34	2.20**	4.10	4.54	6.74	7.92	7.54	5.96	49.90**
1949-50	4.50	2.81	1.76	1.51	1.88	3.43	4.76	5.52	6.82	8.40	8.17	5.08	54.64
1950-51	4.31	3.35	2.26	1.66	2.02	3.60	3.78	5.41**	6.69	8.24**	7.82	6.23**	55.37**
1951-52	5.43	3.04	1.77	1.74	2.43	2.58	3.18	5.84	5.70	7.49	7.00	6.88	53.98
1952-53	5.13	2.54**	1.84**	1.79	3.48	4.00	4.11	5.65	4.93	8.72	7.34	5.50	55.03**
1953-54	5.78	3.12	8.00*	3.64*	2.96	2.61	3.66	5.20	5.93	8.10	7.13	6.46	62.59**
1954-55	5.18	3.08	2.56	1.62	2.30	3.42	4.98	3.55	2.52	3.14	DISCONTINUED		INC.

TABLE XII (Continued)

EVAPORATION AT NEWHALL

STATION #407

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG	SEPT.	TOTAL
1954-55	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	8.28**	8.22**	INC.
1955-56	5.28	3.46	2.20*	1.15	2.12	4.46	2.53	4.01	7.40	9.24	8.35	8.48	58.68
1956-57	4.77	5.52	4.12	2.20	1.80	2.86	4.38	4.57	8.41	9.76	10.04	7.38	65.81
1957-58	3.20*	2.92**	3.04*	2.39**	1.02*	1.90*	3.06*	3.24	6.58	9.65	8.92	7.44	54.30**
1958-59	10.88	3.53	N.R.	N.R.	N.R.	INC.	4.64	5.16	7.44	8.98	8.60	6.52	INC.
1959-60	5.56	5.08	2.78*	3.80*	4.00*	4.08*	4.50*	6.76*	8.18*	10.40*	9.73	8.05**	72.92*
1960-61	5.42	3.19*	3.02	4.25*	4.22*	4.68	6.50*	6.82	10.26	9.98	9.70	6.62	74.66**
1961-62	6.40	3.86*	INC.	INC.	INC.	INC.	INC.	6.35	6.90	9.52	9.02	7.38	INC.
1962-63	4.92	3.35	3.60	3.28**	2.52	2.86**	3.20*	6.50	5.46	8.95	8.75	7.19	61.08**

EVAPORATION AT PACOIMA DAM

STATION #33A'

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	6.07	7.10	4.46	2.72	2.98	7.61	6.50	5.18	6.85	9.54	8.58	8.64	76.23
1931-32	7.28	5.93	2.51	2.33	1.92	5.44	6.56	5.26	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	2.78	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
1935-35	5.81	4.29	3.61	3.34	1.93	4.22	4.53	5.51	5.52	6.70	7.11	7.98	60.55
1936-37	5.56	5.65	3.08	.74#	1.94	3.82	4.50	3.92	4.85	7.17	6.58	6.99A	55.40
1937-38	5.59	3.26	3.04	3.18	1.84	3.22	4.22	3.96	3.92	6.09	6.70	7.48	52.50
1938-39	6.75	5.90**	5.74	4.67	4.23	4.27	6.22	6.33	8.12	8.88	8.06	7.76	76.93**
1939-40	8.75	6.84	6.18	2.96	3.41	4.84	4.68	6.38	6.69	10.16	7.40	6.93	75.25
1940-41	7.12	7.00	4.58	2.80	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	6.17	4.71	6.67	4.30	4.90	4.94	4.00	7.79	9.20	9.50	9.00	77.16
1946-47	6.87	4.34	4.33	5.58	3.90	4.36	5.16	5.40	5.21	10.24	8.12	7.98	71.49
1947-48	5.86	5.94	5.06	6.52	4.69	4.96	4.60	5.92	5.08	8.62	8.70	9.46	75.41
1948-49	6.12	8.70	4.18	3.66	3.22	3.36	5.21	5.10	6.33	6.96	8.51	8.97	70.32
1949-50	7.31	7.76	5.69	3.44	3.59	5.18	5.40	5.24	6.63	7.92	8.62	5.84	72.62
1950-51	7.49	8.06	6.51	4.36	4.02	6.22	3.73	5.86	6.01	7.98	8.06	7.52	75.82
1951-52	8.62	6.86	4.26	3.48**	4.88	3.44	4.08	6.15	5.12	8.58	6.68	10.14	74.29**
1952-53	7.46	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	6.00	3.64**	5.64	3.54	3.52	4.11	4.85	7.60	7.08	8.40	71.17**
1954-55	6.80	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	3.38	6.00	3.45	4.42	6.85	7.18	7.38	9.28	64.91
1956-57	5.06	8.58	6.90	3.38	2.48	4.26	4.03	3.92	6.55	8.80	8.50	6.95	69.41
1957-58	4.55	4.74	5.38	4.90	2.64	2.90	5.76	6.00	6.50	7.38	6.38	8.98	66.11
1958-59	7.62	5.66	6.20	4.40	3.20	6.20	5.12	4.97	6.08	7.02	6.60	5.22	68.29
1959-60	6.26	8.95	5.64	3.11	3.50	4.36	6.12	6.38	6.42	8.29	6.58	7.70	71.31
1960-61	6.32	4.57	5.46	6.46	4.83	4.60	5.26	4.92	5.82	6.54	6.80	6.54	68.12
1961-62	6.95	4.80	4.05	5.46	2.74	3.50	6.28	5.34	5.62	7.28	7.88	6.70	66.59
1962-63	5.20	4.28*	5.07	4.37	5.17	5.05	4.70	3.80	4.11	7.81	8.36	8.08	66.00**

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

EVAPORATION AT BIG TUJUNGA DAM

STATION #46D

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	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	8.46	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	2.63	1.90	1.58	2.35	2.45	2.95	4.50	6.95	8.00	7.50	7.00	53.33
1935-36	5.68	2.98	2.58	2.45	1.25	4.02	4.35	6.90	7.65	8.80	9.25	7.58	63.48
1936-37	5.18	3.88	1.65	.58	1.28	2.65	4.50	5.20	7.22	9.18	9.02	8.32	58.66
1937-38	5.92	3.42 A	2.82	2.52	1.52	2.08	3.66	5.44	7.15	9.18	9.22	8.03	60.98
1938-39	5.96	5.56	2.88	2.07	2.51	3.00	4.80	5.92	8.92	9.68	9.86	6.70	67.85
1939-40	4.88	3.88	2.58	1.70	1.92	3.33	4.01	6.12	8.82	10.78	10.15	7.58	65.73
1940-41	6.06	3.86	1.91	1.47	1.08	2.24	2.52	6.72	7.39	10.25	10.55	9.80	63.85
1941-42	6.86	6.92	2.76	4.20	4.30	6.69	4.08	8.02	9.42	15.08	13.82	12.12	94.27
1942-43	8.48	6.68	5.06	4.44	4.29	3.61	5.98	9.38	10.58	13.05	12.92	13.12	97.59
1943-44	9.35	6.78	2.20	3.61	2.13	5.32	5.42	6.28	6.94	10.98	12.29	8.88	80.18
1944-45	7.05	3.30	3.92	3.54	3.09	3.32	6.75	7.45	7.55	11.30	12.36	11.48	81.11
1945-46	7.88	5.68	3.50	6.40	4.44	4.56	6.54	7.00	12.30	13.75	14.78	13.15	99.98
1946-47	6.17	3.52	3.16	5.05	3.41	3.96*	5.88	7.52	8.12	14.18	11.12	9.87	81.96**
1947-48	7.48	6.20	4.13	5.70	3.65	3.98	4.88	6.98	7.50	12.28	12.65	11.50	86.93
1948-49	7.68	7.48	3.24	2.60	2.44	3.14	6.68	7.21	9.70	11.25	12.45	11.97	85.84
1949-50	7.35	3.42	4.02	2.57	3.82	5.58	6.44	7.40	8.92	11.62	13.15	8.66	82.95
1950-51	8.84	6.80	5.78	3.80	4.00	6.36	5.19	8.06	9.50	12.08	12.40	12.55	95.36
1951-52	9.18	5.08	3.14	2.27	4.34	3.09	4.92	9.12	8.28	12.60	12.88	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	12.09	84.25
1956-57	6.50	8.52	6.68	2.34	2.58	4.14	4.98	4.62	9.82	12.70	11.88	10.02	84.78
1957-58	4.94	4.31	4.02*	4.37	2.43	2.21**	5.19	7.00	7.82	10.48	10.66	10.26**	73.69**
1958-59	8.46	5.54	5.80	3.88	2.88	6.58	5.92	5.82	8.72	10.06	10.05	7.66	81.37
1959-60	7.58	6.85	4.96	2.84	3.48	5.03	6.94	7.14	10.28	11.30	10.80	9.85	87.05
1960-61	7.23	4.15	4.92	5.08	4.34	4.88	6.24	6.35	8.82	9.28	10.16	8.75	80.20
1961-62	8.10	5.28	3.28	4.98	2.32	3.46	6.92	6.18	8.07	10.62	11.68	9.34	80.23
1962-63	7.02	5.32	4.88	3.77	4.29	4.86	4.52	5.25	5.62	11.03	10.38	8.73	75.67

NOTE: " A " NOVEMBER 1937, SEE LEGEND

TABLE XII (Continued)

EVAPORATION AT FALLING SPRINGS (LA CIENEGA)

STATION #51

(24" DIAMETER UNSCREENED PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1928-29	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	3.28	5.51	4.98	3.40	INC.
1929-30	2.78	2.52	1.71	1.12	.85	1.23	1.67	1.95	2.62	3.90	4.85	3.95	29.15
1930-31	3.10	2.80	1.54	2.78	.62	2.53	N.R.	3.87	3.62	4.12	N.R.	3.96	INC.
1931-32	3.24	2.07	.90	.87	.94	3.82	4.13	4.93	5.11	6.84	6.54	6.48	45.97
1932-33	4.04	3.44	1.04	1.15	1.69	3.20	3.64	4.72	5.41	7.55	7.72	6.88	50.48
1933-34	4.39	3.27	1.04	2.53	.98	3.29	3.76	5.54	4.29	7.66	7.22	6.23	50.20
1934-35	3.55	2.74	1.27	.64	.96	.71	1.55	2.68	5.16	6.87	7.27	4.26	37.66
1935-36	3.31 A	INC.	DISCONTINUED										INC.

NOTE: "A" SEE LEGEND

EVAPORATION AT OPID'S CAMP

STATION #578

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	2.14	1.38#	1.78#	#	#	1.82	3.31	4.30	5.37	7.94	7.68	5.45	41.17#
1932-33	3.06	2.02	.26#	#	#	.01#	2.46	3.46	4.96	6.92	6.72	5.10	34.97#
1933-34	2.98	.86	.10#	2.05#	2.70#	.92	3.81	5.26	5.22	6.84	6.50	2.24	39.49
1934-35	1.71	1.20	.24#	.02#	.12#	.28#	1.82	2.62	4.48	5.58	5.32	4.20	27.59#
1935-36	5.56	2.19	.70#	1.28#	.62#	2.05#	2.66#	5.48	6.05	8.05	7.31	6.20	48.15#
1936-37	3.89	2.29	.66#	#	#	1.32	2.95	6.04	8.34	10.66	11.21	7.91	55.27#
1937-38	4.94	1.90	1.30#	.98#	.28#	1.05#	3.12	5.14	7.19	8.83	8.08	5.45	48.26#
1938-39	2.25	1.84	.94	.24#	#	.78#	4.28	5.74	7.68	8.00	8.04 A	3.84	43.63#
1939-40	2.29	1.12	.60#	.15#	.26#	1.62#	2.54	5.13	6.82	8.40	8.09	4.43	41.46#
1940-41	2.55	1.10	.30#	.04#	.09#	.79#	1.96	5.42	5.96	7.40	5.96	3.98	35.45#
1941-42	3.21	.29	.12#	.34#	.24#	1.38	.78	4.79	6.60	8.56	6.78	5.86	38.95#
1942-43	2.22	.57	.40	.14#	.12#	.86	2.40	5.28	6.20	8.22	7.93	6.02**	40.36# **
1943-44	3.08	1.68	.26#	.22#	.03#	1.52#	3.44	5.27	5.07	6.72	7.81	5.77	43.87#
1944-45	2.87	.42	.42#	.06#	.40#	.32#	4.18	5.34	6.34	9.10	7.65	6.20**	43.30#
1945-46	2.61	.83#	.42#	.32#	.18#	1.20#	3.52	4.20**	7.30**	8.70	9.20	4.72	43.20# **
1946-47	1.96	.40	.65#	.04#	.32#	1.20**	2.72	N.R.	N.R.	N.R.	N.R.	5.02	INC.
1947-48	2.42	1.18	.57#	.78#	.14#	.63	2.02	4.17	4.96	7.34	7.68	5.94	37.83#
1948-49	2.57	2.10	.34#	#	#	.85#	3.94	4.42	5.92	7.71	7.73	6.78	42.06#
1949-50	3.57	1.66	.20#	#	.46#	2.12	3.84	5.44	7.38	8.38	9.09	5.28	47.42#
1950-51	3.26	1.50	1.02	.30#	.33#	1.53#	2.37	5.14	6.88	8.63	8.78	6.90	46.64#
1951-52	3.66	.90#	#	#	.30#	.25#	2.39	6.58	5.82	8.06	9.32	5.28	42.56#
1952-53	3.64	.56#	.07#	.57#	.70#	1.44#	2.62**	4.34**	5.95	9.30	8.12	6.73	44.04# **
1953-54	3.64	.96	1.40#	1.40#	1.40# **	.92#	3.64	5.44**	6.50	8.33	7.36	5.80	46.43# **
1954-55	3.74	1.04	.40#	#	#	1.08#	3.50	3.86	6.55	7.26	8.30	7.80	43.53#
1955-56	4.60	1.39#	.12#	.22#	.10#	2.67#	1.02#	4.20	7.58	8.13	7.60	6.15	43.78#
1956-57	2.32	2.12	2.42	.08#	.73**	1.58**	2.80	3.10**	6.40	8.30	6.75	4.68	41.28# **
1957-58	2.10*	1.20*	.90*	.62#	#	#	2.90*	4.80*	6.38	7.22	7.85	6.52	40.49# *
1958-59	3.25**	1.02#	1.42	.83*	.15#	2.35	3.42**	4.20	6.85	8.15	7.64	4.38	43.66
1959-60	3.15	2.06	.69#	INC.#	INC.#	2.00**	3.93*	4.30	7.60	7.72	7.35	5.22	INC.
1960-61	2.80	#	#	1.19	1.15	1.84	3.94	4.95	7.50	8.75	7.25	5.25	44.62#
1961-62	3.26	2.06	.49#	.40#	#	.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**

NOTE: "A" AUGUST 1939, SEE LEGEND

EVAPORATION AT BIG SANTA ANITA DAM

STATION #638

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1929-30	5.40	5.38	4.40	1.60	2.00*	2.96	5.24	4.67	6.26	9.40	8.48	6.28	62.08**
1930-31	6.98	6.29	5.99	3.56	2.45	5.95	4.82	4.56	6.10	7.82	6.98	6.88	68.38
1931-32	5.18	3.86	2.68	3.04	2.38	4.34	5.47	4.64	5.54	6.88	7.64	5.56	57.21
1932-33	5.93	6.60	3.49	3.54	3.41	4.81	4.42	4.37	5.50	5.99	5.36	4.15	57.57
1933-34	4.12	4.81	2.68	3.38	2.01	3.72	3.70	4.16	2.84	4.46	4.44	4.62	44.94
1934-35	6.40	4.28	4.08	3.28	4.41	3.47	3.73	4.46	6.14	9.02	9.20	7.26	65.73
1935-36	6.71	5.18	4.58	4.28	2.35	4.78	4.62	6.97	7.36	8.36	8.32	7.74	71.25
1936-37	6.09	6.54	3.94	1.99	2.38	4.04	5.26	4.68	5.24	7.90	8.08	7.55 A	63.69
1937-38	6.02	3.73	4.22	3.96	2.49	3.00	3.71	4.37	4.44	6.10	7.00	7.00	56.04
1938-39	5.15	4.72	2.77	2.30	2.05	2.28	3.82	4.48	5.89	6.28	6.47	6.26	52.47
1939-40	5.87	4.74	4.04	2.06	2.48	3.72	3.31	5.00	5.06	7.68	6.34	6.06	56.36
1940-41	5.31	4.74	3.47	2.38	1.66	3.26	2.78	5.01	4.32	6.28	5.38	5.30	49.89
1941-42	4.62	5.20	2.40	3.10	2.85	4.22	2.28	3.94	3.42	6.33	5.22	5.46	49.04
1942-43	4.58	4.19	3.70	3.67	2.70	1.88	2.68	4.94	5.26	6.38	6.48	6.30	52.76
1943-44	4.77	4.92	2.17	2.61	1.77	3.42	3.70	3.67	3.37	5.48	6.92	5.02	47.82
1944-45	3.82	2.50	3.50	3.46	2.02	2.04	3.67	3.94	2.58	5.10	6.25	5.30	44.18
1945-46	3.56	4.42	3.06	4.24	3.15	3.08	3.30	2.60	5.82	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	2.06#	1.71	2.36	3.90	3.35	4.54	4.87	5.95	5.90	45.39#
1949-50	4.86	6.09	4.00	2.24	2.42	3.11	3.29	2.80	4.12	5.34	5.90	3.83	48.00
1950-51	5.52	4.66	4.71	2.92	3.02	4.24	2.24	3.27	3.66	5.04	5.02	4.54	48.84
1951-52	5.18	3.44	2.42	2.18	3.50	2.52	2.25	4.30	3.68	5.46	5.54	5.82	46.29
1952-53	4.28	3.08**	2.56**	3.52	4.46**	3.46**	2.64	4.72	3.94	6.02	5.60	4.79	47.07**
1953-54	5.67	3.97	4.38	2.42**	4.36**	3.02**	2.34	2.82	3.42	5.30	4.60	5.23	47.53**
1954-55	4.44	3.77	3.49	2.60	3.38	3.44	4.18	2.54	3.38	4.26	5.15	5.84	46.47
1955-56	3.30	3.20	1.67	2.24	2.47	4.03	2.20	2.96	4.10	4.47	4.51	5.64	40.79
1956-57	3.16	5.12	4.16	2.05	1.60	2.59	2.69	2.42	3.90	5.24	5.64	3.94	42.51
1957-58	2.62	2.57	2.98	3.02	1.98	2.04**	3.46	3.62	4.15	4.76	4.08	5.36	40.62**
1958-59	4.84	4.02	4.12	3.10	2.26	4.75	3.38	3.00	3.96	5.44	4.86	3.34	47.07
1959-60	4.28	4.61	3.66	2.16	2.70	3.12	4.05**	4.02	4.00	5.62	4.77	4.94	47.93**
1960-61	4.12	3.13	4.16	4.58	3.60	3.25	3.92	3.38	3.87	5.14	4.66	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	7.96	7.79	7.62	49.32**

NOTE: "A" SEPTEMBER 1937, SEE LEGEND

TABLE XII (Continued)

EVAPORATION AT ROGERS CANYON - DALTON

STATION #70

(24" DIAMETER UNSCREENED PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.R.	6.88	8.02	9.72	9.67	N.R.	INC.
1932-33	7.38	8.16	3.59	3.98	4.65	6.08	5.58	6.31	8.04	9.47**	9.50**	9.20**	84.14**
1933-34	7.06	8.11	3.81	4.72	3.10	6.12	7.14	8.54	6.42	9.66	9.59	9.34	83.61
1934-35	7.04	4.92	3.88	2.76	4.22	3.62	3.55	5.36	7.14	9.14	9.74	7.78	69.15
1935-36	7.18	5.55	4.74	4.34	2.41	4.51	4.71	7.60	8.86	10.15	9.84	8.82	78.71
1936-37	6.94	7.22	4.22	1.94	2.64	4.28	5.58	5.75	7.38	10.14	10.05	9.50	75.64
1937-38	7.58	4.38	3.98	3.74	2.97	3.63	4.94	5.94	6.26	8.17	8.52	8.40	68.51
1938-39	6.94	6.42	4.00	3.29	3.58	3.32	4.68	6.10	7.72	8.64	8.70	9.18	72.58
1939-40	7.46	5.68	5.15	2.56	2.86	4.45	4.10	6.58	7.06	9.83	8.78	7.81	72.32
1940-41	7.32	5.01	3.56	2.34	2.12	3.53	4.18	6.16	6.30	8.40	7.41	6.52	62.85
1941-42	5.62	5.18	2.48	2.90	3.14	4.86	3.06	6.66	6.62	9.56	8.15	5.46 A	67.69
1942-43	DISCONTINUED												INC.

NOTE: "A" SEE LEGEND

EVAPORATION AT EDISON INTAKE

STATION #75

(24" DIAMETER UNSCREENED PAN)

1930-31	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.R.	8.78	8.50	INC.
1931-32	5.24	3.51	1.31	1.69	2.02	4.14	5.44	6.05	7.16	8.90	9.76	7.69	62.91
1932-33	6.64	4.94	1.96	1.58	2.93	4.46	5.14	5.70	7.64	8.17	8.71	6.77	64.64
1933-34	6.35	4.90	2.14	2.31	2.10	4.81	5.61	5.93	7.59	9.81	8.36	7.06	66.97
1934-35	4.14	2.94	1.85	1.62	1.97	2.62	3.13	4.10	6.78	8.02	7.85	6.66	51.68
1935-36	5.28	3.13	2.42	2.16	1.40	3.64	4.06	6.15	7.35	7.92	8.48	7.62	59.61
1936-37	5.00	3.68	1.82	.95	1.76	3.18	5.19	5.02	6.76	8.12	8.42	7.74	57.64
1937-38	5.94	3.57 A	DISCONTINUED										INC.

NOTE: "A" SEE LEGEND

EVAPORATION AT SAN DIMAS DAM

STATION #89B

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1934-35	7.28	2.98	1.68	.64	.58	.65	.64	1.25	2.78	3.02	4.87	5.39	31.76
1935-36	5.22	3.23	1.94	1.86	.78	2.63	2.62	4.42	5.31	6.26	7.26	7.01	48.54
1936-37	5.36	3.79	1.54	.34#	.90	2.04	2.80	3.27	4.75	7.71	8.46	7.72 A	48.68#
1937-38	6.64	2.85	2.84	1.58	.48	.94	1.79	1.54	1.94	3.26	4.46	5.25	23.57
1938-39	3.88	4.46	1.68**	.60	.61	.60	.97	.98	1.82	5.70	4.88	3.94	30.13**
1939-40	4.64	4.26	2.64	1.34**	.90**	1.70**	1.40**	2.56	4.48	7.00	7.75	7.80	46.49**
1940-41	7.96	5.84	3.82	1.74	2.44	2.69	2.80	6.09	4.64	8.85	8.40	8.22	63.49**
1941-42	5.74	4.96	2.27	2.72	1.66	2.46	2.02	3.85	5.38	9.20	9.45	7.42	57.13
1942-43	6.20	5.40	2.82	1.80	1.20	.96	1.44	4.48	6.12	8.40	8.85	8.85	56.52
1943-44	6.02	3.70	1.52	1.35	.97**	1.02	1.40	2.85	4.36	6.28	7.35	5.50	42.32
1944-45	4.42	1.92	1.42	1.08	.66**	.45	1.92	1.85	3.52	7.65	7.82	7.20	39.91**
1945-46	4.00	1.96	.72	1.50	.80	1.32	2.20	1.22	6.38	6.45	6.65	6.55	39.75
1946-47	2.28	1.38	.86	1.50	1.60	1.41**	1.96	2.52	4.94**	8.95	7.05	6.25	40.70**
1947-48	2.18	2.32	1.76	3.95	1.98**	1.98	2.34**	3.69	5.24	7.66	7.71	7.12	47.93**
1948-49	4.44	3.88	1.44	.68	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	4.76	2.11**	1.28	1.48	2.89	3.04	2.98	5.46	5.59	8.27	8.06	6.43	52.37**
1953-54	4.82	2.74	2.90	1.46	2.72	2.22	2.98	4.50	5.01	7.67	6.54	6.35	49.91
1954-55	4.54	2.69	1.92	1.28	2.18	3.08	4.34	3.67	5.28	6.69	7.42	7.04	50.13
1955-56	3.92	2.43	1.16	1.44	1.74	3.76	2.97	3.96	6.05	6.93	6.97	6.45**	47.78**
1956-57	3.09	3.34	2.38	1.39	1.22	2.16	2.96	3.11	5.12	7.40	7.64	5.42	45.23
1957-58	2.76	2.11	1.69	2.01	1.22**	1.64	3.20	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	5.06	7.13	7.64	5.76	48.01
1962-63	3.65	2.62	2.28	1.76	2.20**	2.92**	3.66	4.00	4.08	7.47	6.99	5.75	47.38**

NOTE: "A" SEPTEMBER 1937. SEE LEGEND

EVAPORATION AT PUDDINGSTONE DAM

STATION #96B

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1929-30	7.90	7.73	5.32	2.29	2.76	3.60	4.52	4.64	6.73	11.65	10.52	7.37	75.03
1930-31	7.43	3.30	5.24	3.25	1.67	5.78	5.27	5.86	7.29	10.17	9.16	8.66	73.08
1931-32	6.04	3.74	2.32	2.24	1.60	4.20	3.47	5.50	6.65	9.42	9.30	6.70	63.18
1932-33	6.53	6.76	3.38	3.30	3.88	5.32	5.18	6.16	7.25	10.06	9.38	6.58	73.78
1933-34	6.99	7.32	4.18	4.10	2.68	4.44	4.74	8.82	6.39	9.99	9.67	8.55	77.87
1934-35	6.46	3.67	3.50	2.72	2.65	3.32	3.84	5.73	6.72	9.48	7.68	7.68	65.61
1935-36	6.68	5.19	4.35	3.96	2.46	3.87	4.66	7.61	8.60	10.10	10.78	9.24	77.50
1936-37	7.38	6.72	3.91	2.35	2.15	3.33	5.50	5.76	7.58	10.24	9.72	8.95	73.59
1937-38	6.96	4.33	3.88	3.52	2.18	3.00	3.82	4.82	6.50	9.30	9.76	8.88	66.95
1938-39	7.41	6.34	4.26	3.00	3.37	2.98	5.02	5.85	8.58	10.12	8.64	7.64	73.21
1939-40	6.33 A	4.42	3.86	2.03	2.80	3.69	3.80	4.45	4.79	7.30	8.30	6.94	58.51
1940-41	6.28	4.92	5.02	3.72	2.58	3.66	3.65	5.95	5.95	8.34	7.78	5.62	63.47
1941-42	5.32	5.28	3.36	3.98	3.08	4.10	2.88	4.30	5.02	7.75	8.40	6.52	59.99
1942-43	6.08	4.30	3.72	3.38	3.30	2.95	3.78	5.68	7.25	8.72	7.38	7.42	63.96
1943-44	5.60	4.92	2.02	2.12	1.96	2.87	3.52	4.30	4.99	6.91	8.00	5.98	53.19
1944-45	4.52	2.60	3.16	2.55	2.08	2.06	3.30	5.48	4.88	7.43	7.54	7.12	52.72
1945-46	4.36	4.12	2.92	3.54	2.14	2.91	3.50	3.92	7.55	8.45	8.72	7.52	59.65
1946-47	4.56	2.62	2.18	2.66	2.40	2.68	3.52	3.98	4.70	8.28	7.32	5.86	50.76
1947-48	4.28	3.52	2.80	3.22	2.83	2.73	3.16	4.87	4.96	7.44	6.39	5.98	52.18
1948-49	4.00	4.21	2.33	2.05	1.40	2.18	3.42	4.20	5.86	6.14	6.61	5.88	48.28
1949-50	4.36	3.97	2.78	1.62	1.42	2.14	3.01	3.58	5.22	6.22	6.72	4.32	45.36
1950-51	5.36	3.47	3.12	2.52	2.22	3.37	2.33	3.88	4.76	6.60	6.51	5.28	49.42
1951-52	5.02	3.36	2.29	1.84	2.72	2.58	2.66	4.85	5.02	6.72	7.02	6.72	50.80
1952-53	4.59	3.66**	2.52	2.54	4.40	3.40	3.30	5.74	5.20	7.47	6.96	5.90	55.68**
1953-54	6.04	3.98	4.34	2.38	3.86	3.30	3.33	4.98	5.70	7.58	7.40	5.67	57.56
1954-55	3.76	2.79	2.38	1.84	2.70	2.98	4.10	3.34	4.62	5.55	5.88	5.90	45.84
1955-56	3.46	3.25	1.72	1.78	1.84	3.48	2.48	3.83	5.25	5.45	5.38	5.50	43.42
1956-57	3.45	4.32	2.87	1.66	1.20	1.88	2.52	3.00	4.80	6.40	6.16	4.32	42.58
1957-58	2.82	2.08	2.21	1.96	1.41	1.82	2.71	3.73	4.97	5.43	5.04	5.04	39.22
1958-59	4.42	3.02	2.89	1.86**	1.65	3.08	2.94	3.62	4.46	6.04	5.53	3.50	43.01**
1959-60	3.90	3.80	2.96	1.85	1.74	1.88	3.15	4.00	4.58	6.06	5.34	4.82	44.08
1960-61	3.52	1.68	1.66	1.57	1.64	2.08	2.85	4.32	5.34	6.88	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**

NOTE: "A" OCTOBER 1939. SEE LEGEND

TABLE XII (Continued)

EVAPORATION AT BOUQUET CANYON RESERVOIR

STATION #124

(LAND PAN L-36)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1934-35	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	10.66	11.40	10.09	9.45	INC.
1935-36	8.26	4.73	4.10	3.90	1.74	5.58	6.05	9.04	10.03	11.53	11.64	10.08	86.68
1936-37	6.90	7.63	3.73	2.32	2.46	3.91	7.26	8.06	10.44	13.77	13.44	10.84	90.76
1937-38	8.84	4.92	4.90	5.37	2.78	3.95	6.34	7.50	9.81	13.10	12.36	10.43	90.30
1938-39	7.30	7.52	4.52	3.87	4.21	4.84	7.38	8.09	11.52	11.82	12.12	8.45	91.64
1939-40	8.85	6.06	4.90	2.68	3.25	5.52	5.92	8.98	10.88	12.80	11.84	8.90	90.58
1940-41	7.52	6.71	3.95	2.41	1.88	4.23	5.35	8.49	9.20	11.82	9.69	9.20	80.40
1941-42	6.33	5.77	2.65	4.30	9.06	6.34	3.96	7.75	10.70	13.20	11.53	9.86	86.48
1942-43	7.69	5.94	4.15	4.31	3.95	6.18	4.69	9.60	8.91	11.76	11.28	9.82	88.28
1943-44	6.59	6.22	3.13	3.53	2.69	5.97	5.54	7.18	7.12	11.12	12.18	9.33	80.60
1944-45	7.06	3.85	4.82	3.78	3.34	3.22	6.29	7.49	7.83	11.22	10.08	7.88	76.86
1945-46	5.33	4.14	3.20	4.36	3.18	4.03	5.87	5.38	9.72	10.43	11.02	9.66	76.32
1946-47	6.43	4.09	3.76	5.10	3.12	4.13	6.12	8.59	10.02	13.82	11.50	9.75	86.43
1947-48	6.93	5.70	4.48	6.04	3.96	5.42	4.78	7.64	8.25	12.77	12.02	10.34	88.33
1948-49	7.22	7.48	2.93	4.00**	1.71	3.94	6.62	6.77	9.96	12.08	11.52	10.58	84.81**
1949-50	7.96	6.83	3.88	1.91	4.78	5.31	6.24	7.60	9.47	11.31	11.68	8.12	85.09
1950-51	7.06	6.54	4.51	2.60	3.21	6.55	5.63	9.08	9.40	11.76	10.54	10.62	87.50
1951-52	7.66	5.51	2.82	1.64	4.41	3.73	5.12	9.56	8.44	11.30	10.72	9.18	80.09
1952-53	7.88	5.01	3.72	4.08	5.31	5.11	5.38	7.73	8.34	12.36	11.41	9.16	85.49
1953-54	8.16	5.19	6.45	3.07	6.04	3.60	5.90	7.78	9.60	11.94	10.16	9.06	86.95
1954-55	7.84	5.66	4.72	2.69	4.24	5.62	6.68	6.40	8.02	10.58	11.32	9.64	83.41
1955-56	8.10	5.14	2.36	2.61	3.68	6.48	4.16	5.99	9.40	10.32	9.44	9.04	76.72
1956-57	5.49	7.56	5.74	2.21	2.19	3.86	5.02	4.74	9.98	12.08	10.86	8.24	77.97
1957-58	4.32	4.27	4.56	4.49	2.01	1.91	5.24	7.23	8.78	10.42	10.08	8.12	72.43
1958-59	7.51	4.56	4.38	2.96	2.12	6.34	6.34	7.48	9.90	11.12	9.58	6.86	79.15
1959-60	6.98	6.78	4.63	1.92	2.78	4.80	6.40	7.99	10.64	11.82	10.52	8.50	83.77
1960-61	6.06	3.44	4.15	4.95	4.20	4.78	6.25	7.76	10.34	11.72	10.23	8.23	82.11
1961-62	7.20	4.55	3.01	4.62	1.59	3.21	6.66	6.55	9.08	11.62	12.34	9.34	79.97
1962-63	6.86	5.14	5.34	3.86	4.20	4.99	4.40	6.17	9.10*	13.50*	12.34*	8.10	84.00*

EVAPORATION AT BOUQUET CANYON RESERVOIR

STATION #124

(FLOATING PAN F-36)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1934-35	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	8.44	9.88	9.24	8.50	INC.
1935-36	7.27	4.61	3.57	3.29	1.44	4.32	4.53	7.50	8.20	9.55	10.04	9.04	73.36
1936-37	6.36	5.91	2.33	1.76	2.00	2.87	5.43	5.46	7.04	10.07	10.14	8.74	68.11
1937-38	7.39	4.54	3.42	4.18	1.60	2.27	3.71	4.57	6.99	9.26	9.74	8.57	66.25
1938-39	6.35	5.10	3.43	2.59	3.05	3.48	5.01	6.42	9.14	10.24	10.70	7.54	73.05
1939-40	7.67	5.17	4.07	2.32	2.58	3.90	4.76	7.24	8.84	11.06	10.22	8.18	76.01
1940-41	6.94	6.37	3.13	1.71	1.06	2.87	3.37	5.70	7.60	9.95	8.30	8.23	65.23
1941-42	5.95	5.11	3.91	3.50	3.12	4.56	3.42	6.13	8.70	11.18	9.84	8.58	74.00
1942-43	7.61	5.56	3.83	3.74	3.33	5.14	4.05	7.44	7.69	9.50	10.06	9.12	77.07
1943-44	6.69	6.14	3.13	2.97	2.21	4.69	4.42	5.90	5.68	9.12	10.56	8.25	69.76
1944-45	6.42	3.93	3.83	2.76	2.35	2.81	5.09	6.57	6.35	10.04	9.90	8.24	68.29
1945-46	5.11	4.68	3.70	3.72	2.92	3.51	4.45	5.02	8.52	9.67	10.44	8.60	70.34
1946-47	6.33	3.63	3.18	4.14	2.25	3.37	5.45	6.97	7.78	11.16	9.80	8.29	72.35
1947-48	6.11	5.85	4.02	3.95	3.36	3.64	3.49	6.65	6.82	10.11	10.48	9.62	74.10
1948-49	6.68	7.21	2.55	3.13*	0.93	2.36	4.97	5.97	7.68	10.09	10.12	9.54	71.23**
1949-50	7.64	5.65	4.16	1.76	3.28	3.52	5.17	6.09	8.42	10.11	10.58	8.02	74.40
1950-51	6.44	5.08	3.95	2.18	2.54	5.28	4.49	6.94	8.02	10.64	10.44	9.33	75.53
1951-52	7.37	5.52	3.01	1.24	3.31	3.23	3.79	7.70	7.58	9.06	9.64	8.90	70.35
1952-53	8.08	4.97	2.86	3.18	4.62	3.60	4.18	5.73	5.84	8.98	9.19	7.10	68.33
1953-54	6.90	3.74	4.56	3.13	4.05	2.65	3.87	5.34	6.90	8.24	8.28	7.78	65.44
1954-55	6.38	4.57	4.47	1.81	2.66	3.29	4.60	4.43	5.96	7.84	8.68	7.96	62.65
1955-56	6.72	4.51	2.02	2.08	2.98	4.57	2.91	4.21	6.80	7.78	8.18	7.66	60.42
1956-57	5.53	6.87	4.37	1.92	1.16	3.02	3.94	3.22	7.24	8.91	8.50	6.83	61.51
1957-58	4.22	3.93	3.90	3.42	1.44	1.97	3.75	5.28	6.88	8.09	7.78	8.32	58.68
1958-59	6.54	4.34	3.77	2.40	1.54	4.98	4.46	5.66	7.92	8.70	8.90	6.19	65.60
1959-60	6.14	5.62	3.97	1.74	2.21	3.26	4.81	6.30	8.02	9.52	9.22	7.28	68.09
1960-61	5.90	3.34	3.94	4.08	3.16	3.30	4.83	5.74	7.62	9.26	8.38	7.13	66.68
1961-62	6.19	4.23	2.65	3.14	0.85	2.06	4.90	5.35	6.44	9.34	9.78	7.58	62.51
1962-63	6.52	4.70	4.86	N.R.	N.R.	N.R.	N.R.	DISCONTINUED					INC.

EVAPORATION AT DRY CANYON RESERVOIR

STATION #127

(FLOATING PAN F-36)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1932-33	N.I.	N.I.	N.I.	2.76*	1.90*	3.14	4.23	5.27	6.77	8.47	8.64	7.95	INC.
1933-34	6.29	6.22	2.38	3.85	1.29	3.35	5.74	7.20	5.67	8.58	8.27	7.55	66.39
1934-35	6.54	3.00	2.11	1.62	1.75	3.06	3.90	4.56	6.98	8.66	7.96	6.99	56.23
1935-36	6.65	3.96	2.87	2.83	2.65	3.38	3.98	6.54	7.37	7.84	9.40	7.70	65.17
1936-37	4.44	5.48	1.32	1.16	1.68	1.89	5.22	4.95	6.69	9.19	9.24	9.96	59.22
1937-38	7.06	3.74	2.80	4.46	2.87	3.20	3.70	5.63	6.69	9.50	9.52	7.76	16.93
1938-39	6.34	6.51	2.96	2.74	2.59	2.44	4.34	6.10	8.44	8.88	9.22	5.82	66.38
1939-40	7.17	4.44	3.85	1.82	2.20	3.89	4.01	6.77	7.52	10.12	8.86	6.72	67.37
1940-41	5.11	5.95	2.26	1.10	1.16	2.10	3.50*	5.73	6.22	8.50	7.54	7.24	56.41**
1941-42	6.45	3.76	1.84	2.65	2.63	4.09	2.98	6.14	7.64	10.54	9.73	8.16	66.61
1942-43	6.54	5.22	3.21	3.24	1.97	1.41	4.19	6.82	6.48	8.72	9.22	8.26	65.28
1943-44	6.07	5.56	2.56	2.57	2.08	5.71	4.25	4.53	5.75	8.40	9.60	6.58	63.66
1944-45	5.75	2.85	3.35	2.91	2.82	2.06	4.53	5.88	6.14	8.52	8.41	7.48	60.70
1945-46	4.61	4.56	3.10	3.46	2.14	3.24	4.34	4.69	7.58	8.34	9.48	8.16	63.70
1946-47	5.34	3.12	2.24	3.62	1.97	2.70	4.74	5.70	6.96	9.92	8.61	6.82	61.74
1947-48	5.13	5.32	2.90	3.60	2.66	2.75	3.65	6.02	6.23	9.30	9.06	8.08	14.70
1948-49	4.85	6.15	2.03	2.01	2.05	2.55	4.53	5.67	7.46	9.14	8.86	7.98	63.28
1949-50	6.34	5.74	3.57	1.68	3.08	4.39	4.67	5.72	7.40	8.86	9.20	6.26	66.91
1950-51	4.94	4.07	3.17	2.06	2.60	5.01	3.26	6.90	7.32	8.92	9.28	7.34	64.96
1951-52	5.69	4.32	2.58	2.30	2.33	2.47	3.27	6.30	6.22	8.39	9.04	7.72	60.63
1952-53	5.48	3.74	1.84	2.40	4.25	4.04	3.79	6.82	6.56	9.50	9.14	7.36	64.92
1953-54	7.13	4.83	4.90	1.85	3.31	2.83	3.31	5.74	7.06	8.99	7.83	7.64	65.42
1954-55	6.23	4.46	3.94	2.02	3.53	3.80	5.28	4.20	5.94	8.10	9.36	8.10	64.96
1955-56	5.84	4.34	1.74	1.19	2.70	4.96	2.76	3.92	7.26	8.16	8.22	8.12	59.21
1956-57	5.04	7.20	4.84	1.58	1.18	4.48	3.76	5.22	10.68	10.86	8.82	6.54	70.23
1957-58	3.93	4.05	3.10	3.12	1.10	1.63	4.59	5.57	6.94	7.78	7.44	8.09	57.34
1958-59	6.51	5.28	4.12	3.06	1.82	4.84	4.72	6.36	7.78	9.16	8.92	5.98	68.55
1959-60	5.80	6.48	4.07	1.65	2.43	3.56	5.60	6.52	7.54	10.12	8.60	7.40	69.77
1960-61	5.39	3.62	2.88	4.28	3.48	4.54	4.74	6.37	7.56	9.20	8.76	8.28	69.08
1961-62	6.56	4.17	2.99	4.18	1.54	3.22	5.16	6.10	6.74	8.82	9.70	7.70	66.88
1962-63	4.76	4.04	3.84	3.30	3.07	3.70	3.79	4.46	5.69	9.18	8.83	6.89	61.55

TABLE XII (Continued)

EVAPORATION AT RADIUM HOT SPRINGS

STATION #128

(24" DIAMETER UNSCREENED PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.R.	N.R.	N.R.	N.R.
1931-32	INC.	INC.	.38	.68	INC.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1932-33	N.R.	5.31	3.82	INC.	4.10	5.22	5.70	8.00	10.60	13.58	13.46	11.50	INC.
1933-34	9.84	9.57	3.93	3.70	2.46	6.00	8.58	9.86	7.84	12.86	11.60	8.94	95.18
1934-35	6.93	4.27	3.16	2.48	3.20	3.56	4.91	6.24	10.08	11.46	10.60	9.50	76.39
1935-36	7.34	3.70	3.41	3.14	1.68	4.98	5.85	8.74	10.10	11.58	10.30	9.70	81.52
1936-37	6.63	4.88	2.71	1.14	2.12	3.47	6.26	6.48	9.19	11.66	11.28	9.37	75.19
1937-38	7.09	4.06	3.20	3.12	1.94	3.36	5.50	6.46	7.99	11.16	10.68	8.97	73.53
1938-39	6.03	5.50	3.54	2.50	3.18	3.66	5 87	7.56	9.66	10.95	10.68 A**	DISCONTINUED	INC.

NOTE: "A" SEE LEGEND

EVAPORATION AT EL SEGUNDO

STATION #157

(24" DIAMETER UNSCREENED PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	INC.	6.94	INC.
1931-32	5.67	4.48	2.96	3.21	2.84	5.42	6.94	7.52	7.45	7.65	7.44	5.44	66.97
1932-33	5.00	4.40	3.53	2.88	3.90	5.14	6.08	7.58	6.35	6.66	7.20	4.99	63.71
1933-34	4.06	4.39	2.52	2.90	2.77	4.36	5.84	7.82	7.20	7.14	7.26	6.11	62.37
1934-35	4.60	3.60	3.09	3.24	3.84	4.38	5.26	6.70	5.97	8.09	7.72	5.96	62.45
1935-36	5.74	3.92	3.27	3.48	3.03	5.16	4.98	7.55	7.75	8.05	7.60	5.56	67.09
1936-37	4.89	4.88	3.56	3.56	2.71	5.06	6 56	6 36	8 08	9.06	7.57	7.04	69.33
1937-38	5.12	3.46	3.50	3.80	3.58	5.84	6.76	7.30	8.06	8.54	8.94	6.92	71.82
1938-39	6.06	5.68	3.98	3.37	4.68	4.60	6.28	7.66	9.34	9.34	8.21 A**	DISCONTINUED	INC.

NOTE: "A" SEE LEGEND

EVAPORATION AT BIG DALTON DAM

STATION #223B

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	10.22	9.17	5.84	4.66	3.86	8.86	7.74	8.02	9.80	12.76	11.97	11.16	104.06
1931-32	7.32	5.08	3.02	3.21	2.71	6.02	7.20	7.15	8.41	11.02	11.84	8.88	81.82
1932-33	6.78	7.88	3.10	4.25	4.35	6.47	5.51	6.60	9.39	10.92	10.22	7.78	83.25
1933-34	8.03	7.99	3.22	4.52	2.84	6.42	7.08	9.42	6.76	12.15	11.36	11.02	90.81
1934-35	7.02	3.77	3.52	2.87	4.16	3.25	4.42	5.72	8.30	10.45	10.42	7.82 A	71.72
1935-36	6.50	4.12	3.28	2.88	1.85	4.05	4.10	7.00	8.24	9.32	9.55	8.45	69.34
1936-37	6.22	5.00	2.92	1.50	1.92	3.28	5.75	5.00	6.60	9.40	9.40	8.25	65.24
1937-38	6.98	3.80	3.22	3.40	2.65	2.12	2.65	3.45	6.08	8.95	8.80	7.53	59.66
1938-39	5.28	4.65	4.08	2.98	3.48	2.48	3.58	4.28	6.32	7.70	7.88	6.98	59.62
1939-40	4.85	3.75	2.82	1.55	2.25	3.22	2.65	5.58	6.40	9.85	8.42	6.78	58.12
1940-41	5.02	2.75	1.74	1.45	.78	1.88	2.55	5.18	5.22	8.50	6.32	5.65	47.04
1941-42	4.00	3.35	1.55	1.72	2.30	3.25	2.22	4.80	4.80	9.48	8.18	6.55	52.20
1942-43	4.72	4.48	3.83	3.34	2.80	1.73	3.20	5.37	6.12	8.88	8.30	7.96	60.73
1943-44	5.06	4.75	1.81	1.10	1.43	3.50	3.06	3.23	3.38	6.51	9.71	7.13	50.69
1944-45	3.99	.86	1.14	3.10	2.02	.64	2.88	2.63	2.91	6.78	6.81	5.01	38.77
1945-46	4.98	1.04	.74	1.30	.55	.90	1.46	1.60	6.14	8.28	8.69	6.26	41.94
1946-47	4.15	2.23	1.30	2.73	2.04	1.36	2.32	4.26	4.28	9.00	7.14	5.99	46.80
1947-48	4.17	3.78	2.94	3.20	2.83	2.10	3.12	3.74	4.32	6.70	7.49	6.89	51.28
1948-49	3.40	2.92	.98	1.18	1.38	1.37	3.38	3.38	5.93	7.05	6.80	6.72	44.49
1949-50	4.22	3.02	1.80	.86	1.51	2.76	2.71	3.74	5.88	7.40	6.79	5.14	45.83
1950-51	4.93	3.04	2.22	1.40	1.86	3.07	2.58	3.85	4.88	7.37	6.94	6.63	48.77
1951-52	4.83	2.31	1.46	1.08	2.01	2.07	2.36	5.62	5.48	7.81	7.80	6.10	48.93
1952-53	4.64	2.08	1.17**	1.50**	3.27	2.81	2.70	4.58	4.62	7.05	6.77	5.43	46.62**
1953-54	4.41	2.31	2.52	1.37	2.46**	2.42	2.73	3.98	4.47	6.64	6.14	5.70	45.15**
1954-55	4.04	2.35	1.55	1.33	2.06	2.74	3.96	3.16	4.36	5.94	6.78	6.36	44.63
1955-56	3.76	2.28	1.02	1.08	1.68	3.10	2.63	3.34	5.27	6.10	6.06	5.86	42.28
1956-57	3.07	2.91	2.08	.96	1.08	1.88	2.72	2.84	4.41	6.80	7.14	5.26	41.15
1957-58	2.38	1.64	1.20	1.57	1.01	1.17	2.82	4.38	5.87	6.50	5.76	5.29	46.45
1958-59	4.12	2.46	2.48	1.68	1.44	3.56	3.64	3.75	5.44	7.26	6.54	4.08	46.45
1959-60	3.66	3.03	1.96	1.14	1.59	2.10	3.54	4.52	5.60	8.08	7.72	7.34	50.28
1960-61	5.11	2.44	3.12	3.16	3.20	3.24	5.19	5.73	7.14	9.01	8.27	6.74	62.35
1961-62	6.04	3.83**	2.02	3.06	1.30**	2.18**	5.22	5.24	5.94	4.48	9.11	7.18	55.60
1962-63	4.63	3.58	3.08	2.24	2.73**	3.25**	3.27	3.88	4.10	7.98	7.40	5.77	51.91**

NOTE: "A" SEPTEMBER 1935, SEE LEGEND

EVAPORATION AT STONE CANYON DAM

STATION #237

(FLOATING PAN F-30)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	N.I.	N.I.	N.I.	3.00	1.56	5.25	4.30	4.74	6.16	7.56	7.00	6.51	INC.
1931-32	5.41	4.68	3.10	2.67	2.85	3.19	4.75	4.93	5.57	6.29	6.98	4.86	55.28
1932-33	5.32	5.47	3.11	3.00	3.36	2.99	4.56	4.34	5.52	6.83	6.80	4.61	55.91
1933-34	4.91	5.04	2.97	2.89	1.20	3.54	4.66	5.87	4.43	6.04	6.46	5.92	53.93
1934-35	4.63	2.60	1.91	1.10	2.00	2.29	3.16	4.01	4.91	6.42	6.85	6.10	45.98
1935-36	5.51	2.96	2.04	2.38	1.27	2.64	4.44	4.62	5.57	7.28	7.91	6.28	52.90
1936-37	4.25	4.07	2.18	1.94	1.40	2.12	3.28	3.86	4.99	6.95	7.26	6.61	48.92
1937-38	4.88	3.16	3.02	2.25	1.00	2.76	3.19	4.24	3.93	5.71	7.73	4.03	45.90
1938-39	5.24	5.03	2.16	DISCONTINUED									INC.

EVAPORATION AT STONE CANYON RESERVOIR

STATION #237C

(24" DIAMETER SCREENED PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	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	6.26	3.98	2.52	5.71	4.10	4.61	6.78	7.89	7.88	6.30	72.79
1957-58	4.64	6.10	6.28	4.58	3.35	2.52	5.61	5.59	6.77	6.76	7.23	6.88	66.31
1958-59	7.24	5.14	5.25	3.66	3.18	5.77	4.41	5.24	5.97	8.53	8.12	5.90	68.41
1959-60	5.66	6.50	5.40	2.28	3.83	3.79	6.52	6.66	6.38	8.87	8.06	7.52	71.47
1960-61	6.16	3.75	4 80	5.38	4.80	4.42	5.16	6.20	6.09	8.86	8.86	6.92	70.40
1961-62	6.58	5.31	3.66	5.77	2.06	2.94	5.98	6.19	6.02	7.86	8.64	6.60	67.59
1962-63	4.85	4.46	3.74	3.55	3.51	5.11	3.90	4.50	4.99	8.12	7.85	6.88	61.46

TABLE XII (Continued)

EVAPORATION AT WEST SADDLE PEAK

STATION #248

(24" DIAMETER SCREENED PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	7.67	6.70	INC.
1931-32	5.15	3.36	1.54	1.64	3.95	4.24	5.70	5.92	7.15	7.88	8.02	5.62	60.17
1932-33	5.05	4.54	2.58	6.16	3.28	4.13	4.50	5.95	6.30	7.90	7.56	5.32	63.27
1933-34	4.66	3.96	1.42	2.30	1.62	3.78	5.14	6.62	5.44	7.86	7.52	6.24	56.56
1934-35	4.41	2.48	1.51	.96	2.35	2.14	2.99	4.70	6.27	8.15	7.44	6.20 A	49.50
1935-36	4.64	2.72	2.18	2.09	1.12	3.34	3.56	5.95	7.09	7.81	7.58	6.19	54.27
1936-37	3.95	3.28	1.49	1.18	1.44	2.88	4.42	4.46	6.50	7.96	7.25	6.42	51.24
1937-38	4.86	2.68	2.66	2.72	1.58	2.69	3.60	5.18	4.98	6.94	7.20	5.95	51.04
1938-39	4.34	3.78	2.57	2.00	2.96	3.50	3.84	4.82	6.18	6.74	6.74	5.96	53.43
1939-40	4.48	2.48	1.76	1.50	1.92	2.86	3.59	4.71	5.65	6.59	5.91	5.33	46.78
1940-41	4.26	2.98	1.62	1.41	1.44	1.86	2.50	4.80	4.55	5.42	5.00	4.43	40.27
1941-42	3.31	3.02	1.16	1.66	2.28	3.46	1.40	3.89	3.74	5.26	4.86	4.42	38.46
1942-43	3.60	2.76	2.36	1.75	1.86	1.30	2.74	4.01	4.68	5.00	5.10	5.04	40.20
1943-44	3.07	1.64	1.16	2.15	1.64	3.80	4.14	4.18	4.14	5.16	6.44	5.21	42.73
1944-45	DISCONTINUED												

NOTE: "A" SEE LEGEND

EVAPORATION AT ACTON - ESCONDIDO CANYON

STATION #261B

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	6.81	4.32	2.18	2.64	1.94	5.88	6.92	7.80	10.18	13.38	13.86	10.94	86.97
1932-33	7.89	6.49	3.13	3.04	4.42	6.26	6.86	7.10	10.19	12.78	12.29	10.08	90.53
1933-34	8.10	7.46	3.95	4.62	3.54	7.18	9.00	10.90	9.23	13.80	13.43	10.35	101.56
1934-35	7.71	4.56	3.92	2.94	3.99	4.01	5.38	8.02	11.86	13.00	11.67	10.24	87.24
1935-36	7.80	5.54	4.63	4.75	2.21	6.00	6.53	10.12	11.34	13.04	13.22	10.82	96.01
1936-37	6.96	6.74	3.51	1.80	2.66	4.35	6.36	7.62	9.94	13.26	13.54	10.58 A	87.32
1937-38	7.92	4.62	4.30	4.36	2.35	3.24	5.62	7.32	9.26	11.86	11.62	9.51	81.98
1938-39	8.96	7.12	3.91	3.02	3.32	3.96	6.24*	8.02	10.77	12.50	13.09	7.59	86.50**
1939-40	7.08	4.62	4.22	2.38	2.62	4.52	5.82	9.20	11.15	13.94	13.25	8.82	87.62
1940-41	6.64	5.29	3.56	2.30	2.10	3.57	4.22	8.32	9.61	12.22	10.32	9.04	77.19
1941-42	5.77	4.80	2.51	3.33	3.24	5.29	4.40	7.84	10.12	13.40	11.72	9.20	81.62
1942-43	6.78	4.63	3.74	3.46	3.54	3.16	4.94	8.58	9.16	10.51	10.88	9.33	78.71
1943-44	6.42	5.14	2.84	2.92	2.13	4.98	6.05	7.72	7.91	11.64	11.10	8.73	77.58
1944-45	6.77	3.34	3.86	3.27	2.70	2.92	5.81	8.30	8.63	12.68	11.90	9.02	79.20
1945-46	5.93	4.56	3.13	4.42	3.59	4.28	5.72	6.98	11.23	11.96	12.76	9.70	84.26
1946-47	5.80	3.02	2.14	3.02	2.74	3.42	5.10	7.85	8.32	11.87	10.34	8.47	72.09
1947-48	5.50	3.98	2.83	3.98	3.07	3.47	5.10	7.21	7.84	11.64	11.18	9.26	75.06
1948-49	5.53	5.02	2.67	1.12#	2.12	3.05	5.35	6.92	8.93	10.48	10.23	8.87	70.29#
1949-50	5.70	4.45	3.19	2.04	2.50	4.24	5.76*	8.53*	10.82	13.76	14.34	9.85	84.98**
1950-51	8.90	7.74	5.92	4.02	4.32	7.12	6.18	10.02	10.78	13.62	13.72	11.78**	104.12**
1951-52	9.38	6.30	3.10	2.57	4.30	2.98	4.38	8.92	9.08	12.18	12.46	10.66	86.31
1952-53	8.52	4.75**	3.26**	3.95**	4.14**	4.48	5.13	7.48	8.88	13.40	12.53	10.22	86.74**
1953-54	8.27	5.46	6.30	3.08**	5.54**	3.53	5.04	8.29	10.26	13.86	11.36	10.21	91.21**
1954-55	8.33	5.90	4.88	2.60	4.46	5.60	7.31	6.49	9.43	11.49	13.08	10.43	89.60
1955-56	7.98	5.58	2.71	2.88	3.74	6.60	4.36	5.49	9.50	11.34	10.94	10.47	81.59
1956-57	5.96	7.52	5.63	2.03	2.30	3.24	4.72	5.58	12.26	13.72	12.00	8.70	83.66
1957-58	5.40	4.22	4.07	3.70**	1.76**	1.86	4.14**	7.62	10.01	12.25	11.74	9.64	76.41**
1958-59	7.58	4.92	5.12	3.88	2.42**	5.56	5.64	7.28	11.08	12.72	12.13	8.36	86.69**
1959-60	8.42	7.58	5.58	2.70	3.52	5.33	7.84	9.50	12.94	14.29	13.28	10.39	101.37
1960-61	7.90	4.33*	5.44	5.80	4.62	4.76	7.18	8.06	11.75	13.15	11.06**	9.46	93.51**
1961-62	8.83	4.85**	3.84**	5.13**	1.75	2.80	6.38	7.38	9.45	12.33	12.43	9.31	84.48
1962-63	6.81	4.92	5.36	4.40	4.04**	4.65**	4.69	6.52	7.84	13.90	12.00	9.18	84.31**

NOTE: "A" SEPTEMBER 1937, SEE LEGEND

EVAPORATION AT PUENTE HILLS

STATION #265C

(24" DIAMETER PAN - UNSCREENED TO 9/30/46

AND SCREENED SUBSEQUENT TO 9/2/46)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	4.72	3.22	1.84	1.16	.80	2.53	5.58	4.88	5.78	6.76	6.90	5.34	49.51
1932-33	4.50	4.90	2.32	2.26	3.05	3.20	3.73	4.95	5.53	6.50	6.30	5.21	52.46
1933-34	4.50	4.55	2.38	2.59	1.60	2.70	4.67	6.36	4.46	6.74	6.60	6.46	53.61
1934-35	3.87	2.11	1.52	1.46	1.84	1.60	2.60	4.08	5.19	6.86	6.92	5.26	43.31
1935-36	4.70	3.08	2.80	2.50	1.46	2.70	3.42	5.64	5.94	6.88	7.04	5.74	51.90
1936-37	4.16	4.28	2.24	1.62	1.26	2.30	3.41	4.10	5.53	6.42	6.76	6.12	48.20
1937-38	4.30	2.56	2.97	2.85	1.60	2.44	3.47	4.24	5.04	6.44	6.80	6.36	49.07
1938-39	4.58	4.48	2.63	1.74	2.52	2.75	3.30**	4.40 A**	5.84	6.24	5.85	5.35	49.67**
1939-40	3.90	2.46	1.64	.78	1.43	2.88	3.21	4.58	4.42	6.55	5.96	4.93	42.74
1940-41	3.66	2.47	1.38	.94	.44	1.84	2.54	4.76	4.50	6.01	5.32	4.34	38.20
1941-42	3.42	2.30	.97	1.63	1.76	3.61	2.36	4.68	4.14	6.84	5.72	3.80	41.22
1942-43	3.18	2.98	1.38	1.06	1.60	1.37	2.60	4.46	5.05	5.52	5.68	4.20	39.08
1943-44	2.74	2.81	.73	1.29	.94	2.54	3.44	3.54	3.94	4.86	5.57	3.82	36.22
1944-45	2.32	1.09	1.72	1.00	1.03	2.08	3.46	4.31	3.38	4.94	5.34	4.68	34.95
1945-46	3.08	2.04	1.60	1.54	1.42	1.90	2.38	2.98	5.42	6.34	6.34	4.86	39.74
1946-47	2.39	.85	.61	.98	.74	1.60	2.66	2.38	3.22	5.68	4.91	3.56	29.58
1947-48	2.05	1.42	.84	1.44	1.21	1.82	2.29	3.09	3.54	4.67	4.14	3.75	30.26
1948-49	1.97	1.72	1.12	.74	.83	1.79	2.46	2.67	3.73	4.59	4.46	3.83	29.91
1949-50	2.40	1.94	1.06	.97	.43	1.50	2.13	2.65	3.50	4.99	4.28	2.46	28.31
1950-51	2.18	1.33	.89	.75	.92	2.38	1.58	3.07	3.41	4.52	4.42	2.79	28.24
1951-52	2.33	INC.	DISCONTINUED										INC.

NOTE: "A" MAY, 1939, SEE LEGEND

TABLE XII (Continued)

EVAPORATION AT TORRANCE

STATION #268

(24" DIAMETER UNSCREENED PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	5.17	2.32	1.22	1.16	1.47	4.24	6.16	6.66	6.96	7.64	7.60	5.58	56.18
1932-33	4.32	2.52	1.61	1.18	2.08	4.12	4.94	7.10	6.10	7.03	7.32	5.43	53.74
1933-34	4.34	2.72	.98	1.10	1.16	3.78	5.58	8.01	5.93	7.89	7.81	6.64	55.94
1934-35	4.58	1.72	1.12	.40	1.84	2.80	3.96	6.06	6.06	8.15	7.61	5.88	50.18
1935-36	4.90	2.14	1.32	1.72	1.76	3.91	4.48	7.17	7.64	8.38	8.00	6.86	58.28
1936-37	4.70	2.31	1.16	1.00	1.41	3.96	5.52	6.04	7.32	8.49	7.70	7.11	58.72
1937-38	5.15	2.08	1.80	1.65	1.42	4.50	5.38	6.84	7.02	8.54	8.24	7.41	60.03
1938-39	4.88	3.03	1.24**	1.06 A	2.39	3.16	5.22	6.40	7.34	8.25	7.60	7.54	58.11**
1939-40	5.02	1.52	1.02	.91	1.34	3.68	5.34	6.88	6.54	8.62	7.94	6.60	55.41
1940-41	4.58	2.30	1.20	.75	.74	2.91	4.12	7.88	7.25	7.82	6.98	6.54	53.06
1941-42	4.64	1.84	1.22	.88	1.52	4.31	4.00	6.58	5.90	8.15	7.30	5.66	52.02
1942-43	4.07	1.48	1.26	1.11	1.27	2.70	4.13	6.59	7.13	7.51	7.60	6.26	51.11
1943-44	4.18	1.88	1.08	.92	1.08	4.10	5.48	5.32	6.28	6.75	7.14	5.24	49.45
1944-45	3.87	1.09	1.24	1.06	1.52	2.85	5.02	6.67	5.28	7.10	7.82	6.66	50.18
1945-46	4.40	1.94	1.14	1.64	1.28	3.61	4.14	4.80	7.70	8.16	7.94**	6.46*	53.21
1946-47	DISCONTINUED												

NOTE: "A" JANUARY 1939, SEE LEGEND

EVAPORATION AT ENCINO RESERVOIR

STATION #292D

24" DIAMETER PAN - UNSCREENED TO 9/30/46

AND SCREENED SUBSEQUENT TO 9/30/46

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	8.77	9.73	11.51	11.77	8.14	INC.
1932-33	7.58	7.50	3.70	4.80	5.22	7.37	7.10	9.76	9.58	11.43	10.74	8.15	92.93
1933-34	7.89	7.70	3.26	5.06	3.01	7.30	9.03	11.34	7.72	12.15	10.76	10.93	96.09
1934-35	7.60	3.96	2.48	1.85	4.63	4.37	5.74	7.26	8.98	11.95	12.02	9.66	80.50
1935-36	7.84	4.61	3.97	4.26	2.57	5.98	6.47	9.86	11.80	12.19	12.42	10.58	91.75
1936-37	6.26	6.88	3.15*	1.85	3.25	4.47	8.49	7.83	9.45	13.42	11.56	10.58	87.19**
1937-38	8.24	4.45	3.20	4.45	2.60	3.56	6.80	9.32	8.52	11.70	12.03	11.12	85.99
1938-39	8.28	6.69	4.75*	3.27*	4.02	4.43	7.80	8.35	10.46	11.92	11.73	11.31	93.01**
1939-40	8.95	5.64	4.25	2.09	2.79	5.13	7.03	9.46	9.28	13.54	11.46	9.90	89.52
1940-41	7.51	5.92	3.99	2.17*	2.25*	4.15*	4.75*	9.49	8.93	10.93	9.99	8.48	78.56
1941-42	6.81	5.52	2.86	3.18	4.08	7.04	5.59	8.84	9.26	11.93	9.88	7.61	82.60
1942-43	6.11 A	4.86	3.40	3.52	3.36	3.35	5.66	8.68	9.48	10.29	10.81	9.98	79.50
1943-44	6.88	5.84	2.60	2.89	2.36	5.60	6.49	6.96	7.12	8.71	10.66	7.66	73.97
1944-45	5.64	2.90	3.47	3.46	2.90	3.24	6.60	8.19	6.66	9.55	10.89	8.82	72.32
1945-46	5.48	4.35	2.59	3.57	3.01	4.04	5.04	5.43	8.94	9.60	9.43	8.80	70.28
1946-47	5.28	2.78	1.82	3.03	2.48	3.26	5.04	5.23	5.10	8.81	7.72	6 86	57.41
1947-48	4.55	3.76	2.72	3.04	2.84	3.58	4.48	6.16	6.12	8.55	7.80	7.76	61.36
1948-49	4.62	4.53	2.32	1.68	1.98	2.92	5.15	5.68	7.60	8.46	8.85	7.70	61.49
1949-50	6.09	4.76	3.04	1.86	2.16	4.44	5.24	5.67	6.76	8.88	8.42	5.67	62.99
1950-51	6.06	4.18	3.22	2.25	2.55	4.45	4.43	6.72	6.53	8.52	8.76	6.69	64.36
1951-52	6.70	3.64	1.79	1.82	2.87	3.01	3.92	7.05	6.50	8.94	9.40	8.48	64.12
1952-53	5.10	2.83	1.82	2.24	3.74	3.94	4.46	7.29	6.56	9.74	8.90	6.84	63.46
1953-54	6.85	3.98	3.87	2.06	3.48	3.06	3.99	5.75	6.72	9.62	7.75	8.02	65.15
1954-55	5.50	3.70	2.69	1.74	2.70	3.93	.18	4.88	6.16	7.74	9.16	8.73	63.11
1955-56	4.92	3.55	1.55	1.48	2.39	5.05	3.58	5.10	6.90	8.46	8.25	8.62	59.85
1956-57	4.56	5.12	4.06	1.60	1.80	4.02	4.35	5.42	7.58	9.31	8.95	6.98	63.75
1957-58	3.90	3.00	2.33	2.54	2.10	2.16	4.54	6.58	7.86	8.59	7.70	8.60	59.90
1958-59	6.10	4.10	3.66	2.91*	2.10	5.30	5.88	6.48	7.54	9.50	9.19	6.30	69.06**
1959-60	6.05	5.33	3.47	1.82	2.81	4.10	6.64	7.53	7.57	10.06	9.16	INC.	INC.
1960-61	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.
1961-62	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.
1962-63	4.58*	4.35*	3.60	3.42	3.32	5.27	4.89	5.04	5.94	8.81	8.66	7.46	65.34*

NOTE: "A" OCTOBER 1942, SEE LEGEND
CONVERSION COEFFICIENT THROUGH 1940-41, 0.66
" " " 1941-42, 0.71
" " FROM OCTOBER 1942, THROUGH SEPTEMBER 1946, 0.784

EVAPORATION AT ENCINO RESERVOIR

STATION #292B

(48" DIAMETER U.S.W.B. TYPE "A" PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	10.46	10.21	7.08	INC.
1932-33	6.08	7.14	3.33	4.26	5.09	6.87	6.57	8.47	9.43	11.44	9.92	6.85	85.45
1933-34	6.92	6.77	2.89	4.90	2.91	6.24	7.36	9.50	6.56	10.86	9.30	8.96	83.17
1934-35	6.23	3.03	1.99	1.55	3.17	3.52	4.74	6.18	8.38	11.37	10.71	8.27	69.14
1935-36	7.14	3.85	3.12	3.88	2.50	4.56	5.83	8.51	10.12	11.21	11.05	10.57	82.34
1936-37	5.14	5.65	2.46	1.55	2.46	3.98	7.36	6.27	8.41	11.35	10.45	9.06	74.14
1937-38	6.70	3.33	2.25	3.38	1.80	2.86	5.88	7.95	7.83	10.45	10.56	9.28	72.27
1938-39	6.26	5.27	3.72*	2.29	4.07	3.75*	6.13	7.29	8.39	10.67	9.84	10.45	78.13**
1939-40	6.54	4.06	3.33	1.72	2.43	4.23	5.89	7.56	8.11	10.84	9.18	8.08	71.97
1940-41	6.69	4.43	3.19	1.73*	2.11	3.52	4.30	8.70	7.73	9.71	8.33	7.08	67.52**
1941-42	5.40	4.34	2.42	2.78	3.44	6.09	5.06	7.65	7.85	11.78	10.13	7.13	74.07
1942-43	5.97	4.88	3.45	3.49	3.59	3.95	5.83	8.38	8.93	9.85	10.09	9.31	77.72
1943-44	6.47	5.22	2.47	2.92	2.70*	6.45	6.10	6.69	6.92	8.80	10.91	7.52	73.17**
1944-45	5.83	3.02	3.40	3.36	3.26	3.53	7.22	7.67	6.68	9.82	10.10	8.98	72.87
1945-46	5.08	4.15	3.09*	4.53	3.59	5.08	5.62	5.66	9.24	10.50	10.56	9.06	76.16**
1946-47	6.62	4.06*	2.48	3.86	3.35	4.40	6.53	6.54	7.16	11.80	10.02	8.69	75.51**
1947-48	5.71	4.83	3.56	4.28	3.89	4.25	6.28	7.04	7.43	10.58	10.94	9.40	78.19
1948-49	5.95	6.18	3.00	2.19	2.52	3.88	6.62	6.95	8.40	9.87	10.16	9.08	74.80
1949-50	7.14	5.47	3.59	2.40	2.80	5.59	6.33	6.89	7.82	10.90	9.78	8.85	74.56
1950-51	6.60	4.53	4.11	2.91	3.13	5.98	5.49	8.00	7.60	10.56	10.20	8.04	77.15
1951-52	7.50	3.95	2.20	2.16	4.03	4.68	4.91	8.29	7.28	10.81	10.73	8.65	75.19
1952-53	5.72**	2.88	2.37	2.77	4.87	5.56	5.30	8.91	8.68	11.37	9.91	7.91	76.25**
1953-54	7.62	4.33	4.64	2.39	4.53	3.86	4.79	6.12	7.16	10.99	8.89	9.09	74.14
1954-55	6.55	4.49	3.32	2.31	3.53	5.05	6.83	6.13	6.73	8.98	10.68	10.18	74.78
1955-56	6.36	4.72	2.09	2.27	3.14	6.28	5.09	6.29	8.07	9.66	9.00*	9.69	72.66*
1956-57	5.19	6.85	5.35	2.23	2.52	4.70	4.83	5.82	8.36	10.26	10.15	8.48	74.74
1957-58	4.59	3.65	3.30	3.40	3.05	3.07	6.25	7.39	8.49	9.33	8.46	9.71	70.69
1958-59	7.11	5.00	4.56	3.43*	2.82*	5.88	6.42	6.66	8.24	10.53	9.71	7.15	77.51
1959-60	7.01	6.53	4.43	2.26	3.08	4.78	7.59	8.62	8.49	11.5.	10.23	INC.	INC.
1960-61	DISCONTINUED												

TABLE XII (Continued)

EVAPORATION AT ENCINO RESERVOIR

STATION #292B

(30" SQUARE FLOATING PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1929-30	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	9.97	9.20	6.88	INC.
1930-31	6.33	4.39	4.00	2.31	2.93*	5.72	5.62	6.13	7.67	9.32	8.88	7.75	70.95**
1931-32	6.00	4.79	1.83*	4.19	1.64*	5.21	6.83	6.16	7.89	8.80	9.26	6.98	69.58**
1932-33	6.31	5.41	3.39	3.66*	3.65	4.95	5.81	7.46	7.69	9.34	9.33	7.14	74.04**
1933-34	6.16	5.71	2.76	3.86	1.59	4.84	6.92	8.35	6.47	9.37	8.81	8.28	73.14
1934-35	5.87	3.26	1.29	1.30*	2.59	2.65	3.56	5.77	7.25	8.61	8.07	7.39	57.61**
1935-36	6.18	3.30	2.68	2.72	2.40*	3.37	4.79	7.31	8.21	9.36	9.29	7.91	67.52**
1936-37	4.96	4.88	2.58	1.29	1.74*	2.60	6.47	6.16	7.06	9.89	8.52	7.51	63.66**
1937-38	5.53	3.45	1.97	3.18	1.50*	1.38	5.04	6.87	6.59	8.80	9.37	7.71	61.39**
1938-39	6.23	5.99	3.36*	1.59	3.56	3.07	5.15	6.28	7.28	8.80	8.95	8.81	69.07**
1939-40	6.42	4.05	3.21	1.85*	1.14	3.80	5.48	7.00	7.18	9.81	8.46	7.60	66.00**
1940-41	5.82	5.24	2.67	1.50*	1.66	2.78	3.49	7.58	7.07	8.76	7.67	6.61	61.15**
1941-42	5.06	4.42	1.72	2.36	2.87	4.78	3.96	6.69	7.40	10.16	8.81	6.85	65.08
1942-43	5.22	4.72	3.47	2.74	2.64	3.15	4.51	7.42	8.51	8.90	9.46	8.46	69.20
1943-44	6.46	5.33	1.76	2.54	2.49*	5.00	5.47	5.98	6.55	7.37	9.13	6.87	64.95**
1944-45	5.30	3.39	2.94	2.65	2.53	2.81	5.65	6.89	5.72	7.65	8.64	7.52	61.69
1945-46	4.38	4.23	2.91*	3.71	2.69	3.49	4.66	5.57	7.90	8.99	9.38	7.09	65.00**
1946-47	5.66	2.96*	2.21	3.30	2.22	3.45	5.51	6.00	6.58	9.73	9.20	6.90	63.72**
1947-48	4.96	4.30	2.87	3.40	3.10	3.51	4.92	6.39	6.52	9.17	8.65	7.86	65.65
1948-49	5.00	5.62	2.26	2.14	1.86	3.11	5.42	6.14	7.45	8.37	9.08*	8.07	64.52**
1949-50	6.33	3.50	3.63	1.80	1.99	4.21	5.20	6.19	7.30	9.02	8.76	6.37	64.30
1950-51	5.50	3.67	3.13	2.03	2.95	4.68	5.13	6.84	6.80	8.78	9.09	7.03	65.68
1951-52	6.49	3.77	2.26	1.47	3.31	4.96	4.47	7.24	6.89	8.44	9.63	7.04	65.97
1952-53	5.31	2.90	2.40	2.41	4.17	4.28	5.12	7.51	6.54	9.65	8.93	7.43	66.65
1953-54	6.33	4.16	4.46	2.04	3.29	3.60	4.27	5.96	6.84	8.89	7.75	8.04	65.83
1954-55	5.71	4.12	3.46	2.23	3.04	4.06	6.00	5.76	6.61	8.19	8.98	7.88	66.04
1955-56	4.68	4.04	2.30	2.06	2.78	4.80	4.70	5.99	7.30	8.91	8.52	8.34	64.42
1956-57	5.52	5.58	4.40	DISCONTINUED									INC.
1957-58	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
1958-59	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	8.87*	8.31	10.56	10.35	7.17	INC.
1959-60	6.46	5.49	3.52	2.21	2.95	4.22	6.71	7.70	8.85*	N.R.	N.R.	N.R.	INC.
1960-61	DISCONTINUED												

EVAPORATION AT VAN NORMAN LAKE - LOWER DAM

STATION #293

(30" DIAMETER U.S.W.B. TYPE "A" PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	11.12	12.48	10.81	9.06	6.18*	11.62	8.32	8.07	9.26	11.30	9.70	9.37	117.29**
1931-32	8.28	6.05	5.59	8.11	7.19	8.48	9.37	8.25	9.13	10.12	9.92	8.13	98.62
1932-33	8.64	13.02	6.02	6.37	8.20	8.09	6.58	9.35	8.63	10.52	9.53	6.90	101.85
1933-34	7.67	12.89	7.07	8.61	3.41	8.54	8.00	9.02	5.72	10.51	8.96	8.59	98.99
1934-35	7.27	5.20	5.99	4.75	5.38	4.74	5.26	5.29	7.66	10.08	9.76	7.47	78.85
1935-36	8.54	6.50	5.90	5.90	2.27	5.90	5.92	8.23	9.37	9.78	9.78	8.86	86.95
1936-37	6.65	10.38	6.21	2.34	5.85	6.39	8.25	5.99	8.11	10.76	9.65	8.18	88.76
1937-38	7.20	3.91	5.91	7.09	5.32	3.52	6.16	7.76	6.85	9.97	9.32	8.70	81.71
1938-39	6.01	10.08	6.74	6.26	5.18	4.61	6.97	7.55	9.04	9.77	9.59	10.54	92.34
1939-40	9.82	6.84	6.83	3.18	3.94	6.61	6.94	7.99	7.74	10.48	8.53	7.68	86.58
1940-41	7.99	8.07	5.42	3.49	1.22	4.63	5.12	8.95	6.78	8.18	8.39	7.18	76.42
1941-42	7.68	8.00	6.02	5.81	4.76	7.73	4.69	8.00	7.98	11.15	9.25	8.20	89.27
1942-43	7.31	7.67	5.64	6.25	6.21	3.06	5.43	8.66	8.66	9.61	9.58	9.06	87.14
1943-44	6.73	8.39	4.41	6.02	4.37	8.59	6.81	6.22	6.48	8.58	10.45	8.27	85.32
1944-45	5.93	4.29	7.06	6.22	4.96	4.77	7.10	7.92	5.96	9.84	9.65	9.13	82.83
1945-46	6.98	7.18	5.27	7.25	4.87	5.86	6.03	4.81	8.81	9.74	9.83	8.69	85.32
1946-47	7.93	5.48	5.02	6.83	4.27	5.12	6.92	6.76	6.97	12.45	9.81	8.64	86.20
1947-48	5.99	6.80	5.94	7.39	4.97	5.41	6.41	8.58	7.01	10.26	9.51	9.50	86.77
1948-49	5.82	9.95	3.95	3.69	3.41	4.08	7.52	7.76	9.09	10.23	8.34	9.00	82.84
1949-50	7.64	8.03	5.60	3.59	3.54	5.55	6.61	7.18	7.82	9.92	9.93	6.35	81.76
1950-51	6.47	6.82	6.32	4.45	3.51	7.26	4.27	8.04	7.51	10.25	9.59	8.07	82.56
1951-52	8.86	5.21	4.45	3.71	5.21	5.04	6.05	7.64	7.25	10.50	9.64	9.77	83.35
1952-53	5.67	4.99	4.68	6.69	8.45	6.21	5.21	9.40	8.00	11.44	9.81	8.69	89.44
1953-54	8.73	6.98	10.11	4.53	8.73	4.60	5.54	6.79	7.73	12.00	8.74	9.62	94.10
1954-55	8.34	8.27	7.06	4.65	6.86	6.85	8.70	6.66	7.58	9.59	11.12	10.41	96.09
1955-56	7.40	7.37	3.22	DISCONTINUED									INC.

EVAPORATION AT VAN NORMAN LAKE - LOWER DAM

STATION #293

(24" DIAMETER SCREENED PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	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

EVAPORATION AT PASADENA

STATION #303A

(24" DIAMETER UNSCREENED PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.R.	INC.	6.24	INC.
1931-32	INC.	3.10	1.73	1.73	2.31	3.69	5.37	5.24	INC.	8.14	8.35	INC.	INC.
1932-33	4.60	3.78	1.96	1.50	1.99	2.94	3.41	4.56	5.60	7.32	7.99	5.73	51.38
1933-34	4.46	3.81	INC.	INC.	1.74	2.39	4.49	7.00	5.12	7.93 A	INC.	N.R.	INC.
1934-35	DISCONTINUED												

NOTE: "A" SEE LEGEND

TABLE XII (Continued)

EVAPORATION AT ARROYO SEQUIT

STATION #305

(24" DIAMETER UNSCREENED PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	9.26	8.70	INC.
1931-32	7.40	INC.	2.76	3.85	3.60	5.16	6.20	6.27	7.00	7.31	7.40	5.72	INC.
1932-33	6.45	7.51	2.76	5.15	4.98	4.36	3.98	6.04	5.64	7.50	7.78	5.48	67.63
1933-34	5.54	7.34 A	INC.	INC.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1934-35	DISCONTINUED												

NOTE: "A" SEE LEGEND

EVAPORATION AT PINE CANYON

STATION #321

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	6.40	3.84	1.42	1.78	2.64**	6.70	8.70	9.35	11.52	16.30	15.53	12.42	96.60
1932-33	8.67	6.51	2.96	1.72	3.48	5.67	6.35	7.76	9.82	12.79	12.25	10.32	88.30
1933-34	8.32	6.20	3.10	3.96	3.13	6.43	8.46	10.61	8.70	13.08	12.18	10.06	94.23
1934-35	6.51	3.63	3.19	2.80	3.39	3.71	4.85	7.20	14.08	12.45	10.52	9.84	82.16
1935-36	7.50	3.94	2.62	2.64	2.22	5.14	6.28	8.88	10.48	11.55	11.66	9.40	82.31
1936-37	6.44 A	4.72	2.54	1.36#	1.68	3.10	5.60	6.72	8.48	12.05	10.78	8.08	71.55#
1937-38	5.66	2.92	3.11	2.48	1.62	2.62	4.92	6.00	8.12	9.72	9.06	7.22	63.45
1938-39	4.53	3.78	2.56	1.71	2.52	3.56	5.04	6.71	9.36	10.28	9.72	6.45	66.22
1939-40	5.00	2.68	1.62	1.34	2.04	4.05	5.24	8.33	9.42	10.14	10.22	7.70	67.78
1940-41	4.70	2.40	2.10	1.19	1.22	2.91	2.92	6.68	7.74	10.06	9.54	7.55	59.01
1941-42	4.09	2.46	1.18	2.66#	2.65	5.00	5.06	8.30	11.77	14.08	11.98	9.05	78.26
1942-43	7.24	4.62	3.18	2.76	3.04	3.84	5.52	10.45	10.15	12.20	12.00	10.10	85.10
1943-44	6.88	4.88	4.57	3.00	3.79	5.47	6.28	7.88	8.15	12.32	12.82	10.92	86.96
1944-45	7.40	3.88	3.06	3.24	3.52	2.70	7.37	9.32	9.74	12.06	11.47	9.20	82.96
1945-46	6.01	3.96	3.03	3.80	3.52	4.70	6.28	7.32	11.82	12.31	12.22	9.86	84.83
1946-47	5.40	3.20	1.96	2.60	2.50	3.89	5.46	7.81	8.38	11.08	9.80	7.86	69.94
1947-48	5.70	3.91	2.78	3.42	2.98	3.65	4.26	7.50	8.50	10.71	10.20	8.94	72.53
1948-49	5.40	4.42	2.02	1.56	1.68	2.87	6.01	6.87	9.17	11.10	9.91	8.10	69.11
1949-50	6.44	4.10	2.44	1.60	2.36	4.48	5.20	7.22	8.77	10.42	10.76	7.39	71.18
1950-51	5.69	3.85	3.02	2.23	2.32	4.78	5.60	8.16	9.40	12.02**	11.42	9.60	78.09**
1951-52	7.42	3.99	2.04	2.46	3.25	3.17	5.04	9.33	9.06	11.54	11.28	9.08	77.66
1952-53	7.50	5.18	3.43**	3.42	5.45	5.17	5.72	5.87	8.80	11.80	10.36	8.44	81.14**
1953-54	6.22	4.91	3.82	2.60	3.68	2.99**	5.10	8.65	9.72	11.27	10.34	9.74	78.04**
1954-55	7.40	4.01	2.78	1.83	2.89	5.03	5.78	6.08	8.12	10.82	11.55	9.00	75.29
1955-56	6.65	4.23	2.49	1.85	2.92	5.57	4.19*	5.60	9.72	10.73	10.50	9.93	74.38**
1956-57	5.20	6.18	4.65	1.93	2.55	4.87	5.50	5.99	10.83	12.55	11.08	8.80	80.13
1957-58	4.82	3.70	3.10	3.45	1.95	2.36	4.92**	8.16	10.30	11.58	11.72	9.45	75.51**
1958-59	6.97	4.74	4.88	3.45	2.38	6.15	6.95	8.65	11.92	13.58	12.75	7.68	90.10
1959-60	6.88	5.80	3.48**	1.78	3.01**	5.38**	7.08**	8.71**	12.70	13.38	12.50	9.92	90.54**
1960-61	6.95	3.08	3.02	2.98	3.50	4.30	6.85	7.35	10.82	12.85	9.92	7.88	79.50
1961-62	6.35	3.70	2.40**	2.92#	2.20*	3.05**	6.92	6.75	9.00	11.40	11.75	10.18	76.62**
1962-63	5.84	4.18	3.72	2.82#	3.12**	4.60**	3.85	6.52	8.04	10.68	10.65	6.90	70.92**

NOTE: "A" OCTOBER 1936, SEE LEGEND

EVAPORATION AT COGSWELL DAM

STATION #334B

(24" DIAMETER PAN, UNSCREENED TO 9/30/46

SCREENED SUBSEQUENT TO 9/30/46

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1935-36	7.18	4.13	3.05	2.92	1.42	4.32	4.60	6.16	9.82	11.70	11.51	10.00	76.81
1936-37	5.79	4.68	1.88	1.07	1.81	2.68	6.06	6.28	6.39	11.40	10.64	10.40	71.08
1937-38	7.92	4.95	3.64	3.17	4.92	3.08	5.46	6.88	8.98	11.86	11.74	10.66	83.26
1938-39	6.76	5.94	3.78	3.04	3.24	3.94	6.40	8.06	10.74	13.10	12.80	8.85	86.65
1939-40	7.07	4.88	3.05	1.92	2.48	4.58	4.92	7.98	10.28	12.07	12.05	9.36	80.65
1940-41	7.39	4.16	2.23	1.59	1.42	3.20	3.91	6.96	8.01	11.56	9.96	8.86	69.25
1941-42	5.11	2.78	1.56	2.15	2.88	3.98	3.56	7.08	8.98	12.42	10.88	9.22	70.60
1942-43	6.36	3.56	2.50	2.65	2.08	2.63	4.22	7.50	7.88	10.75	10.62	9.32	70.07
1943-44	6.16	4.04	1.54	1.57**	1.46	4.08	4.45	6.24	6.44	9.95	10.40	7.90	64.23**
1944-45	5.78	2.23	1.93	1.86	2.08	2.27	5.27	6.62	7.02	10.66	9.65	7.88	63.25
1945-46	4.74	2.90	1.66	3.02	2.10	2.86	4.63	5.34	8.68	9.41	10.10	7.81	63.25
1946-47	3.50	1.48	1.22	2.20	1.60	2.48	3.88	5.62	6.29	9.22	8.13	6.89	52.51
1947-48	4.67	3.20	2.06	2.99	3.52	2.66	3.56	5.36	6.23	10.10	10.00	9.10	62.45
1948-49	5.42	4.62	1.58	1.04#	1.36	2.82	4.90	5.50	8.13	10.13	9.94	10.02	65.46#
1949-50	6.08	4.60	2.31	1.31	2.30	3.74	4.46	5.96	8.10	9.90	10.65	7.32	66.73
1950-51	6.29	3.79	2.86	1.91	2.26	4.12	3.94	6.16	7.95	10.78	11.03	9.46	70.55
1951-52	6.09	2.88	1.45	1.95	2.46	2.34	3.77	7.10	7.64	10.13	10.30	8.26	64.37
1952-53	7.04	2.72**	1.76	2.30**	3.76	3.84	4.44	6.38	7.02	10.78	10.68	8.61	69.33**
1953-54	6.23	3.22	3.29	1.60**	3.20**	2.92	5.00	6.36	7.60	9.63	9.32	8.35	66.72**
1954-55	6.22	3.76	2.24	1.22	2.04	4.00	5.82	5.00	6.50	8.76	9.83	10.14	65.53
1955-56	7.25	3.50	1.58	1.66	2.29	4.18	3.67	5.54	7.74	9.25	9.48	9.56	65.70
1956-57	5.90	6.36	3.91	1.44	1.70	3.20	4.60	4.39	7.82	10.78	10.63	8.28	69.01
1957-58	3.90	2.74	2.32	2.94	1.94	2.33	4.21	7.23	8.72	10.46	9.30	9.14	65.23
1958-59	6.82	4.24	3.68	2.66	2.19**	5.12	5.60	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**	3.88**	4.49	5.72	8.31	10.79	9.65	7.24	67.12**

NOTE: EVAPORATION IS QUESTIONABLE FROM 1940 TO 1947 DUE TO PAN BEING SHADED BY TREES.

EVAPORATION AT COGSWELL DAM

STATION #334B

(30" SQUARE FLOATING PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1936-37	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	4.37	6.69	8.60	8.28	N.R.	INC.
1937-38	N.R.	N.R.	N.R.	N.R.	N.R.	INC.	4.30	5.16	6.02	8.07	INC.	N.R.	INC.
1938-39	N.R.	N.R.	N.R.	N.R.	INC.	2.20	INC.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1939-40	N.R.	N.R.	N.R.	INC.	1.97	3.90	4.24	7.36	8.50	10.38	INC.	N.R.	INC.
1940-41	N.R.	N.R.	1.78**	1.51	1.20	2.90	3.28	5.88	6.40	8.84	8.10	7.84	INC.
1941-42	3.91	INC.	1.11	1.50	2.07	3.40	3.32	6.14	7.62	10.41	0.42	INC.	INC.
1942-43	N.R.	N.R.	INC.	1.60	2.07	2.58	3.94	6.42	7.16	9.09	9.26	INC.	INC.
1943-44	N.R.	N.R.	INC.	1.73	1.60	3.97	4.80	6.06	5.91	8.47	8.94	6.47	INC.
1944-45	INC.	INC.	1.98	1.90	1.99	2.23	5.04	6.28	6.22	9.00	8.96	7.19	INC.
1945-46	4.48	3.28	1.70	3.08	1.98	INC.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1946-47	N.R.	INC.	1.40	INC.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1947-48	NOT IN OPERATION							INC.	INC.	INC.	INC.	INC.	INC.
1948-49	N.R.	N.R.	N.R.	INC.	1.07	2.72	4.42	5.42	7.36	8.84	8.46	INC.	INC.
1949-50	N.R.	N.R.	INC.	1.14	2.24	3.60	4.66	5.62	7.68	8.21	9.45	INC.	INC.
1950-51	N.R.	N.R.	N.R.	N.R.	N.R.	INC.	3.92	6.50	8.11	9.28	9.72	7.95	INC.
1951-52	INC.	N.R.	N.R.	1.71	2.60	2.27	4.31	7.45	7.42	9.63	10.24	8.51	INC.
1952-53	7.79	3.52**	2.06**	2.03**	3.44**	4.09**	4.72**	6.68	N.R.	N.R.	N R.	N.R.	INC.
1953-54	6.98*	4.02*	3.59*	1.82*	3.02*	3.16	4.77	6.18	7.22	9.04	9.53	8.32	67.65**
1954-55	N.R.	N.R.	N.R.	INC.	2 22	3.80	5.48	5.17	6.40	7.88	8.74	8.80	INC.
1955-56	6.44	2.92	1.30	1.47	2.49	4.38	3.72	5.74	7.59	9.30	9.71	8.77	63.83
1956-57	5.47	N.R.	N.R.	N.R.	1.46*	3.74	5.19	5.02	7.92	11.47	DISCONTINUED		INC.

TABLE XII (Continued)

EVAPORATION AT COGSWELL DAM

STATION #3348

(36" SQUARE FLOATING PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1956-57	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	10.76	8.50	INC.
1957-58	4.52	2.98	2.60	3.20	1.98	2.47**	4.69	8.10	9.29	10.88	9.68	10.06	70.43**
1958-59	7.35	4.20	3.28*	2.41	2.48**	5.76	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1959-60	8.66	5.32*	2.95	1.79	2.88	4.78	7.04	7.75	10.45	11.61	11.72	INC.	INC.
1960-61	N.I.	INC.	2.84	3.19	3.60	4.62	6.74	9.17	10.77	12.00	11.82	8.91	INC.
1961-62	7.25	N.R.	2.28	2.80	1.46**	3.11	6.32	6.76	9.20	11.12	11.91	9.40	INC.
1962-63	6.45	4.54	3.60	2.62**	3.02**	4.72**	5.35	6.21	6.54	10.98	10.22	7.69	71.94**

EVAPORATION AT SILVER LAKE RESERVOIR

STATION #336

(30" SQUARE FLOATING PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	N.I.	N.I.	N.I.	2.09	4.80	4.74	6.28	5.68	7.01	8.22	7.32	6.10	INC.
1931-32	4.89	3.89	1.69	3.43	1.83	4.30	5.63	5.55	6.27	7.19	7.52	5.59	57.78
1932-33	5.03	3.79	2.33	1.80	2.65	3.72	4.69	5.49	6.77	7.42	7.38	5.15	56.22
1933-34	4.51	3.89	2.31	2.74	1.73	3.72	5.12	7.04	5.47	6.95	7.02	6.06	56.56
1934-35	4.32	2.66	1.48	1.42	2.39	2.82	2.83	5.14	6.19	7.22	7.27	6.00	49.74
1935-36	5.34	3.13	2.09	2.02	1.20	3.37	4.23	6.36	6.72	7.36	6.84	5.92	54.58
1936-37	4.77	3.47	1.60	N.R.	N.R.	N.R.	N.R.	N.R.	INC.	INC.	INC.	INC.	INC.
1937-38	INC.	INC.	INC.	2.43	1.50	4.00	4.60	5.83	6.15	7.22	7.93	6.06	INC.
1938-39	5.00	4.39	2.52	3.72	2.53	3.36	4.59	6.30	6.79	7.98	7.06	6.36	60.60
1939-40	6.24	3.59	2.63	1.35	1.95	4.01	5.05	6.38	6.52	7.58	7.29	6.16	58.76
1940-41	5.95	4.45	2.00	1.88	1.93	1.11	3.90	7.00	6.04	7.46	6.66	5.96	54.34
1941-42	4.78	3.43	2.25	2.06	2.91	4.21	4.55	6.06	5.56	7.74	6.83	5.93	56.31
1942-43	5.09	3.75	3.26	2.64	2.07	2.27	4.64	6.62	6.74	7.73	7.36	6.74	58.91
1943-44	5.19	3.88	1.75	2.33	2.70	3.93	5.29	5.22	5.92	6.80	7.40	5.68	56.09
1944-45	4.34	2.80	2.81	2.04	1.90	3.00	5.43	5.89	4.83	5.44	5.71	4.84	49.03
1945-46	3.87	4.07	2.85	4.31	2.89	3.80	3.90	4.36	5.74	6.22	6.21	4.74	52.96
1946-47	4.51	2.44	2.35*	3.32	2.48	3.41	5.04	5.04	6.17	7.31	7.10	4.88	54.05
1947-48	4.27	4.42	3.14	3.12	3.40	3.65	4.41	5.88	5.42	6.84	6.37	5.32	56.24
1948-49	3.91	4.28	2.46	3.16	2.50	3.61	4.29	4.59	5.80	6.02	5.52	4.58	50.72
1949-50	4.96	3.36	3.60	1.73	2.55	3.23	4.76	5.16	5.53	6.09	5.71	4.47	51.15
1950-51	DISCONTINUED												

EVAPORATION AT SILVER LAKE RESERVOIR

STATION #336

(48" DIAMETER U.S.W.B. TYPE "A" PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1951-52	N.I.	N.I.	N.I.	2.30	2.78	2.14	3.13	5.87	5.54	8.36	8.44	7.24	INC.
1952-53	4.17	2.41	1.67	2.46	5.13	5.01	4.68	8.42	6.81	9.21	8.00	6.52	64.49
1953-54	5.84	3.91	3.57	2.09	N.I.	N.I.	INC.	6.45	7.02	9.99	7.78	7.05	INC.
1954-55	4.78	3.79	2.61	2.37	3.85	5.21	7.53	6.04	5.81	8.32	9.22	7.65	68.18
1955-56	4.49	3.52	1.65	2.09	2.96	5.41	4.63	6.33	7.81	9.19	7.84	7.92	63.84
1956-57	4.74	5.05	3.88	1.71	2.67	5.48	5.44	6.77	8.63	9.81	9.12	6.82	70.12
1957-58	4.29	3.30	2.71	3.16	4.26	3.21	7.05	7.39	8.59	8.73	8.04	7.44	68.17
1958-59	5.79	4.36	3.09	2.95	3.17	5.67*	4.40*	7.17	7.81	9.90	8.62	6.32	69.25*
1959-60	5.18	4.44	3.23	2.66	3.47	5.01	7.81	8.82	7.88	10.08	8.46	7.92	74.96
1960-61	5.08	2.52	2.70	2.62	3.49	4.48	5.19	6.30	6.29	7.77	7.50	5.82	59.76
1961-62	4.98	3.40	1.81	3.23	2.06	3.21	5.82	6.02	5.52	7.42	7.43	5.94	56.84
1962-63	4.14	3.35	2.69	3.01	3.28	5.43	5.60	5.81	6.11	9.00	8.30	6.65	63.37

EVAPORATION AT SILVER LAKE RESERVOIR

STATION #336

(24" DIAMETER UNSCREENED PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1953-54	N.I.	N.I.	N.I.	N.I.	INC.	4.34	3.65	5.45	5.94	8.28	7.20	6.30	INC.
1954-55	4.43	3.43	2.51	1.95	3.24	4.14	6.96	5.13	5.00	7.06	7.52	6.82	58.19
1955-56	4.08	3.19	1.46	1.63	2.22	4.02	3.53	5.04	6.16	7.66	6.98	6.73	52.70
1956-57	4.58	4.39	3.30	1.72	1.65	4.21	4.34	5.35	6.88	8.23	7.95	6.03	58.63
1957-58	3.80	3.00	2.16	2.41	3.72	2.77	5.05	6.08	6.94	7.80	7.02	6.51	57.26
1958-59	5.10	3.82	2.58	2.27	2.60	4.06	3.60	6.12	6.39	8.14	7.56	5.81	58.01
1959-60	4.68	3.98	2.91	2.18	2.89	3.66	6.00	6.66	6.43	8.17	7.48	6.58	61.62
1960-61	5.81	2.92	3.44	3.41	4.53	5.55	6.45	7.46	7.76	9.17	8.56	6.30	71.36
1961-62	5.54	3.86	2.20	4.17	2.67	4.30	6.57	7.03	6.56	8.72	8.61	6.39	66.62
1962-63	3.94	3.20	2.40	2.60	2.39	4.43	4.36	4.60	4.94	7.42	7.03	5.67	52.98

TABLE XII (Continued)

EVAPORATION AT BALDWIN PARK

STATION #347

(24" DIAMETER UNSCREENED PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1933-34	4.62	3.91	1.73	1.83	1.81	4.13	6.05	8.52	6.51	9.32	8.30	7.27	64.00
1934-35	4.26	2.66	2.23	1.70	2.64	2.90	4.07	5.70	7.12	9.13	8.57	6.41	57.39
1935-36	5.28	2.99	2.19	2.05	1.89	3.12	4.05	7.29	8.11	8.48	7.80	6.31	59.56
1936-37	4.50	3.41	1.90	1.29	1.98	3.34	5.00	5.11	7.17	8.96	8.48	7.36	58.50
1937-38	4.84	2.94	2.44	2.28	2.02	3.07	4.31	6.11	6.85	8.56	8.24	7.03	58.69
1938-39	5.14	3.91	2.49	1.91	2.74	2.93	4.68	6.34	8.25	9.04	8.30	6.95**	62.68**
1939-40	4.65	2.97	2.37	1.23**	2.34	3.43	4.54**	6.54	6.99	9.13	8.21	6.96	59.36**
1940-41	5.09	2.92	1.93	1.47	1.56	2.96	3.69	6.85	6.42	8.22	7.00	6.46	54.57
1941-42	4.71	3.07	1.78	1.73	2.03	3.80	3.29	5.77	6.17	9.11	8.19	6.25	55.90
1942-43	5.02	2.88	3.90	1.81	1.97	2.17	3.79	6.35	7.52	8.83	8.39	7.20	59.83
1943-44	5.17	3.71	2.04	1.59	2.22	3.40	5.09	5.94	6.18	7.93	8.69	6.03	57.99
1944-45	3.67	2.18	1.87	1.32	1.93	2.63	4.53	5.98	5.12	7.73	6.14	6.36	49.46
1945-46	4.15	3.09	2.03	2.47	2.04	3.47	4.15	4.59	7.95	8.60	8.99	7.55	59.08
1946-47	4.61	2.36	1.61	1.95	2.21	3.62	5.26	6.16	6.32	9.57	8.41	6.21	58.29
1947-48	3.90	3.35	2.31	2.10	2.55	3.50	5.04	6.57	6.45	8.40	7.96	6.39	58.52
1948-49	3.36	3.09	1.94	2.01	1.45	3.08	4.14	4.94	6.69	8.10	8.57	6.50	53.87
1949-50	4.62	3.28	2.00	1.46	1.84	3.73	4.22	5.27	7.06	7.64	7.99	5.45	54.56
1950-51	4.90	2.76	2.16	2.32	2.39	3.82	3.62	6.35	6.36	7.06	8.02	5.99	55.75
1951-52	4.83	2.70	1.32	.78	2.63	2.24	2.83	5.72	6.83	8.59	8.23	6.60	53.30
1952-53	4.17	2.19**	1.23**	1.38**	2.87**	3.02**	4.15**	6.94	5.89	8.69	7.44	5.89	53.86**
1953-54	4.69	2.10	2.23	1.30	2.50**	3.02**	3.76	5.39	5.98	7.74	6.72	6.64	52.07**
1954-55	4.64	2.61	1.88	1.42	2.88	4.62	6.03	4.99	6.63	7.50	8.90	6.80	58.90
1955-56	3.95	2.66	1.31	1.22	2.20	4.26	3.50	4.47	6.86	7.66	8.29	6.17	52.55
1956-57	3.22	2.20	1.70	1.06	1.66	1.73	3.32	4.22	5.32	8.97	8.54	6.22	48.16
1957-58	2.27	1.84	1.59*	1.24**	2.37	1.80*	3.44*	5.52	7.89	9.97	7.60	6.76	52.29**
1958-59	4.71	2.97	2.06	2.23	1.93*	4.18	4.42	6.15	7.43	9.18	8.69	5.70	59.65**
1959-60	4.42	3.38	2.33	1.63	2.36**	3.39	5.02	6.47	7.60	8.78	7.98	7.30	60.66**
1960-61	4.66	1.87	1.84	1.82	2.38	3.42	5.54	6.74	7.52	9.08	8.44	6.08	59.39
1961-62	4.95	1.82	1.16	1.32	1.08**	2.70	5.52	6.16	5.92	8.72	9.34	6.52	55.21**
1962-63	3.98	2.68	1.82	1.93	1.92**	3.88	4.07	5.60	5.78	9.10	9.38	5.85	55.99**

EVAPORATION AT BALDWIN PARK

STATION #347

(24" DIAMETER PAN, UNSCREENED TO 9/30/46,

SCREENED SUBSEQUENT TO 9/30/46)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1932-33	5.63	4.80	2.44	2.21	3.14	4.88	5.82	7.75	9.08	10.10	9.41	6.59	71.85
1933-34	4.99	4.05	1.74	1.72	1.62	4.33	6.36	9.06	6.80	9.78	8.92	7.98	67.35
1934-35	4.25	2.65	2.19	1.77	2.71	3.09	4.39	6.38	8.52	10.19	9.64	7.34	63.12
1935-36	6.12	3.42	2.45	2.32	2.08	3.68	4.70	8.49	9.76	10.29	9.56	7.56	70.43
1936-37	5.11	4.04	1.96	1.41	2.06	3.84	5.82	6.04	8.32	10.17	10.21	8.21 A	67.19
1937-38	5.09	2.98	2.33	2.50	1.95	3.38	4.70	6.74	7.32	8.98	8.86	7.42	62.25
1938-39	5.20	4.06	2.42	1.88	3.12	2.94**	4.61	6.50	8.57	9.06	8.46	7.14	63.96**
1939-40	4.66	2.92	2.30	1.12**	2.26**	3.46	4.52	6.59	7.04	9.21	8.37	7.01	59.46**
1940-41	5.05	2.83	2.02	1.41	1.47	2.96	3.52	7.04	6.66	8.50	7.30	6.40	55.16
1941-42	4.52	2.84	1.35	1.40	2.01	3.78	3.36	5.74	6.14	9.14	8.27	6.12	54.67
1942-43	4.82	2.90	2.06	1.76	2.00	2.38	3.87	6.56	7.44	8.93	8.38	7.08	58.18
1943-44	4.93	3.58	2.03	1.58	1.82	3.48	5.00	5.89	6.38	7.86	8.58	5.90	57.03
1944-45	3.54	2.14	1.76	1.73	1.69	2.55	4.61	5.57	5.06	7.75	6.45	6.43	49.28
1945-46	4.20	3.04	2.04	2.45	2.02	3.31	4.18	4.62	7.94	8.64	8.36	7.68	58.48
1946-47	3.64	1.73	1.19	1.37	1.43	2.50	4.09	4.36	5.08	8.06	7.11	5.24	45.80
1947-48	3.21	2.64	1.66	1.64	2.11	3.06	4.46	5.88	5.83	7.70	7.32	5.86	51.37
1948-49	3.37	2.88	1.39	1.42#	1.21	2.64	3.90	4.94	6.83	7.82	7.97	6.30	50.67#
1949+50	4.27	2.33	1.43	.94	1.28	2.99	3.88	4.68	6.16	7.21	6.32	5.14	46.63
1950-51	4.43	3.00	1.83	1.64	2.14	3.31	2.93	5.20	5.36	6.09	6.75	5.01	47.69
1951-52	4.22	2.26	1.00	.66	2.14	1.88	2.10	5.16	5.66	7.13	7.11	5.80	45.14
1952-53	3.78	1.83**	1.06**	1.05**	2.43**	2.63**	3.40	6.00	5.27	7.24	6.84	5.38	46.91**
1953-54	4.51	2.23	2.70	1.13**	2.16**	2.51**	3.12	4.66	5.20	7.14	6.87	5.42	47.65**
1954-55	3.91	2.22	1.40	1.17	2.36	3.38	5.36	4.02	5.67	6.97	7.94	6.26	50.66
1955-56	3.42	2.16	1.08	.99	1.86	3.55	3.15	3.57	5.93	6.78	5.15	6.09	43.73
1956-57	3.16	4.33	1.62	1.13	1.36	2.17	3.13	3.68	4.35	7.76	7.56	5.65	45.92
1957-58	2.74	1.58	1.34*	.97**	2.56**	1.60*	2.30*	3.32*	5.28	7.75	6.84	5.85	42.13**
1958-59	4.30	2.40	1.88	1.70	1.43	3.49	3.59	5.18	6.52	8.20	7.70	5.18	51.57**
1959-60	4.05	3.02	2.05	1.34	1.60	2.68	4.25	5.88	6.34	6.74	6.27	6.35	50.57
1960-61	3.94	1.58	1.52	1.65	1.95	2.82	4.68	5.66	6.35	7.88	7.17	4.56	49.76
1961-62	4.19	2.00	1.19	1.58	1.22**	2.32	4.35	5.02	4.82	7.45	7.82	5.62	47.56**
1962-63	3.38	2.26	1.48	1.60	1.66**	3.27	3.39	4.60*	4.11	7.61	7.48	5.06	45.90**

NOTE: "A" SEPTEMBER 1937, SEE LEGEND

EVAPORATION AT BALDWIN PARK

STATION #347

(48" DIAMETER U.S.W.B. TYPE "A" PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1932-33	5.00	4.23	2.07	2.47	2.38	4.79	5.28	6.89	8.15	9.49	8.53	5.64	64.92
1933-34	4.80	4.14	1.86**	2.74	2.36	4.56	5.97	8.39	6.38	9.44	8.32	7.32	66.28**
1934-35	4.43	2.49	2.21	1.94	2.94	3.20	4.45	5.92	7.48	9.40	8.82	6.66	59.94
1935-36	5.64	3.28	2.38	2.45	2.36	3.78	4.94	7.78	8.92	8.98	8.35	6.67	65.53
1936-37	4.78	3.85	2.00	1.46	2.37	4.02	5.77	5.25	7.78	9.07	8.22	7.13	61.70
1937-38	4.70	2.75	2.51	2.64	2.53	3.78	4.87	6.69	6.86	8.79	8.47	7.11	61.70
1938-39	4.67	3.57	2.61	2.01	3.18	3.38	4.98	6.34	8.32	8.94	8.53	7.47**	64.00**
1939-40	4.88	2.90	2.39	1.50**	2.62	3.93	4.89	6.69	6.66	8.85	7.83	6.66	60.00**
1940-41	5.01	2.98	2.34	1.88	2.07	3.63	4.29	7.48	6.51	8.41	6.91	6.12	57.63
1941-42	4.53	3.13	2.06	1.82**	2.73**	4.41	3.71	6.99	6.49	9.31	8.06	5.99	59.23**
1942-43	5.06	3.73	2.21	2.26	2.80	2.65	4.27	6.74	7.46	8.89	8.55	6.98	61.60
1943-44	4.74	3.48	2.08	2.10	2.41	4.09	5.08	6.00	6.09	7.85	8.27	5.69	57.88
1944-45	3.83	2.32	2.25	1.74	2.39	3.36	5.09	6.07	5.21	7.93	5.93	6.02	52.14
1945-46	3.97	3.06	1.96	2.68	2.26	3.41	4.14	4.16	7.30	8.08	7.78	6.74	55.54
1946-47	4.01	2.29	1.71	2.03	2.19	3.70	5.29	5.10	6.12	9.68	8.14	5.63	55.89
1947-48	3.69	3.15	2.25	2.16	2.98	3.67	6.27	5.99	6.27	7.96	7.60	6.07	58.06
1948-49	3.66	3.30	2.15	1.76#	1.94	3.48	4.45	5.29	7.00	7.90	8.12	6.37	55.42#
1949-50	4.49	3.44	2.41	1.78	1.99	4.02	4.97	5.65	7.17	8.34	7.89	5.29	57.44
1950-51	4.93	2.57	2.20	2.16	2.74	4.32	3.94	6.22	6.17	7.01	7.73	6.00	55.99
1951-52	5.05	2.83	1.72	1.12	3.20	2.52	3.61	7.08	6.46**	8.83	8.21	6.78	57.42**
1952-53	4.15	2.51**	1.68**	2.57**	3.65**	4.49**	4.67**	7.45	6.35	9.21	7.59	6.15	60.47**
1953-54	5.55	2.63	3.25	1.69	3.20**	DISCONTINUED							

NOTE: EVAPORATION FOR THE SEASON 1945-46 IS ABOUT 10% LOW
DUE TO PAN BEING PAINTED INSIDE.

TABLE XII (Continued)

EVAPORATION AT BALDWIN PARK

STATION #347

(72" DIAMETER PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1932-33	4.43	4.06	2.22	1.89	3.49	3.61	4.16	6.43	6.89	7.75	6.87	4.95	56.75
1933-34	4.01	3.11	1.36	1.58	1.55	3.57	5.03	7.23	5.43	7.78	7.11	6.04	53.80
1934-35	3.43	2.13	1.71	1.41	2.22	2.48	3.51	4.91	6.22	7.78	7.22	5.46	48.48
1935-36	4.60	2.62	1.84	1.77	1.70	2.93	3.81	6.49	7.26	7.54	7.04	5.60	53.20
1936-37	3.81	2.96	1.59	1.05	1.74	3.09	4.67	4.51	6.29	7.72	7.38	6.68	51.48
1937-38	4.11	2.32	1.96	1.99	1.72	2.99	3.97	5.42	6.04	7.43	7.13	5.96	51.04
1938-39	4.24	3.23	2.19	1.54	2.52	2.65	4.14	5.51	7.19	7.68	7.19	5.86**	54.04**
1939-40	4.11	2.37	1.94	1.09**	2.16	3.06	3.90	5.68	5.96	7.76	6.88	5.80	50.71**
1940-41	4.36	2.53	1.67	1.33	1.48	2.70	3.34	5.99	5.69	7.24	6.05	5.49	47.87
1941-42	3.91	2.58	1.35	1.52	1.77	3.47	3.06	5.89	5.54	7.87	7.23	5.28	49.47
1942-43	4.28	2.44	1.72	1.58	1.82	2.12	3.60	5.68	6.40	7.70	7.21	6.10	50.65
1943-44	4.17	2.93	1.69	1.40	2.60	3.16	4.47	5.30	5.78	6.94	7.53	5.04	51.01
1944-45	3.13	1.88	1.63	1.27	1.76	2.52	4.06	5.18	4.55	6.96	5.43	5.57	43.96
1945-46	3.57	2.64	1.71	2.25	1.91	3.22	3.96	4.03	6.95	7.60	7.43	6.39	51.66
1946-47	3.90	2.08	1.49	1.72	1.77	2.93	4.47	5.16	5.37	8.40	7.31	5.53	50.13
1947-48	3.25	2.75	1.94	1.76	2.21	3.15	4.47	5.47	5.64	6.95	6.76	5.47	49.82
1948-49	3.07	2.75	1.71	1.78#	1.41	3.36	3.63	4.50	6.29	6.95	7.21	5.58	48.24#
1949-50	3.78	2.99	1.83	1.18	1.60	3.06	3.84	4.17	7.34	7.13	6.49	4.25	47.66
1950-51	3.68	2.18	1.76	1.87	2.16	3.67	3.50	3.18	5.70*	5.94	6.76	5.07	45.47**
1951-52	4.16	2.22	1.27	.81	2.47	1.68	2.09	5.50	5.65	7.44	7.02	5.48	45.81
1952-53	3.77	1.90**	1.09**	1.16**	2.49**	3.31**	3.89**	6.57	5.27	7.51	6.54	5.32	48.76**
1953-54	4.66	2.06	2.09	1.04	2.18**	2.36**	3.23	4.73	5.28	6.90	6.02	5.30	45.87**
1954-55	3.70	2.13	1.45	1.04	2.13	3.40	4.97	4.29	5.28	6.36	7.12	5.40	47.27
1955-56	2.99	1.88	.83	.72	1.75	3.24	2.96	3.33	6.36	7.52	7.54	5.69	44.87
1956-57	3.13	2.85	1.61	1.30	1.24	1.79	3.77	4.20	4.35	7.71	6.95	5.25	44.15
1957-58	2.33	1.67	1.32*	1.00	2.28	1.70*	3.24*	5.69	6.15	7.73	6.25	5.00	44.36
1958-59	4.48	2.05	1.49**	1.37	1.11*	3.27	3.75**	4.91	5.43	6.65	6.71	4.31	45.53**
1959-60	3.33	2.21	1.91	1.06	1.40	2.47	4.44	5.56	5.84	6.86	6.77	5.35	47.20
1960-61	3.12**	.96**	1.21*	1.38*	1.85*	2.77*	4.37*	5.46	6.11	7.50	6.86	4.83	46.42**
1961-62	3.79	1.76	1.14	1.20	1.14**	2.26	4.44	5.30	4.92	7.05	7.18	5.29	45.47**
1962-63	3.14	2.04	1.46	1.41	1.56**	3.03	3.49	4.51	4.15	7.19	7.11	4.64	43.73**

EVAPORATION AT PALMDALE

STATION #351D

(24" DIAMETER UNSCREENED PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	7.34	4.60	3.11	2.86	3.20	6.50	8.11	10.67	12.70	16.61	17.14	13.02	104.76
1932-33	8.14	4.69	2.87	1.98	3.56	5.70	7.36	8.96	11.52	17.00	13.89	11.60	97.27
1933-34	8.72	4.95	2.69	2.79	3.68	6.29	9.30	12.70	12.34	16.16	15.64	10.95	106.21
1934-35	6.78	3.54	1.80	1.58#	2.64	3.66	6.76	10.72	15.54	16.36	13.40	11.72	94.70#
1935-36	7.70	4.12	3.12	3.68	2.20	6.70	7.66	11.42	13.33	15.15	14.64	11.58	101.30
1936-37	6.98	4.45	2.56	2.08	2.44	4.06	6.22	9.92	12.08	15.96	14.76	10.96	92.47
1937-38	7.08	4.82	2.71	2.78#	2.38	4.32	6.48	11.12	14.62	15.77	14.18	10.02 A	96.28#
1938-39	DISCONTINUED												

NOTE: "A" SEPTEMBER 1938, SEE LEGEND

STATION #441C

(24" DIAMETER PAN, UNSCREENED TO 9/30/46,

SCREENED SUBSEQUENT TO 9/30/46)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1945-46	5.84	3.52	2.91	3.12	2.88	4.88	5.90	8.92	12.68	14.16	15.06	10.15	90.01
1946-47	6.01	2.62	1.26	2.12	2.42	3.72	5.47	8.70	11.20	11.85	11.96	9.25	76.58
1947-48	6.18	2.91	1.71	2.76	3.11	3.79	6.34	8.15	10.53	13.09	12.26	10.00	80.35
1948-49	6.06	4.92	2.33	.52#	2.11	4.66	7.25	8.64	11.48	12.45	12.40	9.52	82.34#
1949-50	5.50	3.18	2.26	1.88	2.69	4.80	4.77	6.94	8.72	11.20	10.25	7.99	70.18
1950-51	6.56	4.50	3.40	2.48	3.92	6.44	8.06	10.56	11.22	12.20	15.58	14.11	99.03
1951-52	7.21	4.28	3.18	1.66	2.98	3.58	5.76	9.59	10.09	12.82	14.48	9.94	85.57
1952-53	7.00	3.68	2.31	2.98	4.98	6.45	7.02	9.14	11.42	16.55	14.08	11.82	97.33
1953-54	7.35	4.50	3.62	2.39**	2.78	3.86	8.75	11.14	11.64	14.44	13.61	9.65	93.71**
1954-55	7.18	4.51	1.64	2.54	2.86	5.75	8.14	10.12	12.90	14.80	16.78	11.82	99.16
1955-56	7.95	4.25	2.77	3.41	3.71	6.02	7.09	10.72	12.10	14.68	13.77	12.18	98.65
1956-57	6.30	3.55	2.50	1.56	1.09	2.62	5.94	9.29	12.92	17.40	14.68	11.70	89.55
1957-58	6.30	3.05	1.66	3.06	2.64	3.31	5.07	11.74	13.09	15.18	14.26	10.79	90.15
1958-59	6.90**	3.98	3.35	2.22	2.30**	5.10	7.76	10.85	14.35	16.50	14.52	11.08	98.91**
1959-60	8.08	4.86	2.42	1.30	3.66	5.42	9.45**	11.98	8.90	17.48	17.72	13.42	104.69**
1960-61	9.32	3.66	1.56	2.13	4.02	5.95	9.58	11.75	16.45	17.48	14.16	11.05	107.11
1961-62	7.90	4.03	2.16	2.00	2.66	3.70	8.78	10.95	13.88	17.40	16.18	11.98	101.62
1962-63	6.82	4.12	2.45	2.80	3.26	5.38**	5.90	10.40	11.46	13.35	13.60	8.50	88.04**

EVAPORATION AT MORRIS DAM

STATION #390B

(48" DIAMETER PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	6.04	5.18	3.16	2.87	2.88	6.40	6.19	6.98	7.79	10.37	9.13	7.60	74.59
1931-32	5.41	3.61	1.75	1.96	2.74	5.24	6.31	6.49	7.28	9.76	9.22	7.21	66.98
1932-33	6.30	5.66	2.32	2.54	3.80	5.60	5.36	7.36	10.00	11.60	10.69	7.99	79.22
1933-34	7.73	7.02	2.30**	3.54	2.54	5.47	6.10	8.65	8.17	10.37	8.99	7.97	74.85**
1934-35	5.29	2.90	2.16	2.06	3.12	3.10**	3.84	5.10	7.42	9.16	9.07	7.04	60.26**
1935-36	5.74	3.35	2.77	2.93	1.66	4.07	4.86	7.40**	8.36	9.12	8.86	7.20	66.22**
1936-37	4.97	4.40	2.15	.82#	1.67	3.04	5.33	4.74	6.88	9.20**	9.17	8.03	61.42# **
1937-38	5.71	2.78	2.35	2.35	1.82	2.90	4.45	5.72	6.35	8.46	8.33	7.34	58.56
1938-39	4.38	3.94	2.40	1.88	2.35	2.70	4.34	5.64	7.88	8.66	8.63	6.65	59.45
1939-40	4.81	3.23	2.54	1.49	2.03	3.74	4.30**	6.54	6.97	9.80	8.63	6.92	61.00**
1940-41	5.82	3.36	2.29	1.58	1.24	3.23	3.37	6.42	6.26	8.86	7.00	5.93	55.36
1941-42	3.98	3.13	1.54	1.88	2.34	4.14	3.37	6.46	6.72	9.62	8.15	6.40	57.73
1942-43	4.39	2.99	2.21	2.42	2.40	2.38	4.05	6.76	7.06	8.87	8.59	7.67	59.76
1943-44	4.97	3.61	1.64	1.79	1.60	3.91	4.37	5.50	5.27	7.68	8.76	6.34	55.44
1944-45	4.36	2.09	2.10	1.93	2.02	2.58	4.88	5.90	4.84	8.26	8.02	6.61	53.59
1945-46	4.21	3.02	1.85	3.00	2.40	3.32	4.57	4.06	8.16	8.74	8.98	7.39	59.70
1946-47	3.94	2.20	1.69	2.50	2.38	3.14	4.99	5.65	6.47	10.72	8.58	7.57	59.83
1947-48	4.54	3.62	2.41	3.35	2.77	3.23	4.34	5.81	6.55	9.30	8.83	7.87	62.62
1948-49	4.55	4.21	1.93	1.79	1.79	2.95	5.15	5.57	7.81	9.17	9.22	7.67**	61.81**
1949-50	DISCONTINUED												

TABLE XII (Continued)

EVAPORATION AT MORRIS DAM

STATION #390B

(72" DIAMETER PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	5.14	4.15	2.76	2.21	2.39	4.97	4.49	5.46	6.26	8.80	7.68	6.30	60.61
1931-32	4.33*	2.77	1.34	1.54	1.78	3.89	5.03	5.26	6.20	7.64	7.46	5.44	52.68
1932-33	5.02	4.28	1.90	1.92	3.07	4.21	3.77	5.62	7.36	8.53	8.11	6.17	59.96
1933-34	5.69	4.90	1.90**	2.80	2.17	4.45	5.33	7.32	5.72	8.72	8.08	7.04	64.12**
1934-35	4.52	2.76	1.96	1.62	2.60	2.59	3.46	4.50	6.58	8.12	7.94	6.34	52.99
1935-36	5.23	3.05	2.52	2.50	1.44	3.40	3.97	6.68	7.43	8.21	8.14	7.04	59.61
1936-37	4.82	4.27	2.06	1.00#	1.56	2.71	4.75	4.72	6.11	8.30	7.94	7.10	55.34#
1937-38	5.20	2.88	2.39	2.14	1.48	2.65	3.97	5.03	6.01	7.58	7.61	6.84	53.88
1938-39	4.49	3.92	2.12	1.75	2.20	2.46	4.10	5.26	7.32	8.16	8.06	6.22	56.06
1939-40	4.66	3.32	2.58	1.36	1.80	3.26	3.70	6.04	6.58	8.99	7.97	6.58	56.84
1940-41	5.46	3.32	2.08	1.42	1.13	2.63	2.90	5.51	5.71	7.80	6.49	5.66	50.11
1941-42	3.91	2.89	1.44	1.67	2.06	3.58	3.10	5.90	6.35	7.82	7.69	6.07	53.38
1942-43	4.27	2.78	2.04	2.11	1.91	2.04	3.46	6.20	6.34	8.00	7.88	6.83	53.86
1943-44	4.79	3.40	1.54	1.58	1.42	3.28	3.73	5.10	4.98	7.32	7.96	5.86	50.94
1944-45	4.18	2.03	1.93	1.79	1.56	2.17	4.32	5.60	4.54	7.30	7.26	6.05	48.83
1945-46	3.85	2.90	1.67	2.63	2.00	2.88	4.14	3.91	7.24	7.96	8.48	6.71	54.37
1946-47	3.88	2.04	1.56	2.17	1.92	2.64	4.42	5.22	5.99	9.52	7.93	6.94	54.23
1947-48	4.42	3.50	2.24	2.90	2.41	2.83	3.76	5.38	6.16	8.54	8.06	7.22	57.42
1948-49	4.26	3.86	1.86	1.76	1.54	2.66	4.48	5.04	7.27	8.28	8.40	7.74	56.85
1949-50	5.09	3.95	2.40	1.37	1.98	3.32	4.04	4.94	7.01	8.24	8.33	5.72	56.39
1950-51	5.48	3.79	3.11	1.97	2.16	4.06	3.41	5.84	6.50	8.66	8.48	6.85	60.31
1951-52	5.56	3.11	1.73	1.30	2.42	2.36	3.22	6.37	6.24	8.68	8.63	7.02	56.64
1952-53	5.11	2.39	1.58	2.16	3.36	3.64	3.82	6.20	6.26	8.82	8.38	6.92	58.64
1953-54	6.16	3.26	3.61	1.92	3.13	2.78	4.07	4.92**	6.17	8.56	7.62	7.31	59.51**
1954-55	5.51	3.47	2.34	1.76	2.62	3.80	5.08	4.49	6.02	7.94	8.63	8.06	59.72
1955-56	4.84	3.40	1.64	1.80	2.39	4.31	3.53	4.94	7.43	8.22	6.52	6.64	55.66
1956-57	3.66	5.17	3.95	2.32	1.66	3.08	4.03	4.45	6.88	9.29	9.00	6.85	60.34
1957-58	3.35	3.19	3.44	2.48	1.66	2.09	3.79	6.18	7.64	8.35	7.84	7.74	57.75
1958-59	5.96	3.95	3.74	4.33	1.78	4.64	4.88	5.22	7.12	9.06	8.46	5.78	64.92
1959-60	5.35	4.31	2.92	1.70	2.50	3.50	5.46	6.36	7.48	9.38	8.74	8.08	65.78
1960-61	5.21	2.44	2.90	2.84	2.95	3.52	5.39	5.98	7.54	8.86	8.38	6.86	62.87
1961-62	5.68	3.40	1.81	2.53	1.19	2.50	5.40	5.42	6.12	8.27	8.72	6.96	58.00
1962-63	4.62	3.37	2.86	2.11	2.62**	3.62**	4.26	4.90	5.04	8.65	8.40	6.59	57.05**

EVAPORATION AT SAN GABRIEL DAM

STATION #425B

(24" DIAMETER UNSCREENED PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	5.24	3.51	1.31	1.69	2.02	4.14	5.44	6.05	7.16	8.90	9.76	7.69	62.91
1932-33	6.64	4.94	1.96	1.58	2.93	4.46	5.14	5.70	7.64	8.17	8.71	6.77	64.64
1933-34	6.35	4.90	2.14	2.31	2.10	4.81	5.61	5.93	7.59	9.81	8.36	7.06	66.97
1934-35	4.14	2.94	1.85	1.62	1.97	2.62	3.13	4.10	6.78	8.02	7.85	6.66	51.88
1935-36	5.28	3.13	2.42	2.16	1.40	3.64	4.06	6.15	7.35	7.92	8.48	7.62	59.61
1936-37	5.00	3.68	1.82	.95	1.76	3.18	5.19	5.02	6.76	8.12	8.42	7.74	57.64
1937-38	7.27	4.37	3.74 A	3.40	2.27	2.56	5.08	6.76	7.13	9.42	10.03	9.93	71.96
1938-39	7.22	6.81	3.73	3.10	3.62	3.56	5.06	6.14	7.56	8.41	8.91	7.14	70.28
1939-40	6.70	5.21	4.08	1.96	2.34	3.74	3.64	6.09	6.19	9.88	8.91	7.34	66.08
1940-41	8.39	5.34	3.38	2.54	2.06	3.60	4.44	7.53	7.64	10.87	9.03	7.98	72.80
1941-42	6.56	5.34	2.50	2.80	3.42	5.03	3.81	7.24	7.31	10.81	9.80	8.68	73.30
1942-43	6.10	4.60	3.58	3.45	3.34	2.98	4.52	7.74	8.94	10.48	10.56	10.58	76.87
1943-44	7.36	6.47	2.80	2.82	2.36	5.08	5.54	6.74	6.98	9.86	11.74	9.16	76.91
1944-45	7.20	3.64	3.90	3.46	2.70	3.30	5.94	6.90	6.30	9.66	9.80	8.78	71.58
1945-46	5.60	4.68	2.96	4.46	3.05	3.82	5.10	5.14	8.96	10.07	11.26	9.62	74.72
1946-47	6.16	3.22	2.62	3.85	2.98	3.83	5.64	7.18	7.74	13.67	11.20	10.75	78.84
1947-48	7.72	6.10	3.97	5.41	3.94	4.44	5.24	7.66	7.62	11.78	11.34	11.51	86.73
1948-49	7.12**	6.58	3.06	2.42	2.37	3.71	6.13	6.82	9.33	11.81	11.81	11.48	81.84**
1949-50	8.32	7.64	4.53	2.46	3.69	5.42	6.25	6.70	8.91	10.81	11.77	7.98	84.48
1950-51	9.05	6.40	5.17	3.44	3.97	6.04	4.42	7.88	8.56	11.41	11.62	9.99	87.95
1951-52	8.84	5.10	2.68	2.25	3.92	3.42	4.63	8.73	8.68	11.94	11.80	11.43	83.42
1952-53	9.22	4.39**	2.55**	3.48**	5.66	5.50	5.26**	8.54**	8.16	11.40	11.38	9.82	85.36**
1953-54	9.01	5.62	5.97	3.30**	5.15**	3.96	5.42	7.02	8.03	11.24	10.09	11.44	86.25**
1954-55	8.65	5.59	4.28	2.60	4.06	5.18	7.45	5.56	7.58	9.77	11.12	11.40	83.24
1955-56	7.72	5.19	2.53	2.82	3.12	6.53	4.41	6.01	9.28	10.03	10.86	11.62	80.19
1956-57	6.46	7.85	6.27	2.34	2.53	3.58	5.35	5.44	8.72	11.96	12.11	9.32	81.93
1957-58	5.07	4.00	3.60	3.88	2.28**	2.97	5.36	8.10	9.66	11.13	9.92	11.16	77.13**
1958-59	8.88	6.09	6.13	4.18	3.00**	7.28	6.89	6.94	9.49	11.32	10.92	7.59	88.71**
1959-60	7.24	6.31	4.64	2.82	3.18	4.45	7.10	7.67*	8.34	10.61	9.15	9.12	80.63**
1960-61	6.26	3.50	3.96	4.36	3.56	4.08	5.79	5.98	7.30	8.84	8.82	7.73**	70.18**
1961-62	7.06	4.20	2.44	3.20	1.87*	2.64	5.60	5.64	6.45	8.78	10.06	8.48	66.42**
1962-63	5.90	5.16	4.33	3.26	3.18**	4.14	4.58	6.15	5.20	9.31	9.13	8.24	67.59**

NOTE: 1940 SUMMER AND FALL EVAPORATION AMOUNTS QUESTIONABLE.

"A" DECEMBER 1937, SEE LEGEND.

EVAPORATION AT SAN GABRIEL DAM

STATION #425B

(30" SQUARE FLOATING PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1939-40	4.78*	3.72	2.72	1.58	2.00	3.42	4.17	6.93	7.58	9.66	8.45	6.06	61.07**
1940-41	5.32	3.65	2.08	1.92	1.52	2.48	3.42	6.94	7.00	8.70	7.95	5.96	56.94
1941-42	5.24**	4.26	1.88	2.30	2.98	4.57	3.32	6.46	6.56	9.22	8.04	6.09	60.90**
1942-43	4.74	3.50	2.68	INC.	N.R.	N.R.	INC.	6.30	7.18	7.68	8.42	7.50	INC.
1943-44	5.34	4.47	1.89	2.04	1.56	2.81	4.32	4.92	5.85	7.54	8.18**	7.26	57.08**
1944-45	5.42	2.70	2.82	2.72	1.80	1.92	4.18	5.28	4.73	6.96	8.15	7.86	54.54
1945-46	4.50	4.13	2.38	3.66	2.36	3.02	3.88	4.30	7.22	8.30	9.46	8.33	61.54
1946-47	5.89	3.00	2.23	3.00	2.10	2.80	4.56	5.66	6.30	10.56	8.94	7.54	62.58
1947-48	6.80	5.78	3.37	3.76	2.58	3.33	4.11	6.20	6.34	9.88	9.70	9.00**	70.85**
1948-49	5.29	4.77	2.30	1.87	1.65	3.02	4.86	5.64	7.60	9.20	9.94	8.06	65.20
1949-50	6.63	4.71	3.03	1.82	2.62	4.01	4.66	4.88	7.48	9.38	11.13	7.66	68.59
1950-51	7.31	4.87	3.86	2.56	3.10	5.04	INC.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1951-52	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.	6.26	6.72	9.02	9.32	8.02	INC.
1952-53	7.52	INC.	N.R.	INC.	4.00	4.30	4.32**	6.96	6.72	9.57	10.54	5.42	INC.
1953-54	DISCONTINUED												

TABLE XII (Continued)

EVAPORATION AT SAN GABRIEL DAM

STATION #425B

(24" DIAMETER SCREENED PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1946-47	4.96	2.51	2.17	3.18	2.42	3.10	4.86	5.90	6.24	10.95	8.90	8.42	63.61
1947-48	5.92	4.78	3.15	4.26	2.98	3.28	4.24	6.14	6.27	9.74	9.43	9.36	69.55
1948-49	5.56	5.34	2.48	1.96	1.78	3.06	5.08	5.66	7.81	9.06	9.56	8.97	66.32
1949-50	6.22	5.42	3.38	1.74	2.64	3.94	4.66	5.29	7.14	8.85	9.24	6.29	64.81
1950-51	6.78	4.82	3.90	2.50	2.87	4.48	3.34	6.06	6.62	9.07	9.13	7.62	67.19
1951-52	6.51	3.84	1.96	1.64	2.96	2.60	3.54	6.72	6.94	9.62	9.48	8.74	64.53
1952-53	6.87	3.34**	1.96**	2.54**	4.24	4.12**	4.12	6.90**	6.79	9.28	9.04	7.63	66.83**
1953-54	6.78	4.00	4.22	2.20**	3.78**	3.00	4.27	5.30	6.21	8.78	7.82	8.78	65.14**
1954-55	6.44	4.04	2.85	1.78	3.03	3.88	5.74	4.27	5.92	8.00	8.84	8.98	63.77
1955-56	5.67	3.47	1.92	2.04	2.30	5.00	3.67	4.74	7.16	8.10	8.78	9.40	62.25
1956-57	4.85	5.66	4.20	1.75	1.77	2.84	4.30	4.40	6.64	9.38	9.82	7.40	63.01
1957-58	3.73	3.18	2.74	2.84	1.78	2.24	4.16	6.48	7.54	8.97	7.94	8.92	60.52
1958-59	6.78	4.62	4.48	3.12	2.25**	5.44	5.30	5.38	7.38	9.00	9.04	6.74	69.53**
1959-60	6.80	5.82	4.18	2.52	2.90	4.06	6.16	7.03	8.33	10.49	9.30	9.34	76.93
1960-61	6.70	3.76	4.19	4.64	3.86	4.52	6.18	6.26	7.66	9.20	9.08	8.30	74.35
1961-62	7.64	4.76	2.58	3.46	1.96*	3.06	6.20	6.08	6.74	9.12	10.63	8.97	71.20**
1962-63	6.48	4.74	4.62	3.46	3.39**	4.37	4.66	5.32	5.28	9.45	9.39	8.52	69.68**

EVAPORATION AT SAN GABRIEL DAM

STATION #425B

(36" DIAMETER FLOATING PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1947-48	6.94	5.90	3.59	4.00	2.58	3.45	4.27	6.52	6.49	10.15	10.28	9.67**	73.84**
1948-49	5.54	5.04	2.44	2.02	1.84	3.26	5.12	5.88	7.85	9.62	10.45	9.59	68.65
1949-50	7.05	4.96	3.22	2.02	2.88	4.34	5.10	5.64	7.88	9.60	10.77	7.63	71.09
1950-51	7.60	5.00	3.88	2.63	3.16	5.18	INC.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1951-52	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.	6.42	7.26	9.27	9.94	8.56	INC.
1952-53	8.06	INC.	N.R.	INC.	4.34	4.64	4.54	7.54	7.22	10.31	10.56	5.75	INC.
1953-54	N.R.	N.R.	N.R.	N.R.	4.05**	3.52	INC.	INC.	7.13	9.74	9.96	9.59	INC.
1954-55	7.38	4.44	3.28	2.23	3.58	4.82	6.67	5.24	7.28	9.06	10.02	9.94	73.94
1955-56	6.62	4.17	2.18	2.28	3.17	5.04	3.89	5.66	7.51	8.82	9.57	9.84	68.75
1956-57	N.R.	INC.	4.50	2.06	2.17	3.60	4.88	5.49	7.38	10.64	10.98	8.30	INC.
1957-58	4.36	3.44	3.07	3.04	1.79*	2.34	3.79*	6.52*	7.76**	N.R.	INC.	9.22	INC.
1958-59	7.00	4.86	4.17	3.09	2.54*	5.85	5.66**	6.28	8.01	10.06	10.13	7.17	74.82**
1959-60	6.48**	5.16	3.56	2.49	2.94	4.32	6.85	7.41	8.90	10.77	10.58	9.45	78.91**
1960-61	6.66	3.72	3.95	4.01	3.84	4.60	6.50	7.00	9.12	10.64	N.R.	N.R.	INC.
1961-62	N.R.	3.96**	2.74	3.22**	2.15**	3.08*	N.R.	N.R.	INC.	8.94	10.19	8.54	INC.
1962-63	5.92	4.44	3.88	3.23	3.19**	4.76	5.46	5.84	5.89	9.12	10.14	8.45	70.32**

EVAPORATION AT PICKENS DEBRIS BASIN

STATION #468

(24" DIAMETER PAN, UNSCREENED TO 9/30/46)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1941-42	4.83	3.95	1.61	2.20	3.13	3.94	3.53	6.44	6.62	10.74	8.42	7.03	62.44
1942-43	5.59	3.72	2.80	2.86	2.54	2.12	3.86	7.41	8.81	9.38	9.05	9.42	67.56
1943-44	6.15	4.34	2.29	2.30	2.23	4.45	5.73	5.90**	5.94	9.19	8.00	7.15	63.67**
1944-45	4.62	2.74	2.44	2.40	2.40	3.88	5.76	4.94	3.03	5.98	6.98	5.80	50.97
1945-46	3.29	3.55	2.01	3.73	2.08	3.30	3.14	2.35	6.05	6.97	8.50	7.00	51.97
1946-47	3.14	2.14	1.52	2.68	1.88	2.44**	4.08	4.20	4.68	7.22	7.12	5.72	46.82**
1947-48	3.90	3.94	2.17	2.89	2.57	2.33	3.90	4.94	5.02	7.62	6.75	6.50	52.43
1948-49	3.94	3.88	1.56**	1.36**	1.38	1.74	3.69	4.64	6.11	7.08	7.23	6.26	48.87**
1949-50	4.43	3.48	2.19	1.34	1.42	3.18	3.56	4.30	5.59	6.98	8.24	4.55	49.26
1950-51	4.53	3.43	2.57	1.86	2.12	3.64	2.86	4.71	5.02	7.42	7.02	5.54	50.72
1951-52	5.28	3.34*	2.04	1.15	2.34	2.10**	2.42	4.79	4.77	6.12	4.15	6.57	45.87**
1952-53	3.20	2.47	1.58	1.66*	2.23*	3.40**	3.33*	6.11*	6.26**	8.29	7.62	6.14	53.29**
1953-54	5.96	DISCONTINUED											INC.

EVAPORATION AT FAIRMONT

STATION #542

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1951-52	7.96	3.92	1.70	2.19	3.17	4.86	6.74	12.60	12.01	16.16	15.73	11.06	98.10
1952-53	8.81	3.23	1.53	2.69	3.88	5.61	7.74	8.98	12.48	17.84	14.92	11.41	99.12
1953-54	7.59	4.40	3.19	2.34	4.05	4.42	8.32	12.43	13.19	16.25	13.68	11.00	100.86
1954-55	8.61	3.82	2.03	1.16	2.42	5.76	6.99	8.84	12.65	15.68	15.55	12.33	95.84
1955-56	8.29	4.08	1.97	2.73	3.16	6.70	5.95	9.73	14.63	15.87	14.65	13.05	100.81
1956-57	7.14	4.60	3.48	3.22	2.39	5.65	7.24	8.55	14.38	17.42	16.51	11.39	101.97
1957-58	4.76	3.54	2.54	2.91	2.66	3.11	6.88	10.51	12.86	15.29	15.32	11.20	91.58
1958-59	7.73	4.46	3.96	3.55	2.39	7.05	9.57	11.07	15.64	18.24	15.77	10.66	110.09
1959-60	8.31	5.21	3.20	2.78	3.16	6.53	8.50	11.63	17.31	18.25	17.49	13.17	115.54
1960-61	8.61	3.72	3.18	3.15	4.22	6.31	9.32	11.01	16.71	19.04	14.81	11.14	111.22
1961-62	8.21	4.12	2.45	5.18	1.91	4.32	9.44	10.04	14.63	17.53	17.00	12.78	107.61
1962-63	8.08	5.00	3.24#	3.00#	4.10**	5.78**	6.14**	10.65	13.70	19.40	17.19	10.27	106.55**

EVAPORATION AT LOWER FRANKLIN RESERVOIR

STATION #794

(30" SQUARE FLOATING PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1938-39	N.I.	N.I.	N.I.	2.40	2.00	2.18	3.56	4.43	5.04	5.88	6.07	6.19	INC.
1939-40	4.93	3.22	2.62	2.13*	1.50*	2.48	3.17	4.17	4.28	6.26	5.86	5.61	46.23**
1940-41	4.84	4.40	1.59	1.51	3.63	2.07	4.41	4.85	4.68	6.03	5.09	5.22	48.33
1941-42	3.88	3.39	1.41	1.97	1.97	3.35	2.29	4.85	4.42	5.96	5.66	5.01	44.06
1942-43	4.12	3.59	2.24	2.35	2.29	2.08	3.21	4.89	5.08	5.68	6.10	5.86	47.29
1943-44	4.58	4.14	1.24	2.24	2.13	3.59	3.43	3.60	4.22	4.96	5.89	4.65	44.67
1944-45	3.69	3.11	3.01	2.10	1.71	2.45	3.61	4.49	3.71	5.17	6.38	5.98	45.41
1945-46	4.23	4.07	2.43	2.87*	1.81	2.20*	2.52	3.33	4.68	5.52	6.37	4.98	45.01**
1946-47	4.70	2.82	1.86	DISCONTINUED									INC.

TABLE XII (Continued)

EVAPORATION AT LOWER FRANKLIN RESERVOIR

STATION #794

(24" DIAMETER SCREENED PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1953-54	N.I.	N.I.	N.I.	N.I.	N.I.	3.66	3.53	5.45	6.10	8.83	7.78	7.11	INC.
1954-55	5.25	2.85	3.81	2.57	3.08	4.68	7.02	5.27	5.35	7.50	8.56	7.87	63.81
1955-56	4.56	4.91	2.24	1.92	2.94	4.96	4.01	4.76	6.70	8.14	7.78	7.61	60.53
1956-57	5.38	6.52	4.60	3.76	1.95	4.24	4.38	4.98	6.70	8.34	8.94	6.43	66.23
1957-58	5.18	3.76	2.53	3.14	2.25	2.48	4.57	6.61	7.91	8.40	8.52	6.94	62.29
1958-59	6.81	5.00	4.42	3.71	4.88	6.12	6.04	6.96	7.42	9.82	8.90	6.96	77.04
1959-60	6.03	5.73	4.26	3.30	4.15	3.62	7.22	7.32	6.82	8.86	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

EVAPORATION AT EAGLE ROCK RESERVOIR

STATION #802B

(48" DIAMETER U.S.W.B. TYPE "A" PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	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	8.28	71.41
1960-61	5.83	3.56	3.93	4.34	4.31	4.90	5.86	6.12	7.03	8.37	7.99	6.56	68.80
1961-62	5.38	3.43	2.93	5.71	2.62	3.91	6.35	5.56	5.56	7.66	8.79	6.62	69.52
1962-63	4.61	3.84	3.38	3.26	3.65	4.86	5.22	4.72	5.01	8.43	8.01	7.60	62.59

EVAPORATION AT LA FRESA - S.C. EDISON CO. SUBSTATION

STATION #1008

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1946-47	3.66	2.02	1.12	2.58	1.07	2.12	4.24	4.42	4.96	6.44	5.94	4.26	42.83
1947-48	3.12	2.36	1.46	1.32	2.08	2.48	3.80	5.00	5.14	6.39**	5.89	4.66	43.70**
1948-49	3.12	2.83	1.26	1.36	1.50	2.22	3.43	3.92	4.31	4.74	5.03	4.14	37.86
1949-50	3.60	2.52	1.65	1.35	1.07	2.02	3.24	4.12	4.48	5.22	5.11	3.60	37.98
1950-51	3.12	2.12	1.81	1.54	1.95	2.96	2.64	4.69	4.24	5.45	5.32	3.80	39.64
1951-52	3.51	2.16	1.63	1.38	1.97	2.45	2.72	4.56**	4.89**	5.03**	4.96	3.98	39.24**
1952-53	2.90	2.02	1.24	1.51**	2.66	3.00**	3.38*	6.14**	4.61	5.80	4.70	3.52	41.48**
1953-54	3.70	2.54	2.13	1.34	2.36	2.52	2.80	3.78	4.58	5.28	4.80	3.96	99.79
1954-55	3.20	2.18	1.66	1.67	2.18	3.12	4.48	3.93	4.20	5.47	5.19	4.70	41.98
1955-56	2.83	2.02	1.02	1.22	1.94	2.99	2.60	4.07	4.70	5.80	5.21	4.07	38.47
1956-57	3.18	3.16	1.96	1.40	1.16	2.52	3.34	4.63	4.86	5.72	5.59	4.30	41.82
1957-58	2.86	2.10**	1.66	1.67**	1.58**	2.54**	3.92	4.62	5.84	6.18	5.32	5.62	43.91**
1958-59	4.22	3.18	2.10	1.75	2.19	3.60	4.28	5.40	5.85	6.54	5.62	4.12	48.85
1959-60	3.02	2.34	2.11	1.73	1.76**	2.55	4.93	6.00	5.03	7.00	7.32	5.13	48.92**
1960-61	3.65	2.01**	1.90*	1.88**	2.30	2.44	3.57	4.18	4.02	5.78	5.48	4.18	41.39**
1961-62	3.32	1.98**	2.03*	1.72	2.82*	2.48	3.98	4.94	4.58	5.64	6.10	4.96	44.55
1962-63	3.51	2.08	1.76	1.76	1.76	3.29	4.08	4.56	4.92	5.93	5.75	4.78	44.18

EVAPORATION AT RIO HONDO SPREADING GROUNDS

STATION #1014D

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	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	45.62**
1953-54	4.12	3.55	2.79	1.39**	1.86	2.10	2.17	5.68**	5.00	6.33	5.86	5.30	46.15**
1954-55	3.79	3.10	2.22	1.98	2.02**	3.76**	4.84	3.88	4.38	5.58	6.66	5.66	47.78**
1955-56	3.61	3.15	1.59	1.82	1.76	3.30	2.65	4.12	5.05	5.83	5.60	5.38	43.86
1956-57	3.34	4.18	2.96	1.31	1.46	2.50	3.28	3.30	4.45	6.48	6.10	4.35	43.71
1957-58	2.88	1.85	1.80	1.84	1.28**	1.68	3.02	3.80	5.78	5.28	4.89	5.15	39.25**
1958-59	4.03	2.72	2.15	1.60**	1.66	3.35	3.82	4.35	5.20	7.00	6.35	4.58	46.81**
1959-60	3.58	2.98	2.16	1.18	1.98	2.44	4.28**	4.70	4.98	6.73	5.90	5.20	46.11**
1960-61	3.50	1.88	1.76	2.18**	2.30	3.24	4.08	4.90	5.22	6.25	5.83	4.45	45.59**
1961-62	3.88	2.25**	1.26	1.66	.84	2.14	3.82	4.24	3.96	5.78	6.02	4.42	40.27
1962-63	3.10	2.30	1.94	2.28**	1.64*	2.98	3.12	3.58	4.60	6.63	6.10	5.39	43.66**

EVAPORATION AT ARCADIA - ARBORETUM

STATION #1037

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1951-52	4.22*	1.96	1.14	.92	1.62	1.78	1.74	4.69	4.92	5.70	6.04	5.54	40.27**
1952-53	3.52	1.68**	1.14**	1.14**	1.68**	2.15**	3.76**	5.34	4.70	6.78	6.11	5.11	43.11**
1953-54	4.09	2.32	2.43	.95**	1.48**	1.74	1.91	3.16	4.29	6.52	5.78	5.26	39.93**
1954-55	3.74	2.02	1.27	.88	2.58	3.57	5.14	3.83	5.47	6.82	7.46	7.10	49.88
1955-56	4.10	3.09	1.56	1.83	2.31	4.12	3.12	4.55	6.40	7.60	7.19	6.83	52.70
1956-57	4.18	4.38	3.22	1.65	1.48	2.78	3.72	4.32	5.98	8.11	7.66	5.66	53.14
1957-58	3.42	2.46	2.19	2.24	1.54	2.34	3.92	5.16	6.59	7.34	6.86	6.77	50.83
1958-59	4.99	3.08	2.68	1.98	1.58	4.10	4.10	4.80	5.66	7.54	7.58	5.26	53.35
1959-60	4.46	3.54	2.41	1.72	2.18	2.94	5.06	5.59	6.32	8.05	7.50	6.72	56.49
1960-61	4.55	2.00	2.77	2.63	2.74	3.20	4.64	5.18	5.70	7.54	7.87	5.90	54.72
1961-62	4.90	2.70	1.74	1.96	.95	2.44	4.64	4.50	4.63	7.02	7.31	2.39	45.18
1962-63	3.44	2.84	2.39	1.91	1.98**	2.91	3.34	4.02	3.40	7.22	7.08	5.65	46.18# **

TABLE XII (Continued)

EVAPORATION AT DESCANSO GARDENS

STATION #1071B

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1953-54	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	4.46	6.55	5.22	5.12	INC.
1954-55	3.84	2.64	1.95	1.60	2.16	2.39	3.46	3.22	4.34	5.53	6.44	5.60	43.17
1955-56	3.58	2.66	1.48	1.84	2.51	4.59	2.89	4.55	6.59	7.25	6.38	6.74	51.06
1956-57	4.23	5.18	3.96	1.97	1.84	3.04	3.92	4.20	6.02	8.48	8.18	6.92	57.94
1957-58	3.73	3.08	2.56	2.78*	1.37*	2.30**	3.82**	5.05	6.28	7.68	7.44	7.45	53.54**
1958-59	6.00*	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.	8.44	7.33	5.26	INC.
1959-60	5.12	4.64	3.24	1.89	2.51	3.50	5.45	6.22	7.36	9.45	8.41	7.85	65.64
1960-61	5.40	5.00**	3.78	3.91**	3.56	3.78	4.42	5.34	6.10**	7.48*	7.46	6.28	62.51**
1961-62	5.74	3.63	2.03	2.82**	1.38	2.32	4.57	4.11	4.71	7.10	7.42	6.20	52.03**
1962-63	4.10	3.54	3.02	2.64	2.87**	8.83	3.49	3.57	3.54	7.03	7.42	5.93	55.98**

EVAPORATION AT GREEN VERDUGO RESERVOIR

STATION #1087

(48" DIAMETER U.S.W.B. TYPE "A" PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1955-56	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	9.36	9.32	12.07	INC.
1956-57	5.44	10.15	8.27	3.81	3.43	5.87	5.54	5.76	10.23	11.79	10.52	8.86	89.67
1957-58	5.23	6.31	6.18	5.91	4.55	3.59	8.01	6.98	10.01	10.42	9.17	11.96	88.32
1958-59	9.87	6.48	8.54	6.23	4.47	9.21	7.65	6.49	9.58	11.66	10.17	7.00	97.35
1959-60	8.30	9.19	6.42	4.21	4.99	7.02	9.12	10.14	10.23	13.17	10.36	11.17	104.32
1960-61	8.40	5.41	7.52	8.30	6.55	6.84	8.43	7.67	9.68	11.12	10.61	9.64	100.17
1961-62	7.47	5.58	4.07	6.20	3.11	5.09	9.43	7.33	7.89	10.52	12.25	9.73	88.67
1962-63	7.06	5.94	5.87	4.60	6.08	6.58	6.18	5.79	6.43	10.93	10.58	11.42	87.46

EVAPORATION AT TUJUNGA SPREADING GROUNDS

(48" DIAMETER U.S.W.B. TYPE "PAN")

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1932-33	N.I.	N.I.	N.I.	2.00	5.26	6.67	6.39	8.78	9.12	11.11	9.21	7.19	INC.
1933-34	6.44	6.47	3.64	4.88	3.30	6.74	7.51	8.48	6.12	9.56	9.08	7.84	80.06
1934-35	5.60	3.74	4.03	2.70	3.47	3.62	4.58	5.99	7.43	9.84	9.45	7.01	67.46
1935-36	6.38	3.28	3.06	3.39	2.31	5.11	5.50	8.44	9.77	10.38	10.12	8.00	75.74
1936-37	5.62	5.34	3.32	2.49	2.99	4.80	7.03	6.19	8.26	9.89	9.46	7.92	69.31
1937-38	5.95	3.11	3.46	3.75	3.00	5.76	6.89	8.08	7.52	10.33	10.61	9.27	77.73
1938-39	6.36	6.46	3.52	3.20	3.29	3.75	6.67	7.72	9.12	10.24	9.92	9.14	69.39
1939-40	6.97	4.23	4.21	2.54	2.92	5.33	7.76	7.92	8.52	11.59	9.33	7.66	78.98
1940-41	6.03	5.21	4.88	2.41	5.89	3.21	4.96	8.73	7.61	10.43	8.22	3.21	70.79
1941-42	4.21	4.88	4.77	3.00	3.82	5.80	4.46	7.30	7.59	10.81	10.37	6.67	73.68
1942-43	6.10	3.88	3.08	4.09	3.85	3.43	5.30	8.50	9.01	9.70	9.39	8.22	74.55
1943-44	5.38	4.85	2.44	2.62	2.84	6.47	6.01	6.11	6.41	8.14	10.03	6.40	67.70
1944-45	4.44	3.10	3.27	DISCONTINUED									INC.

LEGEND

N.I. NOT INSTALLED
N.R. NO RECORD
INC. RECORD INCOMPLETE
* # RECORD INCOMPLETE - PAN WATER FROZEN
* ESTIMATED > 10% OF TOTAL
** ESTIMATE < 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.

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

SEE SEASONAL EVAPORATION TABLE FOR:
1. 1963-64, 1964-65 AMOUNTS
2. EVAPORATION PAN TYPE NOT SHOWN IN THIS TABLE
3. NOTES REGARDING STATION NUMBERS 802B AND 1087

RUNOFF RECORDS

RUNOFF

FOREWORD

This is the 25th annual or biennial report on runoff published since the inception of the Hydraulic Division in April, 1927 [1/]. These reports cover 38 years of records on various streams and channels throughout the District.

VALUE OF RECORDS

Runoff records furnish the basic data necessary for:

1. Flood data.
2. Design and operation of dams, debris basins, and spreading grounds.
3. Determination of the available water supply and conservation thereof by groundwater replenishment.
4. Determination of the quantity of industrial and natural waste.
5. Distribution of water under water rights.

SUMMARY

Streamflow, during the 1963-64 season was deficient and approached record low amounts especially in the San Gabriel Mountains. Peak flows were mostly minor.

Deficient rainfall marked the first half of the 1964-65 water year, storms being light and of short duration. From March 31, 1965, through April 9, a series of heavy rains soaked the area, causing runoff which provided from 30 to 40 percent of the annual total. Peak flows for the season occurred at this time in most streams. Peaks in the urbanized valleys were near record amounts, but in undeveloped areas they were about average. No widespread damage or flooding was noted.

Most of the water that wastes to the ocean is measured at seven District stations. These measure, in addition to storm flow, the industrial wastes which are not affected by rainfall. The total amounts of ocean waste measured are shown on Table XV, page

[1/] Records prior to 1927 on some streams are available in either the office of the United States Geological Survey, Water Resources Division, or in the office of the State of California, Department of Water Resources. Reference to these records, if available, can be found under "Station Descriptions" herein published.

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

Season	Built Up Valley Area Percent of Average		San Gabriel Mountains Percent of Average	
	Runoff [2]	Precip.	Runoff [3]	Precip.
1963-64	73.	53.	23.	57.
1964-65	115.	95.	36.	76.

[2] Based on period of record of Alhambra Wash and Ballona Creek drainage areas.

[3] Based on period of record of San Gabriel River and Arroyo Seco drainage areas.

BURNED AREAS

For the second time, maps showing the boundaries of areas burned by forest fires are published herein. Since the denuding of hills and brushland frequently has a sudden and spectacular effect on the quantity of runoff, both of water and mud, from a given drainage, it is felt that this information may be of interest to those using these reports. All fires which burned more than 50 acres during the two seasons of this report are shown on Maps V a, b, and c. The total acres burned in each fire are shown on Table XIII.

EXTENT AND METHOD OF COLLECTING AND PRESENTING DATA

I. Distribution of Water-Stage Recording Stations by Watersheds.

The Flood Control District operated 101 water-stage recording stations during the 1963-64 and 1964-65 seasons, of which 89 were published streamflow stations. The remaining 12 are hydraulic study and spreading ground stations only, and the records are not published. The stations were distributed throughout the County as follows:

Drainage Area	No. of Stations
Los Angeles River	26
San Gabriel River	30
Rio Hondo	22
Ballona Creek	2
Santa Monica Mountains - Coastal	3
Santa Clara River	5
San Antonio Creek	7
Antelope Valley	3
Dominguez Channel	3
Total	101

The locations of all stations are shown on Map III.

II. Types of Controls

The types of Controls at which the gaging stations are located are listed below in order of predominance:

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

III. Types of Recorders Used

The level of streams or "gage height" is usually recorded by various types of automatic recorders on printed charts. Some are weekly charts but the majority are of the continuous type. The most common installation involves the use of a stilling well where a float actuates the recorder. Recently, several gaging stations have been built which use gas-pressure servos-manometer, thus eliminating the need for stilling wells. Factors which determine the choice of instrumentation include the gage-height range and time scale required, the importance of the record, and the practicability of frequent access by a District Hydrographer. Recorders in use include: Stevens Type A-35, L and F; Au; Friez; Rational; and H.C.F. The H.C.F. recorder was designed and developed in the Instrument Section of the District's Hydraulic Division.

IV. Records of Recording Streamflow Stations

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

1. Station descriptions which present pertinent data regarding location, drainage areas, channels, controls, regulations, diversions, available records, extremes of discharge, accuracy of records, and operations. These descriptions are continually being updated to reflect the latest available information. For example, the latitude and longitude of each gaging station were checked against the current United States Geological Survey topographical maps. Changes from previous issues are for this reason and do not mean that the station was moved. More accurate elevations of the gages above mean sea level were determined where needed.

2. Daily discharge tabulations which show the mean daily runoff in second-feet; total monthly and yearly runoff in acre-feet.

3. Storm hydrographs which were published in previous issues of this report have been deleted from the current edition to make room for information which is felt to be more useful. Similarly, the lists of streamflow measurements at recording stations which appeared prior to 1959-60 are not included. The compilation of discharge records at recording stations depends to a large extent on measurements of discharge; during the 1963-64 season 2530 measurements were made and in 1964-65 there were 2923. The basic data for both the hydrographs and measurements are available at the District office for the use of anyone who has need for them.

4. Table XIV is a summary of the records published in previous reports. This summary is included in each third edition and replaces the one which, in the other two issues, contains data pertaining to the seasons of those issues only. A study has been recently completed to determine the relationship of stream runoff to the amount of

rainfall in the drainage areas of 47 gaging stations. The results have been added to Table XIV in the form of a percentage figure. For this study, industrial wastes or other artificial sources have been considered and the discharge from those sources deleted.

V. Records Provided by Other Agencies

Included in this report, as additional information, are the records of 18 permanent streamflow recording stations owned and operated by the following agencies.

Owned by	Stations
United States Geological Survey, Water Resources Division	7
United States Corps of Engineers	6
Ventura County	1
San Gabriel River Water Committee	1
Metropolitan Water District	2
San Bernardino County Flood Control District	1

The Flood Control District cooperates with these agencies by taking streamflow measurements to assist in developing station rating data. During the seasons covered by this report, 284 such measurements were taken. The United States Geological Survey, in turn, publishes the records of 22 District stations in their Water Supply Papers for Pacific Slope Basins in California.

VI. Non-Recording Stations

Streamflow measurements are made periodically at places where no recording instruments are maintained. These measurements are usually made for some specific purpose and in general indicate the base flow conditions of a stream rather than storm flows. They are published herein as "Staff Gage Stations," "Rising Water at Whittier Narrows," "Miscellaneous Measurements," and "Percolation Data." There were 1112 discharge measurements taken at 26 staff gage stations including those used in the determination of rising water at Whittier Narrows. Because of the importance of flows originating from groundwater in the Whittier Narrows area, tabulations of mean daily discharge have been made. A graph showing the mean monthly discharge over a period of 43 years is included.

The results of 2409 miscellaneous streamflow measurements made in various parts of the County are published. Those are arranged by drainage areas. Numerous sets of percolation measurements were taken on selected reaches of five streams. They are tabulated and arranged by streams.

VII. Limitations

Occasionally, interrupted recorder records occur at certain stations. When possible, estimates are made by comparison with other flow records and rainfall data, or by interpolation between known or measured values. In the tabulation of mean daily runoff, incomplete totals are avoided by estimating any missing or unreliable records. It is believed that approximating missing current data is more satisfactory than leaving records incomplete. Familiarity with a current season's runoff characteristics facilitates making such estimates, while leaving the record incomplete may make it necessary to provide the value in later years, when the reconstruction of the available data would be much more difficult.

RESPONSIBILITY

The collection of field data was the responsibility of the following District Hydrographers, Grade II:

1	E.K. De Vore
2	R. J. Sarasua
2A	J. P. Roy
3	R.V. Wood
3A	R.L. Brook
4	E.S. Bonadiman and M.L. Sjostedt
4A	A.J. Falcone
5	M.L. Sjostedt and R.A. Petersen
6	D.W. Bowman
7 & 8	J.R. Hyde
9 & 10	H.R. Whisler

The above District Hydrographers were assisted by the following Hydrographers Grade I and Hydrographer Aids:

R.L. Brook
D.S. Carpenter
J.L. Faber
A.J. Falcone
J.S. Luyendyk
B. J. Mc Bride
F. Mead III
R.A. Petersen
J.A. Singer

During storm periods the Hydrographers were assisted by the following men:

B.E. Arellanes 1/
W.W. Balding 1/
R.D. Cochran 1/
D.R. Foster 1/
A.O. Gaetz 1/
M.R. Georgi 1/
H.G. Hammond 1/
R.L. Holleran 1/
B.G. Hubbard 1/
J. Johnson 1/
R. Le Grand 1/
J. A. Lizakowski 3/
W.D. Mathews 3/
V.I. Medina 1/
E.R. Provencio 1/
S.E. Rector 1/
R.H. Roberts 1/
R.L. Schnittker 1/
W.L. Settle 2/
D.C. Taylor 1/
R.J. Thibodeau 1/

1/ Operation and Maintenance Division Personnel
2/ Water Conservation Division Personnel
3/ Hydraulic Division Personnel

The field work and compilation of records was under the immediate supervision of R.E. Lindsay, Section Head, Runoff and Dam Records Section, assisted by S.E. Blakely and F.E. Stunden. Preparation of the report for 1963-1964 and 1964-65 was under immediate supervision of R.E. Lindsay, assisted by S.E. Blakely.

All field work and office work was under the direction of M.F. Burke, Division Engineer, assisted by J.H. Brown, Supervising Civil Engineer.

LEGEND

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

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

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 stations owned and operated by the United States Geological Survey, Water Resources Branch.

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

Prefix L - indicates 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.

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

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

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

"c" - Gage height record affected by backwater.

"d" - Gage height record doubtful.

"e" - Other types of estimates

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

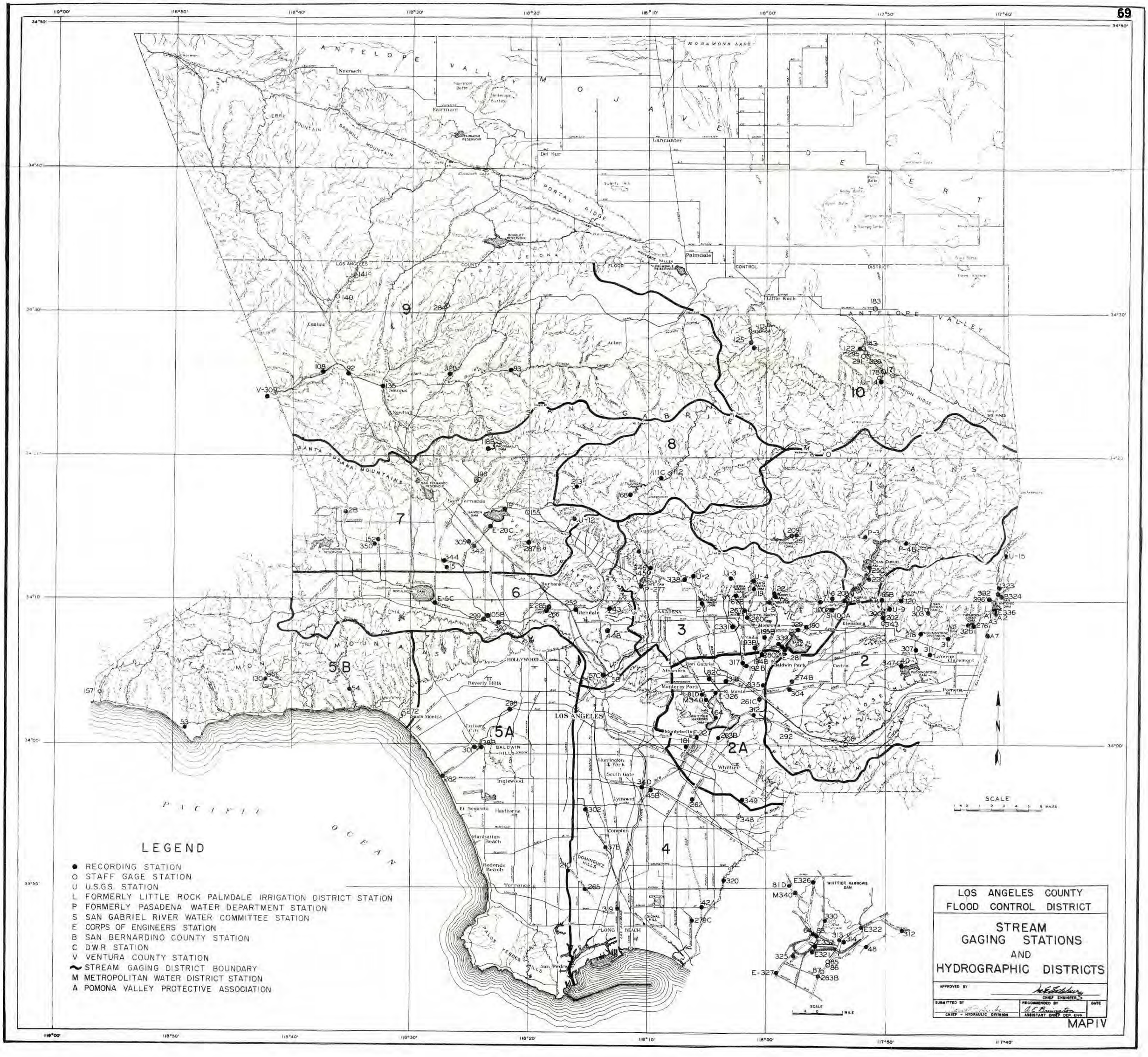
"v" - Gage height-discharge relation failed due to extreme and undetermined shift or unusual drawdown in stilling well.

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

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

ACCURACY

The mean daily runoff tabulations are qualified under "Accuracy" in the Station description. "Excellent" indicates that error in the record is probably less than 5 percent. "Good" indicates a possible error greater than 5 percent but probably less than 10 percent. "Fair" indicates a possible error greater than 10 percent but probably less than 20 percent. "Poor" indicates a possible error greater than 20 percent.



LEGEND

- ● RECORDING STATION
- O STAFF GAGE STATION
- U U.S.G.S. STATION
- L FORMERLY LITTLE ROCK PALMDALE IRRIGATION DISTRICT STATION
- P FORMERLY PASADENA WATER DEPARTMENT STATION
- S SAN GABRIEL RIVER WATER COMMITTEE STATION
- E CORPS OF ENGINEERS STATION
- B SAN BERNARDINO COUNTY STATION
- C D.W.R STATION
- V VENTURA COUNTY STATION
- ~ STREAM GAGING DISTRICT BOUNDARY
- M METROPOLITAN WATER DISTRICT STATION
- A POMONA VALLEY PROTECTIVE ASSOCIATION

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT

STREAM GAGING STATIONS AND HYDROGRAPHIC DISTRICTS

APPROVED BY _____ CHIEF ENGINEER

SUBMITTED BY _____ CHIEF - HYDRAULIC DIVISION

RECOMMENDED BY _____ ASSISTANT CHIEF DEP. ENG.

DATE

MAP IV

TABLE XIII

BURNED AREAS

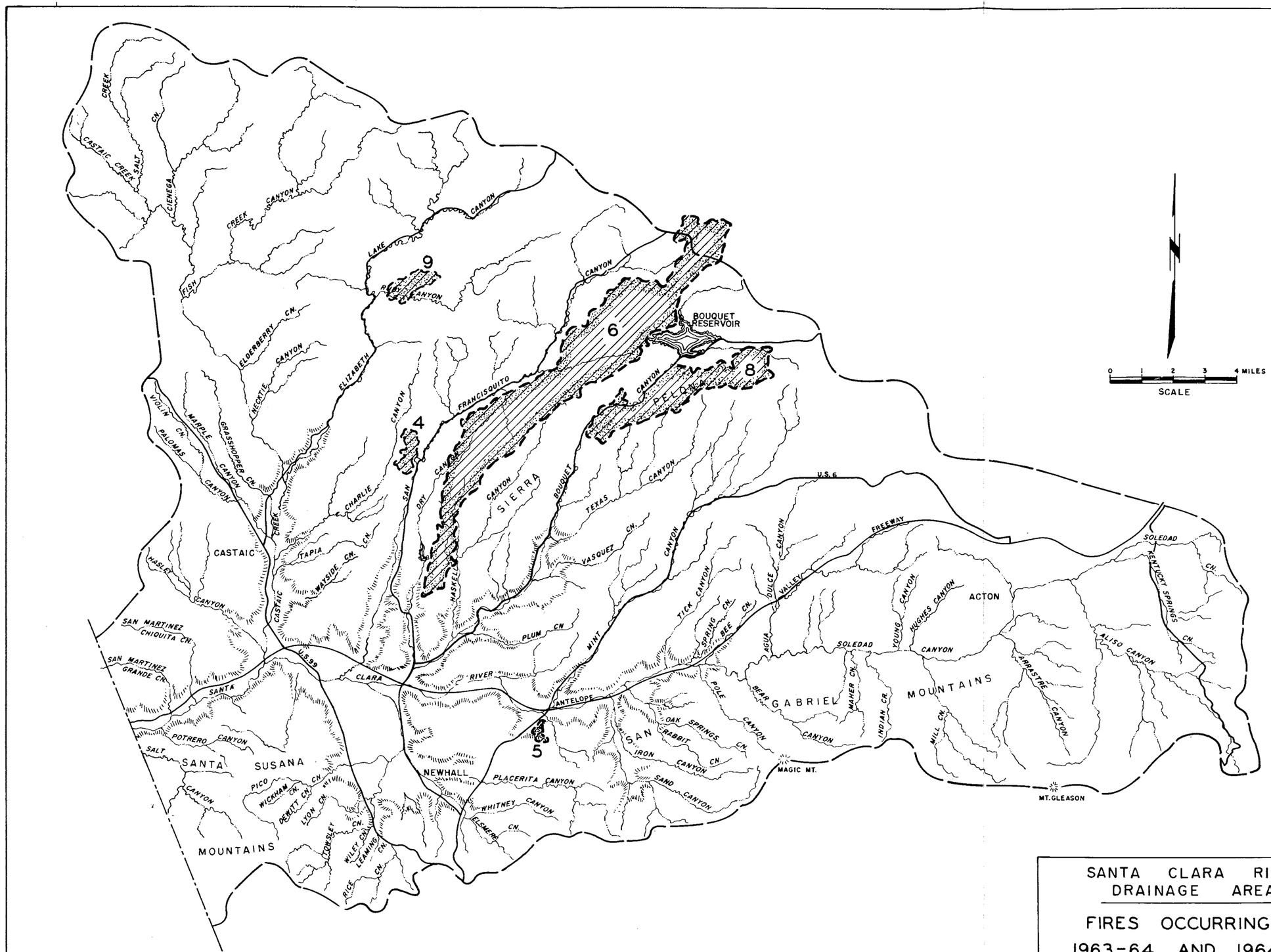
SEASONS 1963–64 AND 1964–65

I PERIOD 10/1/63 TO 9/30/64
(FIRES WHICH BURNED OVER 50 ACRES)

MAP REFERENCE	NAME	DATE	ACRES BURNED
1	WHITING WOODS	3/16/64	6,960
2	CHEVY CHASE	3/16/64	2,300
3	NEWHALL	3/16/64	2,700
4	SAN FRANCISQUITO	4/16/64	395
5	SOLEMINT	6/28/64	76
6	DRY CANYON	7/2/64	14,040
7	AGOURA	7/24/64	84
8	BOUQUET CANYON	9/10/64	3,396
BURNS LESS THAN 50 ACRES (6 FIRES)		VARIOUS	94
		TOTAL ACRES BURNED	30,045

II PERIOD 10/1/64 TO 9/30/65
(FIRES WHICH BURNED OVER 50 ACRES)

MAP REFERENCE	NAME	DATE	ACRES BURNED
9	WARM SPRINGS	7/23/65	570
10	LUKENS	8/26/65	410
BURNS LESS THAN 50 ACRES (1 FIRE)		8/30/65	20
		TOTAL ACRES BURNED	1,000

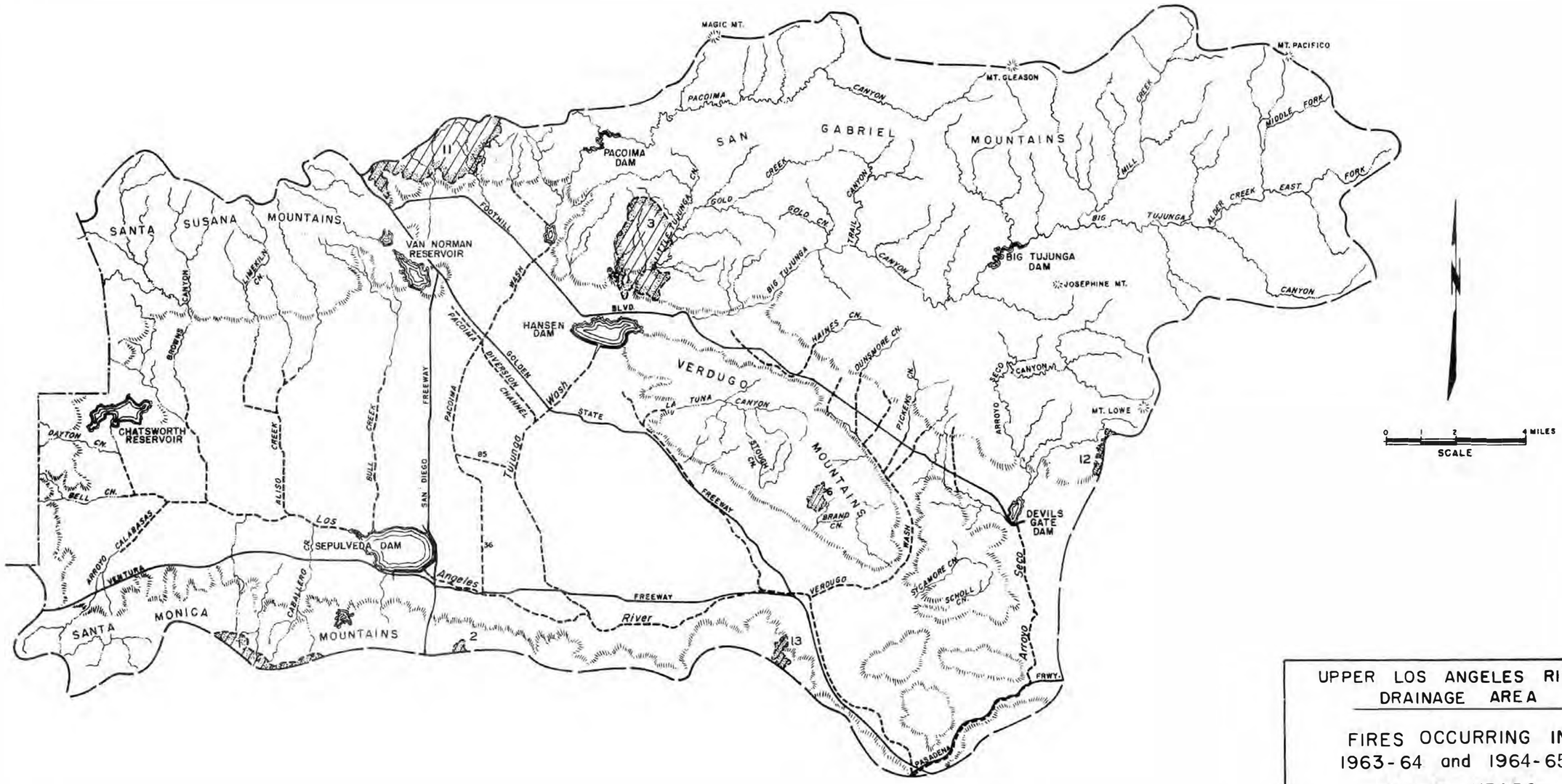


SANTA CLARA RIVER DRAINAGE AREA

FIRES OCCURRING IN 1963-64 AND 1964-65 WATER YEARS

MAR., 1966 GYA			
REVISION	DATE: DEC., 1963	DRAWN BY: M.K.I.	

MAP IV-A

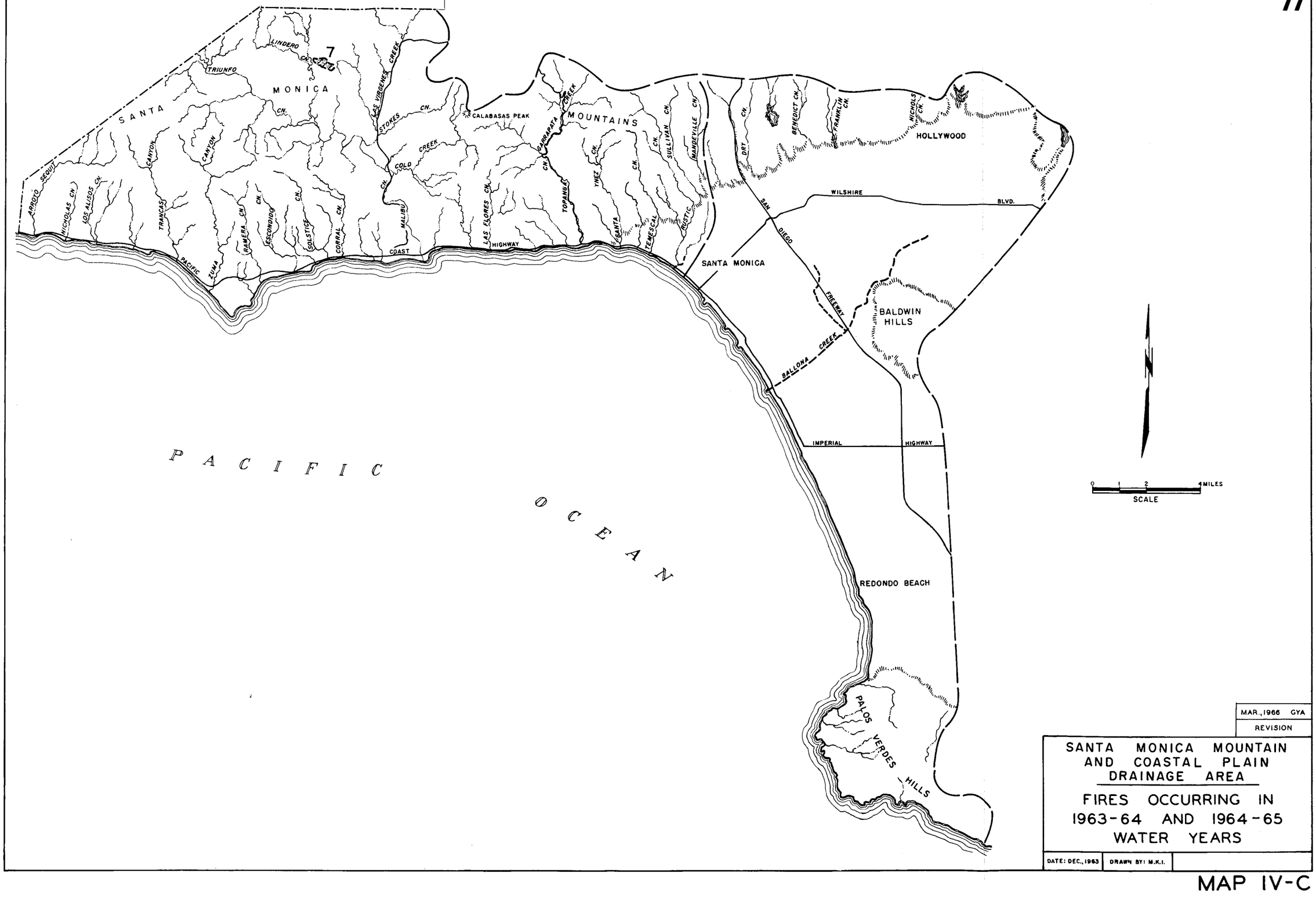


UPPER LOS ANGELES RIVER DRAINAGE AREA

FIRES OCCURRING IN 1963-64 and 1964-65 WATER YEARS

DATE: DEC., 1963	DRAWN BY: M.K.I.	PRESENTED BY: H.O. Matthews

AP IV-B



MAR., 1966 GYA
REVISION

SANTA MONICA MOUNTAIN AND COASTAL PLAIN DRAINAGE AREA

FIRES OCCURRING IN 1963-64 AND 1964-65 WATER YEARS

DATE: DEC., 1963 | DRAWN BY: M.K.I.

MAP IV-C

STATION F81D-R

ALHAMBRA WASH near Klingerman Street

LOCATION: LAT. 34°03'20", LONG. 118°05'10", ON THE LEFT (EAST) SIDE OF THE CHANNEL ABOUT 250 FEET ABOVE KLINGERMAN STREET AND 2650 FEET BELOW GARVEY AVENUE, ELEVATION OF ZERO GAGE HEIGHT 243.74 FEET.

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

DRAINAGE AREA: 14.5 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE:
AT STATION F81-R: JANUARY 14, 1930 TO SEPTEMBER 30, 1934.
AT STATION F81B-R: OCTOBER 1, 1934 TO FEBRUARY 25, 1935.
AT STATION F81C-R: FEBRUARY 25, 1935 TO APRIL 27, 1936.
AT STATION F81B-R: APRIL 27, 1936 TO MAY 22, 1936.
AT STATION F81D-R: SEPTEMBER 2, 1936 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 2210 SECOND-FEET, JANUARY 21.
MINIMUM: 0.2 SECOND-FOOT AT VARIOUS TIMES.
1964-65
MAXIMUM: 3730 SECOND-FEET, APRIL 9.
MINIMUM: 0.2 SECOND-FOOT AT VARIOUS TIMES.
1929-65 (STATIONS F81-R, F81B-R, F81C-R, F81D-R)
MAXIMUM: 5010 SECOND-FEET, MARCH 2, 1938.
MINIMUM: NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD, FLOWS OCCASIONALLY ESTIMATED DURING LOW FLOWS.

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

F8D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F81D-R

Daily discharge, in second-feet of ALHAMBRA WASH above Klingerman Street, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	0.4	0.4	0.6	0.4	0.4	103	0.9	0.6	0.3	0.6	0.6
2	0.6	0.9	0.6	0.6	0.4	19.8	1.8	0.6	1.4	0.4	0.6	0.9
3	0.4	0.6	0.6	0.6	0.6	0.4	1.6	0.4	1.8	0.4	0.9	0.6
4	0.4	0.4	0.9	0.6	0.4	0.4	1.4	0.6	1.8	0.2	0.9	0.6
5	0.4	0.3	1.1	0.6	0.6	0.6	1.6	0.4	1.8	0.3	0.9	0.6
6	0.4	59	0.9	0.4	0.6	0.6	1.1	0.9	1.6	0.3	0.9	0.4
7	0.6	0.4	0.6	0.9	1.1	0.6	1.4	0.9	1.4	0.4	0.9	0.6
8	0.9	0.4	0.6	1.1	0.6	0.4	0.9	0.9	3.8	0.4	0.9	0.6
9	0.9	0.4	0.9	1.1	0.4	0.4	0.6	0.9	18.7	0.6	0.9	0.6
10	0.9	0.3	0.6	1.1	0.4	0.4	0.9	0.9	0.5	0.6	0.9	0.6
11	0.6	0.3	0.6	1.1	0.4	0.4	0.9	0.9	0.3	0.3	0.6	0.6
12	0.6	0.4	0.9	0.6	0.6	24	0.9	1.4	0.4	0.6	0.9	0.6
13	0.6	0.3	0.9	0.4	0.4	2.7	0.9	1.1	0.3	0.6	0.6	0.6
14	0.4	0.6	0.6	0.6	0.4	0.9	0.9	1.1	0.3	0.6	0.6	0.6
15	0.4	54	0.9	0.6	0.4	0.6	0.6	0.9	0.3	0.9	0.6	0.4
16	51	0.6	0.9	0.6	0.3	0.6	0.4	0.4	0.3	0.9	0.6	0.6
17	7.8	0.4	1.4	0.6	0.4	0.6	0.4	0.6	0.3	0.9	0.6	0.6
18	73	0.6	1.6	4.1	0.3	0.6	0.4	0.6	0.3	0.9	0.6	0.6
19	1.6	60	1.8	0.3	0.4	0.6	5.8	0.6	0.4	0.9	0.6	0.6
20	1.1	136	1.4	0.6	0.4	0.6	1.6	0.4	0.3	0.9	0.6	0.4
21	0.9	0.4	1.1	196	0.4	0.6	1.4	0.4	0.4	0.9	0.6	0.4
22	0.9	0.3	0.6	142	0.6	137	1.1	0.6	0.6	0.9	0.6	0.6
23	0.9	0.2	0.6	1.1	0.6	46	0.6	0.4	0.9	0.9	0.9	0.6
24	0.9	0.2	0.6	0.9	0.6	7.7	0.6	0.4	0.9	1.1	1.1	0.9
25	0.9	0.4	0.6	0.6	0.9	0.9	0.6	0.6	0.6	0.9	1.1	0.9
26	0.6	0.6	0.9	0.9	0.9	0.6	0.6	0.9	0.6	0.6	1.4	0.9
27	0.4	0.4	0.6	0.9	0.9	0.9	0.6	0.9	0.3	0.4	1.4	0.6
28	0.6	0.4	0.9	0.9	0.9	0.6	2.8	0.9	0.3	0.6	1.1	0.6
29	0.4	0.4	0.6	0.9	0.9	0.6	0.6	0.9	0.4	0.9	1.1	0.9
30	0.4	0.6	0.9	0.6	0.6	0.6	0.6	0.9	0.3	0.9	0.9	0.9
31	0.4		0.6	0.6		55		0.9		0.9	0.9	
	150.5	320.2	26.2	363.1	16.2	306.1	136.6	23.2	41.9	20.4	25.8	19.0
MEAN	4.88	10.7	0.85	11.7	0.56	9.87	4.55	0.75	1.40	0.66	0.83	0.63
ACRE-FEET	299.	635.	52.	720.	32.	607.	271.	46.	83.	40.	51.	38.

Remarks:

YEAR OR PERIOD MEAN 3.96
ACRE-FEET 2870.

FIDT4M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F81D-R

Daily discharge, in second-feet of ALHAMBRA WASH near Klingerman Street, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	b 0.4	0.9	1.4	0.4	0.6	156	1.1	1.1	0.4	0.6	1.1
2	0.9	b 0.4	1.1	0.9	0.4	0.9	74	0.6	0.9	0.4	0.6	1.1
3	0.6	b 0.4	1.1	0.6	0.4	0.9	77	0.6	0.9	0.3	0.6	1.1
4	0.6	0.4	1.1	0.6	0.9	0.9	52	0.6	0.9	0.3	0.6	0.9
5	0.6	0.3	0.9	0.4	23	0.9	2.3	0.6	0.6	0.4	0.6	0.9
6	0.6	0.3	0.4	0.9	33	0.9	2.3	0.9	0.6	0.4	0.6	26
7	0.6	0.3	0.4	58	0.4	19.0	19.8	1.1	0.9	0.4	0.6	0.4
8	0.6	0.3	0.4	1.1	0.4	1.6	284	0.9	0.9	0.4	0.6	0.3
9	0.6	132	0.3	0.6	0.4	1.1	339	0.9	0.9	0.4	0.6	0.3
10	0.6	78	0.3	0.6	0.4	0.9	1.6	0.9	0.9	0.4	0.9	0.3
11	0.6	b 0.4	0.3	0.6	0.6	4.7	1.1	0.9	1.1	0.4	0.9	0.4
12	0.9	0.4	0.3	0.6	0.4	12.9	4.2	0.9	0.9	0.4	4.2	0.9
13	0.9	0.4	0.3	0.9	0.4	50	0.9	0.9	0.9	0.6	0.4	0.9
14	0.6	0.4	0.3	0.6	0.4	6.1	0.6	0.9	0.9	0.4	0.6	0.6
15	0.6	0.4	0.3	0.4	0.4	23	0.4	1.1	0.9	0.4	0.6	0.6
16	0.9	b 0.4	0.3	0.4	0.6	1.4	0.6	0.9	0.9	0.6	0.9	0.9
17	0.6	72	0.3	0.4	0.6	1.1	0.4	0.9	0.9	0.6	0.6	6.0
18	0.6	1.1	2.8	0.4	0.6	0.9	0.4	1.1	0.9	0.4	0.6	87
19	0.9	0.6	27	0.4	0.6	1.1	0.6	1.1	0.6	0.6	0.6	36
20	0.4	0.6	92	0.4	0.6	0.9	0.6	1.1	0.4	0.6	0.9	0.9
21	0.4	0.3	4.0	0.4	0.4	0.9	0.9	1.1	0.6	0.6	0.6	0.3
22	0.4	0.3	2.1	0.6	0.4	0.6	1.1	0.9	0.6	0.6	0.6	0.3
23	0.4	0.3	1.8	0.6	0.4	0.6	0.9	1.1	0.4	0.6	0.9	0.3
24	0.4	0.3	1.6	44	0.4	0.6	1.1	1.4	0.6	0.6	0.9	0.3
25	0.4	0.3	1.4	0.4	0.9	0.9	0.9	1.4	0.9	0.4	0.6	2.1
26	0.4	0.3	4.6	0.4	1.1	0.9	1.1	1.1	0.6	0.6	0.9	1.6
27	1.4	0.3	96	0.4	0.9	0.9	1.1	1.1	0.4	0.6	0.9	0.6
28	0.9	0.4	3.4	0.4	0.9	0.6	1.1	1.4	0.4	0.6	0.6	0.4
29	29	0.4	1.8	0.4		0.9	1.1	1.1	0.6	0.6	0.6	0.3
30	b 0.1	0.6	1.6	0.4		0.9	0.9	0.9	0.6	0.9	0.9	0.6
31	b 0.1		1.6	0.4		113		1.1		0.6	0.9	
	46.2	293.0	250.7	118.6	70.3	250.5	1028.0	30.6	22.7	15.5	25.0	173.4
MEAN	1.5	9.77	8.1	3.83	2.51	8.08	34.3	0.99	0.76	0.50	0.81	5.78
ACRE-FEET	92.	581.	497.	235.	139.	497.	2,040.	61.	45.	31.	50.	344.

Remarks:

YEAR OR PERIOD MEAN 6.37
ACRE-FEET 4610.

STATION M340-R

ALHAMBRA WASH -- METROPOLITAN WATER DISTRICT OUTLET

Near Rush Street

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 ABOUT 300 FEET NORTH OF RUSH STREET.

RECORDER: A CONTINUOUS TOTALIZING RECORDER WITH VENTURI CONTROL WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

RECORDS AVAILABLE: MARCH 28, 1958 TO SEPTEMBER 30, 1965. MONTHLY RECORDS ARE PUBLISHED HEREIN. AMOUNTS SHOWN ARE AS OF MIDNIGHT ON THE LAST DAY OF THE MONTH. APPROXIMATE MEAN DAILY FLOWS ARE AVAILABLE AT THE DISTRICT OFFICE.

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:

	1963-64	1964-65
OCTOBER	2410.	574.
NOVEMBER	2220.	3550.
DECEMBER	9490.	3890.
JANUARY	7130.	5890.
FEBRUARY	6260.	2870.
MARCH	7260.	5020.
APRIL	8920.	2240.
MAY	2000.	5460.
JUNE	227.	1350.
JULY	0	865.
AUGUST	0	0
SEPTEMBER	0	1810.
TOTAL	45,920.	33,520.

STATION F152B–R

ALISO CREEK below Nordhoff Street

LOCATION: LAT. 34°14'07", LONG. 118°32'48", ON THE LEFT (EAST) BANK, 147 FEET BELOW THE HIGHWAY BRIDGE AT NORDHOFF STREET ABOUT ONE MILE NORTHWEST OF NORTHRIDGE AND 3600 FEET WEST OF RESEDA AVENUE. ELEVATION OF ZERO GAGE HEIGHT, 814.79 FEET.

DRAINAGE AREA: 7.61 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL – CLAY AND SAND, 44–FOOT BOTTOM WIDTH WITH PIPE AND WIRE AT SIDES. A STABILIZER EIGHT FEET DOWNSTREAM ACTS AS A CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION AND/OR DIVERSIONS: NONE.

RECORDS AVAILABLE: NOVEMBER 3, 1939 TO JULY 15, 1947 AND AUGUST 31, 1948 TO SEPTEMBER 30, 1965. NO RECORD FROM JULY 15, 1947 TO AUGUST 31, 1948 DUE TO BRIDGE AND CHANNEL CONSTRUCTION.

EXTREMES OF DISCHARGE:

1963–64
MAXIMUM: 176 SECOND–FEET JANUARY 22.
MINIMUM: NO FLOW MOST OF YEAR.

1964–65
MAXIMUM: 325 SECOND–FEET APRIL 8.
MINIMUM: NO FLOW MOST OF YEAR.

1939–65
MAXIMUM: DISCHARGE NOT DETERMINED FEBRUARY 20, 1941.
MAXIMUM: 1750 SECOND FEET JANUARY 22, 1943.
MINIMUM: NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

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

74DT4M Gib 1-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F152B-R

Daily discharge, in second-feet of ALISO CREEK below Nordhoff Street for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	19	0	0	0	0	0
2	0	0	0	0	0	0.4	0	0	0	0	0	0
3	0	+	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	14	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0.4	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	0.6	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	9.8	1.4	0	0	0	0	0	0	0	0	0
16	2.5	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	2.1	0	0	0	0	0	0	0	0	0	0	0
19	0	3.9	0	0	0	0	+	0.1	0	0	0	0
20	0	24	0	0	0	0	0	0	0	0	0	0
21	0	0	0	9.2	0	0	0	0	0	0	0	0
22	0	0	0	21	0	8.8	0	0	0	0	0	0
23	0	0	0	0	0	14	0	0	0	0	0	0
24	0	0	0	0	0	+	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	+	0	0	0	0	0
29	0	0	0	0	0	0	0.1	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		9.1		0		0	0	
	4.6	51.7	1.4	30.2	0	32.9	19.1	0.1	0.4	0	0	0
MEAN	0.15	1.72	0.04	0.97	0	1.06	0.64	+	+	0	0	0
ACRE-FEET	9.1	103.	2.8	60.	0	65.	38.	0.2	0.8	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.38
ACRE-FEET 279.

7M(74)M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F152B-R

Daily discharge, in second-feet of ALISO CREEK below Nordhoff Street, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	39	0				0
2	0	0	0	0	0	0	14	0				0
3	0	0	0	0	0	0	12	0				0
4	0	0	0	0	0	0	20	0				0
5	0	0	0	0	0.2	0	1.2	0				0
6	0	0	0	0	1.6	0	0	0				0
7	0	0	0	0.3	0		1.0	0				0
8	0	0	0	0	0	0	82	0				0
9	0	12	0	0	0	0	64	0				0
10	0	2.7	0	0	0	0	2.5	0				0
11	0	0	0	0	0	0	1.4	0			a 0.6	0
12	0	0	0	0	0	0	0.4	0			0	0
13	0	0	0	0	0		0.4	0			0	0
14	0	0	0	0	0	0.4	0	0			0	0
15	0	0	0	0	0	0.6	0	0			0	0
16	0	0	0	0	0	0		0			0	0
17	0	3.5	0	0	0	0	0	0			0	0
18	0	0	0	0	0	0	0	0			0	0
19	0	0	1.9	0	0	0	0	0			0	0
20	0	0	14	0	0	0	0	0			0	0
21	0	0	2.4	0	0	0	0	0			0	0
22	0	0	0	0	0	0	0	0			0	0
23	0	0	0	0	0	0	0	0			0	0
24	0	0	0	1.0	0	0	0	0			0	0
25	0	0	0	0	0	0	0	0			0	0
26	0	0	0.2	0	0	0	0	0			0	0
27	0	0	21	0	0	0	0	0			0	0
28	0	0	0.8	0	0	0	0	0			0	0
29	3.4	0	0	0		0	0	0			0	0
30	0	0	0	0		0	0	0			0	0
31	0		0	0		25		0			0	
	3.4	18.2	40.3	1.3	1.8	26.0	237.9	0			0.6	0
MEAN	0.11	0.61	1.30	0.04	0.06	0.84	7.93	0	0	0	0.02	0
ACRE-FEET	6.7	36.	80.	2.6	3.6	52.	472.	0	0	0	1.2	0

STOPPED FOR SUMMER

STOPPED FOR SUMMER

STOPPED FOR SUMMER

Remarks:

YEAR OR PERIOD MEAN 0.90
ACRE-FEET 650.

STATION F317-R
ARCADIA WASH below Grand Avenue

LOCATION: LAT. 34°05'46", LONG. 118°02'01", ON THE RIGHT (WEST) WALL OF ARCADIA WASH CHANNEL ABOUT 75 FEET DOWNSTREAM FROM CENTERLINE OF GRAND AVENUE ELEVATION OF ZERO GAGE HEIGHT 298.17 FEET.

DRAINAGE AREA: 8.5 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL, RECTANGULAR CONCRETE, 32 FEET WIDE, 12 FEET DEEP WITH 0.5 FOOT RISE OF BOTTOM FROM RIGHT BANK TO LEFT BANK.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: SEVERAL DEBRIS BASINS LOCATED UPSTREAM.

RECORDS AVAILABLE: DECEMBER 12, 1955 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 1340 SECOND-FEET NOVEMBER 20.
MINIMUM: 0.1 SECOND-FOOT AT VARIOUS TIMES.
1964-65
MAXIMUM: 1460 SECOND-FEET APRIL 9.
MINIMUM: PLUS FLOWS AT VARIOUS TIMES.
1955-65
MAXIMUM: 1930 SECOND-FEET FEBRUARY 19,1958.
MINIMUM: NO FLOW AT TIMES.

ACCURACY: GOOD.

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

76D74M C5b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F317-R

Daily discharge, in second-feet of ARCADIA WASH at Grand Avenue, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.3	0.2	0.3	0.3	0.2	102	0.4	0.4	0.4	0.3	0.2
2	0.4	0.3	0.3	0.3	0.3	8.4	0.4	0.3	0.4	0.4	0.2	0.3
3	0.4	0.3	0.5	0.3	0.3	0.1	0.4	0.3	0.4	0.3	0.3	0.2
4	0.4	0.3	0.2	0.3	0.3	0.3	0.3	3.1	0.3	0.3	0.2	0.2
5	0.3	0.3	0.3	0.2	0.3	0.3	0.4	0.3	0.3	0.2	0.2	0.2
6	0.2	30	0.3	0.3	0.4	0.3	0.2	0.4	0.4	0.2	0.5	0.3
7	0.2	1.0	0.3	0.3	0.3	0.5	0.2	0.4	0.5	0.3	0.3	0.2
8	0.3	0.4	0.2	0.3	0.3	0.4	0.1	0.4	4.3	0.3	0.3	0.2
9	0.3	0.3	0.2	0.3	0.3	0.4	0.2	0.4	7.2	0.2	0.3	0.2
10	0.3	0.3	0.2	0.4	0.3	0.4	0.3	0.3	0.5	0.3	0.3	0.2
11	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.4	0.4	0.3	0.3	0.2
12	0.3	0.2	0.3	0.3	0.3	15.2	0.3	0.4	0.4	0.3	0.3	0.2
13	0.3	0.3	0.3	0.3	0.3	0.7	0.3	0.4	0.4	0.2	0.3	0.1
14	0.3	0.3	0.3	0.4	0.3	0.3	0.5	0.4	0.3	0.2	0.3	0.1
15	0.3	34	0.3	0.3	0.4	0.2	0.2	0.4	0.3	0.2	0.2	0.2
16	42	1.4	0.3	0.3	0.3	0.1	0.3	0.4	0.3	0.2	0.2	0.2
17	3.3	0.7	0.4	0.4	0.4	0.1	0.3	0.4	0.2	0.2	0.2	0.3
18	0.9	0.5	0.4	0.5	0.4	0.2	0.4	0.4	0.2	0.3	0.2	0.3
19	0.4	15.6	0.4	0.4	0.4	0.3	7.2	0.4	0.2	0.2	0.2	0.3
20	0.4	120	0.4	0.4	0.4	0.2	0.4	0.9	0.3	0.3	0.2	0.2
21	0.3	0.9	0.4	110	0.3	0.3	0.3	0.4	0.2	0.3	0.2	0.2
22	0.2	0.4	0.3	63	0.3	64	0.3	0.4	0.2	0.2	0.2	0.3
23	0.2	0.3	0.3	0.5	0.3	34	0.4	0.4	0.2	0.3	0.2	0.2
24	0.2	0.3	0.3	0.4	0.3	11.0	0.4	0.4	0.2	0.2	0.3	0.3
25	0.2	0.2	0.3	0.4	0.4	0.5	0.3	0.2	0.2	0.3	0.3	0.3
26	0.2	0.2	0.4	0.3	0.3	0.3	0.3	0.1	0.2	0.2	0.2	0.3
27	0.3	0.2	0.4	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.3	0.3
28	0.2	0.2	0.4	0.3	0.3	0.3	5.1	0.2	0.1	0.2	0.3	0.2
29	0.3	0.2	0.4	0.4	0.3	0.2	0.9	0.3	0.1	0.2	0.3	0.2
30	0.2	0.1	0.3	0.4		0.3	0.3	0.3	0.1	0.3	0.2	0.3
31	0.3		0.3	0.3		28		0.4		0.2	0.2	
	54.2	209.7	9.9	182.9	9.3	168.2	123.1	14.1	19.4	7.9	8.0	6.9
MEAN	1.75	6.99	0.32	5.90	0.32	5.42	4.10	0.45	0.65	0.25	0.26	0.23
ACRE-FEET	108.	416.	20.	363.	18.	334.	244.	28.	38.	16.	16.	14.

Remarks:

YEAR OR PERIOD MEAN 2.23
ACRE-FEET 1620.

76D74M C5b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F317-R

Daily discharge, in second-feet of ARCADIA WASH below Grand Avenue, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.2	0.3	0.1	0.4	0.4	153	0.3	0.2	0.2	0.5	0.1
2	0.3	0.3	0.2	0.1	0.4	0.4	55	0.3	0.2	0.2	0.9	0.1
3	0.3	0.2	0.3	0.1	0.3	0.3	38	11.6	0.3	0.1	0.7	0.2
4	0.3	0.2	0.3	0.1	0.3	0.3	25	0.4	0.2	0.1	0.5	0.1
5	0.3	0.3	0.3	0.1	6.4	0.3	0.4	0.2	0.3	0.1	0.7	2.8
6	0.2	0.3	0.2	0.1	27	0.3	0.4	0.2	0.4	0.1	0.9	24
7	0.3	0.2	0.3	19.2	0.5	12.4	5.8	0.1	0.2	0.2	0.5	0.3
8	0.3	0.2	0.3	0.3	0.4	0.3	112	0.2	0.3	0.1	0.7	0.2
9	0.4	47	0.2	0.2	0.4	0.3	137	0.1	0.1	0.2	0.7	0.2
10	0.3	35	0.2	0.3	0.3	0.3	1.2	0.2	0.1	0.2	0.7	0.2
11	0.3	0.4	0.2	0.2	0.5	0.5	0.7	0.2	0.1	0.1	0.9	0.3
12	0.2	1.2	0.2	0.3	0.3	8.0	1.2	0.3	0.2	0.1	12.2	0.2
13	0.3	0.2	0.2	0.4	0.3	26	0.4	0.2	0.2	0.1	0.2	0.3
14	0.4	0.2	0.1	0.3	0.3	2.2	0.2	0.1	0.2	0.1	0.3	0.3
15	0.4	0.1	0.3	0.2	0.3	9.7	0.3	0.5	0.3	0.1	0.3	0.2
16	0.3	0.2	0.2	0.4	0.4	0.4	0.1	0.4	0.3	0.1	0.4	1.3
17	0.3	45	0.5	0.1	0.3	0.2	0.2	0.4	0.3	0.3	0.3	5.9
18	0.3	0.4	0.7	0.3	0.3	0.1	0.1	0.2	0.3	0.2	0.3	15.4
19	0.3	0.2	4.2	0.4	0.3	0.1	0.2	0.1	0.2	0.2	0.3	17.6
20	0.3	0.1	38	0.3	0.2	0.1	0.1	0.2	0.2	0.2	0.4	0.2
21	0.3	0.1	0.4	0.3	0.4	0.1	0.1	0.3	0.2	0.3	0.4	0.1
22	0.4	0.1	0.2	0.3	0.3	0.1	0.2	0.3	0.3	0.1	0.4	0.1
23	0.4	0.2	0.2	0.3	0.4	0.3	0.3	0.3	0.3	0.1	0.3	0.1
24	0.3	0.2	0.2	19.8	0.4	0.1	0.2	0.4	0.2	0.1	0.2	0.1
25	0.3	0.3	0.1	0.4	0.4	0.1	0.2	0.2	0.7	0.1	0.2	0.2
26	0.4	0.3	1.4	0.3	0.4	0.2	0.2	0.2	0.2	0.1	0.3	0.1
27	1.8	0.3	65	0.3	0.5	0.2	0.3	0.4	0.1	0.3	0.2	0.1
28	0.9	0.3	1.4	0.2	0.4	0.2	0.3	0.3	0.1	0.2	0.3	0.1
29	11.9	0.2	0.2	0.2		0.1	0.2	0.3	0.1	0.2	0.3	0.1
30	0.3	0.2	0.2	0.2		0.3	0.3	0.3	0.1	2.6	0.3	0.1
31	0.2		0.1	0.2		51		0.4		0.5	0.2	
	23.2	134.1	116.6	46.0	42.8	115.3	533.6	19.6	6.9	7.6	25.5	71.0
MEAN	0.75	4.47	3.76	1.48	1.53	3.72	17.8	0.63	0.23	0.25	0.82	2.37
ACRE-FEET	46.	266.	231.	91.	85.	229.	1,060.	39.	14.	15.	51.	141.

Remarks:

YEAR OR PERIOD MEAN 3.13
ACRE-FEET 2,270.

STATION U1-R

ARROYO SECO above Mouth of Canyon

LOCATION: LAT. 34°13'20", LONG. 118°10'36", ON RIGHT BANK 1.5 MILES UPSTREAM FROM MILLARD CANYON AND 5.5 MILES NORTHWEST OF PASADENA. ALTITUDE OF GAGE 1397.88 FEET.

DRAINAGE AREA: 16.0 SQUARE MILES (REVISED).

RECORDS AVAILABLE: DECEMBER 1910 TO SEPTEMBER 1965.

AVERAGE DISCHARGE: 51 YEARS (1913-15, 1916-65) - 8.32 SECOND-FEET.

EXTREMES OF DISCHARGE:

1963-64
- MAXIMUM: 182 SECOND-FEET JANUARY 21 (GAGE HEIGHT 2.94 FEET).
- MINIMUM: 0.1 SECOND-FOOT ON VARIOUS DAYS.

1964-65
- MAXIMUM: 194 SECOND-FEET APRIL 9 (GAGE HEIGHT 3.00 FEET).
- MINIMUM: 0.1 SECOND-FEET AT VARIOUS TIMES.

1910-65
- MAXIMUM: 8620 SECOND-FEET MARCH 2, 1938 BY SLOPE-AREA METHOD.
- MINIMUM: NO FLOW AT TIMES IN SOME YEARS.

REMARKS: RECORDS GOOD. NO DIVERSIONS ABOVE STATION. MINOR REGULATION AT DEBRIS DAM 1.5 MILES UPSTREAM.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U1-R

Daily discharge, in second-feet of ARROYO SECO above Mouth of Canyon for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.7	0.6	1.1	0.6	2.5	1.1	68	2.3	1.0	0.5	0.6	0.1
2	0.7	0.6	1.1	0.6	2.5	1.9	24	1.9	1.0	0.5	0.4	0.1
3	0.7	0.7	1.1	0.6	2.3	1.5	12	1.7	1.0	0.5	0.1	0.1
4	0.7	0.7	1.1	0.6	2.3	1.3	7.9	4.1	1.0	0.5	0.1	0.1
5	0.6	0.7	1.1	0.6	2.5	1.1	6.3	4.4	1.0	0.4	0.1	0.1
6	0.6	2.2	1.1	0.8	2.3	1.1	5.7	4.2	1.0	0.4	0.1	0.1
7	0.6	1.7	1.1	0.8	2.1	1.1	6.0	3.0	1.0	0.4	0.2	0.1
8	0.5	1.5	1.1	0.8	2.1	1.1	6.0	2.1	1.3	0.4	0.1	0.1
9	0.5	1.3	1.1	1.0	1.9	1.1	5.0	1.7	2.1	0.4	0.2	0.1
10	0.5	1.0	1.1	1.0	1.5	1.1	4.7	1.5	1.3	0.4	0.2	0.1
11	0.6	0.8	1.1	1.0	1.5	1.1	4.2	1.7	1.1	0.3	0.2	0.2
12	0.6	0.8	1.0	1.0	1.5	1.7	3.7	1.9	1.1	0.3	0.2	0.2
13	0.7	0.8	0.8	1.0	1.5	1.9	3.2	1.9	1.1	0.3	0.2	0.3
14	1.0	0.8	0.8	1.0	1.5	1.1	3.2	1.7	1.1	0.4	0.2	0.3
15	1.1	3.3	0.8	1.0	1.5	1.0	2.5	1.7	1.1	0.4	0.2	0.3
16	2.0	2.3	0.8	1.0	1.5	0.7	2.3	1.7	1.1	0.4	0.2	0.3
17	0.8	1.7	1.0	1.0	1.5	0.7	2.5	1.7	1.1	0.4	0.1	0.3
18	1.0	1.5	1.1	1.1	1.5	0.8	3.4	1.9	1.1	0.4	0.1	0.3
19	1.0	1.6	1.1	1.1	1.3	1.0	5.7	1.9	1.1	0.4	0.1	0.3
20	1.1	21	1.1	1.3	1.3	1.0	3.4	1.9	1.0	0.4	0.1	0.3
21	1.1	6.6	1.0	35	1.3	1.1	3.0	1.9	0.8	0.5	0.1	0.3
22	1.1	3.4	0.8	41	1.3	11	2.7	1.7	0.7	0.5	0.1	0.3
23	1.0	2.5	0.8	7.9	1.5	15	3.0	1.5	0.7	0.5	0.1	0.2
24	0.8	2.1	0.8	4.4	1.7	7.4	2.3	1.5	0.6	0.6	0.1	0.2
25	0.8	1.5	1.0	4.0	1.7	4.0	2.1	1.3	0.6	0.6	0.1	0.2
26	0.8	1.3	1.1	3.7	1.7	3.2	1.9	1.3	0.6	0.6	0.1	0.2
27	0.8	1.3	1.1	3.7	1.5	3.4	1.7	1.3	0.5	0.6	0.1	0.2
28	0.7	1.1	1.0	3.4	1.3	3.4	2.5	1.2	0.5	0.5	0.2	0.2
29	0.7	1.1	1.0	3.2	1.3	3.0	2.5	1.3	0.5	0.5	0.2	0.2
30	0.7	1.1	0.8	2.7		2.5	2.3	1.3	0.5	0.6	0.3	0.2
31	0.7		0.8	2.5		5.8		1.1		0.6	0.3	
	25.2	67.6	30.8	129.4	49.9	83.2	203.7	60.3	28.6	14.2	5.4	6.0
MEAN	0.81	2.25	0.99	4.17	1.72	2.68	6.79	1.95	0.95	0.46	0.17	0.20
ACRE-FEET	50.	134.	61.	257.	99.	165.	404.	120.	57.	28.	11.	12.

Remarks:

YEAR OR PERIOD MEAN 1.92

ACRE-FEET 1,400.

7-D74M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U1-R

Daily discharge, in second-feet of ARROYO SECO above Mouth of Canyon, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.1	0.8	1.5	1.0	0.8	25	6.0	2.5	1.0	0.6	0.4
2	0.2	0.1	0.8	1.1	1.0	0.8	58	6.0	2.5	0.8	0.5	0.4
3	0.2	0.1	0.8	1.1	1.1	0.7	33	5.4	2.5	0.8	0.4	0.4
4	0.1	0.1	0.8	1.0	1.3	0.7	28	5.2	2.5	0.8	0.4	0.4
5	0.1	0.1	0.7	0.8	1.3	0.8	17	5.0	2.7	0.8	0.4	0.5
6	0.1	0.1	0.7	0.8	3.7	0.8	12	4.7	3.0	0.8	0.4	1.3
7	0.1	0.1	0.7	5.8	2.5	1.1	11	4.7	3.0	0.8	0.4	0.6
8	0.1	0.1	0.7	3.2	1.9	1.1	42	4.2	3.2	0.8	0.4	0.6
9	0.1	9.0	0.7	2.3	1.9	1.1	73	4.2	3.0	0.8	0.3	0.5
10	0.1	7.2	0.8	2.1	1.9	1.1	61	4.0	2.7	0.8	0.3	0.5
11	0.1	3.4	0.8	2.1	1.7	1.3	33	3.7	2.5	0.8	0.3	0.6
12	0.1	1.8	0.8	1.9	1.7	1.3	25	3.7	2.3	0.8	0.3	0.6
13	0.1	1.1	0.7	1.8	1.7	1.7	21	3.7	2.1	0.8	0.3	0.5
14	0.1	1.0	0.7	1.5	1.5	1.3	20	3.4	2.1	0.8	0.3	0.5
15	0.1	0.7	0.7	1.5	1.3	1.3	21	3.2	1.9	0.8	0.3	0.5
16	0.1	0.7	0.7	1.5	1.3	1.3	21	3.0	1.9	0.8	0.3	0.6
17	0.1	2.3	0.8	1.5	1.1	1.3	18	2.7	1.9	0.7	0.4	0.8
18	0.1	1.5	0.8	1.5	1.1	1.3	17	2.7	1.7	0.7	0.4	0.8
19	0.1	1.1	1.7	1.5	1.1	1.1	16	2.5	1.5	0.7	0.4	1.0
20	0.1	0.8	7.7	1.3	1.1	1.1	14	2.7	1.5	0.7	0.4	0.7
21	0.1	0.7	5.7	1.1	1.1	1.1	13	3.2	1.3	0.7	0.4	0.8
22	0.1	0.7	4.0	1.1	1.1	1.1	12	3.2	1.3	0.7	0.4	0.7
23	0.1	0.6	2.7	1.0	1.3	1.1	11	3.2	1.5	0.7	0.4	0.7
24	0.1	0.6	2.1	3.2	1.3	1.3	9.6	3.4	1.5	0.7	0.4	0.7
25	0.1	0.6	1.7	2.1	1.1	1.3	8.5	3.2	2.1	0.7	0.4	0.7
26	0.1	0.6	1.9	1.7	1.1	1.3	7.1	3.0	2.1	0.7	0.4	0.8
27	0.1	0.6	11	1.5	1.1	1.3	7.1	2.5	1.5	0.7	0.4	0.8
28	0.2	0.6	7.4	1.3	1.0	1.3	6.8	2.3	1.1	0.6	0.4	0.8
29	0.3	0.6	4.4	1.3		1.3	6.6	1.9	1.1	0.6	0.4	0.8
30	0.1	0.8	3.0	1.3		1.1	6.3	2.3	1.0	0.7	0.4	0.8
31	0.1		2.1	1.3		5.3		2.3		0.7	0.4	
	3.7	37.8	68.9	52.7	40.3	39.5	654.0	111.2	61.5	23.3	11.9	19.8
MEAN	0.12	1.26	2.22	1.70	1.44	1.27	21.8	3.59	2.05	0.75	0.38	0.66
ACRE-FEET	7.3	75.	137.	105.	80.	78.	1,300.	221.	122.	46.	24.	39.

Remarks:

YEAR OR PERIOD MEAN 3.08
ACRE-FEET 2,230.

STATION P277-R
ARROYO SECO below Devil's Gate Dam

LOCATION: LAT. 34°10'53", LONG. 118°10'18", ON THE EAST SIDE OF THE CHANNEL ABOUT 0.5 MILE BELOW DEVIL'S GATE DAM AND ABOUT 0.5 MILE ABOVE WASHINGTON STREET, PASADENA. ELEVATION OF GAGE 939.89 FEET.

DRAINAGE AREA: 32.5 SQUARE MILES.

CHANNEL AND CONTROL: NATURAL CHANNEL OF ROCK AND SAND FROM DEVIL'S GATE DAM TO THE STATION, AT INTAKE STRUCTURE TO IMPROVED CHANNEL, WHERE AN OGEE SECTION 80.2 FEET WIDE AND 18 FEET HIGH WITH A RECTANGULAR BROAD-CRESTED WEIR 14.2 FEET WIDE AND 1.0 FOOT HIGH WITH LOW FLOW NOTCH 1.0 FOOT HIGH BY 3.0 FEET WIDE AT THE TOP AND 2.0 FEET WIDE AT BOTTOM, FORMS THE CONTROL. LOW WATER NOTCH INSTALLED OCTOBER 1, 1953.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM FOOT BRIDGE BELOW STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW REGULATED BY DEVIL'S GATE DAM AND PASADENA WATER DEPARTMENT'S GATED DIVERSION INTO CHANNEL ABOVE STATION.

DIVERSIONS: PASADENA WATER DEPARTMENT DIVERTS FLOW APPROXIMATELY TWO MILES ABOVE DEVIL'S GATE DAM FOR DOMESTIC USE. FLOW MAY BE DIVERTED TO CHANNEL BETWEEN DEVIL'S GATE DAM AND STATION FROM PASADENA WATER DEPARTMENT TUNNEL.

RECORDS AVAILABLE: NOVEMBER 30, 1942 TO SEPTEMBER 30, 1965. RECORDS PRIOR TO NOVEMBER 30, 1942 ARE AVAILABLE AT THE PASADENA WATER DEPARTMENT.

EXTREMES OF DISCHARGE:

1963-64
MAXIMUM: 214 SECOND-FEET JUNE 26.
MINIMUM: PLUS FLOW PART OF YEAR.

1964-65
MAXIMUM: 128 SECOND-FEET JULY 12.
MINIMUM: NO FLOW AT VARIOUS TIMES.

1942-65
MAXIMUM: 5640 SECOND-FEET JANUARY 23, 1943.
MINIMUM: NO FLOW.

ACCURACY: FAIR.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE PASADENA WATER DEPARTMENT, JANUARY 1940. OPERATION TAKEN OVER BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT NOVEMBER 30, 1942 IN COOPERATION WITH THE PASADENA WATER DEPARTMENT.

76D74M C4b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. P277-R

Daily discharge, in second-feet of ARROYO SECO below Devil's Gate Dam, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.3	0.3	0.3	0.3	0.3	0.8	0.5	0.4	0.3	0.07	0.05
2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.07	0.03
3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.07	0.03
4	1.6	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.07	0.03
5	2.9	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.07	0.03
6	1.6	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.05	0.03
7	0.5	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.05	0.03
8	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.2	0.05	0.03
9	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.2	0.05	0.03
10	0.1	0.1	0.3	0.3	0.3	0.3	0.5	0.4	0.3	0.2	0.05	0.03
11	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.2	0.05	0.03
12	0.1	0.2	0.4	0.3	0.3	0.4	0.3	0.4	0.4	0.1	0.05	0.03
13	0.07	0.2	0.4	0.3	0.3	0.4	0.3	0.4	0.4	0.1	0.05	0.01
14	0.07	0.2	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.1	0.05	0.01
15	0.07	0.3	0.4	0.2	0.3	0.3	0.5	0.4	0.3	0.1	0.05	0.01
16	0.1	0.1	0.4	0.2	0.3	0.3	0.5	0.4	0.4	0.1	0.05	0.01
17	0.1	0.2	0.4	0.3	0.3	0.3	0.5	0.4	0.3	0.1	0.05	0.01
18	0.2	0.2	0.4	0.3	0.3	0.3	0.5	0.4	0.3	0.1	0.03	0.01
19	0.1	0.3	0.4	0.3	0.3	0.5	0.6	0.5	0.3	0.1	0.03	0.01
20	0.1	0.7	0.4	0.3	0.3	0.6	0.5	0.5	0.3	0.1	0.03	0.01
21	0.1	0.3	0.4	1.0	0.3	0.6	0.5	0.5	0.3	0.1	0.03	0.01
22	0.1	0.4	0.5	0.7	0.3	1.3	0.5	0.5	0.3	0.1	0.03	0.01
23	0.1	0.4	0.5	0.2	0.3	0.5	0.5	0.5	0.3	0.1	0.03	0.01
24	0.1	0.4	0.3	0.2	0.3	0.4	0.6	0.4	0.3	0.1	0.03	0.01
25	0.6	0.4	0.3	0.2	0.3	0.3	0.6	0.4	9.5	0.1	0.03	0.01
26	0.3	0.4	0.3	0.2	0.3	0.3	0.6	0.4	41	0.07	0.03	0.01
27	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.07	0.03	0.01
28	0.3	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.07	0.03	0.01
29	0.3	0.4	0.3	0.3	0.3	0.5	0.5	0.4	0.3	0.07	0.1	0.01
30	0.3	0.4	0.3	0.3		0.6	0.5	0.4	0.3	0.07	0.07	0.01
31	0.3		0.3	0.3		0.9		0.4		0.07	0.07	
	11.31	8.8	10.7	9.8	8.7	12.8	13.6	12.7	59.9	4.72	1.52	0.56
MEAN	0.36	0.29	0.35	0.32	0.30	0.41	0.45	0.41	2.00	0.15	0.05	0.02
ACRE-FEET	22.	17.	21.	19.	17.	25.	27.	25.	119.	9.4	3.0	1.1

Remarks:

YEAR OR PERIOD MEAN 0.42
ACRE-FEET 308.

76D74M C4b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. P277-R

Daily discharge, in second-feet of ARROYO SECO below Devil's Gate Dam, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.01	0.2	0.4	0.3	c 0.4	0.3	0.7	0.3	0.1	0.1	0	0
2	0.01	0.1	0.4	0.3	0.4	0.3	0.8	0.3	0.1	0.2	0	0
3	0.01	0.1	0.3	0.3	0.4	0.3	0.5	0.3	0.2	0.2	0	0
4	0.01	0.1	0.2	0.3	c 0.4	0.3	0.5	0.2	0.2	0.2	0	0
5	0.01	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0	0
6	0.01	0.1	0.2	0.3	0.4	0.3	0.3	0.3	0.2	0.03	0	0.02
7	0.01	0.1	0.3	0.5	0.4	0.3	0.4	0.3	0.2	0.1	0	0.02
8	0.01	0.1	0.3	0.4	0.4	0.3	1.1	0.3	0.2	0.03	0	0.02
9	0.01	1.0	0.3	0.4	0.4	0.3	1.5	0.3	0.2	18.7	0	0.02
10	0.01	0.5	0.4	0.3	0.4	0.3	0.2	0.3	0.2	28	0	0.02
11	0.01	0.3	0.4	0.3	0.4	0.3	0.3	0.3	0.2	12.0	0	0.02
12	0.01	0.3	0.4	0.4	0.4	0.3	0.2	0.3	0.2	17.4	0	0.02
13	0.01	0.3	0.4	0.4	0.4	0.3	0.2	0.3	0.2	0.3	0	0.02
14	0.01	0.3	0.3	0.4	0.4	0.2	0.1	0.4	0.2	0.1	0	0.02
15	0.01	0.3	0.3	0.4	0.4	0.3	0.1	0.4	0.2	0.1	0	0.02
16	0.01	0.3	0.4	0.4	0.3	0.3	0.2	0.4	0.2	0.1	0	0.02
17	0.01	0.6	0.4	0.4	0.3	0.3	0.2	0.4	0.2	0.1	0	0.02
18	0.01	0.3	0.4	0.4	0.3	0.3	0.3	0.4	0.2	0.05	0	0.02
19	0.01	0.3	0.3	0.4	0.3	0.2	0.3	0.4	0.2	0.05	0	0.02
20	0.01	0.3	0.5	0.4	0.3	0.2	0.3	0.4	0.2	0.03	0	0.03
21	0.01	0.3	0.5	0.4	0.3	0.2	0.3	0.4	0.2	0.03	0	0.03
22	0.01	0.3	0.5	0.4	0.3	0.2	0.3	0.4	0.2	0.01	0	0.03
23	0.01	0.3	0.4	0.3	0.3	0.2	0.3	0.4	0.2	0.01	0	0.04
24	0.01	0.3	0.3	0.6	0.3	0.2	0.3	0.4	0.2	0.01	0	0.04
25	0.01	0.4	0.3	0.6	0.2	0.2	0.4	0.3	0.2	0.01	0	0.05
26	0.01	0.4	0.3	0.5	0.2	0.2	0.4	0.3	0.2	0.01	0	0.1
27	0.01	0.4	0.6	0.4	0.2	0.2	0.4	0.3	0.2	0.01	0	0.1
28	0.01	0.4	0.4	0.3	0.2	0.2	0.4	0.3	0.2	0	0	0.1
29	0.2	0.4	0.4	0.3		0.2	0.3	0.3	0.2	0	0	0.1
30	0.2	0.4	0.4	c 0.3		0.2	0.3	0.2	0.2	0	0	0.1
31	0.2		0.3	c 0.4		0.5		0.2		0	0	
	0.88	9.3	11.2	11.8	9.4	8.2	11.9	10.1	5.8	78.08	0	1.00
MEAN	0.03	0.31	0.36	0.38	0.34	0.26	0.40	0.33	0.19	2.52	0	0.03
ACRE-FEET	1.7	18.	22.	23.	19.	16.	24.	20.	12.	155.	0	2.0

Remarks:

YEAR OR PERIOD MEAN 0.43
ACRE-FEET 313.

STATION F38B–R
BALLONA CREEK at Sawtelle Boulevard

LOCATION: LAT. 33°59'48", LONG. 118°24'07", ON THE DOWNSTREAM SIDE OF SAWTELLE BOULEVARD BRIDGE, ABOUT 1.5 MILES SOUTH OF CULVER CITY. ELEVATION OF ZERO GAGE HEIGHT, 11.06 FEET.

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

CHANNEL AND CONTROL: CHANNEL – CONCRETE INVERT WITH GUNITED LEVEES ON A 3 TO 1 SLOPE. CHANNEL FORMS CONTROL. (PAVING DONE OCTOBER 1961.)

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: STONE CANYON RESERVOIR PRIOR TO JANUARY 1951, UPPER AND LOWER FRANKLIN CANYON RESERVOIRS, HOLLYWOOD RESERVOIR, SILVER LAKE RESERVOIR, AND BALDWIN HILLS RESERVOIR.

DIVERSIONS: SOME SMALL PUMPING DIVERSIONS FOR IRRIGATION.

RECORDS AVAILABLE: AT STATION F38–R – FEBRUARY 27, 1928 TO APRIL 27, 1936; AT STATION F38B–R – MAY 14, 1936 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:

1963–64
- MAXIMUM: 6420 SECOND–FEET, JANUARY 22.
- MINIMUM: 3.2 SECOND–FEET, MARCH 15.

1964–65
- MAXIMUM: 17600 SECOND–FEET, APRIL 9.
- MINIMUM: 3.9 SECOND–FEET, NOVEMBER 1.

1928–65 (STATIONS F38–R AND F38B–R)
- MAXIMUM: 19000 SECOND–FEET, MARCH 2, 1938 (171.2 CFS PER SQUARE MILE).
- MAXIMUM: 18900 SECOND–FEET FEBRUARY 13, 1954 (213.3 CFS PER SQUARE MILE).
- MINIMUM: NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD, EXCEPT DURING PERIODS OF ESTIMATED FLOW.

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

74D743M Cib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F38B-R

Daily discharge, in second-feet of BALLONA CREEK at Sawtelle Blvd., for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15.6	11.5	4.6	4.6	8.8	4.6	214	8.1	8.8	11.5	11.5	9.5
2	10.5	12.6	6.7	6.7	7.4	117	8.1	7.4	8.8	12.6	10.5	9.5
3	9.5	9.5	6.7	6.7	8.8	4.6	7.4	6.0	10.5	10.5	13.6	10.5
4	8.8	14.6	7.4	6.0	8.8	6.7	9.5	8.1	9.5	6.7	12.6	12.6
5	5.3	12.6	7.4	6.0	13.6	9.5	9.5	7.4	9.5	6.7	12.6	8.8
6	4.6	395	7.4	7.4	10.5	9.5	10.5	7.4	9.5	9.5	14.6	7.4
7	7.4	8.1	7.4	8.8	8.8	9.5	11.5	8.1	8.8	6.0	15.6	9.5
8	7.4	7.4	6.0	8.8	8.1	8.8	10.5	9.5	10.5	6.0	10.5	12.6
9	9.5	6.0	7.4	8.8	7.4	11.5	10.5	8.8	248	8.1	10.5	12.6
10	11.5	6.0	7.4	9.5	14.2	13.6	8.8	9.5	b 9.8	8.1	17.7	13.6
11	10.5	7.4	8.8	11.5	8.8	13.2	11.5	12.6	9.8	6.0	15.6	13.6
12	8.8	8.8	12.6	8.8	8.8	67	7.4	12.6	9.8	5.3	14.6	9.5
13	8.8	7.4	8.1	12.6	8.8	22	a 7.4	11.5	9.8	9.5	13.6	6.7
14	12.6	7.4	343	13.6	8.8	6.7	8.1	10.5	9.8	10.5	15.6	10.5
15	14.6	419	11.0	12.6	7.4	3.9	8.1	10.5	9.8	9.5	14.6	8.8
16	320	9.5	8.1	12.6	6.7	7.4	a 8.1	10.5	9.8	14.6	11.5	8.1
17	8.8	7.4	8.1	11.5	7.4	9.5	8.8	8.1	9.8	10.5	15.6	11.5
18	103	7.4	8.8	57	9.5	11.5	14.6	9.5	9.8	9.5	15.6	14.6
19	8.8	382	8.1	6.0	9.5	11.5	37	9.5	9.8	8.8	12.6	9.5
20	7.4	789	8.8	34	8.8	11.5	11.5	8.8	9.8	12.6	12.6	7.4
21	8.1	6.7	8.1	704	8.8	8.1	9.5	10.5	9.8	13.6	13.6	10.5
22	8.8	7.4	6.7	539	9.5	640	9.5	10.5	9.8	11.5	11.5	6.7
23	8.1	6.7	7.4	10.5	8.1	242	8.8	6.7	b 9.8	9.5	9.5	8.8
24	8.8	5.3	8.1	10.5	10.5	33	8.8	6.0	15.6	9.5	13.6	9.5
25	9.5	5.3	6.0	7.4	10.5	8.1	8.1	8.8	b 9.8	11.5	15.6	8.8
26	8.8	6.7	8.1	7.4	8.8	7.4	6.9	8.8	11.5	9.5	12.6	7.4
27	7.4	6.7	8.1	6.7	8.8	7.4	11.5	9.5	8.8	14.6	12.6	6.0
28	9.5	4.6	8.1	10.5	8.1	7.4	19.2	7.4	8.1	16.6	12.6	8.1
29	9.5	6.7	8.1	9.5	8.1	6.7	8.8	8.1	11.5	11.5	11.5	9.5
30	9.5	6.7	8.1	8.8		8.1	7.4	7.4	11.5	13.6	6.0	9.5
31	10.5		8.1	8.8		101		7.4		13.6	8.8	
	691.9	2191.4	578.7	1576.6	262.1	1428.7	521.3	275.5	537.9	317.5	399.5	291.6
MEAN	22.3	73.0	18.7	50.9	9.04	46.1	17.4	8.89	17.9	10.2	12.9	9.72
ACRE-FEET	1370.	4350.	1150.	3130	520.	2830.	1030.	547.	1070.	630.	792.	578.

Remarks:

YEAR OR PERIOD MEAN 24.8
ACRE-FEET 18,000.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F38B-R

Daily discharge, in second-feet of BALLONA CREEK at Sawtelle Boulevard for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9.5	4.6	8.8	6.7	9.5	11.5	577	10.5	10.5	10.5	7.4	12.6
2	10.5	6.7	8.1	5.3	8.1	10.5	580	9.5	9.5	15.1	11.5	15.6
3	9.5	7.4	9.5	5.3	8.1	10.5	626	10.5	9.5	8.8	12.6	16.6
4	11.5	6.7	8.1	6.7	8.1	10.5	166	10.5	11.5	7.4	13.6	14.6
5	12.6	6.7	6.0	7.4	211	10.5	9.5	10.5	8.8	8.1	13.6	25
6	13.6	8.8	7.4	8.9	94	8.1	8.9	10.5	8.1	10.5	14.6	32
7	11.5	6.7	7.4	280	4.6	85	54	12.6	11.5	11.5	11.5	13.6
8	11.5	6.0	8.8	7.4	6.7	9.5	1,560	8.8	11.5	9.5	11.5	13.6
9	10.5	668	8.1	5.3	7.4	6.7	1,590	8.1	9.5	10.5	15.6	13.6
10	9.5	281	8.8	4.6	8.1	6.7	36	11.5	9.5	8.1	14.6	15.6
11	7.4	11.5	7.4	6.7	8.1	24	12.6	11.5	9.5	7.4	27	12.6
12	10.5	23	8.1	6.7	7.4	100	105	10.5	9.5	10.5	14.6	9.5
13	11.5	6.0	5.3	6.7	7.4	332	31	12.6	6.7	9.5	15.6	13.6
14	11.5	5.3	6.7	8.1	6.0	58	14.6	13.6	8.8	10.5	15.6	12.6
15	16.8	3.9	8.1	8.1	8.1	123	13.6	8.1	8.8	10.5	12.6	12.6
16	9.8	6.7	8.1	6.7	8.8	7.4	9.5	7.4	9.5	11.5	15.6	12.6
17	8.1	185	7.4	6.0	13.6	7.4	8.1	9.5	9.5	9.5	16.6	23
18	6.7	8.8	10.5	8.1	10.5	7.4	6.7	9.5	10.5	8.8	15.6	180
19	7.4	10.5	376	9.5	9.5	7.4	10.5	9.5	8.8	9.5	14.6	f 24
20	9.5	7.4	612	7.4	8.1	7.4	10.5	10.5	6.0	9.5	16.6	f 12.6
21	9.5	6.0	23	7.4	7.4	5.3	10.5	10.5	8.1	10.5	12.6	8.8
22	8.1	6.0	8.8	8.1	10.5	8.1	12.6	8.1	8.8	10.5	10.5	8.8
23	8.1	8.1	9.5	10.5	16.6	8.1	13.6	9.5	9.1	10.5	13.6	10.5
24	8.1	8.1	7.4	186	11.5	7.4	11.5	15.6	9.5	8.1	12.6	10.5
25	5.5	7.4	4.6	6.7	10.5	8.3	10.1	13.6	12.6	6.7	12.6	9.5
26	7.4	4.6	5.3	8.1	9.5	8.8	13.6	11.5	8.8	10.5	13.6	8.1
27	31	5.3	483	8.1	7.4	8.1	12.6	11.5	11.5	10.5	13.6	9.5
28	f 27	6.7	37	8.1	8.1	7.4	12.6	11.5	10.5	10.5	12.6	10.5
29	f 176	6.0	8.1	8.1		10.5	12.6	13.6	9.5	11.5	8.8	10.5
30	8.1	8.1	8.1	7.4		13.6	12.6	8.8	10.5	15.6	13.6	11.5
31	6.0		7.4	6.7		676		10.5		9.5	12.6	
	503.2	1337.0	1737.8	676.7	534.6	1,605.6	5,551.8	330.4	285.4	311.6	427.6	584.1
MEAN	16.2	44.4	55.7	21.8	19.1	51.8	185.	10.7	9.5	10.0	13.8	19.5
ACRE-FEET	998.	2,650.	3,450.	1,340.	1,060.	3,180.	11,010.	655.	566.	618.	848.	1,160.

Remarks:

YEAR OR PERIOD MEAN 38.0
ACRE-FEET 27,540.

STATION F120B-R
BIG DALTON CREEK below Big Dalton Dam

LOCATION: LAT. 34°10'08", LONG. 117°48'34", ON THE RIGHT (WEST) BANK, ABOUT 400 FEET BELOW THE OLD TOE WALL ON THE DOWNSTREAM SIDE OF BIG DALTON DAM AND ABOUT 5 MILES NORTHEAST OF GLENDORA. ELEVATION OF ZERO GAGE HEIGHT, 1539.63 FEET.

DRAINAGE AREA: 4.8 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - GRAVEL AND ROCK LINED WITH WILLOWS. CONTROL CONCRETE BROAD-CRESTED WEIR COMPLETED DECEMBER 23, 1948.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

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

DIVERSIONS: NONE.

RECORDS AVAILABLE: RESERVOIR OUTFLOW RECORDS FROM OCTOBER 1929 TO JUNE 3, 1940. RECORDER RECORDS FROM JUNE 3, 1940 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 2.2 SECOND-FEET, JANUARY 22.
MINIMUM: NO FLOW MOST OF YEAR.
1964-65
MAXIMUM: 19.6 SECOND-FEET, APRIL 26.
MINIMUM: NO FLOW MOST OF YEAR.
1940-65
MAXIMUM: 111 SECOND-FEET, MARCH 4, 1943.
MINIMUM: NO FLOW PART OF EACH YEAR.

ACCURACY: POOR.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F120-R

Daily discharge, in second-feet of BIG DALTON CREEK below Big Dalton Dam, for the year ending September 30, 19 64

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	+	18.0	0	0	0	0	0
2	0	0	0	0	0		17.5	0	0	0	0	0
3	0	0	0	0	0		17.8	0	0	0	0	0
4	0	0	0	0	0		17.4	+	0	0	0	0
5	0	0	0	0	0	+	16.9	+	0	0	0	0
6	0	0	0	0	+	0	10.9	+	0	0	0	0
7	0	0	0	0		0	0	0	0	0	0	0
8	0	0	0	0		0	0	0	0	0	0	0
9	0	0	0	0		0	+	0	0	0	0	0
10	0	0	0	0		+	+	0	0	0	0	0
11	0	0	0	0	+	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	+	+	+	0	0	0	0	0
14	0	0	0	0	+	0	0	0	0	0	0	0
15	0	0	0	0	+	0	+	0	0	0	0	0
16	0	0	0	0	0	0	+	0	0	0	0	0
17	0	0	0	0	+	0	+	0	0	0	0	0
18	0	0	0	0		+	0	0	0	0	0	0
19	0	0	0	0			0	0	0	0	0	0
20	0	+	0	0	+		+	0	0	0	0	0
21	0	0	0	0.1			+	0	0	0	0	2.1
22	0	0	0	0.1			+	0	0	0	0	5.8
23	0	0	0	0			0	0	0	0	0	5.6
24	0	0	0	0			+	0	0	0	0	5.6
25	0	0	0	0			0	0	0	0	0	1.6
26	0	0	0	0			0	0	0	0	0	0
27	0	0	0	0		+	+	0	0	0	0	0
28	0	0	0	0		0	+	0	0	0	0	0
29	0	0	0	0	+	0	+	0	0	0	0	0
30	0	0	0	0		11.7	0	0	0	0	0	0
31	0		0	0		18.0		0		0	0	
	0	+	0	0.2	+	29.7	98.6	+	0	0	0	20.7
MEAN	0	+	0	0.01	+	0.96	3.28	+	0	0	0	0.69
ACRE-FEET	0	+	0	0.4	+	59.	196.	+	0	0	0	41.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.41
ACRE-FEET 296.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F120B-R

Daily discharge, in second-feet of BIG DALTON CREEK below Big Dalton Dam, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	+	17.5	0	0	0	0
2	0	0	0	0	0	0	0.1	5.7	0	0	0	0
3	0	0	0	0	0	0	+	+	0	0	0	0
4	0	0	0	0	0	0	+	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	+	0	0	0	0	0
9	0	0	0	0	0	0	0.8	0	0	0	0	0
10	0	0	0	0	0	0	1.1	0	0	0	0	0
11	0	0	0	0	0	0	0.5	0	0	0	0	0
12	0	0	0	0	0	0	0.2	0	0	+	0	0
13	0	0	0	0	0	0	0.1	0	0	0	0	0
14	0	0	0	0	0	0	0.1	0	0	0	0	0
15	0	0	0	0	0	0	+	0	0	0	0	0
16	0	0	0	0	0	0	+	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	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	10.0	0	0	0	0	0
27	0	0	0	0	0	0	19.5	0	0	0	0	0
28	0	0	0	0	0	0	19.0	0	0	0	0	0
29	0	0	0	0		0	19.5	0	0	0	0	0
30	0	0	0	0		0	13.0	0	0	0	0	0
31	0		0	0		+		0		0	0	
	0	0	0	0	0	+	87.9	23.2	0	+	0	0
MEAN	0	0	0	0	0	+	2.93	0.75	0	+	0	0
ACRE-FEET	0	0	0	0	0	+	174.	46	0	+	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.30
ACRE-FEET 220.

STATION F202–R
BIG DALTON WASH at Sierra Madre Avenue

LOCATION: LAT. 34°08'49", LONG. 117°50'13", ON THE RIGHT (WEST) BANK OF CHANNEL, 74 FEET UPSTREAM OF SIERRA MADRE AVENUE ABOUT ONE MILE NORTHEAST OF GLENDORA. ELEVATION OF ZERO GAGE HEIGHT, 990.75 FEET.

DRAINAGE AREA: 11.0 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL – RECTANGULAR CONCRETE 20 FEET WIDE AND 10 FEET DEEP. BOTTOM IS WARPED 0.33 FOOT TOWARD STATION. CHANNEL FORMS CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

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

DIVERSIONS: NONE AFTER 1961.

RECORDS AVAILABLE: DECEMBER 27, 1951 TO MAY 8, 1959 AND MARCH 1, 1960 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:

1963–64
- MAXIMUM: 2.7 SECOND–FEET OCTOBER 16.
- MINIMUM: NO FLOW AT VARIOUS TIMES.

1964–65
- MAXIMUM: 1.9 SECOND–FEET APRIL 3.
- MINIMUM: NO FLOW MOST OF YEAR.

1951–65
- MAXIMUM: 84 SECOND–FEET JANUARY 22, 1962.
- MINIMUM: NO FLOW MOST OF EVERY YEAR.

ACCURACY: FAIR.

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

75D74M Cdb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F202–R

Daily discharge, in second-feet of BIG DALTON WASH at Sierra Madre Avenue, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0.2	+	0	0	0	0
2	0	0	0	0	0	0.1	+	+	0	0	0	0
3	0	+	0	0	0	0	0	0	0	0	0	0
4	0	+	0	0	0	0	0	+	0	0	0	0
5	0	0	0	0	0	0	+	+	0	0	0	0
6	0	0.2	0	0	0	0	+	+	0	0	0	0
7	0	+	0	0	0	0	0.7	0	0	0	0	0
8	0	+	0	0	0	0	0.7	0	0	0	0	0
9	0	+	+	0	0	0	0.5	0	+	0	0	0
10	0	0	+	0	0	0	0.5	0	0	0	0	0
11	0	0	0	0	0	0	0.7	0	0	0	0	0
12	0	0	0	0	0	0.1	0.7	0	0	0	0	0
13	0	0	0	0	0	+	0.2	0	0	0	0	0
14	0	0	0	0	0		+	0	0	0	0	0
15	0	0.2	0	0	0		0	0	0	0	0	0
16	0.3	+	0	0	0	+	+	0	0	0	0	0
17	+	0	0	0	0	0		0	0	0	0	0
18	+	+	0	+	0	0		0	0	0	0	+
19	+	0.1	0	0	0	0	+	0	0	0	0	0
20	0	0.6	0	0	0	0	0	0	0	0	0	0
21	0	+	0	0.2	0	+	0	0	0	0	0	0.02
22	0		0	0.2	0	0.2	0	0	0	0	0	0.2
23	0		0	0	0	0.2	+	0	0	0	0	0.01
24	0		0	0	0	+	0	0	0	0	0	0.01
25	0	+	0	0	+	0	0	0	0	0	0	0.01
26	0	0	0	0	0	0	0	0	0	0	0	0.01
27	0	0	0	0	0	0	0	0	0	0	0	0.01
28	0	0	0	0	0	0	+	+	0	0	0	0.01
29	0	0	0	0	+	0	+	0	0	0	0	+
30	0	0	0	0		+	0	0	0	0	0	0
31	0		0	0		+		0		0	0	
	0.3		+		+		4.2		+		0	
		1.1		0.4		0.6		+		0		0.28
MEAN	0.01	0.04	+	0.01	+	0.02	0.14	+	+	0	0	0.01
ACRE-FEET	0.6	2.2	+	0.8	+	1.2	8.3	+	+	0	0	0.6

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.02
ACRE-FEET 14.

7SD74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F202-R

Daily discharge, in second-feet of BIG DALTON WASH at Sierra Madre Avenue, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	+	0	0	0	0	0.4	0.03	0.04	0	0	0
2	0	0	0	0	0	0	0.1	0.03	0.04	0	0	0
3	0	0	0	0	0	0	0.2	0.08	0.04	0	0	0
4	0	0	0	0	0	0	0.03	0.06	0.03	0	0	0
5	0	0	0	0	0.02	0	+	0.06	0.03	0	0	+
6	0	0	0	0	0.03	+	+	0.04	0.03	0	0	+
7	0	0	0	0.1	0	+	0.03	0.02	0.04	0	0	0
8	0	0	0	0	0	0	0.2	0.01	0.03	0	0	0
9	0	0.04	0	0	0	0	0.1	0.01	0.02	0	0	0
10	0	0.1	0	0	0	0	+	0.02	0.02	0	0	0
11	0	0.01	0	0	0	0	+	0.02	0.01	0	0	0
12	0	0.02	0	0	0	+	0.03	0.02	0.01	0	0	0
13	0	0.01	0	0	0	0.04	0.03	0.02	0.01	0	0	0
14	0	0	0	0	0	0	0.03	0.02	0.01	+	0	0
15	0	0	0	0	0	0.03	0.03	0.01	0.01	0	0	0
16	0	0	0	0	0	0	0.03	0	0.01	0	0	+
17	0	0.1	0	0	0	0	0.02	0	+	0	0	|
18	0	0.01	+	0	0	0	0.02	0		0	0	|
19	0	0	0.01	0	0	0	0.02	0		0	0	+
20	0	0	0.05	0	0	0	0.02	0		0	0	0
21	0	0	0	0	0	0	0.02	0		0	0	0
22	0	0	0	0	0	0	0.02	0		0	0	0
23	0	0	0	0	0	0	0.02	+		0	0	0
24	0	0	0.01	0.1	0	0	0.02	0.05	+	0	0	0
25	0	0	0	0	0	0	0.01	0.05	0.02	0	0	0
26	0	0	0	0	0	0	0.01	0.05	0.01	0	0	0
27	0	0	0.3	0	+	0	0.04	0.04	0.01	0	0	0
28	0	0	0.04	0	0	0	0.04	0.04	0.01	0	0	0
29	+	0	0	0		0	0.04	0.04	0	0	0	0
30	0	0	0	0		0	0.04	0.04	0	+	0	0
31	0		0	0		0.2		0.04		0		
	+		0.41		0.05		1.55		0.43		0	
		0.29		0.2		0.27		0.80		+		+
MEAN	+	0.01	0.01	0.01	+	0.01	0.05	0.03	0.01	+	0	+
ACRE-FEET	+	0.6	0.8	0.4	0.1	0.5	3.1	1.6	0.8	+	0	+

Remarks: + = 0.01 CFS OR LESS

YEAR OR PERIOD MEAN 0.01
ACRE-FEET 7.9

STATION F274B-R
DALTON WASH at Merced Avenue

LOCATION: LAT. 34°04'29", LONG. 117°57'47", ON THE RIGHT (WEST) BANK AND UPSTREAM OF MERCED AVENUE ABOUT 150 FEET, ABOUT ONE-HALF MILE ABOVE THE JUNCTION WITH WALNUT WASH AND ABOUT ONE MILE SOUTH OF BALDWIN PARK. ELEVATION OF ZERO GAGE HEIGHT 348.26 FEET.

DRAINAGE AREA: 36.0 SQUARE MILES, NOT INCLUDING THE AREA ABOVE PUDDINGSTONE DIVERSION DAM.

CHANNEL AND CONTROL: CHANNEL – RECTANGULAR CONCRETE CHANNEL 60 FEET WIDE BY 15 FEET DEEP WITH 0.5-FOOT WARP OF CHANNEL BOTTOM AT STATION.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM FOOTBRIDGE 100 FEET UPSTREAM FROM STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: PARTIALLY REGULATED BY BIG DALTON DAM, SAN DIMAS DAM, PUDDINGSTONE DIVERSION DAM, BIG DALTON SPREADING GROUNDS, LITTLE DALTON SPREADING GROUNDS, BIG DALTON DEBRIS BASIN, LITTLE DALTON DEBRIS BASIN, AND IRWINDALE SPREADING GROUNDS.

DIVERSIONS: CALIFORNIA CITIES WATER COMPANY (FORMERLY SAN DIMAS WATER COMPANY) AND SAN DIMAS LAND AND WATER COMPANY DIVERT FLOW FROM SAN DIMAS CREEK.

RECORDS AVAILABLE: NOVEMBER 11, 1940 TO SEPTEMBER 30, 1958 AT STATION F274-R AND FROM OCTOBER 1, 1958 TO SEPTEMBER 30, 1965 AT STATION F274B-R.

EXTREMES OF DISCHARGE:

1963-64
MAXIMUM: 1530 SECOND-FEET JANUARY 21-22.
MINIMUM: 0.1 SECOND-FOOT JULY 6.

1964-65
MAXIMUM: 2800 SECOND-FEET APRIL 9.
MINIMUM: 0.1 SECOND-FOOT AUGUST 29.

1940-65
MAXIMUM: 4270 SECOND-FEET NOVEMBER 20, 1961.
MINIMUM: NO FLOW PART OF SOME YEARS.

ACCURACY: GOOD.

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

76D14M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F274B-R

Daily discharge, in second-feet of DALTON WASH at Merced Ave., for the year ending September 30, 19 64

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.2	2.0	2.4	2.0	1.2	3.1	35	2.4	0.2	0.2	0.4	0.6
2	2.4	1.8	2.2	2.0	1.2	30	6.0	2.4	0.2	0.2	0.4	0.6
3	2.4	4.9	2.2	2.0	1.4	2.0	3.8	2.4	0.2	0.2	0.4	1.0
4	2.2	2.0	2.4	1.8	1.6	1.6	2.2	4.9	0.3	0.2	0.8	1.0
5	1.8	3.8	3.1	1.6	2.2	2.4	2.2	4.6	0.2	0.4	0.4	1.0
6	0.8	27	2.4	1.8	2.2	3.8	2.2	3.8	0.2	0.1	0.8	0.4
7	1.0	1.8	1.6	1.6	2.2	2.4	2.0	1.4	0.2	0.2	0.8	0.4
8	2.0	3.8	1.8	1.6	2.4	2.2	1.6	1.2	0.2	0.4	0.8	0.4
9	2.0	6.0	2.0	1.4	3.1	2.2	1.8	2.4	10.3	0.2	0.8	0.6
10	2.0	4.6	2.0	2.4	2.4	2.0	2.0	0.6	1.4	0.2	0.8	0.6
11	3.8	3.8	2.0	1.6	2.2	2.4	3.1	1.0	0.4	0.4	0.8	0.4
12	2.4	4.6	2.2	1.2	1.2	22	1.2	1.4	0.4	1.2	0.8	0.4
13	3.1	3.1	2.2	1.2	1.2	8.2	2.2	0.6	0.3	0.6	0.8	0.4
14	2.0	2.2	2.2	1.0	1.8	7.4	1.8	0.4	0.3	0.2	0.4	0.4
15	2.2	16.3	1.8	1.0	1.8	2.2	1.8	0.4	0.3	0.2	0.4	0.4
16	27	1.2	2.0	1.0	2.0	0.8	3.8	0.8	0.3	0.3	0.4	0.4
17	3.8	2.2	2.4	1.0	1.8	1.2	2.2	0.6	0.3	0.3	0.4	0.4
18	3.1	2.4	2.2	2.3	1.8	1.4	3.1	0.6	0.3	1.0	0.4	0.4
19	2.0	9.0	2.0	14.0	1.6	1.4	14.1	0.6	0.2	2.4	0.4	0.4
20	2.0	149	1.8	6.7	1.2	0.6	3.8	0.6	0.2	1.2	0.4	0.4
21	1.2	1.6	1.8	169	1.6	0.4	1.6	0.4	0.2	0.3	0.6	0.4
22	1.4	1.4	1.8	141	2.2	118	1.8	0.3	0.2	0.4	0.4	0.4
23	2.0	1.2	2.0	4.6	2.2	41	5.3	0.4	0.2	0.4	0.4	0.4
24	2.0	1.6	2.0	1.8	2.0	3.0	1.4	0.4	0.2	0.8	0.6	0.4
25	1.6	1.8	2.0	0.8	4.9	2.4	1.0	0.4	0.2	0.4	0.6	0.4
26	1.8	1.8	2.4	0.6	3.8	2.2	1.0	0.4	0.2	0.3	0.6	0.4
27	1.6	1.8	2.2	0.6	2.2	2.0	2.2	0.4	0.3	0.4	0.4	0.4
28	2.0	2.0	1.8	0.8	2.2	1.6	18.3	0.4	0.2	0.4	0.4	0.4
29	2.4	1.8	2.0	0.6	6.8	1.0	3.1	0.4	0.3	0.4	0.3	0.4
30	3.8	1.8	2.2	0.4		1.6	3.1	0.3	0.2	0.4	0.4	0.8
31	3.1		2.0	0.6		14.2		0.4		0.4	0.4	
	93.1	268.3	65.1	370.0	64.4	286.7	134.7	37.3	18.6	14.7	16.7	15.0
MEAN	3.00	8.94	2.10	11.9	2.22	9.25	4.49	1.20	0.62	0.47	0.54	0.50
ACRE-FEET	184.	532.	129.	734.	128.	569.	267.	74.	37.	29.	33.	30.

Remarks:

YEAR OR PERIOD MEAN 3.78
YEAR OR PERIOD ACRE-FEET 2750.

76D14M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F274B-R

Daily discharge, in second-feet of DALTON WASH at Merced Avenue, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.3	0.8	1.0	0.2	0.6	0.8	168	3.2	5.2	0.4	0.2	0.3
2	1.9	0.8	0.6	0.1	1.6	1.0	78	3.2	5.3	0.6	0.2	0.6
3	1.3	1.6	0.4	0.1	0.8	1.0	59	11.3	6.4	0.3	0.3	1.0
4	1.0	1.6	0.4	0.8	0.4	1.0	13.5	3.2	3.7	0.3	0.2	0.4
5	1.6	1.0	0.2	2.7	2.5	0.6	1.6	2.7	1.0	0.3	0.3	0.6
6	1.6	2.7	0.3	2.7	13.4	1.3	1.6	2.7	1.6	0.2	0.4	1.9
7	2.3	0.6	0.2	24	0.4	12.7	11.2	2.7	0.6	0.2	0.2	0.4
8	2.3	0.6	0.2	2.7	1.6	1.9	136	2.7	0.2	0.2	0.1	0.4
9	1.6	14.6	0.3	1.6	2.3	1.3	290	2.7	0.2	0.2	0.1	0.6
10	1.3	31	0.6	1.6	0.8	1.3	6.8	2.7	0.2	0.2	0.2	0.4
11	1.0	3.2	0.8	1.3	0.4	1.0	2.3	2.3	0.2	0.2	0.3	0.4
12	0.8	3.7	1.6	0.4	0.3	1.3	2.3	3.2	0.2	0.4	0.3	0.4
13	1.3	2.3	1.6	0.4	0.4	18.8	2.3	3.2	0.2	0.2	0.4	0.4
14	2.7	1.0	1.6	0.3	0.3	3.2	2.3	3.2	0.2	0.3	0.3	0.4
15	2.7	0.8	1.6	0.8	0.2	15.4	1.6	2.7	0.2	0.2	0.2	0.4
16	1.0	0.3	1.9	0.4	0.4	3.7	1.0	2.3	0.2	0.2	0.3	0.3
17	0.6	47	0.4	0.2	0.4	1.9	1.0	2.7	0.3	8.5	0.4	1.0
18	0.4	1.9	0.6	0.3	0.3	6.0	1.3	2.3	0.2	0.2	0.3	3.7
19	1.3	0.3	1.9	0.6	0.6	9.1	1.6	3.7	0.2	0.2	0.3	7.4
20	1.9	0.2	23	0.6	1.0	7.9	1.9	5.2	0.2	0.2	0.8	0.2
21	1.6	0.6	1.6	1.0	0.8	7.9	2.3	2.7	0.2	0.2	0.3	0.2
22	1.6	0.4	0.4	1.3	1.0	5.2	3.2	2.7	0.3	0.3	0.2	0.2
23	3.2	1.9	0.8	0.3	1.0	1.9	3.7	3.2	0.2	0.3	0.2	0.2
24	1.6	0.8	0.6	17.7	1.6	2.3	2.7	6.0	0.2	0.2	0.2	0.3
25	0.4	0.8	0.2	0.8	1.0	1.9	2.7	3.2	1.7	0.2	0.2	0.2
26	0.4	1.6	0.4	0.6	1.0	1.6	2.7	3.2	0.2	0.3	0.2	0.2
27	1.0	0.4	68	1.3	1.6	0.8	2.7	2.7	0.2	0.2	0.3	0.2
28	1.0	0.6	11.9	0.4	1.9	1.3	2.7	2.7	0.2	0.3	0.2	0.2
29	10.7	0.3	3.2	0.3		1.6	1.3	3.2	0.2	0.4	0.2	0.3
30	2.3	0.3	0.4	0.4		3.2	2.3	3.7	0.2	21	0.2	0.2
31	2.3		0.6	0.2		54		6.9		0.2	0.2	
	56.0	123.7	127.3	66.1	38.6	172.9	809.6	108.1	30.1	37.1	8.2	23.4
MEAN	1.81	4.12	4.11	2.13	1.38	5.58	27.0	3.49	1.00	1.20	0.26	0.78
ACRE-FEET	1.11	245.	252.	131.	77.	343.	1,600.	214.	60.	74.	16.	46.

Remarks:

YEAR OR PERIOD MEAN 4.39
YEAR OR PERIOD ACRE-FEET 3,170.

STATION U14–R

BIG ROCK CREEK above Mouth of Canyon

LOCATION: LAT. 34°25'15", LONG. 117°50'19", ON LEFT BANK 0.1 MILE UPSTREAM FROM PUNCHBOWL CANYON AND 0.9 MILE SOUTHWEST OF VALYERMO. ALTITUDE OF GAGE ABOUT 4050 FEET.

DRAINAGE AREA: 23.0 SQUARE MILES.

RECORDS AVAILABLE: JANUARY 1923 TO SEPTEMBER 1937; MAY 1938 TO SEPTEMBER 1965.

AVERAGE DISCHARGE: 42 YEARS (1923–37, 1938–65) 14.6 SECOND–FEET.

EXTREMES OF DISCHARGE:

1963–64
- MAXIMUM: 13 SECOND–FEET NOVEMBER 20 (GAGE HEIGHT 1.80 FEET).
- MINIMUM: 1.8 SECOND–FEET SEPTEMBER 16–30.

1964–65
- MAXIMUM: 46 SECOND–FEET APRIL 26 (GAGE HEIGHT 2.30 FEET).
- MINIMUM: 1.6 SECOND FEET VARIOUS DAYS IN OCTOBER.

1923–65
- MAXIMUM: 8300 SECOND–FEET MARCH 2, 1938, BY SLOPE–AREA METHOD.
- MINIMUM: 0.7 SECOND–FOOT NOVEMBER 5, 1951.

REMARKS: RECORDS GOOD. NO DIVERSIONS ABOVE STATION.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY; SIXTY–THREE DISCHARGE MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

78D74M C(b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U14–R

Daily discharge, in second-feet of BIG ROCK CREEK above Mouth of Canyon for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.9	2.8	3.6	4.4	3.6	3.8	3.7	8.3	5.9	3.8	2.7	2.4
2	1.9	2.8	3.4	4.2	3.6	3.8	8.0	8.3	5.9	3.8	2.7	2.4
3	1.9	2.8	3.4	4.0	3.6	3.8	6.4	8.3	5.9	3.8	2.7	2.2
4	1.9	2.8	3.6	4.0	3.6	3.6	5.9	8.3	5.7	3.8	2.7	2.2
5	1.9	2.8	3.6	3.8	3.6	3.6	5.6	8.0	5.7	3.8	2.7	2.2
6	1.9	2.8	3.8	3.8	3.8	3.6	5.4	8.0	5.7	3.6	2.7	2.1
7	1.9	2.8	4.0	3.6	3.8	3.6	5.6	8.0	5.7	3.6	2.7	2.1
8	1.9	2.8	4.0	3.4	3.8	3.6	4.9	7.7	5.7	3.6	2.7	2.1
9	2.1	2.8	5.4	3.4	3.8	3.6	4.9	7.7	5.7	3.6	2.5	1.9
10	2.1	2.8	4.9	3.4	3.8	3.6	5.2	7.7	5.7	3.4	2.5	1.9
11	2.1	2.8	4.9	3.4	3.8	3.4	5.6	8.0	5.4	3.4	2.4	1.9
12	2.2	3.0	4.9	3.4	3.6	3.4	5.6	8.0	5.4	3.4	2.4	1.9
13	2.2	3.0	4.7	3.2	3.6	3.4	5.6	8.0	5.4	3.4	2.4	1.9
14	2.2	3.2	4.4	3.2	3.6	3.2	5.6	8.0	5.2	3.2	2.4	1.9
15	2.2	3.8	4.4	3.2	3.8	3.2	5.9	7.7	5.2	3.2	2.4	1.9
16	2.4	4.0	4.4	3.2	3.8	3.4	6.2	7.7	5.2	3.2	2.4	1.8
17	2.5	4.2	4.4	3.2	3.8	3.4	6.4	7.4	5.2	3.2	2.4	1.8
18	2.5	4.0	4.4	3.2	4.0	3.4	6.7	7.4	4.9	3.0	2.4	1.8
19	2.5	4.0	4.4	3.2	4.0	3.4	7.0	7.0	4.9	3.0	2.4	1.8
20	2.5	6.7	4.4	3.2	4.0	3.4	7.0	7.0	4.9	2.8	2.4	1.8
21	2.5	5.7	4.4	3.6	4.0	3.4	7.4	7.0	4.7	2.8	2.2	1.8
22	2.5	4.9	4.7	3.6	4.0	3.6	7.4	6.7	4.4	2.8	2.2	1.8
23	2.5	4.7	4.7	3.6	3.8	3.8	7.4	6.7	4.2	2.8	2.2	1.8
24	2.5	4.4	4.7	3.6	3.8	3.8	7.7	6.7	4.0	2.8	2.2	1.8
25	2.5	4.2	4.7	3.6	3.8	3.8	7.7	6.7	4.0	2.8	2.2	1.8
26	2.5	4.2	4.7	3.6	3.8	3.8	7.7	6.4	4.0	2.8	2.2	1.9
27	2.5	4.0	4.7	3.6	3.8	3.8	7.7	6.4	4.0	2.8	2.2	1.8
28	2.5	3.8	4.4	3.6	3.8	3.8	8.0	6.4	4.0	2.8	2.2	1.8
29	2.5	3.8	4.4	3.8	3.8	3.8	8.0	6.4	4.0	2.8	2.2	1.8
30	2.8	3.6	4.4	3.8		3.8	8.3	6.2	4.0	2.7	2.2	1.8
31	2.8		4.4	3.6		4.7		5.9		2.7	2.4	
	70.8	110.0	135.2	110.4	109.6	112.3	200.5	228.0	150.6	99.2	75.0	58.0
MEAN	2.26	3.67	4.36	3.56	3.78	3.62	6.68	7.35	5.02	3.20	2.42	1.93
ACRE-FEET	140.	218.	268.	219.	217.	223.	398.	452.	299.	197.	149.	115.

Remarks:

YEAR OR PERIOD MEAN 3.99

ACRE-FEET 2,900.

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U14-R

Daily discharge, in second-feet of BIG ROCK CREEK above Mouth of Canyon, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.8	1.8	1.9	4.4	3.4	3.0	5.2	29	9.3	6.7	4.6	3.6
2	1.8	1.8	1.9	4.2	3.4	3.0	5.4	25	9.3	6.4	4.4	3.6
3	1.8	1.8	1.9	4.0	3.4	3.0	4.4	21	9.3	6.4	4.4	3.6
4	1.8	1.8	1.9	3.8	3.4	3.0	4.0	18	9.0	6.4	4.4	3.6
5	1.6	1.8	1.9	3.6	3.4	3.0	3.8	16	9.0	6.2	4.2	3.8
6	1.6	1.8	1.9	3.4	3.4	3.0	3.6	16	9.0	6.2	4.2	3.8
7	1.6	1.8	1.9	3.4	3.4	3.0	3.6	15	9.0	6.2	4.2	3.8
8	1.6	1.9	1.9	3.4	3.4	3.0	4.6	14	9.0	6.2	4.0	3.8
9	1.6	1.9	1.9	3.4	3.4	3.0	5.4	13	9.0	5.9	4.0	3.8
10	1.6	1.9	1.9	3.2	3.4	3.0	5.9	12	9.0	5.6	4.0	3.8
11	1.6	1.9	1.9	3.2	3.4	3.0	5.2	12	9.0	5.4	4.0	3.8
12	1.6	1.9	1.9	3.2	3.4	3.0	4.9	11	9.0	5.2	4.2	3.8
13	1.6	1.9	1.9	3.4	3.2	3.0	4.6	11	9.0	5.2	4.0	3.8
14	1.8	1.9	1.9	3.2	3.2	3.0	4.4	11	9.0	5.2	4.0	3.8
15	1.8	1.9	2.0	3.2	3.2	3.0	4.2	11	9.3	5.2	4.0	3.8
16	1.8	1.9	2.0	3.2	3.2	2.8	4.4	11	9.0	5.2	4.0	3.8
17	1.8	2.0	2.0	3.2	3.0	2.8	6.7	11	8.6	5.4	4.0	3.8
18	1.8	2.0	2.0	3.2	3.0	2.8	9.0	12	8.3	5.4	4.0	4.0
19	1.8	2.0	2.2	3.2	3.0	2.8	13	12	8.3	5.4	3.9	4.0
20	1.8	2.0	2.2	3.2	3.0	2.8	23	12	8.0	5.4	3.9	3.8
21	1.8	2.0	2.2	3.2	3.0	2.8	29	12	7.7	5.4	3.8	3.6
22	1.6	2.0	2.4	3.2	3.0	2.8	32	12	7.4	5.2	3.8	3.6
23	1.6	2.0	2.5	3.2	3.0	2.8	32	12	7.4	5.2	3.7	3.6
24	1.6	2.0	2.6	3.4	3.0	2.8	32	11	7.4	5.2	3.7	3.6
25	1.6	2.0	3.2	3.4	3.0	2.8	36	11	7.4	5.2	3.7	3.6
26	1.6	2.0	3.5	3.4	3.0	2.8	38	11	7.0	4.9	3.6	3.6
27	1.6	2.0	3.8	3.4	3.0	3.0	36	11	7.0	4.9	3.6	3.6
28	1.8	2.0	4.5	3.4	3.0	3.2	35	10	7.0	4.9	3.6	3.6
29	1.8	2.0	4.9	3.4		3.2	33	10	6.7	4.9	3.6	3.6
30	1.8	1.9	4.4	3.4		3.2	32	10	6.7	4.9	3.6	3.6
31	1.8		4.4	3.4		3.6		9.3		4.9	3.6	
	52.8	57.6	77.5	105.8	89.6	92.0	460.3	412.3	250.1	170.8	122.7	111.6
MEAN	1.70	1.92	2.50	3.41	3.20	2.97	15.3	13.3	8.34	5.51	3.96	3.72
ACRE-FEET	105.	114.	154.	210.	178.	182.	913.	818.	496.	339.	243.	221.

Remarks:

YEAR OR PERIOD MEAN 5.49
ACRE-FEET 3,970.

STATION F111C-R
BIG TUJUNGA CREEK below Mill Creek

LOCATION: LAT. 34°18'33", LONG. 118°08'40", ON LEFT (EAST) BANK ABOUT 500 FEET BELOW JUNCTION WITH MILL CREEK ABOUT 12 MILES NORTH OF LA CANADA. ELEVATION OF GAGE ABOUT 2650 FEET. FORMER STATIONS F111-R AND F111B-R WERE LOCATED ABOUT 1.3 MILES DOWNSTREAM.

DRAINAGE AREA: 64.9 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATIONS: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE:
AT STATION F111-R - NOVEMBER 30, 1930 TO AUGUST 17, 1932.
AT STATION F111B-R - SEPTEMBER 15, 1932 TO MAY 18, 1950.
AT STATION F111C-R - JANUARY 16, 1948 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 93 SECOND-FEET APRIL 1.
MINIMUM: NO FLOW PART OF YEAR.
1964-65
MAXIMUM: 99 SECOND-FEET APRIL 19.
MINIMUM: NO FLOW PART OF YEAR.
1930-65 (F111-R, F111B-R AND F111C-R.
MAXIMUM: DISCHARGE NOT DETERMINED MARCH 2, 1938.
MAXIMUM: DISCHARGE OF RECORD 14800 SECOND-FEET JANUARY 23, 1943.
MINIMUM: NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD FOR LOW FLOWS; FAIR DURING STORM PERIODS.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F111C-R

Daily discharge, in second-feet of BIG TUJUNGA CREEK below Mill Creek, for the year ending September 30, 19 64

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0.3	0.6	0.8	1.7	1.6	55	2.6	0.4	+	0	0
2	+	0.3	0.6	0.8	1.6	1.9	18	2.5	0.3	+	0	0
3	+	0.3	0.6	0.8	1.6	1.7	7.3	2.4	0.4	0	0	0
4	+	0.3	0.6	0.8	1.6	1.5	5.5	2.4	0.4	0	0	0
5	+	0.3	0.6	0.8	1.6	1.5	4.7	2.5	0.4	0	0	0
6	+	0.8	0.6	0.8	1.6	1.5	4.2	2.5	0.4	0	0	0
7	+	0.7	0.6	0.8	1.5	1.5	3.7	2.4	0.4	0	0	0
8	+	0.6	0.6	0.8	1.5	1.4	3.4	2.1	0.6	0	0	0
9	+	0.6	0.6	0.8	1.5	1.4	3.2	2.0	0.6	0	0	0
10	+	0.4	0.7	0.9	1.4	1.4	3.0	1.9	0.6	0	0	0
11	+	0.4	0.7	0.9	1.4	1.4	2.8	1.9	0.6	0	0	0
12	+	0.4	0.7	0.9	1.4	1.5	2.7	1.7	0.4	0	0	0
13	+	0.4	0.7	0.9	1.4	1.6	2.6	1.7	0.4	0	0	0
14	0.1	0.4	0.7	0.9	1.3	1.4	2.4	1.7	0.3	0	0	0
15	0.2	0.6	0.7	0.9	1.3	1.4	2.2	1.6	0.3	0	0	0
16	0.6	0.6	0.7	0.9	1.4	1.3	2.2	1.6	0.3	0	0	0
17	0.4	0.4	0.7	0.9	1.4	1.2	2.2	1.7	0.3	0	0	0
18	0.4	0.4	0.7	0.9	1.3	1.2	2.7	1.7	0.3	0	0	0
19	0.3	0.5	0.7	1.0	1.2	1.3	3.0	1.2	0.3	0	0	0
20	0.2	5.6	0.7	1.0	1.2	1.3	2.6	1.1	0.3	0	0	0
21	0.2	0.9	0.7	8.8	1.2	1.3	2.4	1.0	0.2	0	0	0
22	0.2	0.6	0.7	13	1.2	3.0	2.2	0.9	0.2	0	0	0
23	0.2	0.6	0.8	4.0	1.3	5.1	2.2	1.0	0.1	0	0	0
24	0.2	0.6	0.8	2.7	1.4	4.2	2.2	0.9	0.1	0	0	0
25	0.2	0.6	0.8	2.4	1.5	3.6	2.1	0.9	+	0	0	0
26	0.2	0.6	0.8	2.2	1.5	3.4	2.1	0.9	+	0	0	0
27	0.2	0.6	0.8	2.1	1.5	3.4	2.0	0.9	+	0	0	0
28	0.2	0.6	0.8	2.0	1.5	3.1	3.1	1.0	+	0	0	0
29	0.2	0.6	0.8	1.8	1.7	3.0	3.2	0.9	+	0	0	0
30	0.2	0.6	0.8	1.8		2.8	3.0	0.7	+	0	0	0
31	0.2		0.8	1.8		3.5		0.6		0	0	
	4.4	20.6	21.7	59.9	41.7	65.4	157.9	48.9	8.6	+	0	0
MEAN	0.14	0.69	0.70	1.93	1.44	2.11	5.26	1.58	0.29	+	0	0
ACRE-FEET	8.7	41.	43.	119.	83.	130.	313.	97.	17.	+	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.17
ACRE-FEET 852.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F111C-R

Daily discharge, in second-feet of BIG TUJUNGA CREEK below Mill Creek, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.1	0.4	0.6	0.6	0.7	15	3.7	1.4	0.1	0	0
2	0	0.1	0.4	0.6	0.6	0.7	38	3.6	1.5	0.1	0	0
3	0	0.1	0.6	0.6	0.6	0.7	20	3.4	1.6	0.1	0	0
4	0	0.1	0.6	0.6	0.6	0.7	14	3.2	1.5	0.1	0	0
5	0	0.1	0.6	0.6	0.6	0.7	8.9	3.1	1.2	+	0	0
6	0	0.1	0.4	0.6	1.3	0.7	7.8	3.0	0.9		0	0
7	0	0.1	0.4	1.1	1.3	0.8	6.1	3.0	0.8		0	0
8	0	0.2	0.4	0.7	1.0	0.9	27	2.8	0.9		0	0
9	0	1.3	0.4	0.7	0.9	0.7	37	2.7	1.0		0	0
10	0	1.2	0.4	0.6	0.8	0.6	29	2.5	0.8		0	0
11	0	0.4	0.4	0.6	0.8	0.6	15	2.4	0.6		0	0
12	0	0.4	0.4	0.6	0.7	0.7	11	2.2	0.4		0	0
13	0	0.4	0.4	0.6	0.7	1.0	9.7	2.2	0.3	+	0	0
14	+	0.3	0.6	0.6	0.7	0.9	12	2.2	0.3	0	0	0
15		0.3	0.6	0.6	0.6	0.9	21	1.9	0.3	0	0	0
16		0.3	0.6	0.6	0.6	0.8	34	1.7	0.4	0	0	0
17		0.6	0.6	0.6	0.6	0.7	46	1.6	0.3	0	0	+
18		0.7	0.6	0.6	0.6	0.7	56	1.5	0.4	+	0	0.1
19		0.6	0.6	0.6	0.6	0.6	64	1.5	0.3	0	0	0.2
20		0.6	1.5	0.6	0.6	0.6	50	1.4	0.3	0	0	+
21		0.6	0.8	0.6	0.6	0.6	38	1.4	0.2	0	0	
22		0.4	0.6	0.6	0.6	0.6	32	1.5	0.2	0	0	
23	+	0.4	0.6	0.6	0.7	0.6	23	1.7	0.3	0	0	+
24	0.1	0.4	0.6	0.9	0.7	0.6	15	1.7	0.3	0	0	0
25	0.1	0.4	0.6	0.6	0.7	0.6	10	1.5	0.3	0	0	0
26	0.1	0.4	0.6	0.6	0.7	0.6	7.8	1.3	0.3	0	0	+
27	0.1	0.4	1.4	0.6	0.7	0.6	6.6	1.2	0.3	0	0	
28	0.1	0.4	1.3	0.6	0.7	0.6	5.5	1.0	0.2	0	0	
29	0.2	0.4	0.8	0.6		0.6	4.9	0.9	0.2	0	0	+
30	0.1	0.4	0.6	0.6		0.6	4.0	0.8	0.2	0	0	0
31	0.1		0.6	0.6		2.4		1.0		0	0	
	0.9	12.2	19.4	19.6	20.2	23.1	668.2	63.6	18.2	0.4	0	0.3
MEAN	0.03	0.41	0.63	0.63	0.72	0.75	22.3	2.05	0.61	0.01	0	0.01
ACRE-FEET	1.8	24.	38.	39.	40.	46.	1,330.	126.	36.	0.8	0	0.6

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.32
ACRE-FEET 1,680.

STATION F168–R
BIG TUJUNGA CREEK below Big Tujunga Dam

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

DRAINAGE AREA: 82.7 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW REGULATED BY BIG TUJUNGA DAM.

DIVERSIONS: NONE.

RECORDS AVAILABLE: STREAM MEASUREMENTS FROM DECEMBER 8, 1931 TO NOVEMBER 7, 1932 AND JANUARY 20, 1938 TO MAY 29, 1938; RECORDER RECORDS FROM NOVEMBER 8, 1932 TO JANUARY 13, 1938 AND FROM MAY 31, 1938 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963–64
MAXIMUM: 51 SECOND–FEET AUGUST 26.
MINIMUM: NO FLOW DECEMBER 22 TO JANUARY 20.
1964–65
MAXIMUM: 12.4 SECOND–FEET MAY 10.
MINIMUM: PLUS FLOW VARIOUS TIMES.
1932–65
MAXIMUM: 33,000 SECOND–FEET, ESTIMATED MARCH 2, 1938.
MINIMUM: NO FLOW AT VARIOUS TIMES IN 1936, 1961, AND 1964.

ACCURACY: GOOD FOR LOW FLOWS AND FAIR FOR HIGH FLOWS.

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

78D14M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F168–R

Daily discharge, in second-feet of BIG TUJUNGA CREEK below Big Tujunga Dam, for the year ending September 30, 19 64

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.2	5.3	+	0	+	+	0.6	0.1	6.5	6.2	a 9.5	0.8
2	6.2	5.0		0			0.3	0.1	6.5	6.2	9.5	0.7
3	6.2	5.0		0			0.3	0.1	6.5	6.2	9.1	0.6
4	6.2	5.0		0			0.3	0.1	6.5	6.2	9.1	0.6
5	6.2	4.7		0			0.3	0.1	6.5	6.2	9.1	0.6
6	6.2	4.7		0			0.2	0.1	6.5	6.2	a 9.1	0.6
7	6.2	3.3		0			0.2	0.1	6.5	6.2	8.8	0.6
8	6.2	0.5		0			0.2	0.1	6.5	6.2	8.8	0.7
9	6.2	0.3		0			0.2	0.1	6.5	5.9	8.5	0.7
10	6.2	0.2		0			0.2	0.1	6.5	5.9	8.5	0.8
11	6.2	0.1		0			0.2	0.1	6.2	5.9	8.5	0.8
12	6.2	+		0			0.1	+	6.2	5.9	7.8	0.8
13	6.2			0			0.1		6.2	5.9	9.2	0.8
14	6.2			0			0.1		6.2	5.9	12.4	0.8
15	6.2			0			0.1		6.2	5.9	12.0	0.7
16	6.2			0			0.1		6.2	5.9	10.5	0.6
17	5.9			0			0.1		6.2	5.9	10.2	0.5
18	5.9			0			0.1		6.8	5.9	10.2	0.5
19	5.9	+		0			0.1		6.8	5.9	9.8	0.5
20	5.9	0.4		0			0.1	+	6.8	5.9	8.5	0.5
21	5.9	+	+	0.3		+	0.1	4.3	6.8	5.9	7.5	0.6
22	5.6		0	1.1		0.5	0.1	6.8	6.8	5.9	5.9	0.6
23	5.6		0	0.2		0.2	0.1	6.8	6.8	8.2	3.3	0.7
24	5.3		0	0.2		a 0.2	0.1	6.8	6.8	9.5	10.0	0.7
25	5.3		0	0.1		a 0.2	0.1	6.8	6.5	9.8	5.0	0.6
26	5.3		0	+		0.1	0.1	6.8	6.2	9.5	12.5	0.7
27	5.3		0			+	0.1	6.8	6.2	9.5	1.7	0.6
28	5.3		0				0.1	6.5	6.2	9.5	1.3	0.5
29	5.3		0		+		0.1	6.5	6.2	9.5	0.9	0.5
30	5.3	+	0				0.1	6.5	6.2	9.5	0.8	0.5
31	5.3		0	+		+		6.5		a 9.5	0.8	
	182.3	34.5	+	1.9	+	1.2	4.9	72.2	193.5	216.7	238.8	19.2
MEAN	5.88	1.15	+	0.06	+	0.04	0.16	2.32	6.45	6.99	7.70	0.64
ACRE-FEET	362.	68.	+	3.8	+	2.4	9.7	143.	384.	430.	474.	38.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.64
YEAR OR PERIOD ACRE-FEET 1,910.

FADT4M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F168-R

Daily discharge, in second-feet of BIG TUJUNGA CREEK below Big Tujunga Dam, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.5	0.5	+	0.1	+	+	1.4	+	4.1	3.8	3.8	7.5
2	0.6	0.5		0.1	+		1.5		4.1	3.8	3.5	7.5
3	0.6	0.5		0.1	0.1		1.7		4.1	3.8	3.3	7.2
4	0.7	0.5		0.1	0.2		1.1		4.1	3.8	3.3	7.2
5	0.7	0.5		0.1	0.3		0.8		4.1	3.8	3.3	7.5
6	0.8	0.5		0.1	0.5		0.6		4.1	3.8	3.3	7.5
7	0.8	0.5		0.4	0.2		0.6		4.1	3.8	3.3	7.5
8	0.6	0.5	+	0.1	0.2		1.1		4.1	3.8	3.3	7.5
9	0.6	1.3	0	+	0.2		2.6	+	4.4	3.8	3.3	7.5
10	0.6	1.0	0	+	0.1		1.4	1.6	4.1	3.8	3.3	7.5
11	0.6	0.7	0	0.1	0.1		0.9	3.3	4.1	3.8	3.3	7.5
12	0.6	0.7	0	0.1	0.1		0.5	3.8	4.1	3.8	3.3	7.5
13	0.6	0.7	0	0.1	0.1		0.3	4.1	4.1	3.8	3.3	7.5
14	0.6	0.7	0	0.1	+		0.2	4.1	4.1	3.8	3.5	7.5
15	0.6	0.7	0	0.1			0.1	4.1	4.1	3.8	3.5	7.5
16	0.6	0.7	0	0.1			0.1	4.1	4.1	3.8	3.8	7.5
17	0.6	0.7	0	0.1			0.1	4.1	4.1	3.8	3.8	7.5
18	0.5	0.6	0	0.2			0.1	4.1	4.1	3.8	3.8	7.5
19	0.4	0.6	0	0.1			0.1	4.1	4.1	3.5	5.0	7.5
20	0.4	0.4	0.3	0.1			0.1	4.1	4.1	3.5	7.8	7.5
21	0.4	+	+	0.1			0.1	4.1	4.1	3.5	7.8	7.5
22	0.4			0.1			0.1	4.1	4.1	3.5	7.8	7.5
23	0.4			0.1			0.1	4.1	4.1	3.5	7.8	7.5
24	0.4			0.1			0.1	4.1	3.8	3.5	7.5	7.5
25	0.4			0.1			0.1	4.1	3.8	3.5	7.5	7.2
26	0.4		+	0.1			0.1	4.1	3.8	3.5	7.5	7.2
27	0.4		0.2	0.1			0.1	4.1	3.8	3.8	7.5	7.2
28	0.4		0.1	0.1	+		0.1	4.1	3.8	3.8	7.5	6.8
29	0.6		0.1	+			+	4.1	3.8	3.8	7.2	6.8
30	0.5	+	0.1	+		+	+	4.1	3.8	3.8	7.2	6.8
31	0.5		0.1	+		0.3		4.1		3.8	7.2	
	16.8	12.8	0.9	3.0	2.1	0.3	16.1	86.6	121.2	115.4	157.3	221.4
MEAN	0.54	0.43	0.03	0.10	0.08	0.01	0.54	2.79	4.04	3.72	5.07	7.38
ACRE-FEET	33.	25.	1.8	6.0	4.2	0.6	32.	172.	240.	229.	312.	439.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.06
ACRE-FEET 1,490.

STATION F213-R

BIG TUJUNGA CREEK above Gold Canyon

LOCATION: LAT. 34°18'02" LONG. 118°16'04", ON THE LEFT (SOUTH) BANK TWO MILES ABOVE MOUTH OF CANYON, SEVEN MILES BELOW BIG TUJUNGA DAM AND ABOUT FOUR MILES NORTHEAST OF SUNLAND. ELEVATION OF ZERO GAGE HEIGHT, 1571.80 FEET. THE FORMER STATION U11-R WAS ABOUT 1000 FEET UPSTREAM AT THE LOCATION OF A PARTLY CONSTRUCTED AND ABANDONED SUBMERGED DAM.

DRAINAGE AREA: 106 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW FROM 82.3 SQUARE MILES REGULATED BY BIG TUJUNGA DAM. FLOW FROM 23.7 SQUARE MILES UNREGULATED.

DIVERSIONS: THERE ARE SEVERAL SMALL IRRIGATION DIVERSIONS ABOVE THE STATION.

RECORDS AVAILABLE: OCTOBER 1, 1932 TO SEPTEMBER 30, 1965. (RECORDS AT THE UNITED STATES GEOLOGICAL SURVEY STATION, TUJUNGA CREEK, NEAR SUNLAND, ARE AVAILABLE FROM OCTOBER 1, 1916 TO SEPTEMBER 30, 1932 IN WATER SUPPLY PAPERS.)

EXTREMES OF DISCHARGE:

1963-64
MAXIMUM: 166 SECOND-FEET JANUARY 22.
MINIMUM: 0.1 SECOND-FOOT SEPTEMBER 23.

1964-65
MAXIMUM: 220 SECOND-FEET APRIL 9.
MINIMUM: 0.1 SECOND-FEET SEVERAL DAYS IN OCTOBER.

1916-65
MAXIMUM: 50,000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM: NO FLOW OCTOBER 6, 1960.

ACCURACY: GOOD.

OPERATION: CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F213-R

Daily discharge, in second-feet of BIG TUJUNGA CREEK above -old Canyon for the year ending September 30, 19 64

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.5	4.4	1.3	1.2	2.6	1.5	20	1.7	6.5	5.0	9.0	1.3
2	6.0	4.7	1.3	1.2	2.3	1.7	10	1.5	7.0	5.0	9.0	1.0
3	6.0	5.5	1.3	1.0	2.3	1.5	6.0	1.3	7.0	5.0	9.0	0.5
4	6.5	6.0	1.3	1.2	2.0	1.5	4.7	1.5	7.0	5.5	9.0	0.5
5	6.0	6.0	1.3	1.2	2.0	1.5	4.4	1.7	7.0	5.5	9.5	0.3
6	6.0	6.0	1.3	1.0	2.0	1.5	4.1	1.8	7.0	5.5	9.0	0.5
7	5.5	5.0	1.3	1.0	2.0	1.3	3.8	2.6	7.0	5.5	8.0	0.5
8	5.5	3.5	1.3	1.0	2.0	1.3	3.5	1.8	7.0	5.5	8.0	0.5
9	5.5	1.8	1.2	1.0	2.0	1.3	3.2	1.5	7.5	5.5	7.5	0.2
10	5.5	1.5	1.2	1.0	2.0	1.2	2.9	1.3	7.0	5.5	8.0	0.3
11	5.5	1.3	1.2	1.0	2.0	1.3	2.9	1.3	6.5	5.0	8.0	0.3
12	5.5	1.3	1.2	1.0	2.0	1.5	2.6	1.2	6.5	5.0	6.5	0.3
13	5.5	1.3	1.2	1.0	2.0	1.5	2.0	1.2	6.5	5.0	5.8	0.3
14	5.0	1.3	1.2	1.0	2.0	1.5	1.8	1.0	6.0	4.7	13	0.3
15	5.5	1.7	1.2	1.0	1.8	1.3	1.8	1.0	6.0	4.4	14	0.3
16	7.5	2.0	1.2	1.0	1.8	1.0	1.8	1.0	6.5	4.4	9.5	0.5
17	7.0	1.7	1.2	1.0	1.7	1.0	2.0	1.0	6.5	4.4	9.0	0.3
18	7.0	1.5	1.2	1.0	1.5	1.0	2.3	1.0	6.5	4.4	8.5	0.3
19	7.0	1.5	1.2	1.0	1.5	1.3	2.9	1.0	6.5	4.4	8.0	0.3
20	7.0	9.7	1.2	1.2	1.5	1.2	2.6	0.8	6.5	4.4	7.0	0.2
21	6.5	4.7	1.2	14	1.5	1.2	2.0	1.6	6.5	4.4	7.0	0.6
22	6.5	2.9	1.2	44	1.5	5.2	2.0	4.1	6.5	4.4	6.0	0.5
23	6.5	2.3	1.2	7.5	1.5	7.8	2.0	6.0	6.5	5.5	4.4	0.3
24	6.0	1.8	1.2	4.7	1.5	6.5	2.0	7.0	6.5	9.5	7.3	0.3
25	5.0	1.3	1.2	4.1	1.5	3.8	2.0	7.0	5.5	9.5	2.7	0.5
26	5.0	1.3	1.2	3.5	1.5	3.2	1.8	7.0	5.0	9.5	9.1	0.6
27	5.0	1.3	1.2	3.2	1.5	2.6	1.7	7.0	5.0	9.5	6.3	0.6
28	5.0	1.3	1.2	3.2	1.5	2.0	2.0	7.0	5.0	9.5	1.8	0.6
29	5.0	1.3	1.2	2.9	1.5	1.8	2.0	7.0	5.0	9.5	1.3	0.5
30	5.5	1.3	1.2	2.9		1.8	1.8	7.0	5.0	9.0	1.3	0.5
31	5.0		1.2	2.6		3.0		6.5		9.0	1.3	
	181.5	87.2	38.0	113.6	52.5	65.8	104.6	94.4	190.5	188.9	223.8	13.7
MEAN	5.85	2.91	1.23	3.66	1.81	2.12	3.49	3.04	6.32	6.09	7.22	0.46
ACRE-FEET	360.	173.	75	225.	104	130	208.	187.	378.	375.	444.	27.

Remarks:

YEAR OR PERIOD MEAN 3.70
ACRE-FEET 2690.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F213--R

Daily discharge, in second-feet of BIG TUJUNGA CREEK above Gold Canyon for the year ending September 30, 19

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.5	0.5	1.7	0.8	1.2	30	4.1	5.0	3.5	2.9	7.0
2	0.2	0.5	0.3	1.7	0.8	1.2	44	4.1	5.0	3.2	2.6	6.5
3	0.2	0.5	0.3	1.5	0.8	1.2	28	4.1	4.7	3.2	2.6	6.5
4	0.1	0.3	0.5	1.7	0.8	1.2	16	4.1	4.4	3.2	2.6	6.5
5	0.1	0.2	0.5	1.8	0.8	1.2	11	3.8	4.4	3.2	2.6	7.0
6	0.1	0.2	0.5	1.7	1.0	1.2	8.0	3.5	4.7	3.2	2.6	8.0
7	0.1	0.2	0.5	2.3	1.0	1.2	7.0	3.2	4.7	3.2	2.6	7.5
8	0.2	0.3	0.6	2.3	1.0	1.2	40	3.2	5.0	3.2	2.6	7.0
9	0.2	11	0.6	1.8	1.0	1.2	77	3.2	5.0	3.2	2.6	6.5
10	0.2	4.7	0.8	1.7	1.0	1.2	60	2.9	4.7	3.2	2.6	6.5
11	0.1	2.9	0.8	1.7	1.0	1.2	28	4.1	4.4	3.5	2.9	6.5
12	0.1	1.8	0.8	1.7	1.0	1.2	21	4.7	4.7	3.5	2.9	6.5
13	0.2	1.3	0.6	1.7	1.0	1.2	16	5.5	4.7	3.2	2.9	6.5
14	0.3	0.8	0.6	1.7	1.0	1.2	14	5.5	5.0	3.2	2.6	6.5
15	0.3	0.8	0.6	1.7	1.0	1.2	13	5.0	5.0	3.2	2.6	6.5
16	0.3	1.0	0.6	1.3	1.0	1.2	11	5.5	5.0	3.5	2.9	7.0
17	0.5	1.8	0.6	1.3	1.2	1.2	11	5.5	5.0	3.2	3.2	7.0
18	0.3	1.5	0.8	1.3	1.2	1.2	9.5	5.5	4.7	3.2	3.2	7.5
19	0.2	1.2	1.0	1.2	1.0	1.2	8.5	5.5	4.7	3.2	2.9	9.0
20	0.2	1.2	1.2	1.3	1.0	1.2	8.5	5.2	4.7	2.9	4.1	7.0
21	0.3	1.2	1.2	1.2	0.8	1.2	8.0	5.5	4.4	2.9	6.0	6.0
22	0.3	1.2	1.2	1.3	1.0	1.2	7.5	5.5	4.4	2.9	6.0	6.0
23	0.3	1.2	1.2	1.2	1.0	1.2	6.5	5.5	4.4	2.9	6.5	6.0
24	0.3	1.0	1.2	1.2	1.0	1.2	5.5	6.0	4.4	2.9	7.0	6.0
25	0.3	0.6	1.0	1.2	1.0	1.2	5.0	5.5	4.4	2.9	7.0	6.5
26	0.3	0.6	1.0	1.0	1.2	1.2	4.7	5.0	4.1	2.9	6.0	6.5
27	0.3	0.6	1.8	1.0	1.2	1.2	4.7	4.7	3.8	2.9	6.0	6.5
28	0.3	0.6	2.9	1.0	1.2	1.2	4.4	4.1	3.8	2.9	6.0	7.0
29	0.8	0.5	2.0	1.0		1.0	4.1	4.1	3.8	2.9	6.0	6.0
30	0.8	0.5	1.8	1.0		1.0	4.1	4.4	3.8	3.2	6.5	5.5
31	0.5		1.7	0.8		1.7		4.7		2.9	7.0	
	8.6	40.7	29.7	45.1	27.8	37.3	516.0	143.2	136.8	97.1	126.5	201.0
MEAN	0.28	1.36	0.96	1.45	0.99	1.20	17.2	4.62	4.56	3.13	4.08	6.70
ACRE-FEET	17.	81.	59.	89.	55.	74.	1,020.	284.	271.	193.	251.	399.

Remarks:

YEAR OR PERIOD MEAN 3.86
ACRE-FEET 2,790.

STATION E20 C–R
TUJUNGA WASH above Glenoaks Boulevard

LOCATION: LAT. 34°15'10", LONG. 118°23'20", ON THE LEFT (EAST) BANK OF OUTLET CHANNEL OF HANSEN DAM 0.1 MILE ABOVE GLENOAKS BOULEVARD AND THREE MILES SOUTHEAST OF SAN FERNANDO. ALTITUDE OF GAGE 943.32 FEET.

DRAINAGE AREA: 150 SQUARE MILES.

RECORDS AVAILABLE: AUGUST 1940 TO SEPTEMBER 1965. APRIL 1932 TO SEPTEMBER 1940 (FRAGMENTARY).

EXTREMES OF DISCHARGE:
- 1963–64
  - NO FLOW DURING ENTIRE YEAR.
- 1964–65
  - NO FLOW DURING ENTIRE YEAR.
- 1940–65
  - MAXIMUM: 3130 SECOND–FEET FEBRUARY 12, 1962. 54,000 SECOND–FEET ESTIMATED MARCH 2, 1938.
  - MINIMUM: DAILY DISCHARGE. NO FLOW DURING PARTS OF EACH YEAR.

REMARKS: RECORDS GOOD. FLOW REGULATED BY BIG TUJUNGA FLOOD CONTROL RESERVOIR (CAPACITY 4240 ACRE–FEET) AND BY HANSEN FLOOD CONTROL RESERVOIR (CAPACITY 32,000 ACRE–FEET), SEVERAL SMALL DIVERSIONS ABOVE STATION FOR DOMESTIC USE AND IRRIGATION. WATER DIVERTED FROM OUTLET CHANNEL UPSTREAM FROM GAGE TO SPREADING GROUNDS, SOME OF WHICH, IN PAST YEARS, WAS RETURNED TO CHANNEL DOWNSTREAM FROM GAGE.

COOPERATION: RECORDS FURNISHED BY CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, AND THE UNITED STATES GEOLOGICAL SURVEY.

STATION F105B–R
TUJUNGA WASH below Moorpark Street

LOCATION: LAT. 34°08'58", LONG. 118°23'26", ON THE RIGHT (WEST) CHANNEL WALL. 1725 FEET ABOVE THE JUNCTION WITH THE LOS ANGELES RIVER, NEAR STUDIO CITY. (THE FORMER STATION, F105–R, WAS LOCATED ON THE DOWNSTREAM SIDE OF THE MAGNOLIA AVENUE BRIDGE.) ELEVATION OF ZERO GAGE HEIGHT 577.78 FEET.

DRAINAGE AREA: 225 SQUARE MILES. (REVISED 1965)

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW PARTIALLY REGULATED BY BIG TUJUNGA DAM, PACOIMA DAM, LOPEZ DEBRIS DAM, HANSEN DAM, AND PROJECT 85 DIVERSION FROM PACOIMA WASH AT SOUTHERN PACIFIC RAILWAY.

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

RECORDS AVAILABLE: AUGUST 1930 TO FEBRUARY 17, 1938, OCTOBER 17, 1938 TO MARCH 24, 1949 AND MARCH 22, 1950 TO SEPTEMBER 30, 1965. NO RECORD AVAILABLE FROM MARCH 24, 1949 TO MARCH 22, 1950 DUE TO CHANNEL CONSTRUCTION.

EXTREMES OF DISCHARGE:
- 1963–64
  - MAXIMUM: 2980 SECOND–FEET JANUARY 22.
  - MINIMUM: NO FLOW APRIL 10.
- 1964–65
  - MAXIMUM: 1400 SECOND–FEET APRIL 9.
  - MINIMUM: PLUS FLOW PART OF YEAR.
- 1930–65
  - MAXIMUM: DISCHARGE NOT DETERMINED MARCH 2, 1938.
  - MAXIMUM: DISCHARGE OF RECORD 6910 SECOND–FEET FEBRUARY 16, 1962.
  - MINIMUM: NO FLOW AT VARIOUS TIMES.

REMARKS: PRIOR TO 1950, DRAINAGE AREA WAS INDETERMINATE DUE TO A NATURAL SPLIT WHICH DIVIDED TUJUNGA WASH INTO TWO BRANCHES, THE CENTRAL BRANCH NOW DRAINS LOCAL DRAINAGE AREA ONLY.

ACCURACY: GOOD, EXCEPT FOR LOW FLOWS.

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

7ED74M C4b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F105B-R

Daily discharge, in second-feet of TUJUNGA WASH at Moorpark Street, for the year ending September 30, 19 64

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.1	0.3	0.1	0.1	0.3	102	a 0.3	1.0	0.5	0.7	0.5
2	0.3	0.1	0.3	0.1	0.1	14.5	0.5	0.1	1.0	0.5	0.7	0.3
3	0.3	6.3	0.1	0.1	0.1	b 0.1	0.3	0.1	1.0	0.5	0.5	0.3
4	1.0	b 0.3	0.1	0.1	0.1	b 0.1	0.3	0.1	1.0	0.5	0.5	0.3
5	0.7	b 0.3	0.1	0.1	0.1	b 0.1	0.1	0.1	1.0	0.7	0.5	0.3
6	0.5	68	0.1	0.3	0.1	0.1	0.1	0.1	1.0	0.7	0.5	0.3
7	0.5	0.7	0.1	0.3	0.1	0.1	0.1	a 0.1	1.0	0.7	0.7	0.5
8	0.7	0.3	0.1	0.3	0.1	0.1	0.1	0.1	1.0	1.0	0.5	0.5
9	0.7	0.3	0.3	0.3	0.1	0.1	0.1	0.1	23	1.0	0.7	0.5
10	0.7	0.3	0.1	0.3	0.1	0.3	0	0.1	b 0.5	1.0	0.5	0.5
11	0.7	0.3	0.1	0.3	0.3	0.1	0.1	0.3	0.3	1.0	0.5	0.5
12	0.7	0.3	+	0.3	0.1	0.5	0.1	0.3	0.5	0.7	0.5	0.5
13	0.5	0.3	+	0.1	0.1	2.4	0.1	0.3	0.7	0.7	0.5	0.5
14	0.5	0.3	+	0.1	0.1	b 0.3	0.1	0.3	0.5	0.7	0.5	0.5
15	0.7	63	0.1	0.1	0.1	0.3	0.1	0.3	0.7	0.7	0.5	0.5
16	36	b 0.3	0.1	0.1	0.1	0.3	0.3	0.3	1.0	0.7	0.5	0.5
17	0.7	b 0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.7	0.5	0.7	0.7
18	28	b 0.3	0.1	0.1	0.1	b 0.3	0.3	0.3	0.5	0.5	4.8	0.5
19	0.7	52	0.1	0.1	0.1	0.3	b 0.3	0.5	1.0	0.5	1.0	0.5
20	0.5	214	0.1	0.1	0.1	0.3	0.3	0.5	1.0	0.5	0.3	0.5
21	0.5	2.4	0.1	203	0.1	0.1	0.1	0.7	1.0	0.5	0.3	0.5
22	0.5	0.5	0.1	282	0.1	154	b 0.1	0.7	1.0	0.5	0.3	0.7
23	0.5	0.3	0.1	1.0	0.1	21	0.1	0.7	1.0	0.5	0.5	0.7
24	0.3	0.3	0.1	0.5	0.1	0.5	0.1	0.7	2.4	0.5	0.5	0.7
25	0.3	0.3	0.1	0.5	0.1	0.5	0.1	0.5	2.4	0.5	0.5	1.0
26	0.3	0.1	0.1	0.5	0.1	0.1	0.1	0.5	1.0	0.5	0.3	0.7
27	0.3	0.1	0.1	0.5	0.1	0.1	0.1	0.5	1.0	0.5	0.3	0.5
28	0.1	0.3	0.1	0.3	0.1	0.3	18.0	2.4	0.7	0.5	0.3	0.3
29	0.1	0.3	0.1	0.3	0.3	0.3	b 0.5	1.0	0.5	0.5	0.3	0.3
30	0.1	0.3	0.1	0.1		0.3	a 0.3	2.4	0.5	0.5	0.5	0.3
31	0.1		0.1	0.1		70		1.0		0.5	0.7	
	77.8	412.7	3.4	492.2	3.3	268.1	125.1	15.7	49.9	19.1	20.1	14.9
MEAN	2.51	13.8	0.11	15.9	0.11	8.65	4.17	0.51	1.66	0.62	0.65	0.50
ACRE-FEET	154.	819.	6.7	976.	6.5	532.	248.	31.	99.	38.	40.	30.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 4.10
ACRE-FEET 2980.

7ED74M C4b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F105B-R

Daily discharge, in second-feet of TUJUNGA WASH at Moorpark Street, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.5	b 0.1	b 0.1	b 0.1	b 0.1	b 0.2	206	b 0.3	b 0.3	b 0.6	b 0.5	b 0.3
2	b 0.5	0.1	b 0.1	+	b 0.1	b 0.2	73	0.3	b 0.3	0.6	0.4	0.3
3	0.5	0.1	0.1		b 0.1	b 0.2	50	0.2	0.3	b 0.6	0.4	b 0.3
4	0.5	b 0.1	b 0.1		0.1	0.2	58	0.2	b 0.3	0.6	b 0.4	b 0.3
5	0.5	0.1	0.1		7.6	b 0.2	4.8	b 0.1	0.3	0.6	0.4	7.0
6	0.5	b 0.1	0.1	+	22	b 0.2	0.7	0.1	0.3	0.6	b 0.4	22
7	b 0.6	b 0.1	0.1	39	b 0.2	15.5	4.8	b 0.1	0.3	b 0.6	0.4	b 0.2
8	0.6	b 0.1	0.2	b 0.1	0.1	b 1.0	331	0.1	0.3	0.6	0.4	0.2
9	b 0.6	107	0.2	0.1	0.1	b 0.7	224	0.1	b 0.3	b 0.5	0.4	b 0.2
10	0.5	40	b 0.2	0.1	b 0.1	b 0.7	9.5	0.1	0.3	0.5	0.4	0.2
11	0.5	b 0.8	0.2	0.1	+	1.0	4.8	0.1	b 0.3	0.5	b 0.5	0.2
12	0.5	0.8	b 0.2	0.1	+	b 0.7	7.1	0.1	0.3	0.4	0.4	0.2
13	0.5	b 0.3	0.2	b 0.1	b 0.1	13.3	16.0	0.1	0.3	0.4	b 0.4	0.2
14	b 0.5	0.1	0.1	0.1	0.1	b 1.0	1.0	0.1	0.3	b 0.4	0.5	0.2
15	0.5	+	0.1	+	0.1	31	0.7	0.1	0.3	0.4	0.5	b 0.2
16	b 0.5	b +	b 0.2		0.3	b 0.7	b 0.7	0.3	b 0.3	b 0.4	0.5	0.2
17	0.5	48	0.2		b 0.4	b 0.5	0.5	0.3	0.3	0.4	0.6	b 0.2
18	0.5	b 0.1	3.1	+	0.5	0.5	0.3	0.3	b 0.3	0.4	b 0.6	25
19	0.5	+	31	b 0.2	b 0.4	b 0.3	0.2	b 0.3	0.3	0.4	0.6	21
20	0.6		71	0.2	0.3	0.2	0.2	0.3	0.3	0.4	b 0.6	b 0.3
21	b 0.6		23	0.2	0.5	0.2	b 0.2	b 0.3	0.3	b 0.4	0.6	b 0.3
22	0.6		0.8	0.1	0.3	0.1	0.2	0.3	0.3	0.4	0.5	b 0.3
23	b 0.6		b 0.8	b 0.1	0.7	0.1	b 0.2	0.3	b 0.3	b 0.4	0.4	0.3
24	0.6		0.5	33	b 0.2	b 0.1	0.2	0.3	0.3	0.4	0.4	b 0.3
25	0.6	+	0.3	b 0.2	0.2	0.1	0.2	0.4	b 0.3	0.4	b 0.3	0.2
26	b 0.6	b 0.1	b 0.1	0.2	b 0.2	b 0.1	0.2	b 0.4	0.3	0.5	0.3	0.2
27	9.9	+	86	0.1	b 0.2	0.1	0.3	0.4	0.3	b 0.5	b 0.3	0.1
28	4.8	b 0.1	8.7	0.1	b 0.2	0.1	b 0.3	b 0.4	0.3	b 0.6	0.3	0.1
29	38	b 0.1	b 0.3	0.1		0.1	0.4	0.4	0.4	0.6	0.3	b 0.1
30	b 0.2	b 0.1	3.1	0.1		b 0.1	b 0.4	0.4	b 0.5	b 0.7	0.3	0.1
31	b 0.1		b 0.3	b 0.2		149		a 0.3		b 0.6	b 0.3	
	67.0	198.3	231.5	74.6	35.2	218.4	995.9	7.5	9.3	15.4	13.3	80.7
MEAN	2.16	6.61	7.47	2.41	1.26	7.04	33.2	0.24	0.31	0.50	0.43	2.69
ACRE-FEET	133.	393.	459.	148.	70.	433.	1,980.	15.	18.	30.	26.	160.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 5.33
ACRE-FEET 3,860.

STATION F329–R
BRADBURY CHANNEL below Central Avenue

LOCATION: LAT. 34°08'08", LONG. 117°57'17", ON THE LEFT (EAST) WALL OF BRADBURY CHANNEL 200 FEET DOWNSTREAM FROM THE CENTERLINE OF CENTRAL AVENUE, ONE MILE EAST OF DUARTE. ELEVATION OF ZERO GAGE HEIGHT 515.03 FEET.

DRAINAGE AREA: 3.3 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL, RECTANGULAR CONCRETE, 18 FEET WIDE, 12 FEET DEEP.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM FOOTBRIDGE FOUR FEET DOWNSTREAM FROM RECORDER.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATIONS: TWO DEBRIS BASINS LOCATED UPSTREAM.

RECORDS AVAILABLE: JUNE 14, 1957 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:

1963–64
- MAXIMUM: 168 SECOND–FEET JANUARY 22.
- MINIMUM: NO FLOW AT VARIOUS TIMES

1964–65
- MAXIMUM: 248 SECOND–FEET APRIL 9.
- MINIMUM: NO FLOW AT VARIOUS TIMES.

1957–65
- MAXIMUM: 1250 SECOND–FEET JANUARY 6, 1959.
- MINIMUM: NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

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

75D74M GS 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F329-R

Daily discharge, in second-feet of BRADBURY CHANNEL below Central Ave., for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.1	+	0	b +	0.3	3.6	0.1	0.1	0	+	+
2	0.1	+	b 0.1	0	b +	0.1	0.1	0.1	+	+	|	+
3	0.1	+	0.1	0	0	+	+	0.1	+	|	|	+
4	0.3	+	0.1	0	0	+	+	0.1	0.5	|	|	+
5	0.3	+	0.1	0	b +	+	+	+	0.3	|	|	+
6	0.3	0.6	b +	b +	0	0	+	+	0.5	|	|	0.5
7	0.1	+	0	|	0	0	0.1	0.1	0.1	|	|	0.5
8	+	0	0	|	0	0	0.1	0.1	0.3	|	|	0.3
9	0.1	0	0	|	b +	0	0.1	0.3	0.3	|	+	+
10	+	+	0	|	0	0	0.3	0.3	+	|	0	+
11	0.3	0	0	b +	b +	+	0.3	0.3	+	|	0	0
12	0.3	0	b +	0	+	0.1	0.3	+	0.1	|	0.1	+
13	0.3	+	0	0	+	+	0.1	|	0.1	|	0.3	0.3
14	0.5	0	b +	b +	+	+	0.1	|	0.3	+	0.8	0.1
15	0.5	0.6	+	b +	+	0	0.1	|	0.1	0.1	0.8	+
16	0.5	0	0	+	b +	+	0.1	|	0.1	+	0.1	0.1
17	0.1	0	b +	0	0	+	0.1	+	0.1	+	+	+
18	0.1	0	0	b +	b 0.1	0	0.3	+	0.5	+	+	0.3
19	0.1	0.4	0	b +	0.1	+	0.3	+	0.3	+	0	0.3
20	0.1	4.2	0	0	+	+	0.3	+	+	0.3	+	0.3
21	0.1	+	b +	5.6	+	+	0.1	+	|	0.1	+	0.1
22	0.1	+	0	4.3	+	4.4	0.1	+	|	+	0.8	+
23	0.3	0	0	b +	+	0.8	+	+	|	0.1	0.5	+
24	+	0	0	b +	+	0.3	+	+	+	+	0.5	0
25	0.1	0	0	0	+	+	0.3	+	0.1	0.3	0.3	+
26	0.1	0	0	b +	+	|	0.3	+	0	+	+	0.5
27	0.1	0	0	0	0.3	|	0.5	0.1	0	0.1	b +	0.3
28	0.3	0	0	+	0.1	+	0.5	0.1	0	+	0.1	0.3
29	0.3	0	0	0	0.3	0.1	0.3	0.5	0	+	0.3	0.1
30	0.1	0	0	0		0.1	0.1	0.5	0	+	0.5	+
31	0.1		0	0		0.8		0.5		1.2	0.5	
	6.0		0.4		0.9		8.5	3.8			5.6	
		5.9		9.9		7.0		3.2		2.2		4.0
MEAN	0.19	0.20	0.01	0.32	0.03	0.23	0.28	0.10	0.13	0.10	0.18	0.13
ACRE-FEET	12.	12.	0.8	20.	1.8	14.	17.	6.3	7.5	4.4	11.	7.9

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.16
ACRE-FEET 114.

76D14M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F329-R

Daily discharge, in second-feet of BRADBURY CHANNEL below Central Avenue, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	a 0.1	0.01	0	0.05	0.02	4.4	0.06	0.05	0.1	0.1	0.1
2	0.03	0.1	0	0	0.05	0.02	0.9	0.05	+	+	0.02	0.1
3	0.05	0.05	0	0	0.05	0	1.1	0.02	+	0.02	0.01	0.3
4	0.3	0.05	0	0	0.05	0	0.3	0.01	+	0.2	0.02	0.5
5	0.3	0.02	0.01	0	0.2	0	+	0.02	+	0.3	0.05	0.8
6	0.05	0.3	0	0	0.6	0	+	0	0	0.02	0.02	1.7
7	0.05	0.1	0	0.5	0.05	0.3	0.1	0	0	+	0.02	0.8
8	0.1	0.1	0	0.01	0.05	0.02	5.2	0	+	0	0.02	0.8
9	0.1	1.9	0	0	0.1	0.05	11.0	0	+	+	0.02	0.8
10	0.5	1.7	0	0	0.05	0.1	0.05	0	0	+	b 0.01	0.8
11	0.5	0.1	0	0	0.1	0.05	0.3	0.05	0	+	b 0.01	0.8
12	0.3	0.3	0	0	0.3	0.4	+	0.02	0	0.05	b 0.01	0.8
13	0.05	0.1	0	0	0.1	1.3	0	a 0.05	+	0.05	0.02	0.3
14	0.1	0.1	0	0	0.1	0.05	0	0.05		+	0.01	0.05
15	0.5	0.1	0	0	0.1	0.6	0	0.05		0.1	0.01	0.3
16	0.5	0.1	0	0	0.3	0.1	0	0.05		0.05	0.01	0.5
17	0.3	0.8	0	0	0.3	0.05	0	0.1		3.9	0.02	0.8
18	0.3	0.02	0.05	0	0.1	0.05	0	0.1	+	0.05	0.1	0.8
19	0.3	+	0.05	0	0.02	0.05	0	0.1	0	0.05	0.05	1.2
20	0.3	0.05	0.8	0	0.02	0.05	0	a 0.1	0	0.02	0.01	0.3
21	0.3	0.05	0.05	0	0.02	0.05	+	0.3	0	+	0.01	0.1
22	0.3	0.1	0	+	0.3	0.02	0	0.3	0	0.02	0.01	0.1
23	0.5	0.05	0	0.02	0.3	0.01	0	0.3	0	+	0.02	0.05
24	0.5	0.05	0	0.4	0.3	0.01	0	0.3	0.05	+	0.01	0.1
25	0.8	0.05	0	0	0.1	0	0	0.3	+	0.05	0.01	0.1
26	0.5	0.05	0.02	0	0.3	0	0	0.3	+	0.02	0.1	0.1
27	0.3	0.1	a 1.6	+	0.05	0	0	0.3	0	+	0.05	0.05
28	0.5	0.3	0.02	0.1	0.05	0	0	0.2	0	+	0.5	0.02
29	0.8	0.3	+	0.05		0	0	0.1	0.1	+	0.8	0.02
30	0.1	0.1	0.02	0.05		0.01	0	0.1	0.1	0.5	0.5	0.01
31	0.1		0	0.1		2.9		0.2		0.1	0.1	
	9.33	7.24	2.63	1.23	4.11	6.21	23.35	3.53	0.30	5.60	2.65	13.20
MEAN	0.30	0.24	0.08	0.04	0.15	0.20	0.78	0.11	0.01	0.18	0.85	0.44
ACRE-FEET	19.	14.	5.2	2.4	8.2	12.	46.	7.0	0.6	11.	5.2	26.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.22
ACRE-FEET 157.

STATION F342-R
BRANFORD STREET CHANNEL below Sharp Avenue

LOCATION: LAT. 34°14'07", LONG. 118°24'43", ON THE LEFT (SOUTH) BANK OF CHANNEL, 125 FEET DOWNSTREAM FROM SHARP AVENUE, ABOUT 3.6 MILES SOUTH OF SAN FERNANDO. ELEVATION OF ZERO GAGE HEIGHT 845.7 FEET.

DRAINAGE AREA. 5.01 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - TRAPEZOIDAL 10 FEET WIDE AT BOTTOM AND 7.5 FEET DEEP WITH 1-1/2 TO 1 SIDE SLOPES. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED BY FLOATS.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION AND/OR DIVERSION: FLOW FROM LOPEZ CREEK IS DIVERTED TO HANSEN DAM AT THE MOUTH OF LOPEZ CANYON.

RECORDS AVAILABLE: JANUARY 12, 1962 TO SEPTEMBER 30, 1965

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 275 SECOND-FEET MARCH 22.
MINIMUM: NO FLOW MOST OF YEAR.
1964-65
MAXIMUM: 261 SECOND-FEET APRIL 9.
MINIMUM: NO FLOW MOST OF YEAR.
1961-65
MAXIMUM: 284 SECOND-FEET APRIL 26, 1963.
MINIMUM: NO FLOW PART OF EACH YEAR.

ACCURACY: GOOD.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F342-R

Daily discharge, in second-feet of BRANFORD STREET CHANNEL below Sharp Avenue, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0	0	0	0	0	12.5	+	+	0	0	0
2		+	0	0	0	1.4	0			0	0	0
3		1.7	+	0	0	0	0			0	0	0
4		+	+	0	0	0	0	+		0	0	0
5		+	0	0	0	0	0	0		0	0	0
6		12.5	0	0	0	0	+	+		0	0	0
7		0	0	0	0	0	+			0	0	0
8		0.2	0	0	+	0	0		+	0	0	0
9		e 0.2	+	0	0	0	+		2.8	0	0	0
10		+	0	0	0	0	+		0	0	0	0
11		+	0	0	0	0	0		+	0	0	0
12		+	0	0	0	0.2	0		0	0	0	0
13		e 0.2	0	0	0	+	0		+	0	0	0
14		0.4	0	0	0	0	+	+		0	0	0
15	+	12.1	0	0	0	+	+	0		0	0	0
16	4.1	0	0	0	0	0	+	0		0	0	0
17	0.2	0	0	0	0	0	0	+		0	0	0
18	2.5	+	0	+	0	0	+			0	0	0
19	+	8.3	0	+	0	+	0.2			0	0	0
20	0	32	0	+	0	0	0			0	0	0
21	0	+	0	21	+	+	0			0	0	0
22	0	0	0	32	0	24	0			0	0	0
23	0	0	0	0	0	2.6	0			0	0	0
24	+	0	0	0	0	+	0			0	0	0
25	+	0	0	0	0		0			0	0	0
26	0	+	0	0	0		+			0	0	0
27	0	0	0	0	0		+			0	0	0
28	0	0	0	0	0	+	1.3			0	0	0
29	0	0	0	0	0	0	0			0	0	0
30	+	0	0	0		0	0		+	0	0	0
31	0		0	0		16.5		+		0	0	
	6.8		+		+		14.0		2.8		0	
		67.6		53		44.7		+		0		0

MEAN	0.22	2.82	+	1.7	+	1.44	0.47	+	0.09	0	0	0
ACRE-FEET	13.	134.	+	105.	+	89.	28.	+	5.6	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.52
ACRE-FEET 375.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F342-R

Daily discharge, in second-feet of BRANFORD STREET CHANNEL below Sharp Street, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.1	0	0	0	0	45	0	0	0	0.3	0
2	0	0	0	0	0	0	10.9	+	0	0	0.2	0
3	0	0	0	0	0	0	6.2	0	0	0	0.2	0
4	0	0	0	0	0	0	12.0	0	0	0	+	0
5	0	0	0	0	1.1	0	0.4	0	0	0	0	0
6	0	0	0	0	1.2	0	0.3	0	0	0	0	2.0
7	0	+	0	3.0	0	0.7	1.2	0	0	0	0	0.8
8	0	+	0	0	0	+	56	0	0	0	0	0.7
9	0	13.6	0	0	0	0	38	0	0	0	0	0.5
10	0	11.2	0	0	0	0	0.2	0	0	0	0	0.4
11	0	0.3	0	+	0	+	0	0	0	0	0.3	0.3
12	0	0.4	0	0	0	0	0.2	0	+	0	0.3	0.2
13	0	0.3	0	0	0	1.1	0.3	0	0	0	0.2	+
14	0	0.1	0	0	0	1.1	0	0	0	0	0.2	0
15	0	0	0	0	0	1.5	0	0	0	0	+	+
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	3.8	0	0	0	0	0	0	0	0	0	0
18	0	0.4	0.3	0	0	0	0	0	0	0	0	6.0
19	0	0.2	3.1	0	+	0	0	0	0	0	0	3.8
20	0	0.2	5.6	0	0	0	0	0	0	0	0	0
21	0	0.2	1.8	0	0	0	0	0	0	0	0	0
22	0	0.1	+	0	0	0	0	0	0	0	0	0
23	0	0		0	0	0	0	0	+	0	0	0
24	0	0		4.2	0	0.2	0	0	0	+	0	0
25	0	0	+	0	0	0.2	0	0	0	+	0	0
26	0	0	0.8	0	0	0.2	0	0	0	+	0	+
27	0.2	0	12.1	0	0	0.2	0	0	0	0	0	0
28	0	0	1.6	0	0	0.2	0	+	+	0	0	0
29	7.5	0	+	0		0.2	0	0	0	0	0	0
30	0	0	0.4			0.3	0	0	0	0.4	0	0
31	0		0	0		14.0		0		0.4	0	
	8.3		25.7		2.3		170.7		+		1.7	
		35.9		7.2		19.9		+		0.8		14.7

MEAN	0.27	1.20	0.83	0.23	0.08	0.64	5.69	+	+	0.03	0.05	0.49
ACRE-FEET	16.	71.	51.	14.	4.6	39.	339.	+	+	1.6	3.4	29.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.79
ACRE-FEET 571.

STATION F2B–R
BROWNS CREEK at Variel Avenue

LOCATION: LAT. 34°15'58", LONG. 118°35'31", ON THE LEFT (SOUTHEAST) BANK ABOUT 100 FEET UPSTREAM FROM VARIEL AVENUE AND ONE MILE NORTHEAST OF CHATSWORTH. ELEVATION OF ZERO GAGE HEIGHT 1020.20 FEET.

DRAINAGE AREA: 13.5 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL – SAND AND GRAVEL WITH PIPE AND WIRE SIDES. CONTROL – A CONCRETE STABILIZER 10 FEET BELOW STATION FORMS CONTROL.

DISCHARGE MEASUREMENTS: ALL FLOWS MEASURED BY WADING.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION AND/OR DIVERSIONS: NONE KNOWN.

RECORDS AVAILABLE: AT STATION F2–R LOCATED AT DEVONSHIRE STREET, ONE MILE DOWNSTREAM – DECEMBER 11, 1928 TO AUGUST 27, 1932, AND OCTOBER 2, 1935 TO OCTOBER 31, 1939.
AT STATION F2B–R, OCTOBER 12, 1961 TO SEPTEMBER 30, 1965. OCCASIONAL SINGLE MEASUREMENTS HAVE BEEN MADE AT OTHER TIMES.

EXTREMES OF DISCHARGE:
1963–64
MAXIMUM: 21 SECOND–FEET JANUARY 22.
MINIMUM: NO FLOW MOST OF YEAR.
1964–65
MAXIMUM: 47 SECOND–FEET APRIL 8.
MINIMUM: NO FLOW MOST OF YEAR.
1928–1965 (STATIONS F2–R AND F2B–R).
MAXIMUM: 1100 SECOND–FEET ESTIMATED MARCH 2, 1938.
MINIMUM: NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR.

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

76D14M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F2B–R

Daily discharge, in second-feet of BROWNS CREEK at Variel Street, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0.5	0	0			
2	0	0	0	0	0	0	0	0	0			
3	0	0	0	0	0	0	0	0				
4	0	0	0	0	0	0	0	0				
5	0	0	0	0	0	0	0	0				
6	0	0	0	0	0	0	0	0				
7	0	0	0	0	0	0	0	0				
8	0	0	0	0	0	0	0	0				
9	0	0	0	0	0	0	0	0				
10	0	0	0	0	0	0	0	0				
11	0	0	0	0	0	0	0	0				
12	0	0	0	0	0	0	0	0				
13	0	0	0	0	0	0	0	0				
14	0	0	0	0	0	0	0	0				
15	0	0	0	0	0	0	0	0				
16	0	0	0	0	0	0	0	0				
17	0	0	0	0	0	0	0	0				
18	0	0	0	0	0	0	0	0				
19	0	0	0	0	0	0	0	0				
20	0	+	0	0	0	0	0	0				
21	0	0	0	+	0	0	0	0				
22	0	0	0	1.4	0	0	0	0				
23	0	0	0	0	0	0	0	0				
24	0	0	0	0	0	0	0	0				
25	0	0	0	0	0	0	0	0				
26	0	0	0	0	0	0	0	0				
27	0	0	0	0	0	0	0	0				
28	0	0	0	0	0	0	0	0				
29	0	0	0	0	0	0	0	0				
30	0	0	0	0		0	0	0				
31	0		0	0		+		0				
	0	+	0	1.4	0	+	0.5	0	0	0	0	0
MEAN	0	+	0	0.05	0	+	0.02	0	0	0	0	0
ACRE-FEET	0	+	0	2.8	0	+	1.0	0	0	0	0	0

RECORDER STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN +
ACRE-FEET 3.8

76D74M C(b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F2B–R

Daily discharge, in second-feet of BROWNS CREEK at Variel Street for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	2.1	0				
2	0	0	0	0	0	0	2.5	0				
3	0	0	0	0	0	0	0.9	0				
4	0	0	0	0	0	0	1.8	0				
5	0	0	0	0	0	0	0.5	0				
6	0	0	0	0	0	0	0.2	0				
7	0	0	0	0	0	0	0.1	0				
8	0	0	0	0	0	0	14	0				
9	0	0	0	0	0	0	12	0				
10	0	0	0	0	0	0	5.6	0				
11	0	0	0	0	0	0	1.6	0				
12	0	0	0	0	0	0	1.1	0				
13	0	0	0	0	0	0	0.5	0				
14	0	0	0	0	0	0	0.5	0				
15	0	0	0	0	0	0	e 0.1	0				
16	0	0	0	0	0	0	+	0				
17	0	0	0	0	0	0	+	0				
18	0	0	0	0	0	0	+	0				
19	0	0	0	0	0	0	0	0				
20	0	0	0	0	0	0	0	0				
21	0	0	0	0	0	0	0	0				
22	0	0	0	0	0	0	0	0				
23	0	0	0	0	0	0	0	0				
24	0	0	0	0	0	0	0	0				
25	0	0	0	0	0	0	0	0				
26	0	0	0	0	0	0	0	0				
27	0	0	0	0	0	0	0	0				
28	0	0	0	0	0	0	0	0				
29	0	0	0	0		0	0	0				
30	0	0	0	0		0	0	0				
31	0		0	0		0.7		0				
	0		0	0	0		43.5		E 0		E 0	
		0				0.7		0		E 0		E 0
MEAN	0	0	0	0	0	0.02	1.45	0	E 0	E 0	E 0	E 0
ACRE-FEET	0	0	0	0	0	1.4	86.	0	E 0	E 0	E 0	E 0

RECORDER STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.12
ACRE-FEET 87.

STATION F10B–R
CASTAIC CREEK at Highway 126

LOCATION: LAT. 34°25'42", LONG. 118°37'39", ON THE SECOND PIER FROM LEFT BANK ON THE DOWNSTREAM SIDE OF THE HIGHWAY BRIDGE AT STATE HIGHWAY 126, ABOUT 6.0 MILES NORTHWEST OF SAUGUS AND 1.5 MILES WEST OF THE JUNCTION OF STATE HIGHWAY 126 AND U.S. HIGHWAY 99. ELEVATION OF ZERO GAGE HEIGHT 952.05 FEET.

DRAINAGE AREA: 202.5 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION AND/OR DIVERSION: NONE.

RECORDS AVAILABLE: DECEMBER 27, 1945 TO SEPTEMBER 30, 1965. SOME STREAM FLOW MEASUREMENTS ARE AVAILABLE FOR EARLIER YEARS.

EXTREMES OF DISCHARGE:
1963–64
MAXIMUM: 1.5 SECOND–FEET, ESTIMATED JANUARY 22.
MINIMUM: NO FLOW MOST OF YEAR.
1964–65
MAXIMUM: 96 SECOND–FEET APRIL 9.
MINIMUM: NO FLOW MOST OF YEAR.
1949–65
MAXIMUM: 4200 SECOND–FEET JANUARY 15, 1952.
MINIMUM: NO FLOW MOST OF EACH YEAR.

ACCURACY: POOR.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F108-R

Daily discharge, in second-feet of CASTAIC CREEK at Highway 126, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	+	0	0	0	0	0
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
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	+	0	0	0	0	0	0	0	0	0	0
21	0	0	0	+	0	0	0	0	0	0	0	0
22	0	0	0	e 0.2	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	0.2	0	0	+	0	0	0	0	0
MEAN	0	+	0	0.07	0	0	+	0	0	0	0	0
ACRE-FEET	0	0	0	0.4	0	0	+	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN +
ACRE-FEET 0.4

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F108-R

Daily discharge, in second-feet of CASTAIC CREEK at Highway 126, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0.1	0	0	0	0	0
9	0	0	0	0	0	0	15	0	0	0	0	0
10	0	0	0	0	0	0	24	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0		
	0	0	0	0	0	0	39.1	0	0	0	0	0
MEAN	0	0	0	0	0	0	1.30	0	0	0	0	0
ACRE-FEET	0	0	0	0	0	0	78.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.11
ACRE-FEET 78.

STATION F302–R
COMPTON CREEK at 120th Street

LOCATION: LAT. 33°55'26", LONG. 118°15'03", ON THE RIGHT (WEST) BANK OF COMPTON CREEK, 192 FEET UPSTREAM FROM CENTERLINE OF 120TH STREET, WILLOWBROOK. ELEVATION OF ZERO GAGE HEIGHT, 78.64 FEET.

DRAINAGE AREA: 14.5 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL – CONCRETE, 48 FEET WIDE AND 10 FEET DEEP. CONTROL – CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOW MEASURED BY WADING. HIGH FLOWS MEASURED FROM UPSTREAM SIDE OF 120TH STREET BRIDGE.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION AND/OR DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 29, 1951 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:

1963–64
MAXIMUM: 1510 SECOND–FEET NOVEMBER 6.
MINIMUM: NO FLOW AT VARIOUS TIMES.

1964–65
MAXIMUM: 2082 SECOND–FEET APRIL 9.
MINIMUM: NO FLOW AT VARIOUS TIMES.

1951–65
MAXIMUM: 3510 SECOND–FEET FEBRUARY 19, 1962.
MINIMUM: NO FLOW AT VARIOUS TIMES.

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

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

16D74M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F302-R

Daily discharge, in second-feet of COMPTON CREEK at 120th Street, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 2.6	b 0.2	b 0.4	b 0.2	b 0.8	b 0.4	27	b 0.5	b +	e +	b 0.4	b 0.4
2	2.4	0.2	0.2	+	0.4	15.3	b 1.8	0.2	+	b 0.8	0.1	0.5
3	2.4	0.1	0.5	0.4	0.1	b 0.4	0.8	0.1	0.1	0.8	0.1	0.4
4	3.0	0.4	0.5	0.2	0.5	0.6	0.8	0.2	0.2	0.4	0.5	0.5
5	0.6	b 0.1	0.5	0.1	0.5	0.8	0.4	0.5	0.2	+	0.9	0.5
6	0.2	104	0.6	0.1	0.4	0.8	+	b 0.4	0.4	0.2	0.9	0.1
7	0.5	b 0.6	0.4	0.2	0.5	0.9	0.2	e 0.2	+	0.6	0.8	+
8	1.1	0.5	0.5	0.4	0.1	0.5	+	b 0.5	b +	0.8	0.9	+
9	1.1	0.8	0.5	0.4	+	0.5	0.6	0.5	41	0.8	0.4	0.6
10	1.1	0.8	0.5	0.9	+	0.9	0.5	0.2	b +	0.8	1.1	0.6
11	0.6	0.8	0.5	0.4	0.2	b 0.8	0.5	0.2	0.2	0.2	1.5	0.8
12	0.5	0.9	0.4	0.2	0.4	7.9	0.5	0.5	0.5	+	1.2	0.5
13	0.1	0.8	0.2	0.4	0.5	b 2.3	0.5	b 0.5	0.4	0.1	1.2	0.4
14	+	b 0.8	0.2	0.4	0.6	0.2	0.1	e 0.5	0.5	0.4	1.5	0.5
15	b 0.2	76	0.2	0.5	0.8	0.4	0.2	b 0.4	0.6	b 0.2	0.9	0.2
16	54	b 0.4	0.2	0.6	0.2	0	0.4	0.2	0.6	e 0.2	1.1	0.1
17	b 0.4	0.2	0.1	b 0.5	0.5	0.4	0.4	+	0.8	b 0.4	1.1	0.1
18	10.9	b +	0.1	26	0.6	0.4	0.2	+	1.1	0.1	1.1	0.1
19	b 0.2	85	0.2	b 0.4	0.8	0.5	0.8	0.2	0.8	+	1.1	+
20	+	100	0.1	b 0.5	0.6	0.5	0.8	b 0.1	0.9	0.1	1.1	+
21	+	b 0.4	0.1	68	0.9	b 0.5	1.1	e 0.2	0.6	0.6	0.8	0.1
22	0.4	0.2	0.1	74	0.9	101	1.2	b 0.1	0.2	0.5	0.8	0.2
23	0.4	0.4	+	b 0.5	1.1	24	1.2	0.2	0.5	0.5	0.4	0.5
24	0.2	0.4	0.1	0.1	1.1	b 4.2	1.2	0.1	0.6	0.6	0.5	0.9
25	0.2	0.2	0.1	0.1	1.2	b 0.6	1.1	0.1	0.4	0.4	0.8	1.1
26	0.4	0.2	0.1	+	1.2	0.6	0.8	0.2	0.6	0.1	0.6	0.9
27	0.1	0.4	0.5	0.1	0.8	0.6	0.8	b 0.2	0.2	0.2	0.5	0.5
28	0.1	0.4	0.5	0.2	0.5	0.6	0.9	e 0.2	0.5	0.5	0.5	0.6
29	0.5	0.2	0.4	0	b 0.5	0.5	0.4	b +	b 0.5	0.6	0.4	0.5
30	0.6	b 0.4	0.1	0.4	b 0.6	b 0.4	b +	b +	0.5	0.5	b 0.1	b 0.5
31	b 0.4		b 0.4	b 0.5		9.4		b +		b 0.6	b 0.1	
	85.2	375.8	9.2	176.7	16.7	177.1	45.6	7.2	52.9	12.0	23.4	12.1
MEAN	2.75	12.5	0.30	5.70	0.58	5.71	1.52	0.23	1.76	0.39	0.75	0.40
ACRE-FEET	169.	745.	18.2	350.	33.	351.	90.	14.3	105.	24.	46.	24.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.72
ACRE-FEET 1970

F6D74M Gdh 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F302-R

Daily discharge, in second-feet of COMPTON CREEK at 120th Street for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 0.4	b 0.2	b 0.2	b 0.1	b 0.9	b 0.4	38	b 1.1	b 0.2	b 0.2	b 0.2	b 0.4
2	1.4	0.1	0.2	0	1.1	0.2	71	0.1	0.4	0.2	0.4	0.6
3	1.1	0.4	0.2	0.1	1.1	0.1	84	0.2	0.1	0.1	0.4	0.9
4	0.9	0.2	0.2	0.6	b 1.1	0.2	23	0.4	0.1	+	0.6	0.4
5	1.1	0.2	0.1	0.9	11.8	0.2	b 1.1	0.4	+	+	0.6	0.2
6	1.1	0.4	0.1	b 0.9	5.9	0.1	b 0.4	0.4	+	0.1	0.9	1.4
7	1.1	0.4	0.1	13.1	b 0.4	0.4	6.2	0.4	0.1	0.4	0.6	0.2
8	1.1	b 0.4	+	b 0.4	0.4	0.1	233	0.2	0.1	0.4	0.4	0.1
9	0.9	63	0.1	0.4	0.4	0.4	199	0.1	0.1	0.4	0.9	0.4
10	0.6	33	+	0.4	0.4	b 0.4	b 0.4	0.2	0.4	0.4	0.6	0.6
11	0.4	b 1.4		0.6	0.4	17.0	b 0.4	0.4	0.4	0.1	3.4	0.1
12	0.6	1.6		0.9	0.4	8.6	11.7	0.4	0.2	0.2	1.4	0.1
13	0.9	0.2	+	0.6	0.4	48	b 0.4	0.4	0.2	0.4	1.6	0.4
14	0.6	0	0.1	0.6	0.2	6.5	0.4	0.4	0.4	0.4	2.9	0.4
15	0.9	0.2	0.2	0.9	0.2	16.7	0.4	0.4	0.4	0.4	1.6	0.4
16	1.1	b +	0.2	0.9	0.4	b 0.4	0.4	0.1	0.4	0.4	1.1	0.2
17	1.4	36	b 0.1	0.6	0.4	0.4	0.4	0.2	0.2	0.4	1.4	b +
18	0.9	b 0.9	4.6	0.6	0.6	0.4	0.2	0.4	0.2	0.1	1.4	6.6
19	0.9	0.1	37	1.1	0.6	0.4	0.1	0.4	0.1	0.4	1.6	b 0.4
20	1.1	0.1	73	1.1	0.4	0.4	0.4	0.4	0.1	0.6	1.8	0.1
21	1.1	0.1	a 1.8	0.9	0.2	0.2	0.4	0.4	+	0.6	0.6	0.1
22	1.1	0.4	a 0.6	0.9	0.2	0.4	0.2	0.4	0.1	0.6	0.4	0.1
23	0.4	0.4	a 0.6	b 0.6	0.4	0.4	0.4	0.2	0.1	0.9	0.6	0.1
24	0.2	0.1	b 0.4	24	0.6	0.4	0.4	0.2	0.1	0.4	0.9	0.1
25	0.1	0.1	b 0.2	b 1.5	0.9	b 0.4	0.4	0.6	+	0.1	1.1	0.1
26	0.2	0.1	b 0.6	0.9	0.9	a 0.6	0.4	0.4	0	0.2	1.1	0.2
27	0.4	+	115	0.9	b 0.9	0.4	0.4	0.4	0	0.2	1.6	0.1
28	b 0.4	0.2	7.7	1.1	0.6	0.4	0.2	0.4	0	0.1	1.4	0.1
29	18.0	+	b 0.9	0.9		0.4	0.4	0.4	0.1	0.2	0.6	0.1
30	b 0.9	b 0.1	b 0.4	0.6		a 0.6	b 0.4	0.4	b 0.1	0.9	0.4	b 0.1
31	b 0.4		b 0.2	b 0.6		115		b 0.4		b 0.6	b 0.9	
	41.7	145.3	249.8	57.7	32.2	220.5	674.5	11.2	4.6	10.4	33.4	15.0
MEAN	1.34	4.84	8.06	1.86	1.15	7.11	22.5	0.36	0.15	0.34	1.08	0.50
ACRE-FEET	82.7	288.	495.	114.	63.8	437.	1,340.	22.	9.1	21.	66.	30.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 4.11
ACRE-FEET 2,970.

STATION F37B-R
COMPTON CREEK near Greenleaf Drive

LOCATION: LAT. 33°52'53", LONG. 118°13'24", ON THE LEFT (EAST) BANK OF THE CONCRETE CHANNEL, 120 FEET SOUTH OF THE CENTERLINE OF GREENLEAF DRIVE AND ABOUT ONE AND ONE-HALF MILES SOUTHWEST OF COMPTON. ELEVATION OF ZERO GAGE HEIGHT 50.14 FEET.

DRAINAGE AREA: 23.3 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE:
AT STATION F37-R - JANUARY 22, 1928 TO JUNE 9, 1938.
AT STATION F37B-R - OCTOBER 3, 1938 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 2430 SECOND-FEET NOVEMBER 6.
MINIMUM: PLUS FLOW JANUARY 29.
1964-65
MAXIMUM: 3350 SECOND-FEET APRIL 9.
MINIMUM: 0.3 SECOND-FEET AT VARIOUS TIMES.
1928-65 (STATIONS F37-R AND F37B-R)
MAXIMUM: DISCHARGE NOT DETERMINED. OVERFLOWED BANKS MARCH 2, 1938.
MAXIMUM: DISCHARGE OF RECORD 4910 SECOND-FEET JANUARY 26, 1956
MINIMUM: NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F37B-R

Daily discharge, in second-feet of COMPTON CREEK near Greenleaf Drive, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.2	0.6	0.8	0.6	1.4	0.8	63	1.0	0.2	1.4	0.8	0.8
2	4.8	0.6	0.6	0.2	0.8	23	2.9	0.6	0.2	1.4	0.4	1.0
3	3.8	0.4	1.0	0.8	0.4	0.8	1.4	0.4	0.4	1.4	0.4	0.8
4	6.1	0.8	1.0	0.6	1.0	1.2	1.4	0.6	0.6	0.8	1.0	1.0
5	1.2	0.4	1.0	0.4	1.0	1.4	0.8	1.0	0.6	0.2	1.6	1.0
6	0.6	172	1.2	0.4	0.8	1.4	0.2	0.8	0.8	0.6	1.6	0.4
7	1.0	1.2	0.8	0.6	1.0	1.6	0.6	0.6	0.2	1.2	1.4	0.2
8	1.8	1.0	1.0	0.8	0.4	1.0	0.2	1.0	0.2	1.4	1.6	0.2
9	1.8	1.4	1.0	0.8	0.2	1.0	1.2	1.0	48	1.4	0.8	1.2
10	1.8	1.4	1.0	1.6	0.2	1.6	1.0	0.6	0.2	1.4	1.8	1.2
11	1.2	1.4	1.0	0.8	0.6	1.4	1.0	0.6	0.6	0.6	2.5	1.4
12	1.0	1.6	0.8	0.6	0.8	10.2	1.0	1.0	1.0	0.2	2.0	1.0
13	0.4	1.4	0.6	0.8	1.0	3.6	1.0	1.0	0.8	0.4	2.0	0.8
14	0.2	1.4	0.6	0.8	1.2	0.6	0.4	1.0	1.0	0.8	2.5	1.0
15	0.6	109	0.6	1.0	1.4	0.8	0.6	0.8	1.2	0.6	1.6	0.6
16	103	0.8	0.6	1.2	0.6	+	0.8	0.6	1.2	0.8	1.8	0.4
17	0.8	0.6	0.4	1.0	1.0	0.8	0.8	0.2	1.4	0.8	1.8	0.4
18	28	0.2	0.4	44	1.2	0.8	0.6	0.2	1.8	0.4	1.8	0.4
19	0.6	122	0.6	0.8	1.4	1.0	1.4	0.6	1.4	0.2	1.8	0.2
20	0.2	212	0.4	1.0	1.2	1.0	1.4	0.4	1.6	0.4	1.8	+
21	0.2	0.8	0.4	130	1.6	1.0	1.8	0.6	1.2	1.2	1.4	0.4
22	0.8	0.6	0.4	141	1.6	146	2.0	0.4	0.6	1.0	1.4	0.6
23	0.8	0.8	0.2	1.0	1.8	32	2.0	0.6	1.0	1.0	0.8	1.0
24	0.6	0.8	0.4	0.4	1.8	9.9	2.0	0.4	1.2	1.2	1.0	1.6
25	0.6	0.6	0.4	0.4	2.0	1.2	1.8	0.4	0.8	0.8	1.4	1.8
26	0.8	0.6	0.4	0.2	2.0	1.2	1.4	0.6	1.2	0.4	1.2	1.6
27	0.4	0.8	1.0	0.4	1.4	1.2	1.4	0.6	0.6	0.6	1.0	1.0
28	0.4	0.8	1.0	0.6	1.0	1.2	1.6	0.6	1.0	1.0	1.0	1.2
29	1.0	0.6	0.8	+	1.0	1.0	0.8	0.2	1.0	1.2	0.8	1.0
30	1.2	0.8	0.4	0.8		1.2	0.8	0.2	1.0	1.0	0.4	1.0
31	0.8		0.8	1.0		8.8		0.2		1.2	0.4	
	171.7	637.4	21.6	334.6	31.8	258.7	97.3	18.8	73.0	27.0	41.8	25.2
MEAN	5.54	21.2	0.70	10.8	1.1	8.34	3.2	0.61	2.4	0.87	1.35	0.84
ACRE-FEET	341.	1260.	43.	664.	63.	513.	193.	37.	145.	54.	83.	50.

Remarks:

YEAR OR PERIOD MEAN 4.75
ACRE-FEET 3450.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F37B-R

Daily discharge, in second-feet of COMPTON CREEK near Greenleaf Drive, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8	0.6	0.6	0.4	1.6	0.9	66	0.8	0.6	0.6	0.6	0.8
2	2.3	0.4	0.6	0	1.9	0.6	129	0.4	0.8	0.6	0.8	1.2
3	1.9	0.8	0.6	0.3	1.9	0.4	161	0.6	0.4	0.4	0.9	1.6
4	1.6	0.6	0.6	1.2	1.9	0.6	54	0.8	0.4	0.2	1.2	0.8
5	1.9	0.6	0.4	1.6	13.0	0.6	1.9	0.9	0.2	0.2	1.2	0.6
6	1.9	0.8	0.3	1.6	15.0	0.4	0.9	0.8	0.2	0.4	1.6	2.3
7	1.9	0.8	0.3	26	0.9	0.9	2.3	0.8	0.4	0.9	1.2	0.6
8	1.9	0.8	0.2	0.8	0.8	0.4	424	0.6	0.4	0.8	0.9	0.4
9	1.6	125	0.3	0.9	0.9	0.8	318	0.4	0.4	0.9	1.6	0.8
10	1.2	61	0.2	0.8	0.9	0.8	6.1	0.6	0.8	0.8	2.9	1.2
11	0.9	2.3	0.2	1.2	0.9	33	0.8	0.9	0.8	0.4	5.1	0.4
12	1.2	2.6	0.2	1.6	0.9	11.5	18.8	0.8	0.6	0.6	2.3	0.3
13	1.6	0.6	0.2	1.2	0.9	87	5.0	0.8	0.6	0.9	2.6	0.8
14	1.2	0	0.3	1.2	0.6	3.9	0.9	0.8	0.8	0.9	4.	0.9
15	1.6	0.6	0.6	1.6	0.6	36	0.8	0.8	0.8	0.9	2.6	0.9
16	1.9	0.2	0.6	1.6	0.9	0.9	0.8	0.4	0.8	0.9	1.9	0.6
17	2.3	70	0.4	1.2	0.9	0.9	0.9	0.5	0.6	0.8	2.3	0.2
18	1.6	1.6	5.9	1.2	1.2	0.9	0.6	0.9	0.6	0.4	2.3	27
19	1.6	0.3	42	1.9	1.2	0.8	0.4	0.9	0.4	0.8	2.6	0.8
20	1.9	0.4	131	1.9	0.9	0.8	0.9	0.8	0.3	1.2	2.9	0.4
21	1.9	0.4	2.9	1.6	0.6	0.6	0.8	0.9	0.2	1.2	1.2	0.3
22	1.9	0.8	1.2	1.6	0.6	0.8	0.6	0.8	0.4	1.2	0.9	0.3
23	0.9	0.8	1.2	1.2	0.8	0.9	0.8	0.6	0.3	1.6	1.2	0.3
24	0.6	0.4	0.9	38	1.2	0.9	0.9	0.6	0.3	0.8	1.5	0.4
25	0.4	0.4	0.6	1.2	1.6	0.9	0.9	1.2	0.2	0.4	1.9	0.4
26	0.6	0.3	1.2	1.6	1.6	1.2	0.8	0.9	0	0.6	1.9	0.6
27	0.9	0.2	198	1.6	1.5	0.9	0.9	0.9	0	0.6	2.6	0.4
28	8.1	0.6	19.5	1.9	1.2	0.8	0.6	0.9	0	0.4	2.3	0.4
29	33	0.2	1.6	1.6		0.8	0.9	0.9	0.4	0.6	1.2	0.4
30	1.6	0.4	0.8	1.2		1.0	0.8	0.8	0.4	1.6	0.8	0.4
31	0.9		0.6	1.2		224		0.8		1.2	1.6	
	83.6	274.5	413.0	100.9	63.0	415.1	1201.1	23.7	13.1	23.8	59.0	46.5
MEAN	2.70	9.15	13.32	3.25	2.25	13.4	40.0	0.76	0.44	0.77	1.90	1.55
ACRE-FEET	166.	544.	819.	200.	125.	823.	2,380.	47.	26.	47.	117.	92.

Remarks:

YEAR OR PERIOD MEAN 7.44
ACRE-FEET 5,390.

STATION F354–R
COYOTE CREEK below Spring Street

LOCATION: LAT. 33°48'38", LONG. 118°04'28", ON THE RIGHT (WEST) BANK OF THE CHANNEL, 241 FEET SOUTHERLY FROM CENTERLINE OF SPRING STREET BRIDGE, APPROXIMATELY 7.5 MILES NORTHEAST OF LONG BEACH. ELEVATION OF ZERO GAGE GEIGHT 7.37 FEET.

DRAINAGE AREA: 185 SQUARE MILES. (SEE REMARKS)

CHANNEL AND CONTROL: TRAPEZOIDAL CONCRETE CHANNEL 235 FEET WIDE AT TOP, 150 FEET WIDE AT BOTTOM BY 24 FEET DEEP WITH A LOW FLOW CHANNEL NEXT TO THE STATION.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING, HIGH FLOWS MEASURED FROM A CABLEWAY AT THE GAGE.

RECORDER: A CONTINUOUS RECORDER AND SERVO–MANOMETER WERE IN SERVICE FROM DECEMBER 17, 1963, TO SEPTEMBER 30, 1965.

REGULATION AND DIVERSIONS: DRAINAGE AREA INCLUDES 32 SQUARE MILES IN CARBON CANYON ABOVE PLACENTIA. FLOOD FLOWS OVER 100. CFS FROM THIS AREA WILL BE DIVERTED TO SANTA ANA RIVER. PARTIALLY REGULATED BY FULLERTON DAM, BREA DAM AND CARBON CANYON DAM.

RECORDS AVAILABLE: AT STATION F41–R, STREAM FLOW MEASUREMENTS ONLY FROM DECEMBER 1, 1928, TO JANUARY 14, 1930; RECORDER RECORDS FROM JANUARY 14, 1930, TO OCTOBER 30, 1936. AT STATION F41B–R, OCTOBER 30, 1936, TO FEBRUARY 17, 1937; AT STATION F41C–R, FEBRUARY 18, 1937, TO FEBRUARY 8, 1956; AT STATION F320–R, FEBRUARY 9, 1956, TO JULY 2, 1963; AT STATION F354–R, DECEMBER 17, 1963, TO SEPTEMBER 30, 1965. STATIONS F41–R, F41B–R, AND F41C–R WERE AT DEL AMO STREET. STATION F320–R WAS AT CENTRALIA ROAD.

EXTREMES OF DISCHARGE:

1963–64
MAXIMUM: NOT DETERMINED NOVEMBER 15.
MINIMUM: PLUS FLOW AT VARIOUS TIMES.

1964–65
MAXIMUM: 3350 SECOND–FEET APRIL 9.
MINIMUM: 0.3 SECOND–FOOT AT VARIOUS TIMES.

1929–65
(STATIONS F41–R, F41B–R, F41C–R, F320–R, AND F354–R).
MAXIMUM: 7360 SECOND–FEET JANUARY 18, 1952. (STATION F41C–R)
MINIMUM: NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

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

7ED74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F354–R

Daily discharge, in second-feet of COYOTE CREEK below Spring Street, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e 0.9	e 0.2	e 0.4	d 0.2	2.7	2.0	92	a 1.8	1.6	1.6	2.3	1.2
2	0.6	0.4	0.7	0.2	3.5	2.7	3.9	2.5	2.0	2.0	3.1	1.6
3	0.6	0.4	0.4	0.2	2.7	b 1.2	2.0	3.2	1.6	2.3	3.9	2.0
4	0.9	0.2	0.2	0.2	1.6	b 0.8	1.2	3.8	0.8	2.3	1.6	1.6
5	0.6	0.2	0.2	0.4	2.0	b 0.4	1.6	4.4	0.8	0.8	1.6	1.6
6	0.6	182	0.2	0.3	2.3	0.4	1.6	5.1	1.2	2.7	0.8	1.2
7	0.6	0.9	0.2	0.4	3.1	0.8	2.0	5.8	1.2	2.7	0.4	1.6
8	0.6	0.6	0.1	0.3	3.1	3.1	2.0	5.3	0.4	2.0	0.8	0.4
9	0.7	0.3	0.2	0.4	3.5	0.8	1.2	4.8	16.1	0.8	1.2	0.4
10	0.9	0.2	0.2	d 0.6	3.1	0.4	2.3	4.3	6.0	0.8	1.6	1.2
11	0.7	0.2	0.2	1.2	3.1	0.4	4.4	3.8	0.8	0.4	0.8	1.2
12	0.6	0.2	0.2	1.2	3.1	0.4	6.0	3.3	0.8	0.4	0.8	1.2
13	0.7	0.2	0.4	0.8	1.6	0.8	4.4	2.8	1.2	1.6	0.8	1.2
14	0.6	0.2	0.4	0.8	0.4	b 0.8	4.4	2.3	0.8	1.6	0.8	1.6
15	0.7	1,190	0.3	1.2	+	b 0.8	6.0	d 3.9	1.2	1.2	0.8	0.4
16	130	0.9	0.2	1.2	+	b 0.8	6.6	6.0	1.6	2.3	1.2	1.6
17	0.4	0.2	0.3	1.2	+	0.8	6.0	7.1	1.6	2.3	0.8	2.0
18	4.0	+	0.2	1.6	0.8	1.2	3.5	2.7	3.1	0.8	3.1	3.9
19	0.2	265	0.2	0.8	0.8	2.0	5.5	1.2	2.7	0.8	1.2	q 3.4
20	0.4	800	0.4	1.6	0.8	1.6	5.0	0.4	5.0	0.2	0.8	2.9
21	0.2	2.9	0.2	289	0.4	1.2	4.4	0.4	5.0	0.2	3.1	2.3
22	0.2	1.1	0.5	85	0.8	197	3.5	0.8	3.5	0.2	6.0	1.8
23	0.4	0.6	0.3	5.5	0.8	175	1.6	0.4	2.7	0.4	2.3	1.3
24	0.4	0.2	0.3	0.4	0.8	50	0.4	0.4	2.7	0.2	3.5	0.8
25	0.4	0.2	0.1	+	0.8	b 3.1	e 0.2	0.8	2.7	0.2	3.1	1.8
26	0.6	0.7	0.2	0.8	1.2	2.7	e 0.2	0.2	1.6	0.8	2.3	2.9
27	0.4	0.6	0.1	a 1.2	0.8	1.6	e 0.2	1.2	1.6	0.4	1.6	3.1
28	0.2	0.2	0.2	c 1.6	0.8	0.8	0.4	1.2	2.0	0.8	2.0	a 5.0
29	0.2	0.2	0.4	2.7	1.2	0.4	3.1	0.8	2.7	0.8	1.6	6.0
30	0.3	e 0.4	0.2	2.3		0.4	e 1.2	0.8	1.6	0.8	3.1	3.5
31	e 0.2		e 0.4	2.3		2.7		1.6		0.8	2.7	
	148.8	2449.4	8.5	404.6	45.8	457.1	176.8	83.1	76.6	35.2	59.7	60.7
MEAN	4.8	81.6	0.27	13.0	1.58	14.7	5.89	2.68	2.55	1.14	1.93	2.02
ACRE-FEET	295.	4,860.	17.	802.	91.	907.	50.	165.	152.	70.	118.	120.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 10.9
ACRE-FEET 7,950.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F354-R

Daily discharge, in second-feet of COYOTE CREEK below Spring Street, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.7	0.5	a 1.2	1.9	1.2	1.7	821	2.3	1.3	2.6	1.5	2.1
2	0.5	0.6	1.2	2.9	1.5	1.3	148	2.6	1.4	2.8	1.3	1.9
3	0.4	0.6	1.2	3.0	1.5	1.4	384	2.3	1.5	2.6	1.2	a 1.9
4	0.3	0.7	1.2	3.0	1.2	1.2	167	2.6	1.7	2.3	1.5	1.8
5	1.1	4.8	1.3	2.8	4.0	1.1	4.4	2.1	1.7	2.8	1.9	1.8
6	1.9	0.8	1.3	2.8	153	10.7	1.7	1.7	1.7	2.8	2.3	1.7
7	2.8	0.8	1.4	44	5.9	25	a 5.0	1.9	1.5	3.2	2.8	1.7
8	4.4	1.1	1.4	3.4	1.4	1.9	a 800	1.5	1.5	2.1	3.0	1.6
9	3.4	100	1.4	1.7	1.2	1.4	792	2.1	1.4	2.6	2.3	1.6
10	1.7	49	a 1.5	1.7	1.1	1.3	172	2.3	1.5	2.1	2.3	1.6
11	0.6	3.6	1.9	1.5	0.8	23	5.1	2.3	1.2	1.9	3.0	1.6
12	0.5	5.9	1.7	1.5	0.7	12.6	4.4	3.0	1.7	2.3	6.0	1.6
13	0.4	1.4	a 1.8	1.4	0.8	175	8.2	3.0	1.7	1.7	1.7	1.5
14	0.3	0.7	a 1.8	1.0	1.1	3.4	2.3	3.0	1.9	2.1	1.5	1.5
15	0.4	0.6	1.9	1.1	1.3	348	2.1	3.0	1.5	2.6	1.5	1.5
16	0.8	0.8	1.4	1.5	1.3	3.2	1.9	2.8	2.3	3.2	2.1	1.5
17	0.8	163	1.2	2.3	1.3	1.9	1.9	3.0	2.1	2.3	2.6	1.5
18	1.4	27	1.2	2.3	1.3	1.5	2.1	2.8	2.1	2.1	2.8	25
19	1.3	2.8	1.1	2.1	1.3	1.5	2.8	a 1.9	2.6	1.9	2.6	12.0
20	0.7	1.3	98	1.5	1.3	1.4	3.2	a 2.1	2.3	2.1	2.8	a 1.7
21	0.6	1.2	9.6	1.3	1.5	1.4	5.9	2.6	2.1	1.9	3.0	1.7
22	1.0	1.4	1.5	1.2	1.9	1.3	2.1	2.1	2.1	1.9	2.8	1.9
23	1.0	1.3	1.2	1.2	1.9	1.2	2.8	1.9	2.3	2.1	2.3	1.9
24	0.6	1.3	1.4	115	1.9	1.2	2.6	1.7	2.3	1.9	2.3	1.7
25	1.0	1.4	1.4	2.6	2.6	1.1	2.6	1.5	2.3	2.8	2.6	1.9
26	1.1	1.3	1.2	1.3	1.9	1.0	2.3	1.3	2.1	2.8	2.6	1.7
27	0.6	1.3	277	1.3	1.5	1.5	2.3	1.2	2.1	2.3	2.1	2.3
28	1.2	1.2	131	1.3	1.7	1.5	2.6	1.3	2.1	2.3	2.3	2.3
29	3.8	1.1	7.4	1.4		1.4	2.6	1.5	2.6	2.3	2.3	1.9
30	2.6	1.0	3.0	1.4		1.7	2.8	1.5	2.8	2.1	1.9	1.4
31	1.0		2.6	1.3		427		1.2		1.5	2.3	
	38.9	378.5	562.4	212.6	199.1	1,058.8	3,357.7	66.1	57.4	72.0	73.2	85.8
MEAN	1.25	12.6	18.1	6.86	7.08	34.2	112.	2.13	1.91	2.32	2.36	2.86
ACRE-FEET	77	751.	1,120.	422.	393.	2,100.	6,660	131.	114.	143.	145.	170.

Remarks:

YEAR OR PERIOD MEAN 16.9
ACRE-FEET 12,220.

STATION F265-R
DOMINGUEZ CHANNEL at Carson Street

LOCATION: LAT. 33°49'53", LONG. 118°15'11", ON THE DOWNSTREAM SIDE OF THE CARSON STREET BRIDGE, ABOUT TWO MILES WEST OF DOMINGUEZ. ELEVATION OF ZERO GAGE HEIGHT 0.00 FEET.

DRAINAGE AREA: 58.7 SQUARE MILES; 56 SQUARE MILES PRIOR TO 1956. (54.5 SQUARE MILES 1956 TO JULY 1964)

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO MAY 7, 1964, AND NOVEMBER 9, 1964 TO SEPTEMBER 30, 1965.

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

DIVERSIONS: NONE.

RECORDS AVAILABLE: NOVEMBER 23, 1938 TO MAY 7, 1964. FOR PREVIOUS RECORDS SEE EARLIER REPORTS ON STATION F46-R, NIGGER SLOUGH AT WILMINGTON AVENUE.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 513 SECOND-FEET NOVEMBER 20.
MINIMUM: NOT DETERMINED.
1964-65
FLOWS NO LONGER DETERMINABLE DUE TO RECONSTRUCTION OF CHANNEL.
1938-64
MAXIMUM: 1720 SECOND-FEET JANUARY 26 AND 27, 1956.
MINIMUM: NO MEASURABLE FLOW. WATER PONDED AT GAGE.

REMARKS: CHANNEL RECONSTRUCTION CREATED A CONDITION WHEREIN TIDE WATER IS PONDED AT THE STATION AND DISCHARGES ARE INDETERMINABLE. RECORDING GAGE IS TO REMAIN IN SERVICE FOR OBSERVATION OF WATER SURFACE ELEVATION ONLY.

ACCURACY: POOR, DUE TO CHANNEL EXCAVATION UPSTREAM AND DOWNSTREAM OF STATION.

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

760764M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F265-R

Daily discharge, in second-feet of DOMINGUEZ CHANNEL at Carson Street, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	c 13	10	12	13	11	9.6	45	8.6	e 10	e 16	e 13	e 9.0
2	12	8.6	12	13	10	11	32	13	11	16	13	9.0
3	11	8.6	12	13	9.6	13	15	12	12	15	12	9.0
4	11	8.9	12	13	10	18	8.9	e 12	12	15	11	9.3
5	12	4.0	13	13	10	22	8.1	12	13	15	10	9.6
6	12	164	12	13	10	19	8.6	12	14	15	9.7	9.9
7	12	176	12	13	10	12	11	11	15	14	9.4	10
8	12	61	11	13	10	11	12	11	17	14	9.2	10
9	13	25	10	11	10	13	14	11	18	14	8.9	11
10	13	12	11	8.3	10	12	14	11	19	14	8.6	11
11	11	8.9	8.3	6.3	11	12	13	11	20	15	8.4	10
12	8.6	9.6	11	5.8	11	13	12	11	20	15	8.1	9.8
13	5.6	9.6	11	21	10	26	12	11	20	15	7.8	9.1
14	5.6	13	9.6	9.6	8.9	13	11	10	20	16	7.9	8.5
15	7.8	157	10	7.6	8.6	12	9.6	10	21	16	7.9	7.9
16	23	174	11	7.3	9.6	12	9.6	10	21	16	8.0	7.3
17	23	75	12	7.3	9.6	12	9.6	10	21	15	8.0	7.7
18	22	35	12	17	10	11	9.6	9.9	21	14	8.1	8.0
19	20	19	12	43	10	11	d 9.6	9.8	20	13	8.2	8.4
20	19	404	13	22	10	11	9.5	9.6	19	11	8.2	8.8
21	17	190	11	97	10	10	9.5	9.5	18	10	8.3	9.2
22	16	80	10	207	10	24	d 9.4	9.3	17	9.0	8.4	9.5
23	14	43	9.6	117	11	159	9.3	9.2	16	7.9	8.5	9.9
24	13	21	9.6	45	11	113	8.9	9.1	15	8.9	8.6	10
25	23	13	10	22	11	49	8.9	8.9	14	9.9	8.7	11
26	12	11	10	16	10	28	9.3	8.8	14	11	8.8	11
27	11	14	11	13	9.6	14	9.3	8.6	15	12	8.9	10
28	11	14	11	12	9.6	9.3	8.6	8.5	15	13	8.9	10
29	10	13	10	12	9.6	8.6	6.8	9.0	15	14	8.9	9.5
30	10	12	11	13		9.6	7.0	9.5	e 16	15	8.9	e 9.0
31	c 10		13	12		12		e 10		e 14	e 9.0	
	413.6	1794.2	343.1	836.2	291.1	710.1	361.1	316.3	499.0	418.7	281.3	282.4
MEAN	13.3	59.8	11.1	27.0	10.0	22.9	12.0	10.2	16.6	13.5	9.1	9.4
ACRE-FEET	820.	3,560.	860.	1,660.	577.	1,410.	716.	627.	990.	830.	558.	560.

Remarks:

YEAR OR PERIOD MEAN 17.9
ACRE-FEET 13,000.

STATION F210-R
DOMINGUEZ CHANNEL at Main Street

LOCATION: LAT. 33°51'18", LONG. 118°18'41", ON THE DOWNSTREAM SIDE OF MAIN STREET BRIDGE ABOUT 2½ MILES NORTHWEST OF TORRANCE. ELEVATION OF ZERO GAGE HEIGHT -0.14 FOOT.

CHANNEL AND CONTROL: NATURAL ADOBE CHANNEL.

RECORDS AVAILABLE: WATER-STAGE RECORDER RECORDS AVAILABLE FROM JANUARY 5, 1942 TO JANUARY 5, 1961 AND DECEMBER 27, 1961 TO APRIL 6, 1965.

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

REMARKS: STATION REMOVED APRIL 6, 1965 FOR CHANNEL CONSTRUCTION. THERE ARE NO PLANS TO REPLACE IT.

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

STATION F355–R
DOMINGUEZ CHANNEL at Henry Ford Avenue

LOCATION: LAT. 33°46'44", LONG. 118°14'23", ON THE RIGHT (WEST) SIDE OF THE CHANNEL ABOUT 200 FEET UPSTREAM OF THE HENRY FORD AVENUE BRIDGE, TWO MILES SOUTHEAST OF WILMINGTON. ELEVATION OF ZERO GAGE HEIGHT 0.00 FEET.

CHANNEL AND CONTROL: TRAPEZOIDAL EARTH CHANNEL, 200 FEET AND 150 FEET WIDE BY 11 FEET DEEP (TO SEA LEVEL) WITH PLACED ROCK RIP-RAP SIDES. CHANNEL FORMS CONTROL. THERE ARE SOME RESTRICTIONS IMPOSED BY THE HENRY FORD AVENUE BRIDGE AT EXTREMELY HIGH STAGES.

DISCHARGE MEASUREMENTS: NONE.

RECORDER: A SERVO-MANOMETER DRIVEN CONTINUOUS RECORDER WAS IN SERVICE FROM DECEMBER 18, 1963 TO SEPTEMBER 30, 1965.

REGULATION AND DIVERSIONS: NONE.

RECORDS AVAILABLE: DECEMBER 18, 1963 TO SEPTEMBER 30, 1965; WATER SURFACE RECORDS ONLY.

REMARKS: RECORDS OF WATER SURFACE ARE OBTAINED FOR THE PURPOSE OF OBSERVING TIDAL FLUCTUATIONS AND THE EFFECT OF OVER-RIDING STORM FLOWS. NO MEASUREMENTS ARE MADE NOR ESTIMATE OF DISCHARGE.

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

STATION F53–R
DUME CREEK at Pacific Coast Highway

LOCATION: LAT. 34°01'02", LONG. 118°48'57", ON THE DOWNSTREAM SIDE OF PACIFIC COAST HIGHWAY BRIDGE NEAR DUME POINT ABOUT 0.2 MILE FROM PACIFIC OCEAN, 22 MILES WEST OF SANTA MONICA. ELEVATION OF ZERO GAGE HEIGHT, 10.01 FEET.

DRAINAGE AREA: 8.8 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 15, 1930 TO NOVEMBER 26, 1937; NOVEMBER 3, 1938 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963–64
NO FLOW DURING ENTIRE YEAR.
1964–65
MAXIMUM: 153 SECOND-FEET APRIL 9.
MINIMUM: NO FLOW MOST OF YEAR.
1930–65
MAXIMUM: DISCHARGE NOT DETERMINED, MARCH 2, 1938.
MAXIMUM: DISCHARGE OF RECORD, 2750 SECOND-FEET, DECEMBER 31, 1933.
MINIMUM: NO FLOW MOST YEARS.

ACCURACY: POOR DURING HIGH FLOWS. FAIR DURING LOW FLOWS.

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

7507M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F53-R

Daily discharge, in second-feet of DUME CREEK at Pacific Coast Highway, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	20	0	0	0	0	0
10	0	0	0	0	0	0	16	0	0	0	0	0
11	0	0	0	0	0	0	0.4	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0		0		0		36.4		0		0	
		0		0		0		0		0		0
MEAN	0	0	0	0	0	0	1.21	0	0	0	0	0
ACRE-FEET	0	0	0	0	0	0	72.2	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.10
ACRE-FEET 72.2

STATION U2-R

EATON CREEK above Mouth of Canyon

LOCATION: LAT. 34°11'37", LONG. 118°06'13", ON RIGHT BANK, AT MOUTH OF CANYON JUST UPSTREAM FROM BRIDGE ON OLD MOUNT WILSON TOLL ROAD, AND 4.5 MILES NORTHEAST OF PASASENA. ALTITUDE OF GAGE ABOUT 1230 FEET.

DRAINAGE AREA: 6.47 SQUARE MILES.

RECORDS AVAILABLE: MARCH 1918 TO SEPTEMBER 30, 1965.

AVERAGE DISCHARGE: 47 YEARS, 2.01 SECOND-FEET. AVERAGE COMBINED DISCHARGE OF CREEK AND DIVERSION 42 YEARS, 3.13 SECOND-FEET.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 56 SECOND-FEET APRIL 1. (GAGE HEIGHT 2.32 FEET)
MINIMUM: NO FLOW MOST OF YEAR.
1964-65
MAXIMUM: 78 SECOND-FEET APRIL 1. (GAGE HEIGHT 2.48 FEET)
MINIMUM: NO FLOW MOST OF YEAR.
1918-1965
MAXIMUM: 2400 SECOND-FEET MARCH 2, 1938 FROM RECORD OF INFLOW TO EATON FLOOD CONTROL RESERVOIR.
MINIMUM: NO FLOW FOR SOME PERIODS IN EACH YEAR.

REMARKS: RECORDS FAIR. RECORDS DO NOT INCLUDE WATER DIVERTED ABOVE STATION BY CITY OF PASADENA.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY.

76D74M C6b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U2-R

Daily discharge, in second-feet of EATON CREEK above Mouth of Canyon, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	28	0	0	0	0	0
2	0	0	0	0	0	0	9.5	0	0	0	0	0
3	0	0	0	0	0	0	3.7	0	0	0	0	0
4	0	0	0	0	0	0	0.6	0	0	0	0	0
5	0	0	0	0	0	0	0.6	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	4.6	0	0	0	0	0	0	0	0
22	0	0	0	5.9	0	0.1	0	0	0	0	0	0
23	0	0	0	0.4	0	0.4	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	0.1	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	0	0	10.9	0	0.6	42.4	0	0	0	0	0
MEAN	0	0	0	0.35	0	0.02	1.41	0	0	0	0	0
ACRE-FEET	0	0	0	22.	0	1.2	84.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.15
ACRE-FEET 107.

76D74M C6b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U2-R

Daily discharge, in second-feet of EATON CREEK above Mouth of Canyon, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	16	0	0	0	0	0
2	0	0	0	0	0	0	24	0	0	0	0	0
3	0	0	0	0	0	0	17	0	0	0	0	0
4	0	0	0	0	0	0	14	0	0	0	0	0
5	0	0	0	0	0	0	8.3	0	0	0	0	0
6	0	0	0	0	0.4	0	3.2	0	0	0	0	0
7	0	0	0	0.4	0.2	0	1.2	0	0	0	0	0
8	0	0	0	0	0	0	21	0	0	0	0	0
9	0	3.6	0	0	0	0	29	0	0	0	0	0
10	0	2.7	0	0	0	0	25	0	0	0	0	0
11	0	1.7	0	0	0	0	13	0	0	0	0	0
12	0	0.8	0	0	0	0	12	0	0	0	0	0
13	0	0	0	0	0	0	8.2	0	0	0	0	0
14	0	0	0	0	0	0	4.7	0	0	0	0	0
15	0	0	0	0	0	0	9.0	0	0	0	0	0
16	0	0	0	0	0	0	10	0	0	0	0	0
17	0	0.8	0	0	0	0	5.3	0	0	0	0	0
18	0	0.6	0	0	0	0	1.0	0	0	0	0	0
19	0	0	0	0	0	0	0.9	0	0	0	0	0
20	0	0	2.3	0	0	0	0.4	0	0	0	0	0
21	0	0	1.9	0	0	0	0.2	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	0.3	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	4.5	0	0	0	0	0	0	0	0	0
28	0	0	1.9	0	0	0	0	0	0	0	0	0
29	0	0	0.5	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0.2		0		0	0	
	0	10.2	11.1	0.4	0.6	0.2	223.7	0	0	0	0	0
MEAN	0	0.34	0.36	0.01	0.02	0.01	7.46	0	0	0	0	0
ACRE-FEET	0	20.	22.	0.8	1.2	0.4	444.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.67
ACRE-FEET 488.

STATION F271-R
EATON WASH below Eaton Wash Dam

LOCATION: LAT. 34°10'04", LONG. 118°05'28", ON THE RIGHT (WEST) BANK OF THE CONCRETE OUTLET CHANNEL, 190 FEET BELOW THE BEGINNING OF THE OPEN SECTION AT THE BASE OF EATON WASH DAM ABOUT THREE MILES NORTHEAST OF PASADENA. ELEVATION OF GAGE 839.57 FEET.

DRAINAGE AREA: 12.0 SQUARE MILES. (REVISED)

CHANNEL AND CONTROL: CHANNEL – RECTANGULAR, CONCRETE, 12 FEET DEEP AND 26 FEET WIDE WITH 0.5-FOOT FILLETS. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM FOOTBRIDGE AT GAGE.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW REGULATED BY EATON WASH DAM.

DIVERSIONS: THE PASADENA WATER DEPARTMENT DIVERTS FLOW ABOVE THE MOUTH OF EATON CANYON.

RECORDS AVAILABLE: RESERVOIR OUTFLOW RECORDS FROM FEBRUARY 2, 1937 TO OCTOBER 10, 1940. RECORDER RECORDS FROM OCTOBER 10, 1940 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:

1963–64
MAXIMUM: 12 SECOND–FEET OCTOBER 4.
MINIMUM: NO FLOW MOST OF YEAR.

1964–65
MAXIMUM: 114 SECOND–FEET APRIL 9.
MINIMUM: NO FLOW MOST OF YEAR.

1940–65
MAXIMUM: 1080 SECOND–FEET, JANUARY 23, 1943.
MINIMUM: NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR, SEQUENCE OF GATES OPERATED AT EATON WASH DEBRIS DAM AFFECTS GAGE HEIGHT-DISCHARGE RELATION.

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

7AD74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F271-R

Daily discharge, in second-feet of EATON WASH below Eaton Wash Dam, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	+	+	0	0	+	0	0	0	0	0
2	0	0			0	0	0	0	0	0	0	0
3	0	+			0	0	0	0	0	0	0	0
4	0.5				0	0	0	0	0	0	0	0
5	+				0	0	0	0	0	0	0	0
6	+				0	0	0	0	0	0	0	0
7	0				0	0	0	0	0	0	0	0
8	0				0	0	0	0	+	0	0	0
9	0				0	0	0	0		0	0	0
10	0	+			0	0	0	0		0	0	0
11	0	0.1			0	0	0	8.2		0	0	0
12	0	0.1			0	0	0	6.9		0	0	0
13	0	0.1			0	0	0	+	+	0	0	0
14	0	0.1			0	0	0		0	0	0	0
15	+	0.1			0	0	0		0	0	0	0
16	0.1	+			0	0	0		0	0	0	0
17	0.1				0	0	0		0	0	0	0
18	0.1				0	0	0		0	0	0	0
19	0.1				0	0	0		0	0	0	0
20	0.1				0	0	0		0	0	0	0
21	0.1				0	0	0		0	0	0	0
22	0.1				0	+	0		0	0	0	0
23	0.1			+	0	0	0		0	0	0	0
24	0.1			0	0	0	0		0	0	0	0
25	1.0			0	0	0	0		0	0	0	0
26	+			0	0	0	0		0	0	0	0
27	+			0	0	0	0		0	0	0	0
28	+			0	0	0	0		0	0	0	0
29	0			0	0	0	0		0	0	0	0
30	0	+		0		0	0	+	0	0	0	0
31	0		+	0		0		0		0	0	
	2.4		+		0		+		+		0	
		0.5		+		+		15.1		0		0
MEAN	0.08	0.02	+	+	0	+	+	0.49	+	0	0	0
ACRE-FEET	4.8	1.0	+	+	0	+	+	30.	+	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.05
ACRE-FEET 36.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F271-R

Daily discharge, in second-feet of EATON WASH below Eaton Wash Dam, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.02	0.03	0	0.02	0.02	0.01	0	0	0	0
2	0	0	0.02	0.03	0	0.02	0.01	0	0	0	0	0
3	0	0	0.02	0.03	0	0.02	0.01	0.01	0	0	0	0
4	0	0	0.02	0.03	0	0.02	0.01	0	0	0	0	0
5	0	0	0.03	0.03	0	0.02	0.01	0	0	0	0	0
6	0	0	0.03	0.03	0	0.02	0.01	0	0	0	0	0
7	0	0	0.03	0.03	0	0.02	0.01	0	0	0	0	0
8	0	0	0.04	0.03	0	0.02	0.01	0	0	0	0	0
9	0	0.02	0.04	0.02	0	0.02	24	0	0	0	0	0
10	0	0.02	0.04	0.02	0	0.02	35	0	0	0	0	0
11	0	0.02	0.04	0.02	0	0.02	18.0	0	0	0	0	0
12	0	0.02	0.04	0.02	0	0.02	16.0	0	0	0	0	0
13	0	0.02	0.04	0.02	0	0.02	14.6	0	0	0	0	0
14	0	0.02	0.04	0.02	0	0.02	8.2	0	0	0	0	0
15	0	0.02	0.03	0.02	0	0.02	3.0	0	0	0	0	0
16	0	0.02	0.03	+	0.01	0.02	9.0	0	0	0	0	0
17	0	0.02	0.03		0.02	0.02	9.0	0	0	0	0	0
18	0	0.02	0.03		0.02	0.02	8.2	0	0	0	0	0
19	0	0.02	0.03		0.02	0.02	12.0	0	0	0	0	0
20	0	0.02	0.03		0.02	0.02	0.01	0	0	0	0	0
21	0	0.02	0.03		0.02	0.02	0.01	0	0	0	0	0
22	0	0.02	0.03		0.02	0.01	0.01	0	0	0	0	0
23	0	0.02	0.03		0.02	0.01	0.01	0	0	0	0	0
24	0	0.02	0.03		0.02	0.01	0.01	0.02	0	0	0	0
25	0	0.02	0.03	+	0.02	0.01	0	0.02	0	0	0	0
26	0	0.02	0.03	0	0.02	0.01	0	0	0	0	0	0
27	0	0.02	0.03	0	0.02	0.01	0	0	0	0	0	0
28	0	0.02	0.03	0	0.02	0.01	0	0	0	0	0	0
29	+	0.02	0.03	0		0.01	0.01	0	0	0	0	0
30	+	0.02	0.03	0		0.01	0.01	0	0	0	0	0
31	+		0.03	0		0.02		0		0	0	
	+	0.44	0.96	0.38	0.25	0.53	163.16	0.06	0	0	0	0
MEAN	+	0.01	0.03	0.01	0.01	0.02	5.44	+	0	0	0	0
ACRE-FEET	+	0.87	1.9	0.75	0.50	1.0	324.	0.1	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.45
ACRE-FEET 329.

STATION F318-R
EATON WASH at Loftus Drive

LOCATION: LAT. 34°04'24", LONG. 118°03'18", ON THE RIGHT (WEST) WALL OF THE CHANNEL 52 FEET ABOVE THE CENTERLINE OF EAST LOFTUS DRIVE BRIDGE, 1.3 MILES WEST OF EL MONTE. ELEVATION OF ZERO GAGE HEIGHT 252.21 FEET.

DRAINAGE AREA: 22.4 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE, 60 FEET WIDE, 11.3 FEET DEEP WITH 0.75 FOOT RISE TO BOTTOM OF LEFT WALL TO KEEP LOW FLOWS AT STATION.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: PARTIALLY REGULATED BY EATON DAM.

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

RECORDS AVAILABLE: AT STATION F104-R, ELLIS LANE, FROM OCTOBER 1, 1930 TO DECEMBER 27, 1930; AT STATION F104B-R, BROADWAY, FROM DECEMBER 28, 1930 TO NOVEMBER 10, 1931; AT STATION F104-R, ELLIS LANE, FROM NOVEMBER 10, 1931 TO MAY 4, 1955 (REMOVED FOR CHANNEL CONSTRUCTION); AT STATION F318-R, LOFTUS DRIVE, FROM FEBRUARY 23, 1956 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 2360 SECOND-FEET NOVEMBER 20.
MINIMUM: 0.1 SECOND-FOOT SEPTEMBER 6.
1964-65
MAXIMUM: 2150 SECOND-FEET APRIL 9.
MINIMUM: 0.2 SECOND-FOOT AT VARIOUS TIMES.
1930-65
MAXIMUM: 3480 SECOND-FEET JANUARY 6, 1959.
MINIMUM: NO FLOW PART OF MOST YEARS.

ACCURACY: GOOD.

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

75D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F318-R

Daily discharge, in second-feet of EATON WASH at Loftus Drive, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.3	1.5	0.4	0.3	0.4	0.4	186	0.6	1.5	1.2	0.5	1.5
2	3.0	1.2	1.2	0.4	0.4	22	0.5	0.3	1.8	1.2	0.3	1.2
3	3.0	1.2	1.5	0.4	0.3	0.4	0.5	0.4	1.5	0.4	1.2	1.2
4	3.0	0.9	0.5	0.4	0.3	0.4	0.4	1.2	1.5	0.2	1.2	1.2
5	3.0	0.9	0.4	0.4	0.4	0.4	0.4	0.9	1.5	0.2	1.2	0.2
6	3.0	51	0.4	0.4	0.3	1.2	0.4	1.5	0.4	0.9	1.2	0.1
7	3.0	0.6	0.3	0.4	0.3	0.5	1.2	0.9	0.4	0.9	1.2	0.2
8	3.0	0.9	0.3	0.4	0.3	0.3	1.5	1.5	2.8	0.9	1.2	1.2
9	3.0	0.5	0.4	0.4	0.3	0.3	1.8	0.6	11.2	0.9	1.5	1.2
10	3.0	0.6	0.4	0.4	0.5	0.5	1.8	0.5	1.2	0.9	0.9	1.2
11	3.0	1.2	0.4	0.6	0.4	0.5	0.4	1.5	1.2	0.6	1.2	1.5
12	2.1	1.5	0.4	0.4	0.3	20	0.4	1.5	0.9	0.2	1.2	1.5
13	0.9	1.5	0.3	0.3	0.4	1.5	1.5	1.2	0.4	0.5	1.2	0.3
14	2.1	1.2	0.3	0.4	0.4	0.3	1.5	2.1	0.2	0.6	1.2	1.2
15	3.0	47	0.3	0.4	0.3	0.3	1.8	1.5	0.9	1.8	1.2	1.2
16	51	0.4	0.3	0.3	0.2	0.9	2.4	0.5	1.5	1.8	0.2	1.2
17	7.3	0.3	0.4	0.3	0.4	1.2	1.5	0.4	1.2	1.8	1.2	1.2
18	20	0.3	0.4	1.3	0.4	0.6	0.4	1.5	0.9	0.6	1.2	0.9
19	0.4	36	0.4	0.3	0.6	0.9	8.9	1.8	1.2	0.3	1.2	1.2
20	1.2	227	0.4	0.3	0.9	1.5	0.3	0.9	0.4	1.5	1.2	1.5
21	1.5	1.5	0.4	140	0.4	0.4	0.9	1.8	0.3	1.5	1.2	1.5
22	1.8	0.9	0.4	126	0.4	134	0.5	2.4	1.2	1.5	1.2	1.5
23	1.8	0.4	0.4	1.5	0.4	45	0.9	0.9	1.2	1.2	0.4	1.5
24	2.1	0.4	0.3	1.2	0.4	6.6	1.5	0.6	1.2	1.2	1.5	1.2
25	2.1	0.9	0.3	0.5	0.4	0.6	0.5	2.4	1.8	1.2	1.2	1.2
26	3.0	1.8	0.6	0.4	0.4	0.4	0.4	2.7	1.2	1.2	1.2	1.5
27	3.0	1.8	0.4	0.4	0.6	0.9	0.9	2.4	0.4	1.2	1.2	0.2
28	1.8	1.5	0.4	0.4	1.2	0.4	6.5	2.1	0.3	1.2	1.2	0.4
29	3.0	1.2	0.3	0.4	0.5	0.4	2.4	0.4	1.5	1.2	1.2	0.9
30	3.0	0.5	0.4	0.4		1.2	1.8	0.4	1.5	1.2	0.2	0.9
31	2.4		0.6	0.4		44		0.4		1.2	1.2	
	146.8	386.6	13.9	280.1	12.5	288.0	229.9	37.8	43.2	31.2	33.1	31.7
MEAN	4.74	12.9	0.45	9.04	0.43	9.29	7.66	1.22	1.44	1.01	1.07	1.06
ACRE-FEET	291.	767.	28.	556.	25.	571.	456.	75.	86.	62.	66.	63.

Remarks:

YEAR OR PERIOD MEAN 4.19
ACRE-FEET 3050.

75D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F318-R

Daily discharge, in second-feet of EATON WASH at Loftus Drive, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.2	2.1	0.4	0.3	0.4	0.4	173	2.1	0.3	2.4	0.5	2.4
2	1.5	1.5	0.4	0.3	0.6	0.9	36	2.1	0.3	1.8	2.1	2.4
3	0.9	1.8	0.6	0.3	0.4	5.7	42	7.8	0.4	0.4	1.8	2.1
4	2.1	2.1	0.9	0.3	0.5	4.3	18.9	1.2	0.4	0.4	2.4	2.1
5	1.5	2.7	0.4	0.3	7.4	0.4	0.6	0.9	0.4	1.2	2.7	3.9
6	1.5	1.2	0.3	0.5	27	0.3	0.5	0.9	0.4	2.1	2.4	19.3
7	1.8	0.4	0.3	33	0.4	24	6.7	0.9	0.4	2.1	1.5	1.5
8	1.5	0.4	0.4	0.4	0.3	0.5	234	0.4	0.4	2.1	0.4	1.5
9	1.5	96	0.4	0.3	0.3	0.4	254	0.3	0.5	2.1	1.8	0.9
10	1.8	80	0.4	0.3	0.3	0.4	4.1	0.9	0.9	2.1	2.1	2.1
11	0.4	0.4	0.4	0.3	0.4	2.5	2.1	1.8	0.7	0.9	4.7	1.8
12	1.2	3.2	0.4	0.3	0.4	10.3	2.7	1.5	2.4	2.4	19.2	0.4
13	1.5	0.3	0.4	0.4	0.3	32	1.8	0.5	0.4	2.1	2.1	1.8
14	0.9	0.3	0.5	0.3	0.3	3.7	0.6	1.2	0.6	2.1	2.1	2.1
15	0.9	0.2	0.4	0.3	0.3	16.0	0.6	0.9	0.6	2.1	2.4	2.1
16	1.2	0.2	0.4	0.3	0.3	1.2	0.5	0.5	0.4	2.4	2.4	2.4
17	0.5	60	0.4	0.4	0.3	0.5	0.3	1.8	0.5	2.4	2.4	6.1
18	0.3	0.4	0.4	0.5	0.5	0.5	0.4	1.5	0.5	1.2	2.4	47
19	0.9	0.3	7.1	0.4	0.9	0.5	0.9	1.2	1.2	2.1	2.4	19.3
20	0.9	0.3	51	0.3	0.3	0.3	1.2	2.1	0.4	2.4	2.4	1.2
21	1.8	0.3	0.9	0.3	0.3	0.3	0.9	2.4	0.9	2.4	2.7	2.4
22	1.5	0.3	0.4	0.4	0.3	0.9	0.9	1.5	0.6	2.4	2.7	2.1
23	0.9	0.4	0.4	0.3	0.3	0.6	0.9	0.3	0.4	2.4	2.4	2.1
24	1.5	0.6	0.4	27	0.4	0.6	0.4	0.4	0.5	1.8	2.4	2.4
25	0.3	0.5	0.3	0.3	0.5	0.4	0.4	0.9	0.6	0.6	2.4	1.5
26	0.3	0.3	1.5	0.3	0.3	0.6	1.2	2.4	0.3	2.4	2.4	0.9
27	2.9	0.4	65	0.3	0.3	0.3	1.8	2.4	0.4	2.4	2.7	2.7
28	2.0	0.3	5.8	0.3	0.3	0.3	1.8	1.5	0.9	2.1	2.7	2.1
29	24	0.3	0.3	0.4		1.2	1.8	0.4	1.5	1.8	2.4	2.4
30	1.2	0.9	0.3	0.3		1.8	1.8	0.3	0.9	2.4	2.4	2.4
31	1.2		0.3	0.3		62		0.4		1.8	2.4	
	61.6	258.1	141.5	69.7	44.3	173.8	792.8	43.4	19.1	59.3	87.8	143.4
MEAN	1.99	8.60	4.56	2.25	1.58	5.60	26.4	1.40	0.64	1.91	2.83	4.78
ACRE-FEET	122.	512.	281.	138.	88.	345.	1,570.	86.	38.	118.	174.	284.

Remarks:

YEAR OR PERIOD MEAN 5.19
ACRE-FEET 3,760.

STATION F296–R

EVEY CANYON CREEK at Camp Baldy Road

LOCATION: LAT. 34°09'47", LONG. 117°40'52", ON THE RIGHT (SOUTH) WING WALL AT DOWNSTREAM END OF CULVERT UNDER CAMP BALDY ROAD, 4¾ MILES NORTHEAST OF CLAREMONT. ELEVATION OF ZERO GAGE HEIGHT ABOUT 2280 FEET.

DRAINAGE AREA: 1.53 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL GENERALLY FILLED WITH SAND, ROCK, AND GRAVEL, SUBJECT TO SHIFTING CONDITIONS. THERE IS A SUBMERGED DAM ABOUT 40 FEET DOWNSTREAM THAT ACTS AS A CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS NOT MEASURED.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: MEASUREMENTS FROM OCTOBER 21, 1948; CONTINUOUS RECORD FROM DECEMBER 17, 1956 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:

1963–64
MAXIMUM: 2.3 SECOND–FOOT JANUARY 22.
MINIMUM: NO FLOW PART OF YEAR.

1964–65
MAXIMUM: 7.0 SECOND–FEET SEPTEMBER 18.
MINIMUM: NO FLOW VARIOUS DAYS.

1957–65
MAXIMUM: 32 SECOND–FEET FEBRUARY 11, 1959.
MINIMUM: NO FLOW AT VARIOUS TIMES.

ACCURACY: POOR.

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

76D74M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F296-R

Daily discharge, in second-feet of EVEY CANYON CREEK at Camp Baldy Road, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	b 0.02	b 0.01	b 0.03	b 0.02	0.5	0.09	0.04	0.05	0	0
2	0	b 0.01	0.02	0.01	0.03	0.1	b 0.4	0.09	0.04	0.04	0	0
3	0	0.01	0.02	0.01	0.03	b 0.03	0.4	0.09	0.04	0.02	0	0
4	0	0.01	0.02	0.01	0.03	0.02	0.3	0.1	0.04	0.01	0	0
5	0	0.01	0.02	0.01	0.03	0.02	0.3	0.1	0.04	0	0	0
6	0	0.01	0.02	0.01	0.03	0.02	0.2	0.2	0.04	0	0	0
7	0	0.01	0.02	0.01	0.03	0.02	0.2	0.1	0.04	0	0	0
8	0	0.01	0.02	0.01	0.03	0.02	0.1	0.09	0.05	0	0	0
9	0	0.01	0.02	0.01	0.03	0.02	b 0.1	0.07	0.07	0	0	0
10	0	0.01	0.02	0.01	0.02	0.02	0.09	0.05	0.05	0	0	0
11	0	0.01	0.02	0.01	0.02	0.02	0.09	0.05	0.05	0	0	0
12	0	0.01	0.02	0.01	0.02	0.02	0.09	0.05	0.05	0	0	0
13	0	0.01	0.02	0.01	0.02	0.02	0.09	0.05	0.05	0	0	0
14	0	0.01	0.02	0.01	0.02	0.02	0.07	0.05	0.04	0	0	0
15	0	0.01	0.02	0.01	0.02	0.02	0.07	0.05	0.04	0	0	0
16	0	0.01	0.02	0.01	0.02	0.02	0.07	0.05	0.03	0	0	0
17	0	0.01	0.02	0.01	0.02	0.02	0.07	0.05	0.03	0	0	0
18	b +	0.01	0.01	0.01	0.02	0.02	0.07	0.05	0.04	0	0	0
19	0	b 0.04	0.01	0.01	0.02	0.02	0.07	0.05	0.04	0	0	0
20	0.01	0.3	0.01	b 0.01	0.02	0.02	0.07	0.05	0.05	0	0	0
21	0.01	b 0.1	0.01	0.3	0.02	b 0.02	0.09	0.05	0.05	0	0	0
22	0.01	0.01	0.01	0.4	0.02	0.1	0.09	0.05	0.05	0	0	0
23	0.01	0.01	0.01	0.1	0.02	0.2	0.1	0.05	0.04	0	0	0
24	0.01	0.01	0.01	b 0.08	0.02	b 0.08	0.09	0.04	0.03	0	0	0
25	0.01	0.01	0.01	0.07	0.02	0.06	0.09	0.04	0.04	0	0	0
26	b 0.01	0.01	0.01	0.06	0.02	0.05	0.09	0.04	0.04	0	0	0
27	0	0.02	0.01	0.05	0.02	0.05	0.09	0.04	0.04	0	0	0
28	0	0.02	0.01	0.04	b 0.02	0.04	0.1	0.04	0.04	0	0	0
29	0	0.02	0.01	0.03	b 0.02	0.04	0.09	0.04	0.04	0	0	0
30	0	b 0.02	0.01	0.03		0.04	0.09	0.04	0.05	0	0	0
31	0		b 0.01	b 0.03		b 0.06		0.04		0	0	
	0.07		0.48		0.67		4.27		1.29		0	
		0.74		1.39		1.23		1.95		0.12		0
MEAN	+	0.02	0.02	0.04	0.02	0.04	0.14	0.06	0.04	+	0	0
ACRE-FEET	0.1	1.5	1.0	2.8	1.3	2.5	8.5	3.9	2.6	0.2	0	0

Remarks:

YEAR OR PERIOD MEAN 0.01
ACRE-FEET 24.4

7SD14M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F296-R

Daily discharge, in second-feet of EVEY CREEK at Camp Baldy Road, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.02	0.05	a 0.02	a 0.04	0.5	+	+	+	0	0
2	0	0	0.02	0.05	| 0.02	| 0.04	0.7	|	|	|	0	0
3	0	0	0.02	0.05	| 0.02	| 0.04	0.5	|	|	|	0	0
4	0	0	0.02	0.05	e 0.02	a 0.04	0.4	|	|	|	0	0
5	0	0	0.02	0.05	+	0.03	0.2	|	|	|	0	0
6	0	0	0.02	0.05	0.08	0.03	0.1	|	|	|	0	0
7	0	0	0.02	0.1	+	0.03	0.1	|	|	|	0	0
8	0	0	0.02	0.1	+	0.04	0.6	|	|	|	0	0
9	0	0.01	0.02	0.1	+	0.04	1.5	|	|	|	0	0
10	0	0.1	0.02	a 0.03	0.04	0.03	2.3	|	|	|	0	0
11	0	0.02	0.02	| 0.03	0.04	0.03	0.7	|	|	+	0	0
12	0	0.02	e 0.02	| 0.03	0.04	0.04	0.4	|	|	0	0	0
13	0	0	0.02	a 0.03	0.04	0.09	0.4	|	|	0	0	0
14	0	0	0.02	0.03	0.04	0.08	0.4	|	|	0	0	0
15	0	0.02	0.02	0.02	0.04	0.07	0.2	|	|	0	0	0
16	0	0.05 *	0.02	0.02	0.03	0.05	+	|	|	0	0	0
17	0	0.3	0.03	0.02	0.03	0.05	|	|	|	0	0	0
18	0	0.07	0.03	0.02	0.03	0.05	|	|	|	0	0	0.1
19	0	0.05	0.04	0.02	0.03	0.05	|	|	|	0	0	0
20	0	0.05	e 0.04	0.02	0.03	0.04	|	|	|	0	0	0
21	0	0.04	0.04	0.03	0.03	0.04	|	|	|	0	0	0
22	0	0.04	0.04	0.03	0.03	0.04	|	|	|	0	0	0
23	0	0.03	0.04	e 0.03	0.04	0.05	|	|	|	0	0	0
24	0	0.03	0.04	0.03	0.04	0.06	|	|	|	0	0	0
25	0	0.02	0.04	0.03	0.04	0.06	|	|	|	0	0	0
26	0	0.02	0.04	0.04	0.03	0.06	|	|	|	0	0	0
27	0	0.02	0.3	0.05	0.03	0.05	|	|	|	0	0	0
28	0	0.02	0.5	0.05	0.03	0.05	|	|	|	0	0	0
29	0	0.02	0.05	0.04		0.05	|	|	|	0	0	0
30	0	0.02	0.05	0.04		0.05	+	|	+	0	0	0
31	0		0.05	e 0.04		0.1		+		0	0	
	0	0.95	1.65	1.28	0.82	1.52	9.0	+	+	+	0	0.1
MEAN	0	0.03	0.05	0.04	0.03	0.05	0.30	+	+	+	0	+
ACRE-FEET	0	1.9	3.3	2.5	1.6	3.0	17.9	+	+	+	0	0.2

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.04
ACRE-FEET 30.

STATION U7-R
FISH CREEK above Mouth of Canyon

LOCATION: LAT. 34°10'00", LONG. 117°55'25", ON LEFT BANK, 0.8 MILE UPSTREAM FROM MOUTH OF CANYON AND THREE MILES NORTHEAST OF DUARTE. ALTITUDE OF GAGE ABOUT 1000 FEET.

DRAINAGE AREA: 6.36 SQUARE MILES. (REVISED)

RECORDS AVAILABLE: JULY TO SEPTEMBER 1916; JULY 1917 TO SEPTEMBER 30, 1965.

AVERAGE DISCHARGE: 48 YEARS (1917-1965) 3.68 SECOND-FEET.

EXTREMES OF DISCHARGE:
- 1963-64
  - MAXIMUM: 178 SECOND-FEET JANUARY 21. (GAGE HEIGHT 3.50 FEET)
  - MINIMUM: NO FLOW ON VARIOUS DAYS.
- 1964-65
  - MAXIMUM: 163 SECOND-FEET APRIL 9. (GAGE HEIGHT 3.56 FEET)
  - MINIMUM: NO FLOW AT VARIOUS TIMES.
- 1916-65
  - MAXIMUM: DISCHARGE ABOUT 2100 SECOND-FEET. (REVISED) MARCH 2, 1938 AND JANUARY 23, 1943.
  - MINIMUM: NO FLOW DURING PERIODS IN OCCASIONAL YEARS.

REMARKS: RECORDS GOOD FOR LOW FLOWS AND POOR FOR HIGH FLOWS. NO DIVERSIONS OR REGULATION ABOVE STATION.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY. 16 MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

75D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U7-R

Daily discharge, in second-feet of FISH CREEK above Mouth of Canyon, for the year ending September 30, 1964

Day	Oct	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.4	0.5	0.5	1.2	0.9	25	1.5	0.4	0.2	0	0.1
2	0.4	0.5	0.5	0.5	1.1	1.0	8.1	1.2	0.4	0.2	0	0.1
3	0.4	0.6	0.5	0.4	1.0	0.7	5.8	1.2	0.5	0.1	0	0.1
4	0.4	0.7	0.5	0.4	0.9	0.6	4.7	1.2	0.5	0.1	0	0.1
5	0.4	0.5	0.5	0.4	0.8	0.6	3.9	1.2	0.5	0.1	0	0.1
6	0.4	1.2	0.5	0.5	0.8	0.6	3.5	1.3	0.5	0.1	0	0.1
7	0.4	0.8	0.5	0.5	0.7	0.6	2.7	1.1	0.5	0.1	0	0.1
8	0.4	0.7	0.5	0.5	0.7	0.5	2.1	1.0	0.7	0.1	0	0.1
9	0.4	0.6	0.5	0.5	0.7	0.5	1.6	0.9	1.0	0.1	0	0.1
10	0.4	0.5	0.5	0.5	0.6	0.5	1.5	0.8	0.7	0.1	0	0
11	0.4	0.4	0.5	0.5	0.6	0.5	1.4	0.7	0.6	0.1	0	0
12	0.4	0.4	0.5	0.5	0.6	0.8	1.3	0.7	0.5	0.1	0	0
13	0.4	0.4	0.5	0.5	0.6	0.7	1.2	0.7	0.5	0.1	0	0
14	0.4	0.4	0.5	0.5	0.6	0.5	1.1	0.7	0.5	0	0	0
15	0.4	1.5	0.5	0.6	0.6	0.5	0.9	0.7	0.5	0	0	0
16	1.1	1.2	0.5	0.7	0.6	0.4	0.9	0.7	0.5	0	0	0
17	0.5	0.9	0.5	0.7	0.6	0.3	0.9	0.7	0.6	0	0	0
18	0.5	0.8	0.5	0.7	0.6	0.3	1.0	0.7	0.6	0	0	0
19	0.4	0.8	0.5	0.8	0.6	0.4	1.1	0.6	0.6	0	0	0
20	0.5	3.5	0.5	0.8	0.6	0.4	1.0	0.5	0.6	0	0	0
21	0.5	1.6	0.5	48	0.6	0.4	0.9	0.5	0.6	0	0	0
22	0.4	0.9	0.5	32	0.6	2.4	0.8	0.5	0.5	0	0	0
23	0.4	0.8	0.5	4.2	0.6	3.3	1.0	0.6	0.5	0	0	0
24	0.4	0.8	0.5	3.8	0.6	2.9	1.0	0.6	0.4	0	0	0
25	0.4	0.6	0.5	3.3	0.7	2.2	0.9	0.6	0.4	0	0	0
26	0.4	0.5	0.5	2.5	0.7	1.8	1.0	0.6	0.3	0	0	0
27	0.4	0.5	0.4	1.5	0.6	1.6	1.3	0.6	0.2	0	0	0
28	0.4	0.5	0.4	1.3	0.6	1.5	1.5	0.6	0.2	0	0	0
29	0.4	0.5	0.4	1.3	1.1	1.4	1.5	0.5	0.2	0	0	0
30	0.4	0.5	0.4	1.3		1.3	1.5	0.5	0.2	0	0	0
31	0.4		0.5	1.3		1.7		0.5		0	0	
	13.4		15.1		20.6		81.1		14.7		0	
		24.0		111.5		31.8		24.2		1.5		0.9
MEAN	0.43	0.80	0.49	3.60	0.71	1.03	2.70	0.78	0.49	0.05	0	0.03
ACRE-FEET	27.	48.	30.	221.	41.	63.	161.	48.	29.	3.0	0	1.8

Remarks:

YEAR OR PERIOD MEAN 0.93
ACRE-FEET 673.

75D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U7-R

Daily discharge, in second-feet of FISH CREEK above Mouth of Canyon, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.2	0.4	1.4	0.6	0.2	18	1.6	0.9	0.4	0.1	0
2	0	0.2	0.4	1.3	0.6	0.2	23	1.6	0.9	0.4	0.1	0
3	0	0.2	0.4	1.3	0.6	0.2	17	1.6	0.8	0.4	0.1	0
4	0	0.2	0.4	1.2	0.6	0.2	11	1.6	0.8	0.3	0.1	0
5	0	0.1	0.4	1.2	0.8	0.2	7.8	1.6	0.7	0.3	0.1	0.1
6	0	0.1	0.3	1.1	1.7	0.2	6.1	1.6	0.7	0.2	0.1	0.6
7	0	0.1	0.3	2.5	1.2	0.4	5.3	1.5	0.7	0.2	0	0.3
8	0	0.1	0.3	1.3	1.0	0.4	25	1.4	0.7	0.3	0	0.2
9	0	1.6	0.2	1.1	1.0	0.4	48	1.4	0.7	0.3	0	0.2
10	0	1.8	0.2	1.0	0.9	0.4	43	1.3	0.6	0.3	0	0.1
11	0	1.0	0.3	0.9	0.8	0.4	20	1.3	0.6	0.3	0.1	0.1
12	0	0.8	0.3	0.8	0.8	0.5	10	1.4	0.6	0.3	0	0.1
13	0	0.8	0.3	0.8	0.8	0.9	4.2	1.4	0.6	0.3	0	0.1
14	0	0.7	0.4	0.8	0.7	0.7	3.9	1.4	0.6	0.3	0	0
15	0	0.6	0.4	0.8	0.6	0.6	3.5	1.1	0.6	0.2	0	0
16	0	0.5	0.4	0.8	0.5	0.6	3.3	0.9	0.6	0.2	0	0.1
17	0	1.6	0.4	0.8	0.6	0.7	3.2	0.8	0.6	0.2	0	0.2
18	0	1.1	0.5	0.8	0.5	0.7	3.3	0.8	0.5	0.2	0	0.4
19	0	0.8	0.7	0.8	0.5	0.7	3.0	0.8	0.5	0.2	0	0.5
20	0	0.7	2.0	0.8	0.4	0.7	2.9	0.8	0.5	0.1	0	0.4
21	0	0.7	1.5	0.8	0.4	0.7	3.0	0.9	0.5	0.1	0	0.2
22	0	0.6	1.2	0.8	0.4	0.7	2.9	0.9	0.5	0.1	0.1	0.1
23	0	0.6	1.0	0.8	0.4	0.8	2.7	0.9	0.6	0.1	0.1	0.1
24	0	0.5	0.9	1.1	0.4	0.8	2.6	1.1	0.5	0.1	0.1	0.1
25	0	0.5	0.8	0.8	0.3	0.8	2.3	1.0	0.7	0.1	0.1	0.1
26	0.1	0.5	0.8	0.8	0.2	0.8	2.2	0.9	0.7	0.1	0	0.1
27	0.1	0.5	4.0	0.8	0.2	0.7	1.8	0.9	0.5	0.1	0	0.2
28	0.1	0.5	3.5	0.8	0.2	0.5	2.0	0.8	0.5	0.1	0	0.2
29	0.2	0.5	1.8	0.7		0.5	1.8	0.8	0.4	0.1	0	0.2
30	0.2	0.4	1.6	0.7		0.4	1.7	0.8	0.4	0.2	0	0.1
31	0.2		1.5	0.6		1.0		0.9		0.1	0	
	0.9		27.6		17.7		289.5		18.5		1.1	
		18.5		30.2		17.0		35.8		6.6		4.8
MEAN	0.03	0.62	0.89	0.97	0.63	0.55	9.65	1.15	0.62	0.21	0.04	0.16
ACRE-FEET	1.8	37.	55.	60.	35.	34.	574.	71.	37.	13.	2.2	9.5

Remarks:

YEAR OR PERIOD MEAN 1.28
ACRE-FEET 930.

STATION F350-R
LIMEKILN CREEK above Aliso Creek

LOCATION: LAT. 34°13'57", LONG. 118°33'02", ON THE RIGHT (SOUTH) BANK 1600 FEET ABOVE ALISO CREEK AND ONE MILE WEST OF NORTHRIDGE. ELEVATION OF ZERO GAGE HEIGHT 800.37.

DRAINAGE AREA: 10.3 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL – RECTANGULAR, CONCRETE, 24 FEET WIDE AND 11.5 FEET DEEP. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM A STEEL FOOTBRIDGE 10 FEET ABOVE THE GAGE.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM DECEMBER 26, 1963 TO SEPTEMBER 30, 1965.

REGULATION AND DIVERSION: NONE KNOWN.

RECORDS AVAILABLE: AT STATION F149-R AT DEVONSHIRE STREET, NOVEMBER 9, 1939 TO DECEMBER 26, 1961. (SEE REMARKS)
AT STATION F350-R FROM DECEMBER 26, 1961 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 328 SECOND-FEET MARCH 31.
MINIMUM: NO FLOW MOST OF YEAR.
1964-65
MAXIMUM: 470 SECOND-FEET APRIL 8.
MINIMUM: NO FLOW MOST OF YEAR.
1939-65
MAXIMUM: 828 SECOND-FEET JANUARY 15, 1952. (STATION F149-R)
MINIMUM: NO FLOW MOST OF EACH YEAR.

REMARKS: RECORDS FOR WATER-YEARS 1956-57 TO 1960-61 WERE NOT COMPUTED BECAUSE OF EXTREME SILTING CONDITIONS.

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

P&D 74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F350-R

Daily discharge, in second-feet of LIMEKILN CREEK above Aliso Creek, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	16.9	+	+	+	+	0.1
2	0	0	0	0	0	0.7	+				+	0.1
3	0	0	0	0	0	0					0.1	0.1
4	0	0	0	0	0	0					0.1	0.1
5	0	0	0	0	0	0					0.1	0.1
6	0	8.5	0	0	0	0					0.1	0.1
7	0	0	0	0	0	0				+	0.1	0.1
8	0	0	0	0	0	0			+	0.1	0.1	0.1
9	0	0	0	0	0	0			1.2	+	0.1	0.1
10	0	0	0	0	0	0			+		0.1	0.1
11	0	0	0	0	0	0					0.1	0.1
12	0	0	0	0	0	0					0.1	0.1
13	0	0	0	0	0	0					0.1	0.1
14	0	0	0	0	0	0					0.1	0.1
15	0	7.0	0	0	0	+					0.1	0.1
16	1.8	0	0	0	0						0.1	0.1
17	0	0	0	0	0						0.1	0.1
18	1.9	0	0	0	0						0.1	0.1
19	0	3.5	0	0	0						0.1	0.1
20	0	20	0	0	0						0.1	0.1
21	0	0	0	5.9	0	+					0.1	0.1
22	0	0	0	22	0	17.5					0.1	0.1
23	0	0	0	0	0	14.9					0.1	0.1
24	0	0	0	0	0	0					0.1	0.1
25	0	0	0	0	0	0					0.1	0.1
26	0	0	0	0	0	0					0.1	0.1
27	0	0	0	0	0	0					0.1	0.1
28	0	0	0	0	0	0					0.1	0.1
29	0	0	0	0	0	0					0.1	0.1
30	0	0	0	0		0	+		+		0.1	0.1
31	0		0	0		19.8		+		+	0.1	
	3.7	39.0	0	27.9	0	52.9	16.9		1.2	0.1	2.9	3.0
MEAN	0.12	1.30	0	0.90	0	1.71	0.56	+	0.04	+	0.09	0.10
ACRE-FEET	7.3	77.	0	55.	0	105.	34.	+	2.4	0.2	5.8	6.0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.40
ACRE-FEET 293.

76D74M Cib 1-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F350-R

Daily discharge, in second-feet of LIMEKILN CREEK above Aliso Creek for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e 0.1	e 0.1	+	e 0.1	e +	+	52	+	0.4	+	0.1	0.1
2	0.1	0.1		0.1	+		17.7		0.3	+	0.1	0.1
3	0.1	0.1		0.1	+		12.8		0.3	0.1	0.1	0.3
4	0.1	0.1		0.1	0.1		15.8		0.4	0.2	0.1	0.4
5	0.1	0.1	+	0.1	2.2		1.6		0.2	0.1	0.1	0.4
6	0.1	0.1	0	e 0.1	e +.2	+	a 0.5		0.2	0.1	0.1	b 0.4
7	0.1	0.1	0	1.5	e +	1.2	a 0.5		0.2	0.1	0.1	b 0.3
8	0.1	e 0.1	+	+		b 0.2	a 81		0.2	0.1	+	0.3
9	0.1	14.0	+			b 0.1	35		0.2	0.1	+	0.2
10	0.1	2.7	+			b 0.1	1.6	+	0.1	0.1	0.1	0.1
11	0.1	e 0.1	0.1			b 0.1	1.8	0.1	0.1	0.1	4.1	0.1
12	0.1	0.1	0.1			+	0.8	0.1	0.1	0.1	b 0.2	0.1
13	0.1	0.1	0.1			0.3	0.6	0.5	0.2	0.2	0.1	0.1
14	0.1	0.1	0.1			2.6	b 0.4	0.2	0.3	0.1	0.1	0.1
15	0.1	0.2	0.2	+	+	0.3	b 0.3	0.2	0.1	0.1	0.1	0.1
16	0.1	e 0.1	0.2	0.1	0.1	+	0.3	0.2	0.2	0.1	0.1	0.1
17	0.1	4.3	0.2	0.1	0.2	0.1	0.3	0.1	0.1	0.1	0.1	0.1
18	0.1	e +	0.7	+	0.2	+	0.2	+	0.1	0.1	b 0.1	0.1
19	0.1	9.1			0.2	+	0.2		0.2	+	0.1	0.4
20	0.1	26			0.2	0.1	0.2		0.1		0.1	0.1
21	0.1	1.5			0.1	0.1	0.2		0.2		0.1	0.1
22	0.1		e 0.1		0.1	+	0.2		0.2	+	0.1	0.1
23	0.1	e	0.1	+	+	+	0.2		0.1	0.1	0.1	0.1
24	0.1		0.1	4.1		0.1	0.2		0.1	0.1	0.1	0.1
25	0.1		e 0.1	e 0.1		0.1	0.2	+	+	0.1	0.1	0.1
26	0.1		1.0	+		+	0.2	0.2		+	0.1	0.1
27	0.1		45	+			0.1	0.2		+	0.1	0.1
28	e 0.1		1.3	0	+		0.1	0.3		+	0.1	0.3
29	1.9		e 0.1	0			0.1	0.2		0.1	0.1	0.3
30	e 0.1	+	e 0.6	e 0		+		0.1	+	0.1	+	0.1
31	e 0.1		e 0.1			33		0.1		0.1	0.1	
	4.9	22.4	66.8	6.5	7.5	39.4	225.1	2.5	4.6	2.4	6.9	5.3
MEAN	0.16	0.75	2.15	0.21	0.27	1.27	7.50	0.08	0.15	0.08	0.22	0.18
ACRE-FEET	9.7	44.	132.	13.	15.	78.	446.	5.0	8.9	4.8	14.	10.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.08
ACRE-FEET 780.

STATION F65B-R
LITTLE DALTON CREEK above Mouth of Canyon

LOCATION: LAT. 34°10'03", LONG. 117°50'15", ON THE LEFT (EAST) BANK ABOUT 120 FEET ABOVE GLENDORA MOUNTAIN ROAD CROSSING, 0.8 MILE ABOVE MOUTH OF CANYON AND ABOUT 2.6 MILES NORTHEAST OF GLENDORA. ELEVATION OF ZERO GAGE HEIGHT 1334.38 FEET.

DRAINAGE AREA: 2.7 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - ROCK AND GRAVEL WITH WIRE RIPRAP ON SIDES. CONTROL - RUBBLE AND CONCRETE CHECK IN CHANNEL BOTTOM.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM BRIDGE CROSSING 122 FEET BELOW STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE:
AT STATION F65-R - JANUARY 28, 1929 TO NOVEMBER 23, 1938.
AT STATION F65B-R - NOVEMBER 30, 1938 TO SEPTEMBER 30, 1965

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 28 SECOND-FEET JANUARY 21.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1964-65
MAXIMUM: 62 SECOND-FEET APRIL 9.
MINIMUM: NO FLOW FOR SEVERAL MONTHS.
1929-65
MAXIMUM: 1700 SECOND-FEET NOVEMBER 20, 1961.
MINIMUM: NO FLOW SEVERAL MONTHS EACH YEAR.

ACCURACY: GOOD.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F65B-R

Daily discharge, in second-feet of LITTLE DALTON CREEK above Mouth of Canyon, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	+	0	2.8	+	0	0	0	0
2	0	0	0	0	+	0.1	0.4	+	0	0	0	0
3	0	0	0	0	+	0	b 0.3	+	0	0	0	0
4	0	0	0	0	0	0	0.3	+	0	0	0	0
5	0	0	0	0	+	0	0.2	+	0	0	0	0
6	0	0	0	0	0	0	0.1	0.1	0	0	0	0
7	0	0	0	0	0	0	b 0.1	+	0	0	0	0
8	0	0	0	0	0	0	0.1	+	0	0	0	0
9	0	0	0	0	0	0	0.1	+	0	0	0	0
10	0	0	0	0	0	0	+	+	0	0	0	0
11	0	0	0	0	0	0		0	0	0	0	0
12	0	0	0	0	0	+		0	0	0	0	0
13	0	0	0	0	0	+		0	0	0	0	0
14	0	0	0	0	0	0		0	0	0	0	0
15	0	0	0	0	0	0		0	0	0	0	0
16	0	0	0	0	0	0		0	0	0	0	0
17	0	0	0	0	0	0		0	0	0	0	0
18	0	0	0	0	0	0	+	0	0	0	0	0
19	0	0	0	0	0	0	0.3	0	0	0	0	0
20	0	0.4	0	0	0	0	+	0	0	0	0	0
21	0	0.1	0	2.9	0	0	+	0	0	0	0	0
22	0	+	0	2.6	0	0.6	0	0	0	0	0	0
23	0	+	0	0.8	0	0.8	0.1	0	0	0	0	0
24	0	+	0	b 0.5	0	0.5	+	0	0	0	0	0
25	0	0	0	0.4	0	0.3	+	0	0	0	0	0
26	0	0	0	0.2	0	0.2	+	0	0	0	0	0
27	0	0	0	b 0.1	0	+	0	0	0	0	0	0
28	0	0	0	0.1	0	+	+	0	0	0	0	0
29	0	0	0	0.1	0.1	+	0.1	0	0	0	0	0
30	0	0	0	+		+	+	0	0	0	0	0
31	0		0	b +		0.4		0		0	0	
	0	0.5	0	7.7	0.1	2.9	4.9	0.1	0	0	0	0
MEAN	0	0.02	0	0.25	+	0.09	0.16	+	0	0	0	0
ACRE-FEET	0	1.0	0	15.	0.2	5.7	9.7	0.3	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.04
ACRE-FEET 32.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F65B-R

Daily discharge, in second-feet of LITTLE DALTON CREEK above Mouth of Canyon, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	4.9	0.08	0.02	0	0	0
2	0	0	0	0	0	0	3.6	0.1	0.02	0	0	0
3	0	0	0	0	0	0	2.2	0.1	0.05	0	0	0
4	0	0	0	0	0	0	1.1	0.2	0.02	0	0	0
5	0	0	0	0	0	0	0.9	0.2	+	0	0	0
6	0	0	0	0	0.06	0	0.7	0.2	0	0	0	0
7	0	0	0	0.1	0.05	0	0.5	0.1	0	+	0	0
8	0	0	0	0	0.01	0	3.4	0.08	+	0	0	0
9	0	0	0	0	0	0	9.8	0.05	+	0	0	0
10	0	0	0	0	0	0	7.3	0.02	0	0	0	0
11	0	0	0	0	0	0	3.0	0.05	0	0	0	0
12	0	0	0	0	0	0	2.7	0.1	0	0	0	0
13	0	0	0	0	0	0	2.1	0.1	0	0	0	0
14	0	0	0	0	0	0	1.7	0.08	0	0	0	0
15	0	0	0	0	0	0	1.2	0.05	+	0	0	0
16	0	0	0	0	0	0	1.0	0.05	+	0	0	0
17	0	0	0	0	0	0	1.0	0.02	+	0	0	0
18	0	0	0	0	0	0	1.0	0.02	0	0	0	0
19	0	0	0	0	0	0	0.9	0.02	0	0	0	0
20	0	0	0	0	0	0	0.8	0.02	0	0	0	0
21	0	0	0	0	0	0	0.7	0.02	0	0	0	0
22	0	0	0	0	0	0	0.4	0.02	0	0	0	0
23	0	0	0	0	0	0	0.4	0.02	0	0	0	0
24	0	0	0	0.1	0	0	0.3	0.1	0	0	0	0
25	0	0	0	+	0	0	0.3	0.05	0	0	0	0
26	0	0	0	0	0	0	0.3	0.02	0	0	0	0
27	0	0	0	0	0	0	0.2	+	0	0	0	0
28	0	0	0	0	0	0	0.1	0	0	0	0	0
29	0	0	0	0		0	0.08	0	0	0	0	0
30	0	0	0	0		0	0.05	0	0	0	0	0
31	0		0	0		0.01		0.02		0	0	
	0	0	0	0.2	0.12	0.01	52.63	1.89	0.11	+	0	0
MEAN	0	0	0	0.01	+	+	1.75	0.06	+	+	0	0
ACRE-FEET	0	0	0	0.4	0.2	0.02	104.	3.7	0.2	+	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.15
ACRE-FEET 109.

STATION LI-R
LITTLE ROCK CREEK above Little Rock Dam

LOCATION: LAT. 34°27'47", LONG. 118°01'04", ON THE RIGHT (EAST) BANK ABOUT TWO MILES ABOVE LITTLE ROCK-PALMDALE IRRIGATION DISTRICT'S DAM. APPROXIMATELY 1500 FEET UPSTREAM FROM SANTIAGO CREEK AND FIVE MILES SOUTH OF LITTLE ROCK. ELEVATION OF GAGE ABOUT 3290 FEET.

DRAINAGE AREA: 49.2 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: NONE.

RECORDS AVAILABLE: OCTOBER 1, 1930 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 49 SECOND-FEET APRIL 1.
MINIMUM: NO FLOW PART OF YEAR.
1964-65
MAXIMUM: 155 SECOND-FEET APRIL 19, 20, AND 21.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1930-65
MAXIMUM: 17,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM: NO FLOW AT TIMES EACH YEAR.

ACCURACY: GOOD.

OPERATION: ORIGINALLY LOCATED AND INSTALLED BY LITTLE ROCK-PALMDALE IRRIGATION DISTRICT. REINSTALLED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT AND OPERATED IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

74D14M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. LI-R

Daily discharge, in second-feet of LITTLE ROCK CREEK 1 mile above dam, for the year ending September 30, 19 64

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.5	1.1	4.4	2.7	5.1	3.8	38	10	2.9	0.2	0	0
2	0.5	1.1	4.2	2.7	5.3	4.0	34	9.8	2.7	0.2	0	0
3	0.5	1.1	3.8	2.7	5.5	3.8	22	9.5	2.5	0.2	0	0
4	0.4	1.2	3.8	2.7	5.7	3.8	18	9.2	2.3	0.2	0	0
5	0.4	1.2	3.6	2.7	5.7	3.8	17	9.2	2.2	0.1	0	0
6	0.4	1.4	3.6	2.7	5.3	3.8	16	9.5	2.0	0.1	0	0
7	0.3	3.1	3.4	2.7	4.9	3.8	15	9.5	2.0	0.1	0	0
8	0.3	3.4	3.4	2.7	4.4	4.0	16	10	2.5	0.1	0	0
9	0.3	2.9	3.4	2.7	4.2	4.0	19	10	2.7	0.1	0	0
10	0.3	2.5	3.4	2.7	4.0	4.0	20	11	2.9	0.1	0	0
11	0.3	2.3	3.4	2.7	4.0	4.0	20	11	2.7	0.1	0	0
12	0.3	2.2	3.4	2.7	4.0	4.0	21	10	2.5	0.1	0	0
13	0.3	1.8	3.2	2.7	4.0	4.0	20	9.8	2.0	0.1	0	0
14	0.3	1.7	3.2	2.7	3.8	4.0	19	9.2	1.8	0.1	0	0
15	0.3	1.8	3.2	2.7	3.8	3.8	18	8.6	1.7	+	0	0
16	0.3	3.2	3.2	2.5	3.8	3.8	18	8.1	1.2		0	0
17	1.4	3.6	3.2	2.7	3.8	3.8	16	7.5	1.1		0	0
18	2.2	3.4	3.2	2.7	3.8	4.0	17	7.2	1.1		0	0
19	2.2	3.2	3.1	2.7	3.8	4.0	16	6.4	1.1		0	0
20	2.2	9.9	3.1	2.7	3.8	4.2	15	6.0	0.8		0	0
21	2.0	10	3.1	5.5	3.8	4.4	14	6.0	0.8		0	0
22	1.8	8.4	2.9	7.2	3.8	4.4	13	5.5	0.7		0	0
23	1.7	7.0	2.9	5.1	3.8	4.9	13	5.1	0.6		0	0
24	1.7	6.7	2.9	4.2	3.8	4.9	12	4.6	0.5		0	0
25	1.6	6.2	2.7	4.0	3.8	4.9	12	4.4	0.4	+	0	0
26	1.6	6.0	2.7	3.8	3.8	4.9	11	4.2	0.4	0	0	0
27	1.4	5.7	2.7	3.8	3.8	5.3	11	4.2	0.4	0	0	0
28	1.2	5.1	2.7	3.8	3.8	6.2	11	4.2	0.3	0	0	0
29	1.2	5.1	2.7	3.8	3.8	7.8	11	4.0	0.2	0	0	0
30	1.1	4.6	2.7	3.8		8.9	10	3.6	0.2	0	0	0
31	1.1		2.7	4.4		11		3.2		0	0	
	30.1	116.9	99.9	103.2	122.9	146.0	513.0	230.5	45.2	1.8	0	0
MEAN	0.97	3.90	3.22	3.33	4.24	4.71	17.1	7.4	1.51	0.06	0	0
ACRE-FEET	60.	232.	198.	205.	244.	290.	1020.	457.	90.	3.6	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 3.85
ACRE-FEET 2800.

76D74M Cib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. LI-R

Daily discharge, in second-feet of LITTLE ROCK CREEK – One Mile above Dam, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	2.2	5.7	2.3	2.3	13	64	5.2	1.1	0.2	+
2	0	0	2.0	5.1	2.2	2.2	17	52	6.4	1.0	0.2	
3	0	0	1.8	4.2	2.2	2.2	14	43	6.4	0.8	0.2	
4	0	0	1.8	3.6	2.2	2.2	11	34	6.0	0.6	0.1	
5	0	0	1.7	3.2	2.2	2.2	10	30	5.5	0.6	0.1	+
6	0	0	1.7	3.1	2.3	2.2	12	26	4.9	0.6	0.1	0
7	0	0	1.7	3.2	3.4	2.2	11	e 24	4.4	0.5	0.1	0
8	0	0	1.7	4.2	3.2	2.2	13	22	4.2	0.5	0.1	0
9	0	0	1.6	3.8	3.1	2.3	15	20	4.2	0.5	0.1	0
10	0	0	1.6	3.8	2.9	2.3	18	18	4.0	0.5	+	0
11	0	0	1.6	3.6	2.7	2.3	14	17	3.6	0.4		0
12	0	0	1.6	3.4	2.7	2.3	13	e 15	3.4	0.4		0
13	0	0	1.6	3.2	2.7	2.3	12	15	3.1	0.4		0
14	0	0	1.6	3.1	2.7	2.3	14	15	2.9	0.4		0
15	0	0	1.6	3.1	2.5	2.3	23	14	2.7	0.4		0
16	0	0	1.6	2.9	2.5	2.2	36	14	2.9	0.4		0
17	0	0	1.4	2.9	2.5	2.2	54	13	3.1	0.5		0
18	0	0	1.4	2.7	2.3	2.0	69	12	2.9	0.5	+	0
19	0	0	1.4	2.7	2.3	2.0	92	12	2.7	0.4	0.3	+
20	0	0	1.4	2.7	2.3	1.8	115	11	2.3	0.3	0.5	0
21	0	0	7.2	2.7	2.3	1.8	114	10	2.2	0.3	0.6	0
22	0	0	6.7	2.7	2.3	1.8	107	9.8	2.0	0.3	0.5	0
23	0	0	6.0	2.7	2.3	1.8	111	9.5	1.8	0.2	0.5	0
24	0	0	6.0	2.7	2.2	1.8	100	9.2	2.0	0.2	0.4	0
25	0	0	5.0	3.1	2.2	1.8	107	8.6	2.0	0.2	0.3	0
26	0	0	5.3	2.9	2.2	1.8	110	9.1	1.8	0.2	0.2	0
27	0	0	5.3	2.7	2.3	2.0	98	7.8	1.8	0.2	0.2	0
28	0	0	9.2	2.7	2.3	2.0	92	7.2	1.6	0.2	0.2	0
29	0	0.2	8.1	2.7		2.0	84	6.7	1.4	0.2	0.1	0
30	0	1.7	7.0	2.5		1.8	74	6.2	1.2	0.2		0
31	0		6.4	2.5		3.5		6.2		0.2		
	0	1.9	106.2	100.1	69.3	66.1	1573	560.3	93.6	13.2	5.0	
MEAN	0	0.06	3.43	3.23	2.48	2.13	52.4	18.1	3.32	0.43	0.16	+
ACRE-FEET	0	3.8	211.	199.	137.	131.	3,120.	1,110.	198.	26.	9.9	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 7.11
ACRE-FEET 5,150.

STATION F19–R
LITTLE TUJUNGA WASH at Foothill Boulevard

LOCATION: LAT. 34°16'28", LONG. 118°22'18", ON DOWNSTREAM SIDE OF FOOTHILL BOULEVARD BRIDGE, FOUR MILES EAST OF SAN FERNANDO. ELEVATION OF ZERO HEIGHT, 1058.67 FEET.

DRAINAGE AREA: 21.0 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL – SAND AND SILT. CONCRETE CONTROL BELOW GAGE.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO JUNE 22, 1964 AND FROM NOVEMBER 10, 1964 TO SEPTEMBER 30, 1965. (SEE REMARKS)

REGULATION: NONE.

DIVERSIONS: NONE KNOWN.

RECORDS AVAILABLE: DECEMBER 26, 1928 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
- 1963–64
  - MAXIMUM: 256 SECOND-FEET JANUARY 22.
  - MINIMUM: NO FLOW MOST OF YEAR.
- 1964–65
  - MAXIMUM: 223 SECOND-FEET APRIL 9.
  - MINIMUM: NO FLOW MOST OF YEAR.
- 1929–65
  - MAXIMUM: 8500 SECOND-FEET ESTIMATED MARCH 2, 1938.
  - MINIMUM: NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

REMARKS: STATION WAS REMOVED DURING RECONSTRUCTION OF HIGHWAY BRIDGE.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

75D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F19-R

Daily discharge, in second-feet of LITTLE TUJUNGA WASH at Foothill Blvd., for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	5.1	0	0	0	0	0
2	0	0	0	0	0	0	+	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	+	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	+	0	0	0	0	0	0	0	0	0	0
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
20	0	2.8	0	0	0	0	0	0	0	0	0	0
21	0	0	0	1.6	0	0	0	0	0	0	0	0
22	0	0	0	20	0	11	0	0	0	0	0	0
23	0	0	0	0	0	+	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	+	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0.3		0		0	0	
	0	2.8	0	21.6	0	11.3	5.1	0	0	0	0	0
MEAN	0	0.09	0	0.70	0	0.36	0.17	0	0	E 0	E 0	E 0
ACRE-FEET	0	5.6	0	43.	0	22.	10.	0	E 0	E 0	E 0	E 0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.11
ACRE-FEET 81.

75D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F19-R

Daily discharge, in second-feet of LITTLE TUJUNGA WASH at Foothill Boulevard, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0.2	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	0.2	0	0	0	0	0
4	0	0	0	0	0	0	1.4	0	0	0	0	0
5	0	0	0	0	0	0	0.4	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
8	0	0	0	0	0	0	14	0	0	0	0	0
9	0	0	0	0	0	0	50	0	0	0	0	0
10	0	+	0	0	0	0	24	0	0	0	0	0
11	0	0	0	0	0	0	3.9	0	0	0	0	0
12	0	0	0	0	0	0	1.8	0	0	0	0	0
13	0	0	0	0	0	0	1.2	0	0	0	0	0
14	0	0	0	0	0	0	0.6	0	0	0	0	0
15	0	0	0	0	0	0	0.3	0	0	0	0	0
16	0	0	0	0	0	0	e 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	2.4
19	0	0	0	0	0	0	e 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	0.2	0	0	0	0	0	0	0	0	0
28	0	0	+	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0		0.2		0	0	99.0	0	0	0	0	2.4
MEAN	0	+	0.01	+	0	0	3.30	0	0	0	0	0.08
ACRE-FEET	0	+	0.4	+	0	0	196.	0	0	0	0	4.8

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.28
ACRE-FEET 201.

STATION F356–R

LIVE OAK CREEK below Live Oak Dam

LOCATION: LAT. 34°07'58", LONG. 117°44'40", ON THE RIGHT (WEST) BANK OF STREAM 0.5 MILE ABOVE MOUTH OF CANYON AND 100 FEET BELOW LIVE OAK DAM, ABOUT 2.5 MILES NORTHEAST OF LA VERNE. ELEVATION OF GAGE 1427.01 FEET.

DRAINAGE AREA: 2.28 SQUARE MILES (SEE REGULATION).

CHANNEL AND CONTROL: FOUR–FOOT, SAN DIMAS TYPE FLUME SIX FEET DEEP.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM NOVEMBER 29, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW REGULATED BY LIVE OAK DAM. SPILLWAY FLOWS ENTER CANYON BELOW STATION AND ARE NOT INCLUDED IN THESE RECORDS.

DIVERSIONS: NONE.

RECORDS AVAILABLE: AT STATION F356–R FROM NOVEMBER 29, 1963 TO SEPTEMBER 30, 1965. FOR PRIOR RECORDS (BEGINNING JANUARY 1928) SEE STATION F31–R, LIVE OAK CREEK NEAR MOUTH OF CANYON.

EXTREMES OF DISCHARGE:

1963–64
- MAXIMUM: PLUS FLOW AT VARIOUS TIMES.
- MINIMUM: NO FLOW MOST OF YEAR.

1964–65
- MAXIMUM: 28 SECOND–FEET JUNE 24.
- MINIMUM: NO FLOW MOST OF YEAR.

1928–65 (STATIONS F31–R AND F356–R)
- MAXIMUM: 257 SECOND–FEET MARCH 2, 1938.
- MINIMUM: NO FLOW MOST OF EACH YEAR.

ACCURACY: EXCELLENT.

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

F6D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F356R

Daily discharge, in second-feet of LIVE OAK CREEK below Live Oak Dam, for the year ending September 30, 19 64

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	+	0	0	0	0	0	0	+	0	0
2	0	0		0	0	0	0	0	0		0	0
3	0	0		0	0	0	0	0	0		0	0
4	0	0	+	0	0	0	0	0	0		0	0
5	0	0	0	0	0	0	0	0	0		0	0
6	0	0	0	0	0	0	0	0	0		0	0
7	0	0	0	0	0	0	0	0	0		0	0
8	0	0	0	0	0	0	+	0	0	+	0	0
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
19	0	0	0	0	0	0	0	0		0	0	0
20	0	0	0	0	0	0	0	0		0	0	0
21	0	+	0	0	0	0	0	0		0	0	0
22	0	+	0	0	0	0	0	0		0	0	0
23	0	0	0	0	0	0	0	0		0	0	0
24	0	0	0	0	0	0	0	0	+	0	0	0
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
31	0		0	0		0		0		0	0	
	0	+	+	0	0	0	+	0	+	+	0	0
MEAN	0	+	+	0	0	0	+	0	+	+	0	0
ACRE-FEET	0	+	+	0	0	0	+	0	+	+	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN +
ACRE-FEET +

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F356-R

Daily discharge, in second-feet of LIVE OAK CREEK below Live Oak Dam, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	+	+	+	+	0	+
2	0	0	0	0	0	0					0	
3	0	0	0	0	0	0					0	
4	0	0	0	0	0	0					+	
5	0	0	0	0	0	0						
6	0	0	0	0	0	0						
7	0	0	0	e +	0	0			e			
8	0	0	0		0	0						
9	0	0	0		0	0	+					
10	0	0	0	e +	0	0	0		e			
11	0	0	0	0	0	0	0			+		
12	0	0	0	0	0	0	0			0		+
13	0	0	0	0	0	0	0			0		0
14	0	0	0	0	0	0	1.1			0		0
15	0	0	0	0	0	0	2.8			0		0
16	0	0	0	0	0	0	2.1			0		0
17	0	0	0	0	0	0	0.1			0		0
18	0	0	0	0	0	0	+			0		0
19	0	0	0	0	0	0				0		0
20	0	0	0	0	0	0				+		0
21	0	0	0	0	0	0						0
22	0	0	0	0	0	0						0
23	0	0	0	0	0	0			+			0
24	0	0	0	0	0	0			0.4			0
25	0	0	0	0	0	0			0.5			0
26	0	0	0	0	0	0			+			+
27	0	0	0	0	0	0			a	+		
28	0	0	0	0	0	0				0		
29	0	0	0	0		0			a	+		
30	0	0	0	0		0	+		a +	+		+
31	0		0	0		0		+		+	+	
	0		0		0		6.1		0.9		+	
		0		+		0		+		+		+
MEAN	0	0	0	+	0	0	0.20	+	0.03	+	+	+
ACRE-FEET	0	0	0	+	0	0	12.1	+	1.8	+	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.02
ACRE-FEET 13.9

STATION F311-R
LIVE OAK WASH below 7th Street, La Verne

LOCATION: LAT. 34°06'18", LONG. 117°46'13", ON THE LEFT (EAST) WALL OF LIVE OAK WASH BELOW SEVENTH STREET IN THE CITY OF LA VERNE. ALTITUDE OF GAGE 1049.42.

CHANNEL AND CONTROL: CHANNEL-RECTANGULAR CONCRETE 17.3 FEET WIDE, 9.8 FEET DEEP. CONTROL - VERTICAL FACED SHARP-CRESTED WEIR WITH END CONTRACTIONS SUPPRESSED.

DISCHARGE MEASUREMENTS: FLOWS MEASURED FROM FOOTBRIDGE BELOW WEIR. MEASUREMENTS MADE FOR PURPOSE OF RATING WEIR.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO OCTOBER 31, 1965.

REGULATION: METROPOLITAN WATER DISTRICT'S DELIVERY LINE INTO LIVE OAK CHANNEL ABOVE STATION.

ACCURACY: EXCELLENT.

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

REMARKS: THIS STATION AND WEIR INSTALLED TO DETERMINE THE QUALITY OF IMPORTED WATER DELIVERED TO PUDDINGSTONE RESERVOIR. RECORD AS PUBLISHED IS DELIVERED WATER ONLY AND DOES NOT INCLUDE LOCAL WATER OR STORM FLOWS. NO IMPORTED WATER WAS OBTAINED DURING WATER YEAR 1963-64.

FORM Clib 1-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F311-R

Daily discharge, in second-feet of LIVE OAK WASH below 7th Street – La Verne, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	a 0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	93.1
16	0	0	0	0	0	0	0	0	0	0	0	151.8
17	0	0	0	0	0	0	0	0	0	0	0	153.3
18	0	0	0	0	0	0	0	0	0	0	0	152.4
19	0	0	0	0	0	0	0	0	0	0	0	150.6
20	0	0	0	0	0	0	0	0	0	0	0	69.3
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	a 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	0	0	0	0	0	0	770.5
MEAN	0	0	0	0	0	0	0	0	0	0	0	25.7
ACRE-FEET	0	0	0	0	0	0	0	0	0	0	0	1,530.

Remarks:

YEAR OR PERIOD MEAN 2.11
ACRE-FEET 1,530.

STATION E5C-R
LOS ANGELES RIVER below Sepulveda Dam

LOCATION: LAT. 34°09'42", LONG. 118°27'57", ON THE RIGHT (SOUTH) BANK OF OUTLET CHANNEL OF SEPULVEDA DAM, 200 FEET UPSTREAM FROM SEPULVEDA BOULEVARD, 1.9 MILES SOUTHWEST OF VAN NUYS. ALTITUDE OF GAGE 670 FEET.

DRAINAGE AREA: 155 SQUARE MILES.

RECORDS AVAILABLE: OCTOBER 28, 1953 TO SEPTEMBER 1965. AT STATIONS F5-R AND F5B-R, FROM DECEMBER 19, 1928 TO MARCH 3, 1938 AND FROM APRIL 28, 1938 TO MARCH 27, 1952.

AVERAGE DISCHARGE: 35 YEARS (1929-65) 22.7 SECOND-FEET.

EXTREMES OF DISCHARGE:
- 1963-64
  - MAXIMUM: 5650 SECOND-FEET JANUARY 22 (GAGE HEIGHT 5.79 FEET).
  - MINIMUM: DAILY DISCHARGE 2.8 SECOND-FEET VARIOUS DAYS.
- 1964-65
  - MAXIMUM: 5540 SECOND-FEET APRIL 9, (GAGE HEIGHT 6.10 FEET).
  - MINIMUM: 3.1 SECOND-FEET DECEMBER 25.
- 1929-65
  - MAXIMUM: 11,400 SECOND-FEET FEBRUARY 12, 1962 (GAGE HEIGHT 10.00 FEET).
  - MAXIMUM: 12,000 SECOND-FEET ESTIMATED MARCH 2, 1938.
  - MINIMUM: NO FLOW SEPTEMBER 19-20, 1930.

REMARKS: RECORDS GOOD. FLOW REGULATED BY SEPULVEDA FLOOD CONTROL RESERVOIR (CAPACITY, 17,400 ACRE-FEET). SOME DIVERSION ABOVE STATION. CITY OF LOS ANGELES DISCHARGED 4880 ACRE-FEET OF IMPORTED OWENS RIVER WATER FROM CHATSWORTH RESERVOIR INTO LOS ANGELES RIVER ABOVE STATION DURING 1963-64 AND IN 1964-65. SUCH DISCHARGES AMOUNTED TO 5610 ACRE FEET.

COOPERATION: RECORDS FURNISHED BY THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, AND THE UNITED STATES GEOLOGICAL SURVEY. FORTY-ONE DISCHARGE MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

76DT4M Cdb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E5C-R

Daily discharge, in second-feet of LOS ANGELES RIVER below Sepulveda Dam, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	26	9.7	6.0	5.4	16	8.9	603	9.7	8.9	16	25	31
2	26	9.7	6.7	5.4	8.9	33	17	6.7	8.9	18	25	31
3	26	18	3.2	4.2	8.1	8.9	8.9	6.0	8.9	19	26	32
4	30	16	3.7	5.4	10	12	8.9	10	8.9	20	30	32
5	28	8.1	3.7	2.8	9.7	9.7	6.7	7.4	8.9	20	31	32
6	28	364	3.7	2.8	9.7	9.7	10	7.4	7.4	20	32	32
7	22	12	3.7	3.2	8.9	8.9	14	7.4	5.4	20	34	32
8	18	6.7	3.7	3.7	8.9	6.7	12	6.7	5.4	19	34	32
9	14	12	6.7	4.2	9.7	7.4	8.1	8.9	14	20	36	28
10	10	10	3.7	5.8	21	9.7	8.1	9.7	7.4	24	39	28
11	16	12	3.2	2.8	8.9	8.9	8.1	14	7.4	24	42	30
12	16	12	3.2	3.2	6.7	24	8.1	22	7.4	24	44	30
13	16	10	2.8	3.7	7.4	14	8.9	6.7	6.0	24	44	30
14	19	3.7	3.2	2.8	6.7	4.8	8.9	6.7	5.4	24	42	30
15	30	193	3.2	6.7	7.4	4.8	8.1	6.7	5.4	26	37	30
16	112	13	3.2	5.0	5.4	4.2	8.9	5.4	6.0	26	34	30
17	11	4.2	5.4	9.1	8.1	4.2	10	4.8	7.4	28	32	30
18	43	4.2	3.7	9.4	8.1	6.0	8.9	4.8	7.4	30	30	32
19	2.8	19	3.7	3.7	7.4	6.0	12	6.0	7.4	31	28	31
20	3.2	1070	4.8	4.6	6.0	6.7	6.7	7.4	6.0	32	25	31
21	2.8	31	3.2	507	6.0	6.7	8.9	8.9	5.4	32	25	31
22	8.9	6.7	2.8	804	8.1	427	12	8.9	6.0	32	24	36
23	8.9	5.4	2.8	14	10	199	6.7	8.9	8.1	32	25	37
24	8.9	4.8	3.7	6.0	9.7	31	6.7	8.1	8.1	32	26	39
25	8.9	4.8	3.7	3.7	12	6.0	7.4	9.7	14	32	28	42
26	9.7	4.8	3.7	3.7	12	7.4	6.0	10	21	31	31	44
27	8.9	4.8	4.2	4.2	12	12	6.7	9.7	16	26	31	44
28	8.9	7.4	4.2	5.4	12	9.7	36	9.7	16	24	31	44
29	12	5.4	3.7	3.7	8.9	9.7	8.1	9.7	16	24	31	44
30	10	5.4	3.2	4.2		9.7	7.4	8.9	16	25	31	44
31	8.9		4.2	10		246		8.9		25	31	
	593.8	1387.8	120.6	1459.8	273.7	1162.7	891.2	265.8	276.1	780	984	1019
MEAN	19.2	62.9	3.89	47.1	9.44	37.5	29.7	8.57	9.22	25.2	31.7	34.0
ACRE-FEET	1,180.	3,740.	239.	2,900	543.	2,310.	1,770.	527.	548.	1,550.	1,950.	2,020.

Remarks:

YEAR OR PERIOD MEAN 26.5
ACRE-FEET 19,280.

76DT4M Cdb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E5C-R

Daily discharge, in second-feet of LOS ANGELES RIVER below Sepulveda Dam, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	44	8.5	9.1	4.2	36	5.4	1250	22	6.4	9.1	10	33
2	46	7.9	7.4	4.2	36	5.0	446	20	6.4	9.1	13	32
3	46	8.5	8.5	4.2	34	5.0	462	23	6.4	9.1	28	34
4	44	7.9	7.4	4.6	33	5.4	444	24	5.9	9.1	26	33
5	28	8.5	9.1	6.9	47	5.9	42	27	5.0	8.5	26	38
6	6.9	8.5	6.9	19	153	5.9	14	26	5.0	8.5	26	28
7	6.9	7.9	7.4	56	34	69	9.5	26	5.4	8.5	27	11
8	6.4	8.5	7.9	7.4	31	5.4	1460	22	5.4	8.5	28	26
9	6.4	522	7.4	24	13	5.9	1150	19	5.4	8.5	26	26
10	5.9	117	7.9	24	13	5.4	86	19	5.9	7.4	27	26
11	5.9	5.4	7.9	27	14	10	57	23	7.3	6.9	93	26
12	5.9	5.4	7.9	36	14	5.4	37	27	7.9	6.9	27	27
13	5.9	3.8	7.4	36	14	13	49	27	6.4	7.9	21	30
14	5.0	6.4	7.9	34	13	14	5.4	27	6.9	7.9	22	33
15	5.4	5.9	8.5	33	12	72	5.9	27	6.9	8.5	21	34
16	5.9	5.4	7.4	33	6.9	5.0	6.9	27	7.3	8.5	19	36
17	6.4	193	8.5	33	5.4	5.4	7.4	27	5.9	7.9	19	36
18	6.9	5.0	6.4	34	5.4	5.4	6.9	27	5.9	8.5	21	38
19	7.4	5.4	173	34	5.0	6.9	5.9	27	6.9	10	22	59
20	8.5	5.4	498	33	5.4	6.4	6.4	28	5.9	10	23	24
21	8.5	6.4	119	24	4.6	6.4	6.4	27	6.4	9.1	24	38
22	8.5	6.4	5.4	32	4.2	6.4	7.9	26	6.9	9.1	24	36
23	7.9	5.4	4.2	33	4.2	6.9	5.9	26	7.4	9.1	24	33
24	8.5	7.9	4.6	140	4.2	6.9	5.9	24	7.4	9.7	26	36
25	9.1	7.9	3.1	42	4.6	7.9	5.4	6.4	9.1	8.5	32	34
26	9.7	6.9	5.0	36	5.0	8.5	5.9	6.4	9.1	8.5	32	32
27	22	6.4	458	34	5.4	8.5	5.9	5.4	9.1	11	28	32
28	30	6.4	35	34	5.4	9.1	5.4	5.4	9.1	11	27	32
29	88	6.9	5.4	34		9.7	9.2	6.4	9.1	10	27	33
30	5.0	7.4	19	34		11	26	5.4	9.1	10	28	33
31	8.5		4.2	34		826		5.0		8.5	30	
	509.4	1015.3	474.8	964.5	562.7	1169.1	5634.2	638.4	207.2	273.8	831	969
MEAN	16.4	33.8	47.6	31.1	20.1	37.7	188.	20.6	6.91	8.83	26.8	32.3
ACRE-FEET	1,010.	2,010	2,930.	1,910.	1,120.	2,320.	11,180.	1,270.	411.	543.	1,650.	1,920.

Remarks:

YEAR OR PERIOD MEAN 39.0
ACRE-FEET 28,270.

STATION F299-R
LOS ANGELES RIVER at Radford Avenue

LOCATION: LAT. 34°08'51", LONG. 118°23'27", ON THE LEFT (NORTH) CHANNEL WALL, 120 FEET BELOW RADFORD AVENUE BRIDGE, STUDIO CITY. ELEVATION OF ZERO GAGE HEIGHT 572.44 FEET.

DRAINAGE AREA: 176 SQUARE MILES. (REVISED)

CHANNEL AND CONTROL: RECTANGULAR CONCRETE CHANNEL 60 FEET WIDE AND 15 FEET DEEP. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION AND/OR DIVERSIONS: SUBJECT TO SAME REGULATION AS STATION E5C-R.

RECORDS AVAILABLE: RECORDER RECORDS FROM FEBRUARY 21, 1950 TO SEPTEMBER 30, 1965.

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

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

STATION F300-R
LOS ANGELES RIVER at Tujunga Avenue

LOCATION: LAT. 34°08'28", LONG. 118°22'42", ON THE LEFT (NORTH) CHANNEL WALL 200 FEET ABOVE TUJUNGA AVENUE BRIDGE, STUDIO CITY. ELEVATION OF ZERO GAGE HEIGHT 549.08 FEET.

DRAINAGE AREA: 401 SQUARE MILES. (REVISED)

CHANNEL AND CONTROL: RECTANGULAR CONCRETE CHANNEL 120 FEET WIDE AND 15 FEET DEEP WITH A RECTANGULAR INVERT 12 FEET WIDE AND 3.17 FEET DEEP. INVERT HAS A VENTURI CONTROL SECTION 30 FEET BELOW STATION.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED BY CABLE CAR AT GAGE.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION AND/OR DIVERSIONS: SUBJECT TO SAME REGULATION AS STATION E5C-R AND STATION F105B-R.

RECORDS AVAILABLE: MAY 8, 1950 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:

1963-64
- MAXIMUM: 7910 SECOND-FEET JANUARY 22.
- MINIMUM: 3.4 SECOND-FEET DECEMBER 12.

1964-65
- MAXIMUM: 7840 SECOND-FEET APRIL 9.
- MINIMUM: 3.0 SECOND-FEET NOVEMBER 11.

1950-65
- MAXIMUM: 20,960 SECOND-FEET FEBRUARY 12, 1962.
- MINIMUM: 2.1 SECOND-FEET JANUARY 11, 1962.

ACCURACY: GOOD.

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

STATION F266–R
LOS ANGELES RIVER at Mariposa Street

LOCATION: LAT. 34°09'22", LONG. 118°18'42", ON THE LEFT (NORTH) CHANNEL WALL ABOUT 60 FEET EAST FROM THE CENTERLINE OF MARIPOSA STREET EXTENDED, AND ABOUT TWO MILES SOUTHEAST OF BURBANK. ELEVATION OF ZERO GAGE HEIGHT, 468.61 FEET.

DRAINAGE AREA: 427 SQUARE MILES. (REVISED)

CHANNEL AND CONTROL: CHANNEL – CONCRETE, 130 FEET WIDE WITH 18–FOOT VERTICAL SIDE WALLS. BOTTOM FORMS A REGULAR TRAPEZOIDAL SECTION 130 FEET X 82 FEET X 1.1 FEET WITH 0.5 FOOT FILLETS.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM EQUESTRAIN BRIDGE 70 FEET ABOVE STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: SUBJECT TO SAME REGULATION AS STATION F300–R.

DIVERSIONS: THE LOS ANGELES WATER DEPARTMENT DIVERTS FLOW FOR SPREADING ABOVE THE STATION.

RECORDS AVAILABLE: FROM DECEMBER 20, 1938 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:

1963–64
- MAXIMUM: 8780 SECOND–FEET JANUARY 22.
- MINIMUM: NO FLOW AT VARIOUS TIMES.

1964–65
- MAXIMUM: 9450 SECOND–FEET APRIL 9.
- MINIMUM: NO FLOW AT VARIOUS TIMES.

1938–65
- MAXIMUM: 24,300 SECOND–FEET FEBRUARY 12, 1952.
- MINIMUM: NO FLOW AT TIMES WHEN LOS ANGELES WATER DEPARTMENT IS DIVERTING FLOW.

ACCURACY: POOR FOR LOW FLOWS AND FAIR FOR HIGH FLOWS.

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

74D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F266-R

Daily discharge, in second-feet of LOS ANGELES RIVER at Mariposa St., for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11.0	5.0	a 7.0	7.0	9.0	+	1010	1.0	1.0	+	2.0	4.0
2	13.0	5.0	7.0	7.0	2.0	55	15.0	1.0	+	2.0	2.0	5.0
3	13.0	13.0	7.0	5.0	0	3.0	11.0	0		3.0	3.0	7.0
4	29	21	a 7.0	7.0	2.0	+	4.0	1.8		2.0	3.0	9.0
5	15.0	11.0	7.0	7.0	3.0	1.8	3.0	+		2.0	4.0	4.0
6	5.0	560	7.0	9.0	2.0	5.0	7.0		+	1.5	7.0	3.0
7	5.0	13.0	7.0	11.0	3.0	1.0	4.0		0	+	7.0	2.0
8	3.0	15.0	7.0	9.0	2.0	1.0	2.0		+	+	5.0	2.0
9	5.0	15.0	9.0	9.0	2.0	1.0	+		96	2.1	4.0	3.0
10	4.0	15.0	7.0	11.0	3.0	1.0	+		4.0	7.0	5.0	2.0
11	7.0	13.0	7.0	11.0	2.0	+	+		2.0	3.0	9.0	2.0
12	7.0	13.0	7.0	11.0	+	7.0	0		4.2	1.0	5.0	2.0
13	3.0	13.0	7.0	11.0	0	17.0	+		2.0	2.5	5.0	2.0
14	4.0	9.0	7.0	11.0	+	+	2.0		1.0	1.0	7.0	3.0
15	11.0	355	7.0	a 11.0	2.0	0	3.0		1.0	1.0	3.0	3.0
16	238	19.0	7.0	a 9.0	0	0	+	+	1.0	3.0	3.0	4.0
17	13.4	9.0	7.0	a 9.0	2.0	0	1.0	0	1.0	3.0	5.0	2.0
18	102	7.0	7.0	11.0	2.0	+	4.0	0	0	2.0	3.0	2.0
19	7.0	272	7.0	9.0	2.0	0	a 2.0	+	3.0	1.0	2.0	+
20	2.0	1570	9.0	11.0	0	2.0	2.0		2.0	5.0	1.0	+
21	+	29	7.0	1130	2.0	3.0	2.0		0	2.0	3.0	1.0
22	+	15.0	5.0	1630	3.0	898	1.0		0	3.0	2.0	7.0
23	+	13.0	5.0	23	3.0	336	a 1.0		1.0	5.0	0	3.0
24	4.0	11.0	7.0	19.0	2.0	56	1.0	+	1.0	11.0	2.0	3.0
25	2.0	9.0	7.0	11.0	4.0	5.0	2.0	0.5	3.1	21	3.0	3.0
26	2.0	7.0	7.0	11.0	3.0	1.0	2.0	0.5	7.0	9.0	3.0	3.0
27	1.0	9.0	7.0	11.0	1.0	4.0	2.0	+	1.0	1.0	3.0	4.0
28	5.0	9.0	7.0	15.0	4.0	2.0	63		2.0	1.0	5.0	7.0
29	5.0	7.0	7.0	11.0	2.0	+	31		1.0	4.0	4.0	5.0
30	7.0	7.0	7.0	a 11.0		1.0	+		0	3.0	3.0	5.0
31	7.0		7.0	a 11.0		407		+		4.0	5.0	
	530.4	3,069.0	217.0	3,069.0	62.0	1,807.8	1,175.0	4.8	134.3	106.1	118.0	102.0
MEAN	17.1	102.	7.0	102.	2.14	58.3	35.1	0.16	4.47	3.42	3.81	3.40
ACRE-FEET	1050.	6090.	430.	6090.	123.	3,590.	2330.	9.5	266.	210.	234.	202.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 28.4
ACRE-FEET 20620.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F266-R

Daily discharge, in second-feet of LOS ANGELES RIVER at Mariposa Street, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.0	2.0	7.0	7.0	3.0	+	2080	b 0.5	b 0.5	1.0	1.0	2.0
2	9.0	0	5.0	+	0	0	802	0.5	0.5	+	3.0	2.0
3	9.0	3.0	4.0	0	0	0	864	0.5	0.5	3.0	32	4.0
4	5.0	2.0	5.0	0	1.0	+	683	0.5	0.5	3.0	2.0	3.0
5	1.0	0	4.0		86	1.0	33	0.5	0.5	1.0	2.0	48
6	+	1.0	15.0	3.0	211	1.0	25	0.5	+	3.0	3.0	172
7	+	1.0	9.0	206	5.0	93	25	0.5	0.5	+	2.0	4.0
8	3.0	0	7.0	b 15.0	1.0	19.0	2650	0.5	+	+	+	5.0
9	1.0	931	5.0	5.0	0	5.0	1840	0.5	+	2.0	2.0	+
10	1.0	302	4.0	4.0	0	1.0	216	+	0.5	3.0	3.0	4.0
11	1.0	25	4.0	3.0	+	17.5	64		1.0	1.0	299	3.0
12	2.0	19.0	3.0	2.0	0	16.4	56		1.0	2.0	23	+
13	0	9.0	2.0	2.0	+	70	76		+	3.0	5.0	2.0
14	4.0	4.0	3.0	b 2.0	+	22	17.0		+	5.0	2.0	3.0
15	4.0	3.0	3.0	2.0	1.0	154	2.0		0.5	4.0	1.0	1.0
16	3.0	2.0	2.0	3.0	2.0	5.0	b +		+	5.0	2.0	1.0
17	3.0	409	1.0	2.0	1.0	+	+		0.5	2.0	1.0	4.0
18	3.0	11.0	17.0	3.0	+	2.0	+		1.0	+	+	266
19	2.0	3.0	310	3.0	2.0	3.0	0	+	0.5	2.0	+	235
20	2.0	2.0	704	2.0	1.0	2.0	+	0.5	+	0	2.0	5.0
21	3.0	3.0	140	3.0	0	3.0	+	0.5	+	1.0	7.0	1.0
22	3.0	3.0	9.0	3.0	0	3.0	0.5	+	b 0.5	1.0	1.0	+
23	2.0	3.0	9.0	3.0	0	3.0	+	+	0	4.0	2.0	1.0
24	2.0	5.0	9.0	228	+	2.0		+	0	5.0	4.0	3.0
25	1.0	2.0	2.0	5.0	1.0	3.0		0.5	3.0	4.0	4.0	2.0
26	3.0	2.0	+	+	1.0	11.0	+	+	3.0	2.0	3.0	2.0
27	29	1.0	813	+	1.0	2.0	1.0	0.5	1.0	1.0	5.0	3.0
28	71	2.0	41	+	0	3.0	1.0	0.5	1.0	1.0	3.0	2.0
29	215	2.0	19.0	1.0		2.0	0.5	0.5	2.0	+	2.0	2.0
30	13.7	4.0	19.0	1.0		1.0	b 0.5	+	2.0	17.7	2.0	2.0
31	5.0		13.0	2.0		1240		b +		2.0	2.0	
	407.7	1756.0	2188.0	510.0	317.0	1684.9	9436.5	7.5	20.5	78.7	420.0	782.0
MEAN	13.2	58.5	70.6	16.4	11.3	54.4	315.	0.24	0.68	2.54	13.5	26.1
ACRE-FEET	809.	3,480.	4,340.	1,010.	629.	3,340.	18,720.	15.	41.	156.	833.	1,550.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 48.2
ACRE-FEET 34,920.

STATION F57C-R
LOS ANGELES RIVER above Arroyo Seco

LOCATION: LAT. 34°04'52", LONG. 118°13'36", ON THE RIGHT (WEST) CHANNEL WALL 800 FEET ABOVE THE JUNCTION WITH THE ARROYO SECO, ONE AND ONE-HALF MILES NORTHWEST OF LOS ANGELES. ELEVATION OF ZERO GAGE HEIGHT, 292.58 FEET.

DRAINAGE AREA: 511 SQUARE MILES. (REVISED)

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE 177 FEET WIDE AND 29 FEET DEEP WITH A TRAPEZOIDAL INVERT 20 FEET WIDE AT TOP, 16 FEET WIDE AT BOTTOM AND ONE FOOT DEEP. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM CABLE CAR 15 FEET ABOVE GAGE.

RECORDER: A CONTINUOUS RECORDER, FURNISHED BY CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: SUBJECT TO SAME REGULATION AS STATION 300-R. SEVERAL DEBRIS BASINS REGULATE FLOW ON ADDITIONAL TRIBUTARIES. THE LOS ANGELES WATER DEPARTMENT SPILLS SURPLUS FLOW INTO THE CHANNEL FROM WATER DEVELOPED IN GRIFFITH PARK AREA. ALSO SPILLED OCCASIONALLY IS EXCESS TREATED SEWAGE EFFLUENT FROM LOS ANGELES SANITATION DEPARTMENT LINE ABOVE RIVERSIDE DRIVE.

DIVERSIONS: SEVERAL IRRIGATION DIVERSIONS IN THE MOUNTAIN TRIBUTARIES; OTHER FLOW IS RELEASED AT THE SEVERAL WATER SUPPLY RESERVOIRS, AND THE LOS ANGELES WATER DEPARTMENT DIVERTS FLOW FOR SPREADING.

RECORDS AVAILABLE: AT STATION F57-R - DECEMBER 1929 TO MAY 26, 1938.
AT STATION F57B-R - MAY 26 TO APRIL 5, 1939;
APRIL 5, 1939 TO DECEMBER 8, 1939;
BI-WEEKLY MEASUREMENTS.
AT STATION F57C-R - DECEMBER 8, 1939 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 12,250 SECOND-FEET JANUARY 22.
MINIMUM: PLUS FLOW AT VARIOUS TIMES.
1964-65
MAXIMUM: 12,520 SECOND-FEET APRIL 9.
MINIMUM: PLUS FLOW VARIOUS TIMES OF YEAR.
1929-65 (STATIONS F57-R, F57B-R, F57C-R)
MAXIMUM: 68,000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM: NO FLOW AT TIMES EACH YEAR FROM 1929-30 TO 1933-34.

ACCURACY: FAIR.

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

74D74M C6b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F57C-R

Daily discharge, in second-feet of LOS ANGELES RIVER above Arroyo Seco, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e 0.1	+	0.1	0.2	0.2	+	1.320	0.3	a +	+	+	+
2	e 0.1		0.1	0.2	0.1	56	33	0.2				
3	0.1		0.1	0.1	0.1	2.5	1.9	0.2				
4	e 0.1		0.1	0.1	0.1	0.3	0.4	0.2	a +			
5	+	+	0.1	0.1	+	0.1	0.2	0.2	0.1			
6		536	0.1	0.1		0.1	0.1	0.3	0.1			
7		31	0.1	0.1		0.1	0.1	0.2	0.1			
8		0.6	+	+		0.1	+	0.2	0.2			
9		0.2				0.1		0.2	50			
10		0.1				0.1		0.2	0.3			
11		0.1				0.1		0.2	0.2			
12		0.1				1.7		0.2	0.1			
13		0.1	+			38		0.1	0.1			
14		0.1	c 0.1			0.6		0.1	0.1			
15	+	343	0.1			0.2	+	+	0.1			
16	254	39	0.1			0.1	0.1	+	0.1			
17	12.6	0.6	0.2	+		0.1	0.1	0.1	0.1			
18	188	0.2	0.2	0.1		0.1	0.2	+	0.1			
19	3.4	39	0.2	0.1		0.1	2.3	+	0.1			
20	0.1	1.950	0.2	0.1		0.1	0.2	0.1	0.1			
21	0.1	57	0.2	1.460		0.1	0.1	0.1	0.1			
22	0.1	4.6	0.2	1.800		1.020	0.1	0.1	0.1			
23	†	0.8	0.2	29		514	0.1	0.1	0.1			
24		0.2	0.2	4.6		103	0.1	0.1	0.1			
25		0.1	0.2	2.5		10.0	0.1	0.1	+			
26		0.1	0.2	0.4		0.4	0.1	0.1	+			
27		0.1	c 0.2	0.8		0.2	0.1	0.1	0.1			
28		0.1	0.2	1.2		0.1	9.5	0.1	+			
29		0.1	0.2	1.0	+	0.1	19.0	0.1	+			
30		0.1	0.2	0.2		0.1	0.5	0.1	+			
31	+		0.2	0.2		284		0.1		+	+	
	458.7	3003.3	4.0	3301.1	0.5	2032.5	1388.3	4.1	52.4	+	+	+
MEAN	14.8	100.	0.13	106.	0.02	65.5	46.3	0.13	1.75	+	+	+
ACRE-FEET	910.	5960.	7.9	6550.	1.0	4020.	2750.	8.1	104.	+	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 27.9
ACRE-FEET 20320.

74D74M C6b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F57C-R

Daily discharge, in second-feet of LOS ANGELES RIVER at Arroyo Seco, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0.1	+	1.9	+	+	2.080	0.1	a 0.1	0.1	0.1	0.1
2		0.1		0.3			1.070	0.1	a 0.1	0.1	0.1	0.1
3		0.1		0.2			875	0.1	0.1	0.1	0.1	0.1
4		+		0.2	+		645	0.1	0.1	0.1	0.1	0.1
5				0.2	29		46	4.1	0.1	0.1	0.2	0.1
6				0.4	282	+	15.6	10.9	0.1	0.1	0.1	88
7				317	29	82	30	2.8	0.1	0.1	0.1	4.3
8		+		5.8	0.5	6.8	2.360	1.4	0.1	0.1	0.1	0.4
9		1.110		2.2	0.2	0.6	2.290	1.2	0.1	0.1	0.1	a 0.2
10		331		0.4	0.2	0.2	b 284	0.3	0.1	0.1	0.1	0.2
11		20		0.3	0.2	5.0	24	0.2	0.1	0.1	62	0.2
12		3.4		0.3	0.2	5.5	59	0.1	0.1	0.1	11.0	0.2
13		1.4		0.3	0.2	111	123	0.1	0.1	0.1	0.4	0.2
14		0.3		0.2	0.2	3.3	2.9	0.1	0.1	0.1	0.1	0.2
15		0.2		0.2	0.1	185	0.8	0.1	0.1	0.1	a 0.2	
16		0.2		0.1	0.1	6.6	0.5	0.1	0.1	0.1	0.1	0.2
17		395		0.1	0.1	0.5	0.4	0.1	0.1	0.1	0.1	0.2
18		21	+	0.1	0.1	0.4	b 0.3	0.1	0.1	0.1	0.1	464
19		1.9	184	+	0.1	0.6	0.3	0.1	0.1	0.1	0.1	159
20		0.4	860		0.1	0.6	0.3	0.1	0.1	0.1	0.1	9.5
21		0.2	168		0.1	0.3	0.2	0.1	0.1	0.1	0.1	0.6
22		0.2	4.2		0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.3
23		0.1	1.0	+	0.1	0.4	0.2	0.1	0.1	0.1	0.1	0.3
24		0.1	0.5	258	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.3
25		0.1	0.1	14.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.3
26		0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.3
27		0.1	835	+	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2
28	+	0.1	58		0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2
29	158	+	7.3			0.2	0.1	a 0.1	0.1	0.1	0.1	0.2
30	3.2	+	3.1			0.2	0.1	a 0.1	0.1	0.1	0.1	0.2
31	0.1		9.1	+		1.140		a 0.1		0.1	0.1	
	161.3	1886.2	2130.4	602.5	342.1	1550.5	10428.3	23.3	3.0	3.1	76.3	730.4
MEAN	5.20	62.9	68.7	19.4	12.2	50.0	348.	0.75	0.10	0.10	2.46	24.3
ACRE-FEET	320.	3,740	4,230.	1,200.	679.	3,080.	20,670.	46.	6.0	6.2	151.	1,450.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 49.1
ACRE-FEET 35,580.

STATION F34D–R

LOS ANGELES RIVER below Firestone Boulevard

LOCATION: LAT. 33°56'58", LONG. 118°10'23", ON THE RIGHT (WEST) BANK, 472 FEET DOWNSTREAM FROM THE CENTERLINE OF FIRESTONE BOULEVARD BRIDGE AND ABOUT THREE MILES WEST OF DOWNEY. ELEVATION OF ZERO GAGE HEIGHT 96.12 FEET.

DRAINAGE AREA: 596 SQUARE MILES. (REVISED)

CHANNEL AND CONTROL: CHANNEL – CONCRETE, 355 FEET WIDE AT BOTTOM WITH 3 TO 1 RIPRAPPED SLOPES. LOW FLOW CHANNEL IN CENTER, 28 FEET WIDE AT TOP, 20 FEET WIDE AT BOTTOM, ONE FOOT DEEP. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED AT STATION; HIGH FLOWS MEASURED FROM UPSTREAM SIDE OF FIRESTONE BOULEVARD BRIDGE, 500 FEET ABOVE STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW IS SUBJECT TO SAME REGULATION AS STATION F57C–R; IN ADDITION, FLOW IS PARTIALLY REGULATED BY DEVIL'S GATE DAM.

DIVERSIONS: FLOW IS SUBJECT TO SAME DIVERSIONS AS STATION F57C–R. THE CITIES OF PASADENA AND SOUTH PASADENA DIVERT WATER FROM THE ARROYO SECO.

RECORDS AVAILABLE: AT STATION F34–R – MARCH 1, 1928 TO APRIL 11, 1938 (FOR PREVIOUS RECORDS SEE STATE OF CALIFORNIA DIVISION OF WATER RIGHTS BULLETIN NO. 5.)

AT STATION F34B–R – APRIL 11, 1938 TO NOVEMBER 3, 1949.
AT STATION F34C–R – NOVEMBER 4, 1949 TO DECEMBER 11, 1956.
AT STATION F34D–R – DECEMBER 11, 1956 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:

1963–64
MAXIMUM: 11,350 SECOND–FEET JANUARY 21.
MINIMUM: 2.6 SECOND–FEET MARCH 26.
1964–65
MAXIMUM: 18,710 SECOND–FEET APRIL 9.
MINIMUM: 4.3 SECOND–FEET (ESTIMATED) FEBRUARY 23.
1928–65
MAXIMUM: 79,000 SECOND–FEET (ESTIMATED) MARCH 2, 1938.
MINIMUM: NO FLOW AT VARIOUS TIMES PRIOR TO 1940. FLOW CONTINUOUS IN RECENT YEARS DUE TO INDUSTRIAL WASTES.

ACCURACY: POOR, STAGE–DISCHARGE RELATIONSHIP AFFECTED BY SILTATION.

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

f6D74M Gib 1-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F34D-R

Daily discharge, in second-feet of LOS ANGELES RIVER below Firestone Blvd. for the year ending September 30, 19 64

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.7	9.0	b 8.0	7.5	7.5	10.5	1,540	b 9.2	b 8.3	10.0	10.0	b 11.6
2	8.0	9.0	8.0	9.0	7.5	119	b 93	6.4	b 13.2	12.0	11.0	10.0
3	8.5	10.5	9.4	9.5	9.0	18.4	11.6	7.8	b 9.2	9.5	14.4	10.0
4	9.5	11.0	8.9	8.5	12.0	11.5	6.9	11.9	14.4	7.5	12.8	9.2
5	9.0	8.5	b 8.4	9.0	11.5	12.8	5.3	14.8	13.6	8.5	12.8	7.4
6	8.5	784	8.0	10.0	10.5	12.0	5.8	11.6	11.5	8.5	11.5	7.3
7	12.0	107	7.5	10.5	9.5	12.0	4.9	10.8	12.8	8.0	12.0	5.8
8	13.6	14.4	7.0	9.5	9.5	9.0	5.4	11.6	18.4	7.5	10.0	5.9
9	11.0	10.0	8.0	9.0	8.5	9.0	9.4	10.0	161	7.5	b 11.1	7.9
10	11.0	9.0	8.5	9.0	9.0	9.0	6.9	12.7	12.8	7.5	11.9	7.9
11	12.0	8.5	8.0	7.5	9.0	10.5	5.9	8.4	12.0	5.8	14.0	9.2
12	9.5	8.5	7.5	8.0	9.0	46	6.3	12.4	10.5	6.1	14.0	7.9
13	9.0	8.5	7.0	10.0	8.5	77	7.3	12.4	9.0	8.0	14.0	9.8
14	11.0	8.0	6.4	10.0	8.0	b 12.4	5.9	11.6	8.5	10.0	14.0	10.3
15	11.5	561	6.1	10.0	7.5	11.1	6.4	10.0	10.5	9.5	10.8	12.4
16	370	85	7.0	8.5	8.0	8.3	10.8	8.4	10.5	10.0	11.9	12.4
17	43	a 8.5	8.5	9.0	10.5	7.4	6.9	8.8	11.0	9.5	12.7	11.6
18	385	8.0	8.5	58	10.5	13.2	6.9	9.8	12.0	8.0	15.4	11.6
19	a 20	199	8.0	10.0	11.5	12.4	32	13.2	13.6	8.0	14.0	7.9
20	7.5	2810	8.0	8.0	14.4	10.0	8.8	12.4	12.8	10.5	14.0	15.1
21	8.0	144	7.0	f 1,980	16.0	b 7.4	6.9	13.2	12.8	10.5	13.2	8.8
22	8.5	31	7.5	f 1,960	10.5	1,330	7.9	9.2	16.8	9.5	11.6	6.9
23	a 8.5	b 15.0	7.5	b 43	10.0	1,210	6.9	6.9	13.6	10.5	11.9	5.4
24	8.5	12.0	7.0	15.2	11.0	358	6.4	6.8	14.4	9.5	14.3	3.4
25	8.5	10.0	5.5	10.0	12.0	b 24	5.4	9.8	13.6	8.5	16.4	3.9
26	9.5	11.0	6.7	8.5	12.0	10.8	5.3	6.9	60	9.0	20	5.4
27	15.2	10.0	8.0	8.5	15.2	4.9	b 8.3	6.9	7.5	10.5	17.4	7.3
28	8.0	9.5	8.0	10.5	15.2	2.6	36	6.9	6.1	10.5	16.4	8.8
29	9.0	8.0	8.0	9.5	12.8	2.6	40	5.9	7.5	11.5	11.6	9.2
30	9.5	b 9.0	10.5	7.5		b 4.1	b 9.4	4.4	8.0	11.5	10.3	b 9.2
31	9.5		10.5	7.5		204		b 4.9		11.0	b 11.9	
	1,079.0	4,936.9	242.9	4,290.7	306.1	3,589.9	1,918.9	296.0	545.9	284.4	407.3	259.5
MEAN	34.8	16.4	7.84	138.	10.6	116.	64.0	9.54	18.2	9.17	13.1	8.65
ACRE-FEET	2140.	9790.	482.	8510.	607.	7120.	3810.	587.	1080.	564.	808.	515.

Remarks:

YEAR OR PERIOD MEAN 49.6
ACRE-FEET 36020.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F34D-R

Daily discharge, in second-feet of LOS ANGELES RIVER below Firestone Boulevard for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 8.1	7.4	8.4	8.9	7.0	6.0	2130	b 8.0	b 8.9	7.4	8.4	10.1
2	8.9	7.4	8.4	6.5	8.4	6.0	1190	6.5	8.9	8.9	11.6	10.1
3	7.5	7.0	7.0	5.5	7.0	7.4	1160	5.6	10.5	6.5	11.6	10.1
4	7.5	6.5	7.4	6.0	7.9	6.5	709	8.9	10.5	6.0	11.6	9.4
5	10.5	6.5	6.5	7.9	42	7.0	78	b 8.9	8.5	5.5	9.4	12.7
6	14.5	5.0	5.0	8.9	270	6.5	22	25	6.0	7.9	8.9	135
7	14.5	4.3	6.5	422	53	62	48	13.7	7.6	7.9	8.4	15.9
8	b 14.5	4.5	6.0	14.3	7.4	15.3	3380	7.4	8.1	8.4	8.4	8.9
9	7.9	1470	5.5	6.5	7.0	8.9	3020	7.0	7.6	14.3	10.8	8.4
10	7.0	459	6.0	5.0	6.5	7.9	472	7.0	15.1	24	11.6	8.4
11	6.5	87	7.0	6.0	5.5	37	47	7.0	8.1	8.4	73	6.0
12	7.9	21	5.5	6.5	5.5	29	109	7.4	7.5	18.3	39	6.0
13	7.9	13.7	5.5	6.5	5.5	301	127	7.0	b 5.5	6.5	10.1	7.4
14	6.5	10.1	5.5	6.0	5.5	14.4	22	6.5	11.6	6.5	7.4	7.9
15	6.5	8.9	7.0	7.0	6.5	219	10.3	5.5	9.4	6.5	7.4	7.0
16	6.5	8.9	7.0	5.5	5.5	18.5	b 8.1	6.0	13.0	7.0	8.4	7.9
17	5.5	484	6.5	4.5	5.0	7.9	7.5	7.4	8.4	5.5	8.4	27
18	5.0	61	12.4	6.5	5.5	6.5	7.0	7.4	8.9	7.0	9.4	692
19	6.5	13.7	150	6.5	6.0	7.0	7.1	7.4	8.4	7.0	13.2	208
20	4.3	11.6	913	6.5	6.0	6.5	8.9	7.9	7.9	7.9	9.4	32
21	5.5	8.9	190	6.5	4.5	6.0	11.3	7.4	9.4	7.4	8.9	6.5
22	5.0	7.9	20	6.0	5.0	6.0	9.7	7.0	8.9	7.4	7.4	6.5
23	5.0	7.4	15.2	5.0	6.0	6.5	9.7	7.0	8.9	8.4	10.8	5.5
24	4.5	6.5	13.0	249	6.5	6.5	6.5	7.4	9.4	6.5	11.6	7.0
25	4.3	7.4	8.9	30	6.0	6.0	6.5	7.9	8.9	6.5	11.6	6.5
26	5.5	7.4	7.9	7.4	6.5	6.0	8.9	7.0	8.4	8.9	11.6	7.0
27	7.5	7.0	851	7.0	6.0	6.0	11.3	b 9.7	7.9	7.0	10.1	8.4
28	17.8	7.0	143	6.5	6.0	5.5	10.5	11.3	12.3	7.4	9.4	8.9
29	193	6.5	16.6	6.5		7.0	12.1	11.7	8.9	8.9	7.9	6.0
30	14.5	7.0	10.1	5.5		8.4	b 11.3	6.5	11.6	9.4	9.4	6.5
31	6.5		18.7	7.0		1,160		b 6.1		8.4	9.4	
	433.1	2750.5	2,525.5	389.4	519.2	2004.2	13,661.2	256.5	275.0	263.6	394.5	1,299.0
MEAN	14.0	91.7	81.5	28.7	18.5	64.6	422.	8.27	9.17	8.50	12.7	43.3
ACRE-FEET	859.	5,460.	5,010.	1,760.	1,030.	3,980.	25,110.	509.	545.	523.	782.	2,580.

Remarks:

YEAR OR PERIOD MEAN 66.5
ACRE-FEET 48,110.

STATION F319-R
LOS ANGELES RIVER below Wardlow Road
(formerly Belhart Street)

LOCATION: LAT. 33°49'02", LONG. 118°12'20", ON THE RIGHT (WEST) BANK, 900 FEET BELOW THE WARDLOW ROAD BRIDGE, LONG BEACH. ELEVATION OF ZERO GAGE HEIGHT 11.91 FEET. FORMER STATION, F180-R, WAS LOCATED ON THE PACIFIC COAST HIGHWAY BRIDGE APPROXIMATELY 1.94 MILES DOWNSTREAM.

DRAINAGE AREA: 815 SQUARE MILES. (REVISED, EXCLUDES AREA ABOVE SANTA FE DAM)

CHANNEL AND CONTROL: TRAPEZOIDAL CONCRETE, 352.25 FEET WIDE AT BOTTOM WITH 2.25 TO 1 FOOT SLOPED LEVEES; 0.5-FOOT INVERTED BOTTOM TO LOW FLOW CHANNEL. 28 FEET WIDE AND 1.0 FOOT DEEP IN CENTER OF CHANNEL. CHANNEL FORMS CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION AND/OR DIVERSIONS: FLOW IS SUBJECT TO THE SAME REGULATION AS STATION F34D-R AND STATION F45B-R AND DIVERSION TO DOMINGUEZ GAP SPREADING GROUNDS.

RECORDS AVAILABLE: JANUARY 13, 1956 TO SEPTEMBER 30, 1965 AT STATION F319-R; FOR EARLIER RECORDS, OCTOBER 31, 1931 TO JANUARY 13, 1956, SEE STATION F180-R; PRIOR TO 1931, SEE STATION F36-R, LOS ANGELES RIVER AT WILLOW STREET.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 15,980 SECOND-FEET, JANUARY 22.
MINIMUM: 4.5 SECOND-FEET, MARCH 29.
1964-65
MAXIMUM: 30,090 SECOND-FEET APRIL 9.
MINIMUM: 4.1 SECOND-FEET NOVEMBER 15.
1931-65 (STATION F180-R)
MAXIMUM: 99,000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM: NO FLOW AT TIMES IN 1930-31 AND 1933-34)

ACCURACY: GOOD.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F319-R

Daily discharge, in second-feet of LOS ANGELES RIVER below Wardlow Road, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10.0	7.6	10.0	11.0	11.5	13.0	2000	13.8	11.0	19.4	15.4	16.2
2	10.0	7.2	10.0	11.0	12.0	181	99	11.0	17.8	17.0	11.5	14.6
3	10.0	7.2	11.0	11.5	9.5	40	16.2	10.5	13.0	14.6	13.8	14.6
4	10.0	7.6	10.5	11.5	13.8	18.6	11.5	14.6	13.8	12.0	19.4	13.8
5	10.0	9.5	12.0	10.5	13.8	17.8	8.0	19.4	14.6	8.5	19.4	12.0
6	8.0	1070	13.0	11.5	13.0	14.6	8.5	16.2	11.0	11.5	17.8	10.0
7	7.6	156	12.0	11.0	11.5	12.5	9.5	15.4	9.0	11.0	19.4	8.5
8	9.5	16.2	11.0	11.5	13.0	13.0	10.0	16.2	14.1	11.5	15.4	10.5
9	10.0	13.8	12.5	11.0	11.0	10.0	13.0	14.6	374	11.0	13.8	12.5
10	9.5	12.5	13.8	10.5	11.0	13.0	11.5	15.4	42	11.0	14.6	12.5
11	10.0	11.0	13.0	10.0	12.0	13.0	10.5	13.0	28	9.5	18.6	13.8
12	9.5	12.5	12.0	9.5	11.0	16.9	9.0	17.0	23	7.2	18.6	12.5
13	9.0	13.0	10.5	9.5	11.0	169	10.0	17.0	17.8	8.5	18.6	12.5
14	11.0	11.5	7.2	11.0	10.5	17.0	10.5	16.2	13.0	13.8	18.6	13.0
15	14.6	814	5.7	11.0	10.5	13.8	11.0	14.6	15.4	13.8	15.4	17.0
16	621	198	6.8	11.0	7.6	11.0	15.4	13.0	17.8	17.0	14.6	17.0
17	98	15.4	6.4	10.0	9.0	12.0	11.5	11.5	17.0	17.8	15.4	16.2
18	491	13.8	7.2	159	11.0	17.8	11.5	12.5	17.8	15.4	20	16.2
19	27	105	6.0	21	11.5	17.0	32	17.8	16.2	13.8	18.6	12.5
20	7.6	4150	8.0	10.5	11.5	14.6	11.5	17.0	15.4	13.8	18.6	17.8
21	10.5	241	9.0	2430	13.8	12.0	11.5	17.8	12.5	17.0	17.8	11.5
22	12.5	42	8.5	2230	11.0	1450	12.5	13.8	14.6	17.0	16.2	11.5
23	11.0	19.4	9.0	54	9.0	1500	11.5	11.5	17.0	16.2	14.6	10.0
24	9.5	15.4	9.0	32	10.0	320	11.0	9.5	18.6	15.4	17.0	8.0
25	8.0	12.0	7.2	22	13.0	38	10.0	12.5	17.8	15.4	21	8.5
26	9.5	13.8	7.2	13.8	13.8	15.4	8.0	11.5	41	12.5	25	10.0
27	22	12.5	9.5	10.5	16.2	9.5	11.0	11.5	38	13.8	22	10.0
28	9.5	11.0	9.5	16.2	16.2	7.2	32	11.5	10.0	16.2	21	11.5
29	12.0	10.0	8.5	15.4	16.2	5.3	44	10.5	11.0	16.2	16.2	13.8
30	11.0	11.0	9.0	11.5		6.8	19.6	9.0	14.6	17.8	13.0	13.8
31	8.5		10.5	11.0		130		7.6		17.0	14.6	
	1517.3	7039.9	295.5	5219.9	344.9	4129.8	2491.2	423.4	896.8	432.6	535.9	382.3
MEAN	48.9	235.	9.53	168.	11.9	133.	83.0	13.7	29.9	14.0	17.3	12.7
ACRE-FEET	3010.	13960.	586.	10350.	684.	8190.	4940.	840.	1780.	858.	1060.	758.

Remarks:

YEAR OR PERIOD MEAN 64.8
ACRE-FEET 47030.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F319-R

Daily discharge, in second-feet of LOS ANGELES RIVER below Wardlow Street, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13.0	8.5	13.0	12.5	12.0	11.5	2,700	12.5	13.8	12.5	12.5	13.0
2	13.8	10.5	13.8	7.2	16.2	12.0	1,710	11.0	13.3	13.0	13.8	14.6
3	12.0	12.5	11.5	7.2	13.0	12.5	1,930	10.5	15.4	11.0	19.4	13.8
4	12.0	12.0	11.0	10.0	14.6	12.0	1,170	13.8	15.4	9.5	21	14.6
5	15.4	8.5	9.5	10.5	31	12.5	135	13.8	13.0	7.2	18.6	16.8
6	19.4	8.5	8.0	11.5	457	13.8	41	30	10.5	10.0	20	175
7	19.4	9.0	9.0	579	154	70	57	17.8	12.5	12.5	18.6	35
8	19.4	8.0	11.0	41	12.0	23	4,380	12.5	13.0	13.0	15.4	13.5
9	17.8	1590	11.5	12.5	11.0	15.4	5,150	10.5	12.5	13.4	20	12.9
10	15.4	599	11.5	9.5	9.5	17.0	1,130	10.5	12.5	45	25	11.5
11	13.0	121	12.0	9.0	10.5	153	63	13.8	13.0	25	100	9.5
12	13.0	41	10.5	11.0	9.0	43	119	15.4	12.0	29	97	7.2
13	16.2	14.8	9.5	11.0	9.0	304	267	15.4	10.0	17.0 b	14.0	10.5
14	16.2	6.0	9.5	10.0	9.0	39	44	12.0	11.0	13.0	11.9	12.5
15	17.8	4.1	11.0	10.5	10.0	481	16.2	11.5	12.5	13.8	11.9	12.5
16	15.4	6.0	11.0	10.0	11.5	43	13.0	10.0	15.4	14.6	13.2	12.5
17	14.6	786	11.0	9.0	11.0	15.4	12.0	11.0	11.0	12.5	13.2	22
18	12.0	121	25	9.5	12.0	11.5	11.5	15.4	11.0	10.5 b	14.3	974
19	13.8	16.4	241	12.0	12.0	12.0	12.0	14.6	11.0	11.0	19.4	316
20	12.5	11.5	1590	12.0	11.5	13.9	13.2	14.6	9.5	14.6	15.4	79
21	11.0	8.5	367	13.0	9.5	10.0	16.2	13.0	9.5	13.0	14.6	14.6
22	11.5	7.2	43	12.0	9.5	10.0	14.6	11.5	12.0	13.0	10.0	18.6
23	13.0	9.0	23	10.5	11.0	12.0	14.6	10.5	12.0	14.6	12.0	17.9
24	12.0	10.5	17.0	535	10.5	12.0	12.5	11.0	12.5	12.5	14.6	17.9
25	10.0	12.0	8.5	29	10.5	10.5	11.0	15.4	12.5	11.0	17.0	14.6
26	11.0	10.0	8.5	17.8	12.0	11.5	13.8	13.8	10.0	13.9	14.6	10.5
27	13.0	8.5	1780	13.0	10.0	14.6	17.8	14.6	8.5	12.5	14.6	11.5
28	32	10.5	288	13.8	10.5	13.0	13.4	16.2	11.5	13.8	13.0	13.2
29	295	9.0	40	12.5		12.5	17.0	16.2	13.0	13.9	10.5	13.0
30	40	9.5	16.2	11.0		13.0	16.3	11.0	16.2	15.4	11.5	12.5
31	10.5		27	11.0		1870		11.0		14.6	13.0	
	761.1	3489.0	4757.5	1482.5	919.3	3814.5	14623.6	420.8	366.5	458.1	640.0	1925.5
MEAN	24.6	116.	153.	47.8	32.8	123.	658.	13.6	12.2	14.7	20.6	64.2
ACRE-FEET	1,510.	6,920.	9,440.	2,940.	1,820.	7,570.	39,140.	835.	727.	909.	1,270.	3,820.

Remarks:

YEAR OR PERIOD MEAN 106
ACRE-FEET 76,680.

STATION F279C–R
LOS CERRITOS CHANNEL at Stearns Street

LOCATION: LAT. 33°47'46", LONG. 118°06'10", ON THE RIGHT (WEST) BANK, SEVEN FEET ABOVE STEARNS STREET BRIDGE, LONG BEACH. ELEVATION OF ZERO GAGE HEIGHT 4.37 FEET.

DRAINAGE AREA: 36.2 SQUARE MILES.

CHANNEL AND CONTROL: TRAPEZOIDAL CONCRETE, 122 FEET WIDE AT TOP OF LEVEES, 88 FEET WIDE AT CHANNEL BOTTOM, 10 FEET DEEP.

DISCHARGE MEASUREMENTS. LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM STEARNS STREET BRIDGE.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATIONS AND/OR DIVERSIONS: NONE.

RECORDS AVAILABLE: LOS CERRITOS CHANNEL AT SEVENTH STREET, WATER SURFACE RECORDS ONLY NOVEMBER 23, 1942 TO JUNE 1, 1949. STREAM FLOW RECORDS AVAILABLE AT ATHERTON STREET, JUNE 1, 1949 TO MAY 26, 1955; AT STEARNS STREET OCTOBER 26, 1955 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:

1963–64
- MAXIMUM: 2430 SECOND-FEET NOVEMBER 19.
- MINIMUM: PLUS FLOW NOVEMBER 18.

1964–65
- MAXIMUM: 1590 SECOND-FEET APRIL 8.
- MINIMUM: 0.1 SECOND-FOOT AT VARIOUS TIMES.

1949–65
- MAXIMUM: 3610 SECOND-FEET FEBRUARY 10, 1963.
- MINIMUM: DRY PART OF MOST YEARS.

ACCURACY: GOOD.

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

9AD74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F279C-R

Daily discharge, in second-feet of LOS CERRITOS CHANNEL at Stearns Street, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8	0.2	0.4	0.2	2.3	0.3	50	0.4	1.0	0.4	0.6	1.6
2	0.5	0.4	0.6	0.2	1.2	6.9	0.4	0.4	1.6	0.5	0.5	1.4
3	0.5	0.4	0.4	0.2	0.3	0.2	0.1	0.2	0.8	0.5	0.5	1.9
4	0.8	0.2	0.2	0.2	0.5	0.2	0.3	0.2	0.6	0.4	0.5	1.9
5	0.5	0.2	0.2	0.4	0.5	0.4	0.1	2.1	0.6	0.4	0.5	1.9
6	0.5	82	0.2	0.3	0.4	0.4	0.1	0.4	0.6	0.3	0.5	1.6
7	0.5	0.8	0.2	0.4	0.4	0.2	0.2	0.2	0.5	0.3	0.6	0.6
8	0.5	0.5	0.1	0.3	0.4	0.1	0.3	0.1	1.4	0.6	0.7	1.2
9	0.6	0.3	0.2	0.1	0.4	0.1	0.2	0.3	4.6	0.6	0.8	0.6
10	0.8	0.2	0.2	0.3	0.4	0.2	0.2	0.4	0.4	0.6	0.8	1.9
11	0.6	0.2	0.2	0.3	0.4	0.2	0.2	0.4	0.5	0.8	0.9	1.9
12	0.5	0.2	0.2	0.2	0.2	5.1	0.4	0.8	0.8	0.8	1.0	1.4
13	0.6	0.2	0.4	0.2	0.3	5.0	0.3	0.5	0.8	0.5	1.1	1.6
14	0.5	0.2	0.4	0.2	0.4	0.1	0.4	0.6	0.6	1.0	1.1	0.6
15	0.6	136	0.3	0.2	0.4	0.1	0.3	0.6	1.4	0.8	1.1	1.6
16	66	0.8	0.2	0.2	0.2	0.3	0.2	0.4	1.9	0.8	1.1	1.4
17	0.4	0.2	0.3	0.4	0.1	0.4	0.2	0.4	2.3	0.8	1.2	1.2
18	3.6	+	0.2	15.1	0.2	0.5	0.1	0.3	1.6	0.8	1.2	1.2
19	0.2	117	0.2	1.2	0.4	0.4	0.4	0.5	2.1	0.5	1.2	1.2
20	0.4	296	0.4	0.2	0.5	0.4	0.1	0.4	1.0	0.5	1.2	0.6
21	0.2	2.5	0.2	78	0.5	0.4	0.1	0.4	0.6	0.5	1.6	1.0
22	0.2	1.0	0.5	15.6	0.5	64	0.2	0.4	1.4	0.5	1.4	0.8
23	0.4	0.5	0.3	0.6	0.4	45	0.2	0.5	1.9	0.5	1.2	0.5
24	0.4	0.2	0.3	0.4	0.4	16.3	0.2	0.4	1.2	0.5	1.4	0.8
25	0.4	0.2	0.1	0.4	0.5	1.4	0.2	0.2	1.2	0.5	1.4	1.2
26	0.5	0.6	0.2	0.4	0.4	1.4	0.2	0.5	1.2	0.5	1.6	0.8
27	0.4	0.5	0.1	0.4	0.5	1.0	0.2	0.4	0.5	0.5	1.6	1.4
28	0.2	0.2	0.2	0.4	0.4	0.5	0.2	0.2	0.5	0.6	1.2	0.6
29	0.2	0.2	0.4	0.5	0.5	0.5	0.2	0.4	0.5	0.8	1.0	0.6
30	0.3	0.4	0.2	0.4		1.6	0.2	0.5	0.4	0.6	1.2	0.8
31	0.2		0.4	0.4		6.8		0.5		0.6	1.2	
	82.8	642.3	8.4	118.3	14.0	160.4	56.4	14.0	34.5	18.0	31.9	35.8
MEAN	2.7	21.4	0.27	3.82	0.48	5.17	1.88	0.45	1.15	0.58	1.03	1.19
ACRE-FEET	164.	1270.	17.0	235.	28.	318.	112.	28.	68.	36.	63.	71.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 3.32
ACRE-FEET 2410.

76D74M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F279C-R

Daily discharge, in second-feet of LOS CERRITOS CHANNEL at Stearns Street for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8	1.0	0.4	0.2	0.2	1.0	234	0.8	1.5	1.0	1.0	0.8
2	1.0	0.8	0.2	0.2	0.4	0.6	109	0.8	0.6	1.3	1.0	1.7
3	1.2	0.8	0.4	0.2	0.2	0.3	187	0.6	0.8	1.3	1.2	1.5
4	1.0	0.6	0.2	0.2	0.2	0.8	55	0.6	1.3	1.7	1.2	1.2
5	0.8	1.0	0.2	0.8	17.1	1.5	1.9	0.6	1.3	1.7	1.3	1.7
6	1.3	0.8	0.2	0.2	27	9.4	1.3	0.6	1.3	1.7	1.7	7.2
7	1.5	0.6	0.2	43	1.0	7.2	2.2	0.4	1.2	1.9	1.3	0.8
8	1.0	0.6	0.2	1.0	0.6	0.4	349	0.6	1.2	1.3	1.0	1.0
9	1.0	77	0.2	0.2	0.6	1.0	154	0.4	1.2	1.2	1.2	1.0
10	1.0	13.9	0.4	0.6	7.3	0.4	13.1	0.6	1.2	1.3	1.7	0.8
11	1.2	3.4	0.4	0.2	0.2	26	1.3	1.0	1.3	1.3	1.5	1.5
12	1.2	4.0	0.8	0.2	0.8	8.7	4.2	0.8	1.3	0.6	20	1.3
13	1.3	0.4	0.2	0.2	0.8	48	8.1	1.0	1.3	1.0	1.7	1.5
14	0.8	0.2	0.2	0.4	0.4	2.7	0.2	1.0	1.2	1.3	1.2	1.7
15	1.2	0.2	0.2	0.2	0.6	85	0.1	1.0	1.5	1.0	0.8	1.7
16	1.2	5.3	0.2	0.6	0.8	1.7	0.1	1.0	1.5	1.2	1.0	1.2
17	1.0	100	0.2	1.2	0.8	b 0.2	0.1	1.0	1.0	1.0	1.3	1.3
18	1.2	1.0	0.8	1.5	1.0	0.5	0.1	1.3	1.0	1.0	1.5	1.2
19	1.0	0.1	16.1	1.7	1.0	0.4	0.2	1.0	1.2	0.6	1.3	8.7
20	1.0	0.1	77	2.6	0.6	0.4	0.8	1.0	1.5	0.8	1.9	1.5
21	1.0	0.1	3.0	1.9	0.6	0.4	0.4	1.2	1.2	1.0	2.1	0.8
22	1.0	0.1	1.0	1.5	1.0	0.8	0.4	0.9	1.0	1.0	1.3	1.0
23	0.8	0.2	1.3	1.3	1.0	0.6	1.0	0.8	1.2	1.0	1.3	1.2
24	1.0	0.2	1.0	32	1.3	0.2	0.8	0.6	1.0	0.8	1.2	1.2
25	0.6	0.2	0.2	1.0	2.0	0.2	0.8	0.9	1.2	0.8	1.3	1.2
26	0.2	0.4	0.2	0.2	1.2	0.6	0.8	1.0	1.0	0.6	1.5	1.7
27	0.6	0.2	135	0.2	1.7	0.4	0.8	1.2	1.0	0.6	1.7	1.5
28	3.5	0.2	31	0.2	0.8	0.6	0.8	1.3	1.0	0.8	2.6	1.5
29	10.9	0.2	1.3	0.6		0.4	1.2	1.3	1.0	1.2	1.5	1.2
30	1.7	0.3	1.3	0.2		1.0	0.8	1.0	0.8	1.2	1.9	1.3
31	1.2		1.0	0.6		258		1.0		1.2	1.9	
	44.2	214.4	275.0	93.1	71.2	459.9	1139.5	27.1	34.8	34.4	63.1	51.9
MEAN	1.42	7.15	8.87	3.07	2.54	14.8	37.6	0.87	1.16	1.11	2.04	1.73
ACRE-FEET	88.	425.	545.	189.	141.	912.	2,240.	54.	69.	68.	125.	103.

Remarks:

YEAR OR PERIOD MEAN 6.85
ACRE-FEET 4,960.

STATION F130-R
MALIBU CREEK below Cold Creek

LOCATION: LAT. 34°04'40", LONG. 118°42'03", AT UPPER END OF MALIBU GORGE, ABOUT 0.2 MILE DOWNSTREAM FROM COLD CREEK, AND 6 MILES SOUTHWEST OF CALABASAS. ELEVATION OF ZERO GAGE HEIGHT, 432.82 FEET (FORMERLY KNOWN AS MALIBU CREEK AT CRATER CAMP).

DRAINAGE AREA: 103 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL – COARSE SAND AND GRAVEL LINED WITH BRUSH AND TREES. ARTIFICIAL CONTROL BELOW STATION INSTALLED JULY 1954.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATIONS AND/OR DIVERSIONS: LAKE SHERWOOD DAM, LAKE ELEANOR DAM, MALIBU LAKE MOUNTAIN CLUB DAM, AND CRAIG'S DAM. OTHER LOW DAMS BUILT FOR RECREATIONAL PURPOSES AFFECT THE LOW SUMMER FLOWS.

RECORDS AVAILABLE: JANUARY 17,1931 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 65 SECOND-FEET JANUARY 22.
MINIMUM: 0.02 SECOND-FOOT JULY 25.
1964-65
MAXIMUM: 521 SECOND-FEET APRIL 9.
MINIMUM: PLUS FLOW AT VARIOUS TIMES.
1931-65
MAXIMUM: 13,560 SECOND-FEET MARCH 15, 1952.
MINIMUM: NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F130-R

Daily discharge, in second-feet of MALIBU CREEK below Cold Creek, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.2	0.4	0.4	1.0	0.8	5.5	0.6	0.4	0.2	0.06	0.06
2	0.2	0.2	0.4	0.4	1.0	0.8	2.0	0.6	0.4	0.2	0.06	0.06
3	0.2	0.3	0.4	0.3	0.8	0.6	1.5	0.6	0.4	0.2	0.06	0.06
4	0.2	0.3	0.4	0.3	0.8	0.6	1.4	0.6	0.3	0.2	0.06	0.06
5	0.2	0.3	0.4	0.4	0.8	0.6	1.2	0.6	0.3	0.2	0.06	0.06
6	0.2	0.7	0.4	0.4	0.8	0.6	1.2	0.6	0.2	0.2	0.06	0.06
7	0.06	0.2	0.4	0.5	0.8	0.6	1.0	0.6	0.4	0.2	0.06	0.06
8	0.06	0.2	0.4	0.5	0.8	0.6	1.0	0.6	0.3	0.3	0.06	0.06
9	0.06	0.2	0.5	0.5	0.8	0.6	1.0	0.6	0.3	0.3	0.06	0.06
10	0.06	0.2	0.5	0.5	0.8	0.6	1.0	0.5	0.2	0.3	0.06	0.06
11	0.06	0.06	0.5	0.5	0.8	0.6	0.8	0.5	0.2	0.3	0.06	0.06
12	0.06	0.06	0.5	0.5	0.8	0.8	0.8	0.5	0.2	0.2	0.06	0.06
13	0.06	0.2	0.5	0.5	0.8	0.8	0.8	0.5	0.2	0.2	0.06	0.06
14	0.2	0.2	0.5	0.5	0.8	0.8	0.8	0.5	0.2	0.2	0.06	0.06
15	0.2	0.3	0.5	0.4	1.0	0.6	0.6	0.5	0.3	0.2	0.06	0.06
16	0.4	0.2	0.4	0.4	1.0	0.5	0.6	0.4	0.3	0.3	0.06	0.06
17	0.2	0.2	0.4	0.4	1.0	0.5	0.6	0.4	0.3	0.3	0.06	0.06
18	0.2	0.2	0.4	0.4	1.0	0.5	0.6	0.4	0.3	0.3	0.06	0.06
19	0.3	0.2	0.4	0.4	1.0	0.6	0.6	0.4	0.3	0.3	0.06	0.06
20	0.2	4.2	0.4	0.4	0.8	0.6	0.6	0.4	0.2	0.2	0.06	0.06
21	0.2	0.5	0.4	9.2	0.8	0.6	0.6	0.4	0.2	0.2	0.06	0.06
22	0.06	0.5	0.4	17	0.8	4.5	0.6	0.4	0.2	0.2	0.06	0.06
23	0.06	1.0	0.3	2.6	0.8	2.3	0.8	0.4	0.2	0.2	0.06	0.06
24	0.06	0.5	0.4	1.7	0.8	1.5	0.6	0.4	0.2	0.06	0.06	0.06
25	0.03	0.4	0.4	1.5	0.8	1.0	0.6	0.4	0.2	0.02	0.06	0.06
26	0.03	0.4	0.4	1.4	0.8	1.0	0.6	0.4	0.2	0.03	0.06	0.06
27	0.06	0.4	0.4	1.2	0.8	0.8	0.6	0.4	0.2	0.03	0.06	0.06
28	0.06	0.4	0.4	1.0	0.8	0.8	0.6	0.4	0.2	0.06	0.06	0.06
29	0.2	0.4	0.4	1.0	0.8	0.8	0.6	0.4	0.2	0.06	0.06	0.06
30	0.2	0.4	0.4	1.0		0.8	0.6	0.4	0.2	0.06	0.06	0.06
31	0.2		0.4	1.0		2.0		0.4		0.06	0.06	
	4.48	13.52	13.0	47.2	24.6	28.8	29.8	14.8	7.7	5.78	1.86	1.80
MEAN	0.14	0.45	0.42	1.52	0.85	0.93	1.00	0.48	0.26	0.19	0.06	0.06
ACRE-FEET	8.9	27.	26.	94.	49.	57.	60.	29.	15.	11.	3.7	3.6

Remarks:

YEAR OR PERIOD MEAN 0.53
ACRE-FEET 384.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F130-R

Daily discharge, in second-feet of MALIBU CREEK below Cold Creek, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.03	0.1	0.2	0.2	0.6	9.3	3.3	1.3	0.3	0.5	0.1
2	0.1	0.03	0.1	0.2	0.2	0.6	16	3.3	1.5	0.3	0.4	0.1
3	0.1	0.03	0.1	0.1	0.2	0.5	42	3.3	1.2	0.5	0.4	0.1
4	0.1	0.03	0.1	0.1	0.2	0.5	25	2.9	1.0	0.4	0.5	0.2
5	0.1	0.03	0.1	0.2	0.2	0.5	7.4	2.4	1.0	0.3	0.5	0.2
6	0.1	0.03	0.1	0.2	0.2	0.5	3.0	2.4	0.8	0.3	0.5	0.2
7	0.1	0.1	0.1	0.2	0.2	0.9	2.0	2.6	1.0	0.4	0.4	0.2
8	0.1	0.1	0.1	0.1	0.2	0.5	28	2.4	1.2	0.3	0.4	0.1
9	0.1	0.3	0.1	0.1	0.2	0.6	148	2.3	1.2	0.1	0.4	0.1
10	0.1	0.3	0.1	0.1	0.2	0.6	132	2.1	1.2	+	0.2	0.1
11	0.1	0.2	0.1	0.2	0.2	0.6	46	2.0	1.4	+	0.3	+
12	0.1	0.1	0.1	0.2	0.2	0.5	40	2.0	1.4	+	0.2	+
13	0.1	0.1	0.1	0.2	0.1	0.6	30	2.1	1.5	0.1	0.2	+
14	0.1	0.1	0.1	0.2	0.2	0.5	11	2.3	1.4	0.4	0.2	+
15	0.1	0.1	0.2	0.2	0.2	0.4	15	1.5	1.2	0.2	0.1	+
16	0.1	0.1	0.1	0.2	0.1	0.4	13	1.7	1.0	0.3	0.1	0.1
17	0.1	0.1	0.1	0.2	0.2	0.4	9.3	2.0	1.0	0.2	0.1	0.1
18	0.1	0.1	0.1	0.2	0.2	0.6	7.4	1.8	0.8	0.4	0.2	0.1
19	0.1	0.1	0.3	0.2	0.2	0.8	5.8	1.4	0.4	0.3	0.3	0.2
20	0.03	0.1	0.6	0.2	0.2	0.4	5.5	1.8	0.4	1.0	0.2	0.2
21	0.03	0.1	0.2	0.2	0.3	0.3	4.8	1.4	0.6	1.2	0.2	0.2
22	0.03	0.1	0.1	0.2	0.3	0.8	4.6	1.0	0.3	0.8	0.1	0.2
23	0.03	0.1	0.2	0.1	0.3	0.8	4.4	1.4	0.4	0.3	+	0.2
24	0.03	0.1	0.2	0.1	0.3	0.6	4.2	2.0	0.4	0.1	0.1	0.3
25	0.03	0.1	0.3	0.1	0.6	0.5	3.7	1.9	0.4	0.1	0.1	0.3
26	0.03	0.1	0.3	0.1	0.6	0.5	3.5	1.9	0.4	0.5	0.1	0.3
27	0.03	0.1	0.3	0.1	0.4	0.3	3.3	1.6	0.3	0.6	0.2	0.2
28	0.03	0.1	0.2	0.1	0.5	0.3	3.5	1.2	0.2	0.2	0.3	0.2
29	0.03	0.1	0.2	0.1		0.3	3.3	0.6	0.2	0.2	0.3	0.1
30	0.03	0.1	0.2	0.2		0.3	3.0	1.4	0.2	0.3	0.3	0.1
31	0.03		0.2	0.2		1.4		1.4		0.4	0.2	
	2.26	3.08	5.1	5.0	7.1	17.1	634.0	61.4	25.3	11.0	9.0	4.2
MEAN	0.07	0.10	0.16	0.16	0.25	0.55	21.1	1.98	0.84	0.35	0.26	0.14
ACRE-FEET	4.5	6.1	10.	9.9	14.	34.	1,260.	122.	50.	22.	16.	8.3

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.15
ACRE-FEET 1,560.

STATION P346–R

MILLARD CREEK above Arroyo Seco

LOCATION: LAT. 34°12'17", LONG. 118°09'52", ON THE RIGHT (NORTHERLY) BANK 250 FEET ABOVE ARROYO SECO CANYON ROAD, 4¾ MILES NORTHWEST OF PASADENA. ELEVATION OF ZERO GAGE HEIGHT 1215± FEET.

DRAINAGE AREA: 2.8 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL – ROCK AND GRAVEL.
CONTROL – CONCRETE DIVERSION WEIR 20.1 FEET WIDE AT STATION.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM ARROYO SECO CANYON ROAD BRIDGE.

RECORDER: A WEEKLY RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION AND/OR DIVERSIONS: LINCOLN AVENUE WATER COMPANY AND CITY OF PASADENA DIVERT LOW FLOWS FOR DOMESTIC USE.

RECORDS AVAILABLE: OCTOBER 1, 1961 TO OCTOBER 19, 1962; DECEMBER 17, 1962 TO SEPTEMBER 30, 1965. RECORDER RECORDS ONLY JANUARY 15, 1960 TO OCTOBER 1, 1961.

EXTREMES OF DISCHARGE:
1963–64
MAXIMUM: 33 SECOND–FEET MARCH 22.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1964–65
MAXIMUM: 25 SECOND FEET APRIL 9.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1960–65
MAXIMUM: 132 SECOND–FEET FEBRUARY 9, 1963.
MINIMUM: NO FLOW AT VARIOUS TIMES.

ACCURACY: POOR.

REMARKS: THERE WAS NO DIVERSION BY PASADENA DURING 1963–64 OR 1964–65. LINCOLN AVENUE WATER COMPANY DIVERTED 71 ACRE–FEET DURING 1963–64 AND 130 ACRE–FEET DURING 1964–65.

OPERATION: LOCATED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT. CONSTRUCTED BY THE CITY OF PASADENA IN COOPERATION WITH THE FLOOD CONTROL DISTRICT. THE STATE DEPARTMENT OF WATER RESOURCES, AND THE UNITED STATES FOREST SERVICE.

76D74M C/5 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. P346–R

Daily discharge, in second-feet of MILLARD CREEK above Arroyo Seco, for the year ending September 30, 19 64

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	+	0.01	0.05	0.03	3.8	b 0.08	+	0	0	0
2	0	0		0.01	0.03	0.07	b 2.9	0.08		0	0	0
3	0	0		0.01	0.03	0.01	1.8	0.07		0	0	0
4	0	0		0.01	0.03	0.01	1.4	0.06		0	0	0
5	0	0	+	0.01	0.03	0.07	1.0	0.06		0	0	0
6	0	0.3	0.01	0.01	0.03	0.06	0.6	0.06		0	0	0
7	0	0	0.01	0.01	0.03	0.06	0.2	b 0.06		0	0	0
8	0	0	0.01	0.01	0.03	0.05	0.1	0.05		0	0	0
9	0	0	0.02	0.01	0.03	0.05	0.1	0.05		0	0	0
10	0	0	0.02	0.01	0.03	0.06	0.1	0.04		0	0	0
11	0	0	0.02	0.01	0.03	0.05	0.1	0.03		0	0	0
12	0	0	0.02	0.01	0.03	0.3	0.1	0.02		0	0	0
13	0	0	0.02	0.01	0.03	0.07	b 0.07	0.01		0	0	0
14	0	0	0.02	0.01	0.03	0.03	0.05	0.01		0	0	0
15	0	0.3	0.02	0.01	0.03	0.03	0.02	0.01		0	0	0
16	0.2	0.02	0.02	0.01	0.03	0.01	0.02	0.01		0	0	0
17	0	0	0.02	0.01	0.05	0.01	0.02	0.01		0	0	0
18	+	0	0.02	0.02	0.05	0.03	0.02	+		0	0	0
19	0	0.2	0.02	0.2	0.05	0.06	0.04			0	0	0
20	0	1.5	0.02	0.4	0.05	0.07	0.04			0	0	0
21	0	0.1	0.02	3.5	0.05	0.3	b 0.06			0	0	0
22	0	0.05	0.02	3.6	0.05	2.8	0.06		+	0	0	0
23	0	0.03	0.02	0.4	0.05	0.8	0.06		0	0	0	0
24	0	0.03	0.02	0.3	0.06	0.5	0.06		0	0	0	0
25	0	0.03	0.02	0.3	0.06	0.3	0.06		0	0	0	0
26	0	0.01	0.02	0.3	0.07	0.06	0.07		0	0	0	0
27	0	0.01	0.02	0.07	0.07	0.05	0.07		0	0	0	0
28	0	0.01	0.02	0.06	0.05	0.03	0.08		0	0	0	0
29	0	+	0.02	0.07	0.03	0.03	b 0.08		0	0	0	0
30	0	+	0.01	0.1		0.03	0.08		0	0	0	0
31	0		0.01	0.06		1.0		+		0	0	
	0.2		0.47		1.19		13.16		+		0	
		2.59		9.55		7.03		0.71		0		0
MEAN	0.01	0.09	0.02	0.31	0.04	0.23	0.44	0.02	+	0	0	0
ACRE-FEET	0.4	5.1	0.9	19.	2.4	13.9	26.	1.4	+	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.09
ACRE-FEET 69.

75D74M Glb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. P346-R

Daily discharge, in second-feet of MILLARD CREEK above Arroyo Seco, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.06	0.05	0.03	1.2	0.01	0.03	0	0	0
2	0	0	0	0.06	0.03	0.01	7.5	0.01	0.03	0	0	0
3	0	0	0	0.06	0.03	0.01	7.1	0.01	0.05	0	0	0
4	0	0	0	0.1	0.05	0	1.9	0.01	0.03	0	0	0
5	0	0	0	0.1	0.3	0	0.9	0.01	0.03	0	0	0
6	0	0	0	0.37	1.2	0.01	b 0.9	0.01	0.03	0	0	0.01
7	0	0	0	0.5	0.2	0.05	0.9	0.05	0.03	0	0	0
8	0	0	0	0.07	e 0.05	0.01	8.6	0.03	0.1	0	0	0
9	0	0.3	0	0.06	0.03	0.01	12	0.05	0.03	0	0	0
10	0	0.1	0	0.01	0.03	0.01	14	0.03	0.01	0	0	0
11	0	0	0	0.01	e 0.03	0.03	14	0.01	0	0	0	0
12	0	+	0	0.01	0.06	0.05	2.3	0.03	0.01	0	0	0
13	0	0	0	0.01	0.05	0.1	2.3	0.05	0.01	0	0	0
14	0	+	0	0.01	0.06	0.1	0.9	0.1	0.01	0	0	0
15	0	0	0	0.01	0.05	0.03	3.0	0.05	0.01	0	0	0
16	0	0	0	0.02	0.05	0	3.7	0.01	0.01	0	0	0
17	0	0.2	0	0.03	0.03	0	1.9	0.01	0.03	0	0	0
18	0	0.1	0	0.04	0.03	0.01	0.4	0.01	0.01	0	0	0.01
19	0	0	0	0.05	0.03	0.01	0.8	0.01	0.01	0	0	0.03
20	0	0	0.1	0.05	0.01	0	0.1	0.01	0.01	0	0	0
21	0	0	0.1	0.05	0.01	0	0.1	0.03	0.01	0	0	0
22	0	0	+	0.05	0.01	0	0.3	0.03	0.01	0	0	0
23	0	0	+	0.05	0	0	0.3	0.05	0.03	0	0	0
24	0	0	0	0.06	0.01	0.01	0.1	0.1	0.01	0	0	0
25	0	0	0	0.06	0.01	0	0.1	0.03	0.03	0	0	0
26	0	0	+	0.06	0.03	0	0.1	0.03	0.05	0	0	0
27	0	0	0.3	e 0.06	0.1	0	0.1	0.05	0.01	0	0	0
28	0	0	0.3	0.03	0.05	0	0.1	0.03	0	0	0	0
29	0	0	0.2	0.01		0	0.1	0.01	0	0	0	0
30	0	0	0.1	0.03		0	0.05	0.03	0	0	0	0
31	0		0.1	0.03		0.05		0.03		0	0	
	0	0.7	1.2	1.82	3.59	0.53	85.75	0.93	0.65	0	0	0.05
MEAN	0	0.02	0.04	0.06	0.09	0.02	2.8	0.03	0.02	0	0	+
ACRE-FEET	0	1.4	2.4	3.6	5.1	1.1	170.	1.8	1.3	0	0	0.1

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.26
ACRE-FEET 187.

STATION F328-R

MINT CANYON CREEK at Fitch Avenue

LOCATION: LAT. 34°26'47", LONG. 118°25'37", ON THE RIGHT (WEST) UPSTREAM WING-WALL OF THE FITCH AVENUE BRIDGE, 8¾ MILES NORTHEAST OF SAUGUS. ELEVATION OF ZERO GAGE HEIGHT 1641.25 FEET. (CORRECTED)

DRAINAGE AREA: 26.9 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL; SOME WEED GROWTH. NO ARTIFICIAL CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: NONE.

DIVERSION: NONE.

RECORDS AVAILABLE: OCTOBER 26, 1956 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 111 SECOND-FEET APRIL 1.
MINIMUM: NO FLOW MOST OF YEAR.
1964-65
MAXIMUM: 94 SECOND-FEET APRIL 8.
MINIMUM: NO FLOW MOST OF YEAR.
1956-65
MAXIMUM: 708 SECOND-FEET DECEMBER 15, 1959.
MINIMUM: NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F328-R

Daily discharge, in second-feet of MINT CANYON CREEK at Fitch Avenue, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	13	0	0	0	0	0
2	0	0	0	0	0	+	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0.8	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	+	0	0	0	0	0	0	0	0	0	0	0
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
16	+	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	+	0	0	0	0	0	0	0	0	0	0	0
19	0	+	0	0	0	0	0	0	0	0	0	0
20	0	0.8	0	0	0	0	0	0	0	0	0	0
21	0	0	0	1.4	0	0	0	0	0	0	0	0
22	0	0	0	3.5	0	0.1	0	0	0	0	0	0
23	0	0	0	0	0	0.3	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	+	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		2.6		0		0	0	
	+		0		0		13		0		0	
		1.6		4.9		3.0		0		0		0
MEAN	+	0.05	0	0.16	0	0.10	0.43	0	0	0	0	0
ACRE-FEET	+	3.2	0	9.7	0	6.0	26.	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.06
ACRE-FEET 45.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F328-R

Daily discharge, in second-feet of MINT CANYON CREEK at Fitch Avenue, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	a 0	0	0	3.1	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	0.2	0	0	0	0	0
4	0	0	0	0	0	0	2.8	0	0	0	0	0
5	0	0	0	a 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
8	0	0	0	0	0	0	17	0	0	0	0	0
9	0	+	0	0	0	0	9.3	0	0	0	0	0
10	0	+	0	0	0	0	+	0	0	0	0	0
11	0	0	0	0	0	0	+	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	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
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	+
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
28	0	0	+	0	0	0	0	0	0	0	0	0
29	+	0	a 0	0		0	0	0	0	0	0	0
30	0	0	a 0	0		0	0	0	0	+	0	0
31	0		a 0	0				0		0	0	
	+		+		+		33.4		0		0	
		+		+		+		0		+		+
MEAN	+	+	+	+	+	+	1.11	0	0	+	0	+
ACRE-FEET	+	+	+	+	+	+	66.	0	0	+	0	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.09
ACRE-FEET 66.

STATION F330–R

MISSION CREEK below Legg Lake

LOCATION: LAT. 34°02'09", LONG. 118°03'47", AT THE OUTLET FROM LEGG LAKE ON THE EAST SIDE OF ROSEMEAD BOULEVARD, 1½ MILES SOUTH OF EL MONTE. ELEVATION OF ZERO GAGE HEIGHT ABOUT 204.0 FEET.

DRAINAGE AREA: 3.45 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL – CONCRETE BOX CULVERT.
CONTROL – A 3–FOOT CIPPOLETTI WEIR FORMS CONTROL.

DISCHARGE MEASUREMENTS: MEASURED BY WADING BELOW ROSEMEAD BOULEVARD.

RECORDER: A WEEKLY RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: SOME WATER PUMPED TO KEEP LEGG LAKE LEVEL AND TO SATISFY EVAPORATION AND PERCOLATION FROM THE LAKE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: AUGUST 8, 1956 TO SEPTEMBER 30, 1965. SOME STREAM FLOW MEASUREMENTS WERE MADE STARTING JUNE 7, 1956.

ACCURACY: GOOD.

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

REMARKS: THERE WAS NO FLOW DURING THE 1964–65 SEASON.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F330–R

Daily discharge, in second-feet of MISSION CREEK below Legg Lake, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	+	0	0	0	0
2	0	0	0	0	0	+	0		0	0	0	0
3	0	0	0	0	0	0	0		0	0	0	0
4	0	0	0	0	0	0	0		0	0	0	0
5	0	0	0	0	0	0	0		0	0	0	0
6	0	0	0	0	0	0	0		0	0	0	0
7	0	+	0	0	0	0	0		0	0	0	0
8	0		0	0	0	0	0		0	0	0	0
9	0		0	0	0	0	0		0	0	0	0
10	0	+	0	0	0	0	0		0	0	0	0
11	0	0.3	0	0	0	0	0		0	0	0	0
12	0	0.3	0	0	0	0	0		0	0	0	0
13	0	0.4	0	0	0	0	+		0	0	0	0
14	0	0.2	0	0	0	0			0	0	0	0
15	0	+	0	0	0	0			0	0	0	0
16	0		0	0	0	0			0	0	0	0
17	0		0	0	0	0			0	0	0	0
18	0		0	+	0	0			0	0	0	0
19	0		0	0	0	0			0	0	0	0
20	0		0	0	0	0			0	0	0	0
21	0	+	0	+	0	0			0	0	0	0
22	0	0	0	+	0	0		+	0	0	0	0
23	0	0	0	0	0	0		0	0	0	0	0
24	0	0	0	0	0	0		0	0	0	0	0
25	0	0	0	0	0	0		0	0	0	0	0
26	0	0	0	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
31	0		0	0		0		0		0	0	
	0	1.2	0	+	0	+	+	+	0	0	0	0
MEAN	0	0.04	0	0	0	+	+	+	0	0	0	0
ACRE-FEET	0	2.4	0	0	0	+	+	+	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN +
ACRE-FEET 2.4

STATION F83–R
MISSION CREEK at San Gabriel Boulevard

LOCATION: LAT. 34°01'45", LONG. 118°04'06", ON THE UPSTREAM END OF THE RIGHT (WEST) ABUTMENT OF SAN GABRIEL BOULEVARD BRIDGE, JUST EAST OF THE RIO HONDO, ABOUT TWO MILES NORTHEAST OF MONTEBELLO. ELEVATION OF ZERO GAGE HEIGHT 188.20 FEET.

DRAINAGE AREA: ABOUT 4.15 SQUARE MILES. FLOW ORIGINATES ALMOST ENTIRELY FROM RISING WATER.

CHANNEL AND CONTROL: CHANNEL – SAND COVERED WITH WEEDS AND BRUSH. SOME CROSS FENCES WHICH CATCH DEBRIS. NO ARTIFICIAL CONTROL.

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

RECORDER: WEEKLY RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: PARTIALLY REGULATED BY OUTFLOW FROM LEGG LAKE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JUNE 14, 1930 TO SEPTEMBER 30, 1965. SOME WEEKLY STREAM FLOW MEASUREMENTS WERE TAKEN PRIOR TO INSTALLATION OF RECORDER IN 1930.

EXTREMES OF DISCHARGE:

1963–64
- MAXIMUM: 1.0 SECOND–FEET NOVEMBER 20.
- MINIMUM: NO FLOW MOST OF YEAR.

1964–65
- MAXIMUM: 1.9 SECOND–FEET APRIL 9.
- MINIMUM: NO FLOW MOST OF YEAR.

1930–65
- MAXIMUM: DISCHARGE NOT DETERMINED, MARCH 2, 1938.
- MAXIMUM: DISCHARGE OF RECORD, 336 SECOND–FEET FEBRUARY 22, 1944.
- MINIMUM: NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

REMARKS: MISSION CREEK RECORD AS USED IN THE RISING WATER FORMULA IS DERIVED FROM Q VS. ELEVATION OF WATER SURFACE IN WELL 2946.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

78D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F83–R

Daily discharge, in second-feet of MISSION CREEK at San Gabriel Boulevard, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	+	0	0	0	0	0	0	0
2	0	0	0	+		0	0	0	0	0	0	0
3	0	0	0			0	0	0	0	0	0	0
4	0	0	0			0	0	0	0	0	0	0
5	0	0	0			0	0	0	0	0	0	0
6	0	0	0			0	0	0	0	0	0	0
7	0	0	0			0	0	0	0	0	0	0
8	0	0	0		+	0	0	0	0	0	0	0
9	0	0	0		0	0	0	0	0	0	0	0
10	0	0	0		0	0	0	0	0	0	0	0
11	0	0	0		0	0	0	0	0	0	0	0
12	0	0	0		0	0	0	0	0	0	0	0
13	0	0	0		0	0	0	0	0	0	0	0
14	0	0	0		0	0	0	0	0	0	0	0
15	0	0	0		0	0	0	0	0	0	0	0
16	0	0	0		0	0	0	0	0	0	0	0
17	0	0	0		0	0	0	0	0	0	0	0
18	+	0	0		0	0	0	0	0	0	0	0
19	0	+	0	+	0	0	0	0	0	0	0	0
20	0	0.1	0	0	0	0	0	0	0	0	0	0
21	0	0	0	+	0	0	0	0	0	0	0	0
22	0	0	0		0	+	0	0	0	0	0	0
23	0	0	0		0	+	0	0	0	0	0	0
24	0	0	0		0	0	0	0	0	0	0	0
25	0	0	0		0	0	0	0	0	0	0	0
26	0	0	0		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
31	0		0	+		0		0		0	0	
	+		0		+		0		0		0	
		0.1		+		+		0		0		0

MEAN	+	+	0	+	+	+	0	0	0	0	0	0
ACRE-FEET	+	0.2	0	+	+	+	0	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN + ACRE-FEET 0.2

7607424 Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F83–R

Daily discharge, in second-feet of MISSION CREEK at San Gabriel Boulevard, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0.1	0	0	0	0	0
9	0	+	0	0	0	0	0.2	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	+	0	0	0	0	0.3	0	0	0	0	0
MEAN	0	+	0	0	0	0	0.01	0	0	0	0	0
ACRE-FEET	0	+	0	0	0	0	0.6	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN +
ACRE-FEET 0.6

STATION E321–R
MISSION CREEK below Whittier Narrows Dam

LOCATION: LAT. 34°01'15", LONG. 118°04'15", FOUR–FOOT PARSHALL FLUME, ON LEFT (EAST) BANK ABOUT 500 FEET BELOW WHITTIER NARROWS DAM. ELEVATION OF GAGE HEIGHT 187.1 FEET.

RECORDS AVAILABLE: DECEMBER 1955 TO SEPTEMBER 1965.

EXTREMES OF DISCHARGE:
1963–64
NO FLOW DURING YEAR.
1964–65
MAXIMUM: DAILY 7.2 SECOND–FEET APRIL 10.
MINIMUM: NO FLOW MOST OF YEAR.
1955–65
MAXIMUM: DAILY 18 SECOND–FEET JANUARY 6, 1959.
MINIMUM: NO FLOW AT VARIOUS TIMES

REMARKS: RECORDS GOOD. FLOW IS ALMOST ENTIRELY FROM GROUND–WATER SEEPAGE.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY.

760T4M C4b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E321-R

Daily discharge, in second-feet o. MISSION CREEK below Whittier Narrows Dam, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	2.7	0	0	0	0	0
10	0	0	0	0	0	0	7.2	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0		0		0		9.9		0		0	
		0		0		0		0		0		0
MEAN	0	0	0	0	0	0	0.33	0	0	0	0	0
ACRE-FEET	0	0	0	0	0	0	20.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.03
ACRE-FEET 20.

STATION F181-R
MONTEBELLO STORM DRAIN above Rio Hondo

LOCATION: LAT. 33°59'59", LONG. 118°06'17", ON THE RIGHT (SOUTH) WALL OF THE STORM DRAIN, 150 FEET EAST OF THE EAST END OF MINES AVENUE, MONTEBELLO. ELEVATION OF ZERO GAGE HEIGHT 152.22 FEET.

DRAINAGE AREA: 9.6 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - 14 FT. × 10 FT. CONCRETE-COVERED DRAIN. THE STAGE-DISCHARGE RELATION MAY BE AFFECTED BY BACKWATER FROM THE RIO HONDO DURING FLOOD FLOWS.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING AT OUTLET. HIGH FLOWS MEASURED FROM OPENINGS IN TOP OF CHANNEL.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 12, 1932 TO AUGUST 5, 1954; DECEMBER 9, 1954 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 553 SECOND-FEET NOVEMBER 19.
MINIMUM: 0.2 SECOND-FOOT AT VARIOUS TIMES.
1964-65
MAXIMUM: 844 SECOND-FEET APRIL 9.
MINIMUM: PLUS FLOW AT VARIOUS TIMES.
1931-61
MAXIMUM: 1400 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM: NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

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

FDD 74M Glb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F181-R

Daily discharge, in second-feet of MONTEBELLO STORM DRAIN above Rio Hondo, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	0.5	0.5	0.6	0.5	0.6	38	0.3	2.0	0.8	0.4	0.5
2	0.6	0.4	0.6	0.4	0.4	7.9	0.3	0.3	2.2	0.8	0.4	0.8
3	0.6	0.5	0.6	0.6	0.4	0.5	0.3	0.3	2.2	0.6	0.5	0.8
4	0.6	0.5	0.6	0.5	0.4	0.8	0.2	0.4	2.0	2.0	0.4	0.8
5	0.6	0.4	0.5	0.5	0.3	0.4	0.2	0.3	1.7	2.0	0.4	0.8
6	0.6	23	0.5	0.5	0.3	0.4	0.3	0.3	1.0	0.6	0.8	0.6
7	0.6	0.4	0.6	0.8	0.4	2.0	0.4	0.3	1.0	0.5	0.8	0.6
8	0.6	0.5	0.6	0.4	0.4	0.3	0.3	0.6	0.8	0.5	0.6	0.6
9	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.5	11.3	0.5	0.5	0.6
10	0.6	0.5	0.5	0.5	0.4	0.3	0.4	0.5	0.2	0.5	0.6	0.8
11	0.6	0.6	0.6	0.5	0.4	0.4	0.4	0.5	0.8	2.2	0.6	1.1
12	0.6	0.5	0.4	0.6	0.4	5.3	0.5	0.5	0.6	1.4	0.5	1.0
13	0.6	0.6	0.5	0.5	0.6	1.0	0.4	0.6	2.6	0.8	0.8	0.8
14	0.6	0.4	0.4	0.6	0.4	0.3	0.6	0.3	2.0	1.0	0.4	1.0
15	0.6	23	0.4	0.5	0.4	0.3	0.6	0.3	0.5	1.1	0.3	0.8
16	16.6	0.3	0.3	0.6	0.4	0.3	0.5	0.3	0.8	1.1	0.4	0.6
17	1.5	0.3	0.3	0.6	0.4	0.4	0.6	0.4	1.0	1.0	0.5	0.6
18	23	0.2	0.4	4.7	0.4	0.4	0.8	1.1	1.0	0.8	0.3	0.8
19	0.3	30	0.4	0.3	0.5	0.6	1.9	2.2	1.0	0.8	0.4	0.8
20	0.3	77	0.5	0.5	1.4	0.4	0.4	2.4	3.0	1.0	0.6	0.6
21	0.3	0.4	0.5	51	0.5	0.3	0.5	2.0	2.0	1.0	0.8	1.0
22	0.3	0.3	0.5	37	0.6	39	0.6	1.1	0.6	1.1	0.6	1.0
23	0.3	0.3	0.5	0.3	0.5	12.5	0.3	0.6	0.6	1.1	0.6	0.6
24	0.4	0.3	0.6	0.3	0.8	1.4	0.4	1.1	0.6	0.8	0.8	1.0
25	0.4	0.3	0.5	0.6	0.4	0.3	0.4	1.2	0.6	0.6	1.0	0.6
26	0.5	0.3	0.6	0.6	0.8	0.3	0.4	1.0	1.2	0.5	0.8	0.6
27	0.5	0.3	0.6	0.3	0.5	0.4	0.4	1.1	3.0	0.4	0.6	0.5
28	0.4	0.4	0.8	0.3	0.6	0.4	3.0	0.5	2.2	0.4	0.6	0.5
29	0.4	0.5	0.6	0.3	0.8	0.4	0.3	1.0	0.8	0.4	0.8	0.4
30	0.4	0.5	0.4	0.3		0.4	0.2	2.0	0.6	0.5	0.6	0.4
31	0.4		0.5	0.4		14.2		2.0		0.6	0.5	
	55.0	163.8	15.8	106.0	14.7	92.5	54.0	26.0	49.9	27.4	17.9	21.6
MEAN	1.77	5.46	0.51	3.42	0.51	2.98	1.80	0.84	1.66	0.88	0.58	0.72
ACRE-FEET	109.	325.	31.	210.	29.	183.	107.	52.	99.	54.3	35.5	42.8

Remarks:

YEAR OR PERIOD MEAN 1.76
ACRE-FEET 1280.

FDD 74M Glb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F181-R

Daily discharge, in second-feet of MONTEBELLO STORM DRAIN above Rio Hondo, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	a 0.6	0.4	0.5	0.4	0.2	0.6	63	0.6	0.4	0.8	1.0	0.8
2	1.0	0.3	0.5	0.4	0.1	0.8	33	0.6	0.4	1.0	1.0	0.8
3	0.5	0.6	0.4	0.4	0.2	0.8	30	0.6	0.4	1.0	1.0	0.8
4	2.4	0.5	0.5	0.4	0.6	0.4	21	0.6	0.4	0.6	1.0	0.6
5	1.0	0.8	0.5	0.4	3.2	0.5	0.6	0.6	0.4	1.0	1.1	0.6
6	0.8	0.8	0.5	0.4	6.5	0.5	0.4	0.5	0.4	1.0	1.1	7.2
7	0.6	0.8	0.4	15.7	0.8	1.0	7.0	0.8	0.4	1.0	1.1	0.3
8	0.6	0.5	0.5	0.4	0.5	0.5	124	1.0	0.4	1.0	1.0	0.3
9	0.6	19.8	0.4	0.5	0.5	0.5	124	0.8	0.3	1.0	1.1	0.4
10	0.5	19.9	0.4	0.5	1.0	0.5	3.2	0.8	0.4	1.0	1.1	0.5
11	0.4	0.4	0.4	0.5	0.5	3.2	0.6	0.8	1.0	1.0	2.4	0.4
12	0.5	2.0	0.4	0.8	0.6	3.5	4.9	1.0	0.8	1.0	5.6	0.4
13	0.5	0.3	0.4	0.5	1.0	22	1.1	0.6	0.6	0.6	0.8	0.8
14	0.5	0.2	0.3	0.4	0.6	0.4	0.5	0.6	0.6	0.6	0.8	0.4
15	0.4	0.2	0.4	0.4	0.8	15.2	0.5	1.0	0.6	0.5	0.6	0.6
16	0.6	0.2	0.6	0.5	0.6	0.4	0.6	0.5	0.6	0.5	0.6	0.5
17	0.5	30	0.3	0.8	0.5	0.4	0.6	0.6	0.5	0.5	0.6	1.1
18	0.6	0.4	1.9	1.2	0.6	0.4	1.1	1.1	1.0	0.5	0.6	28
19	0.4	0.4	14.0	1.0	0.6	0.5	0.5	0.4	0.6	0.5	0.6	4.1
20	0.4	0.5	45	a 0.5	0.8	0.5	0.6	0.6	0.5	0.6	0.6	0.4
21	0.4	0.6	0.8	a 0.4	0.8	0.5	0.5	0.5	0.6	0.6	0.6	0.3
22	0.3	0.4	0.3	0.4	0.6	0.5	0.5	0.5	0.6	0.6	0.5	0.3
23	+	0.4	0.6	0.5	0.6	0.4	0.6	0.4	0.5	0.6	0.5	0.4
24	0.1	0.8	0.6	21	0.6	0.4	0.8	0.6	0.5	0.6	0.5	0.6
25	+	0.4	0.3	0.2	0.5	0.4	0.6	1.0	0.6	0.8	0.8	0.6
26	+	0.4	0.5	0.2	0.5	0.5	0.6	1.0	0.6	0.8	0.5	0.5
27	1.3	0.4	49	0.2	0.5	0.5	0.6	1.0	0.6	0.8	0.5	0.6
28	0.5	0.4	9.8	0.4	0.6	0.5	0.6	1.0	0.6	0.8	0.5	0.6
29	10.2	0.5	0.5	0.4		0.8	0.5	1.0	0.6	0.8	0.8	0.6
30	0.5	0.4	0.4	0.4		0.4	0.6	0.6	0.6	1.1	0.8	0.5
31	0.4		0.4	0.4		44		0.5		1.0	0.8	
	27.1	83.7	131.5	50.6	25.0	103.5	423.1	22.2	16.5	24.2	30.5	54.0
MEAN	0.87	2.79	4.38	1.63	0.89	3.34	14.1	0.72	0.55	0.78	0.98	1.80
ACRE-FEET	54.	166.	261.	100.	50.	205.	839.	44.	33.	48.	60.	107.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.72
ACRE-FEET 1,970.

STATION F118B-R,
PACOIMA CREEK FLUME below Pacoima Dam

LOCATION: LAT. 34°20'07", LONG. 118°23'50", ON THE RIGHT (NORTH) SIDE OF THE FLUME, ABOUT 500 FEET DOWNSTREAM FROM PACOIMA DAM AND FOUR MILES NORTHEAST OF SAN FERNANDO. ELEVATION OF ZERO GAGE HEIGHT ABOUT 1643.50 FEET. (FORMER STATIONS F118-R AND U13-R WERE LOCATED 450 FEET AND ONE HALF MILE, RESPECTIVELY, DOWNSTREAM OF THE PRESENT STATION.)

DRAINAGE AREA: 28.2 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - GRAVEL AND BOULDERS ABOVE AND BELOW FLUME, CONTROL - 10-FOOT SAN DIMAS-TYPE RUBBLE AND CONCRETE FLUME, 90° V-NOTCH WEIR CAN BE DROPPED IN PLACE TO MEASURE LOW FLOWS.

DISCHARGE MEASUREMENTS: FROM FOOTBRIDGE OVER FLUME.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: REGULATED BY PACOIMA DAM. STATIONS F118-R AND F118B-R DO NOT INCLUDE SPILLWAY DISCHARGES. STATION U13-R WAS SO LOCATED THAT IT WOULD HAVE INCLUDED SPILLWAY DISCHARGE.

DIVERSIONS: WATER PASSING OVER PACOIMA DAM SPILLWAY ENTERS PACOIMA CREEK BELOW STATION F118B-R.

RECORDS AVAILABLE: AT STATION U13-R, PACOIMA CREEK NEAR SAN FERNANDO, CALIFORNIA; AT OFFICE OF UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH, LOS ANGELES, FROM MARCH 1916 TO SEPTEMBER 1929; FROM OCTOBER 1, 1929 TO MARCH 23, 1933. RECORDS BASED ON DAM OUTFLOW RECORDS AND GAGE READINGS AT THE PARSHALL FLUME BELOW PACOIMA DAM. THESE RECORDS ARE AVAILABLE AT THE OFFICE OF THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.
AT STATION F118-R - MARCH 24, 1933 TO FEBRUARY 1, 1935.
AT STATION F118B-R - FEBRUARY 9, 1935 TO APRIL 28, 1937, AND JUNE 25, 1937, TO JUNE 15, 1943; AND FROM SEPTEMBER 15, 1943 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 117 SECOND-FEET JUNE 15.
MINIMUM: PLUS FLOW MOST OF YEAR.
1964-65
MAXIMUM: 5.3 SECOND-FEET MAY 7.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1916-29 (STATION U13-R)
MAXIMUM: 1860 SECOND-FEET FEBRUARY 16, 1927.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1929-65 (STATIONS F118-R, AND PARSHALL FLUME AND DAM RECORDS.)
MAXIMUM: 685 SECOND-FEET MARCH 2, 1938.
MINIMUM: NO FLOW AT VARIOUS TIMES.

ACCURACY: EXCELLENT FOR LIMITS OF FLOW.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

9AD74M Glb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F118B-R

Daily discharge, in second-feet of PACOIMA CREEK FLUME below Pacoima Dam, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	+	+	+	+	+	17.9	0.5	0.4	0.02
2									17.9	0.2	0.4	0.03
3									17.9	0.2	0.4	0.03
4									17.2	0.3	0.4	0.03
5									17.2	0.4	0.4	0.02
6									17.2	0.4	0.4	0.02
7									17.2	0.5	0.4	0.02
8									17.2	0.5	0.3	0.02
9									17.2	0.5	0.3	0.02
10									16.5	0.5	0.3	0.02
11									15.8	0.5	0.3	0.02
12									10.5	0.5	0.4	0.02
13									+	0.5	0.4	0.02
14		+							+	0.5	0.2	0.02
15		e 0.1							9.2	0.5	0.1	0.02
16		+							1.3	0.5	0.04	0.02
17									1.0	0.5	0.03	0.02
18									0.9	0.5	0.03	0.02
19									0.9	0.5	0.03	0.02
20									0.8	0.5	0.03	0.02
21									0.8	0.5	0.03	0.02
22									0.7	0.5	0.03	0.02
23									0.7	0.5	0.02	0.03
24									0.7	0.5	0.02	0.02
25									0.7	0.5	0.02	0.01
26								7.2	1.3	0.5	0.02	0.01
27								13.4	1.3	0.5	0.02	0.01
28								16.5	1.0	0.5	0.02	0.01
29								18.1	0.9	0.4	0.02	0.01
30								19.3	0.8	0.4	0.02	0.02
31	+		+	+		+	+	18.6		0.4	0.02	
	+	0.1	+	+	+	+	+	93.1	222.7	14.2	5.50	0.59
MEAN	+	+	+	+	+	+	+	3.00	7.42	0.46	0.18	0.02
ACRE-FEET	+	0.2	+	+	+	+	+	185.	445.	28.	11.	1.2

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.921
ACRE-FEET 670.

76DT4M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F118B-R

Daily discharge, in second-feet of PACOIMA CREEK FLUME below Pacoima Dam for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	0	+	+	+	+	4.3	4.2	4.0	3.9
2				+					4.3	4.2	4.0	3.9
3									4.3	4.2	4.0	2.8
4					+				4.3	4.2	4.0	0.2
5					0.1				4.3	4.2	4.0	0.1
6					0.1			+	4.3	4.2	4.0	0.1
7					0.1			1.6	4.3	4.2	4.0	0.1
8					0.1			5.1	4.3	4.2	4.0	+
9					+			5.1	4.3	4.2	4.0	
10								5.1	4.3	4.2	4.0	
11								5.1	4.3	4.1	4.0	
12								5.1	4.3	4.0	4.0	
13								5.1	4.3	4.0	4.0	
14								5.1	4.3	4.0	4.0	
15								5.1	4.3	4.0	4.0	
16								4.8	4.3	4.0	4.0	
17								4.5	4.2	4.0	4.0	+
18								4.5	4.2	4.0	4.0	0.1
19								4.5	4.2	4.0	4.0	+
20								4.5	4.2	4.0	4.0	
21								4.5	4.2	4.0	4.0	
22								4.5	4.2	4.0	4.0	
23								4.5	4.2	4.0	4.0	
24								4.5	4.2	4.0	4.0	
25								4.5	4.2	4.0	4.0	
26			+					4.5	4.2	4.0	3.9	
27			0		+			4.3	4.2	4.0	3.9	
28			0					4.3	4.2	4.0	3.9	
29			0					4.3	4.2	4.0	3.9	
30		+	0				+	4.3	4.2	4.0	3.9	+
31	+		0	+		+		4.3		4.0	3.9	
	+		+		0.4		+		127.6		123.4	
		+		+		+		113.7		126.1		11.2
MEAN	+	+	+	+	0.01	+	+	3.66	4.25	4.07	3.98	0.37
ACRE-FEET	+	+	+	+	0.8	+	+	225.	253.	250.	245.	22.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.37
ACRE-FEET 996.

STATION F305-R
PACOIMA DIVERSION at Branford Street

LOCATION: LAT. 34°14'06", LONG. 118°25'13", ON THE LEFT (NORTHEASTERLY) BANK OF THE CHANNEL, 35 FEET ABOVE BRANFORD STREET BRIDGE, 1½ MILES SOUTH OF PACOIMA. ELEVATION OF ZERO GAGE HEIGHT 847.50 FEET.

DRAINAGE AREA: 48.8 SQUARE MILES.

CHANNEL AND CONTROL: TRAPEZOIDAL CONCRETE, WITH GROUTED ROCK WALLS. CHANNEL FORMS CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 1965.

REGULATION: FLOW REGULATED BY PACOIMA DAM AND LOPEZ BASIN.

DIVERSIONS: SMALL DIVERSIONS FOR IRRIGATION NEAR MOUTH OF CANYON. WATER DIVERTED TO LOPEZ AND PACOIMA SPREADING GROUNDS DURING SPREADING OPERATIONS.

RECORDS AVAILABLE: OCTOBER 30, 1953 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 2550 SECOND-FEET JANUARY 22.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1964-65
MAXIMUM: 946 SECOND-FEET APRIL 9.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1953-65
MAXIMUM: 2960 SECOND-FEET FEBRUARY 11, 1962.
MINIMUM: NO FLOW VARIOUS TIMES.

ACCURACY: GOOD.

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

76D74M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F305-R

Daily discharge, in second-feet of PACOIMA DIVERSION at Branford Street, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	+	0	0.3	24	0.3	0.4	0.3	0.8	0.6
2	+	+			0	8.4	+	+	0.6	0.4	0.8	0.4
3	+	4.9			0	1.0	0	0.3	0.4	0.4	0.8	0.3
4	0.6	0.3			0	+	+	1.0	0.4	0.4	0.8	0.3
5	+	+			0	0	+	0.4	0.4	0.6	0.6	0.4
6	+	15.4			0	0	+	0.3	1.2	0.6	0.6	0.6
7	+	+			0	0.8	0	+	0.8	0.6	0.8	0.6
8	0.3	+	+		0	+	0		1.7	0.6	0.6	0.4
9	0.3	0.3	0.5		0	0	0		12.1	0.8	0.6	0.4
10	0.4	0.3	+		0	0	+	+	0.3	0.6	0.4	+
11	0.4	0.3			0	0		0.3	+	0.6	0.4	+
12	0.3	0.3			0	2.6		0.8	0.8	0.6	0.4	+
13	0.3	+			0	1.0		0.6	0.8	0.6	0.4	0.3
14	+	+			0	0		0.3	0.8	0.8	0.3	0.3
15	+	23			0	0		0.3	0.6	0.6	0.3	0.3
16	15.6	+			0	0	+	0.4	1.7	0.6	0.3	+
17	+	+			0	0	1.0	0.6	0.6	1.0	0.3	0.8
18	6.0	+			0	0	0.4	+	0.6	0.6	0.6	0.4
19	+	8.3			0	0	0.6	0.6	2.7	0.6	+	0.4
20		34		+	0	0.3	+	0.8	0.6	0.4		0.4
21	0.4	0.5		81	0	0.4		0.6	0.6	0.6		0.6
22	0.3	+		150	0	54		0.4	0.8	0.6		0.8
23	+			0.6	0	3.4	+	0.6	0.6	0.6		0.6
24				+	0	0.4	0	1.4	1.3	0.6	+	0.4
25					0	+	+	1.3	e 0.4	0.8	0.3	0.6
26					0	0	+	1.0	+	0.8	0.3	0.4
27					0	0.7	0	1.1	0.4	0.6	0.3	0.6
28	+			+	0	+	8.3	2.0	0.4	0.6	0.4	0.4
29	0.3			0	0.6	+	+	0.8	0.4	0.6	0.4	0.4
30	+	+		0		+	+	2.0	0.3	0.6	0.4	0.4
31	+		+	0		14.0		0.4		1.4	0.8	
	25.2	87.6	0.5	231.6	0.6	87.3	34.3	18.6	32.7	19.5	12.7	12.1
MEAN	0.81	2.92	0.01	7.45	0.02	2.81	1.14	0.60	1.09	0.63	0.40	0.40
ACRE-FEET	50.	174.	1.0	459.	1.2	173.	68.	37.	65.	39.	25.	24.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.54
ACRE-FEET 1120.

76D74M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F305-R

Daily discharge, in second-feet of PACOIMA DIVERSION at Branford Street, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0.3	+	0	+	+	62	0.4	0.6	0.3	0.4	0.4
2	+	+	0	0	0.2	+	9.6	0.4	0.4	0.3	0.8	0.6
3	0.3	+	+	+	0	+	7.0	0.4	0.4	0.3	0.4	0.6
4	0.3	0		0	+	0.3	11.2	0.4	0.4	0.4	0.4	0.8
5	0.3	0		0	4.6	+	4.3	0.4	0.4	0.3	0.4	3.7
6	0.4	+	+	0.2	4.4	1.0	0.6	0.4	0.4	0.3	0.4	12.2
7	0.3	+	0	13.2	+	10.5	4.3	0.4	0.4	0.3	0.4	0.3
8	0.4	+	0	0	0	1.4	50	0.6	0.4	0.4	0.4	0.3
9	0.4	29	+	0	0	1.0	44	0.6	0.3	0.4	0.4	0.6
10	0.4	8.4	0.2	0	0	0.6	3.5	0.8	0.4	0.4	0.6	0.4
11	0.4	+	+	0	0	0.6	3.1	0.6	1.0	0.4	1.9	0.4
12	0.3	0.6	0	0	0	0.7	3.1	0.6	0.6	0.3	0.4	0.3
13	0.3	0	+	+	0	4.4	5.8	0.4	0.4	0.4	0.4	0.3
14	0.4	0		0	0.3	7.1	1.7	0.3	0.3	0.3	1.2	0.3
15	0.6	0		0	+	10.2	1.4	0.3	0.4	0.4	0.6	0.4
16	0.3	0		0	0.7	0.3	1.0	0.6	0.6	0.4	0.6	1.0
17	0.4	9.8	+	0	0.6	0.6	1.0	0.3	0.6	0.4	0.6	0.6
18	0.4	+	0.6	0	0.4	0.3	0.9	0.3	0.6	0.4	0.6	9.6
19	0.3	+	16.9	1.0	0.4	0.3	0.8	0.3	0.4	0.4	0.6	25
20	0.3	0	34	0	0.3	0.3	0.8	0.3	0.3	0.4	0.6	0.6
21	+	0	3.5	0	0.5	0.3	0.8	0.3	0.3	0.4	0.6	0.4
22	0.4	0	+	0	0.4	+	0.6	0.4	0.3	0.6	0.6	0.4
23	0.3	0	0	+	1.4	+	0.6	0.4	0.4	0.6	0.6	0.4
24	0.3	0	0	7.5	+	+	0.6	1.3	0.4	0.6	0.8	0.3
25	0.3	+	+	+		0.4	0.4	0.3	0.8	0.8	0.6	0.4
26	0.4	0	4.9	+		0.4	0.4	0.3	0.3	0.6	0.6	0.4
27	4.6	+	20	+		0.4	0.4	0.3	0.4	1.0	0.6	0.3
28	1.2	0	4.6	0	+	0.4	0.3	0.3	0.4	0.8	0.6	0.4
29	11.8	+	0	+		0.4	0.4	0.4	0.4	1.0	0.6	+
30	0	+	1.8	+		0.8	0.4	0.4	0.4	3.9	0.6	0.3
31	+		0	0.4		22		0.4		0.4	0.6	
	25.8	48.1	86.5	22.3	14.2	64.7	220.9	13.6	13.4	17.9	18.9	61.7
MEAN	0.83	1.60	2.79	0.72	0.51	2.09	7.36	0.44	0.45	0.58	0.61	2.05
ACRE-FEET	51.	95.	172.	44.	28.	128.	438.	27.	27.	36.	37.	122.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.67
ACRE-FEET 1,210.

STATION F15–R
PACOIMA WASH at Van Nuys Boulevard

LOCATION: LAT. 34°12'22", LONG. 118°26'53", ON THE RIGHT (SOUTH) BANK OF THE CHANNEL, 60 FEET ABOVE VAN NUYS BOULEVARD BRIDGE AT UPSTREAM END OF TRANSITION TO CONCRETE–LINED CHANNEL, 1½ MILES NORTH OF VAN NUYS. ELEVATION OF ZERO GAGE HEIGHT 754.12 FEET.

DRAINAGE AREA: INDETERMINATE, SUBJECT TO OPERATIONS AT PROJECT 85.

CHANNEL AND CONTROL: SAND BOTTOM WITH PIPE AND WIRE SIDES, 30 FEET WIDE AND 10 FEET DEEP. WEIR IN TRANSITION TO CONCRETE–LINED CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOW MEASURED BY WADING. HIGH FLOWS MEASURED FROM FOOTBRIDGE ON UPSTREAM SIDE OF VAN NUYS BOULEVARD BRIDGE.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW PARTIALLY REGULATED BY PACOIMA SPREADING GROUNDS AND PROJECT 85 DIVERSION STRUCTURE.

DIVERSIONS: FLOW FROM PACOIMA WASH CAN BE DIVERTED TO PROJECT 85 AT RAYMER STREET.

RECORDS AVAILABLE: OCTOBER 14, 1952 TO SEPTEMBER 30, 1965. RECORDS FOR STATION F16–R, PACOIMA WASH AT PARTHENIA STREET, AVAILABLE FROM DECEMBER 26, 1928 TO SEPTEMBER 9, 1952.

EXTREMES OF DISCHARGE:

1963–64
- MAXIMUM: 49 SECOND–FEET NOVEMBER 20.
- MINIMUM: NO FLOW MOST OF YEAR.

1964–65
- MAXIMUM: 232 SECOND–FEET APRIL 8.
- MINIMUM: NO FLOW MOST OF YEAR.

1952–65
- MAXIMUM: 785 SECOND–FEET NOVEMBER 15, 1952. (PRIOR TO PACOIMA DIVERSION, 1953–54)
- MAXIMUM: 576 SECOND–FEET JANUARY 6, 1959, AFTER COMPLETION OF PACOIMA DIVERSION.
- MINIMUM: NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

REMARKS: PACOIMA WASH DIVERSION CHANNEL DIVERTS ALL OF PACOIMA WASH FLOW ABOVE SHARP STREET, EXCEPT THAT WHICH IS SPREAD IN PACOIMA SPREADING GROUNDS, TO TUJUNGA WASH. DIVERSION WAS COMPLETED PRIOR TO OCTOBER 1953. PROJECT 85 DIVERTS STORM FLOWS TO CAPACITY OF THE DOWNSTREAM CHANNEL TO TUJUNGA WASH. DIVERSION WAS COMPLETED PRIOR TO APRIL 1960.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F15–R

Daily discharge, in second-feet of PACOIMA WASH at Van Nuys Boulevard, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	3.2	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	2.8	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	1.5	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	0.3	0	0	0	0	0	0	0	0	0	0	0
19	0	2.0	0	0	0	0	0	0	0	0	0	0
20	0	8.4	0	0	0	0	0	0	0	0	0	0
21	0	0	0	3.8	0	0	0	0	0	0	0	0
22	0	0	0	4.8	0	3.8	0	0	0	0	0	0
23	0	0	0	0	0	0.7	0	0	0	0	0	0
24	0	0	0	0	0		0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		2.5		0		0	0	
	0.3	14.7	0	8.6	0	7.0	3.2	0	0	0	0	0
MEAN	0.01	0.49	0	0.28	0	0.23	0.11	0	0	0	0	0
ACRE-FEET	0.6	29.	0	17.	0	14.	6.4	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.09
ACRE-FEET 67.0

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LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F15-R

Daily discharge, in second-feet of PACOIMA WASH at Van Nuys Boulevard, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	6.3	0	0	0	0	0
2	0	0	0	0	0	0	1.8	0	0	0	0	0
3	0	0	0	0	0	0	1.9	0	0	0	0	0
4	0	0	0	0	0	0	2.1	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	21	0	0	0	0	0
9	0	1.0	0	0	0	0	6.7	0	0	0	0	0
10	0	1.6	0	0	0	0	0.2	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	0.5	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0.2	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	1.5	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	+	0	0	0	0	0	0	0	0	1.0
20	0	0	1.0	0	0	0	0	0	0	0	0	0
21	0	0	0.3	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	0.5	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	1.5	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		3.9		0		0	0	
	0	4.1	2.8	0.5	0	4.1	40.5	0	0	0	0	1.0
MEAN	0	0.14	0.09	0.02	0	0.13	1.35	0	0	0	0	0.03
ACRE-FEET	0	8.2	5.6	1.0	0	8.1	80.	0	0	0	0	2.0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.15
ACRE-FEET 105.

STATION F122-R
PALLETT CREEK at Valyermo Highway

LOCATION: LAT. 34°27'38", LONG. 117°51'53", ON THE LEFT (WEST) BANK AT THE UPSTREAM SIDE OF THE VALYERMO HIGHWAY BRIDGE, 1.3 MILES NORTHWEST OF VALYERMO RANGER STATION, AND FIVE MILES SOUTHEAST OF PEARBLOSSOM. ELEVATION OF ZERO GAGE HEIGHT APPROXIMATELY 3535 FEET.

DRAINAGE AREA: 18.3 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL – SAND AND GRAVEL; NO ARTIFICIAL CONTROL FOR LOW FLOWS. BRIDGE CULVERT FORMS PARTIAL CONTROL FOR EXTREMELY HIGH FLOWS.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 31, 1963 TO SEPTEMBER 30, 1965.

REGULATION AND DIVERSIONS: NONE.

RECORDS AVAILABLE: OCTOBER 31, 1961 TO SEPTEMBER 30, 1965. FOR PREVIOUS MEASUREMENTS SEE STAFF GAGE STATION F122-S.

EXTREMES OF DISCHARGE:
1963-64
NO FLOW ENTIRE YEAR.
1964-65
MAXIMUM: 16 SECOND-FEET AUGUST 12.
MINIMUM: NO FLOW MOST OF YEAR.
1961-65
MAXIMUM: 259 SECOND-FEET FEBRUARY 11, 1962.
MINIMUM: NO FLOW PART OF EACH YEAR.

ACCURACY: FAIR.

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

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LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F122-R

Daily discharge, in second-feet of PALLETT CREEK at Valyermo Highway, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0.3	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	0	0	0	0	0	0	0	0	0	0.3	0
MEAN	0	0	0	0	0	0	0	0	0	0	0.01	0
ACRE-FEET	0	0	0	0	0	0	0	0	0	0	0.6	0

Remarks:

YEAR OR PERIOD MEAN +
ACRE-FEET 0.6

STATION F40-R
PUDDINGSTONE CREEK below Puddingstone Dam

LOCATION: LAT. 34°05'33", LONG. 117°48'38", ON THE RIGHT (EAST) BANK ABOUT 1000 FEET BELOW PUDDINGSTONE DAM NEAR SAN DIMAS. ELEVATION OF ZERO GAGE HEIGHT 824.80 FEET.

DRAINAGE AREA: 32.3 SQUARE MILES, INCLUDING AREAS CONTROLLED BY SEVERAL DAMS IN THE MOUNTAIN TRIBUTARIES.

CHANNEL AND CONTROL: CHANNEL - SAND, GRAVEL AND PUDDINGSTONE.
CONTROL - REINFORCED CONCRETE CIPOLLETTI WEIR WITH A 25-FOOT CREST AND 3-FOOT DEPTH, AND A CIPOLLETTI WEIR NOTCH IN CENTER WITH A 24-INCH CREST AND 18-INCH DEPTH.

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

RECORDER: CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW REGULATED BY PUDDINGSTONE DAM.

DIVERSIONS AND OR REGULATIONS: SAN DIMAS CREEK, WHICH IS REGULATED BY SAN DIMAS DAM AND PUDDINGSTONE DIVERSION DAM, CAN BE DIVERTED TO PUDDINGSTONE RESERVOIR AT PUDDINGSTONE DIVERSION DAM. METROPOLITAN WATER DISTRICT AQUEDUCT OCCASIONALLY SPILLS FLOW INTO PUDDINGSTONE DIVERSION CHANNEL AND RELEASES IMPORTED WATER INTO LIVE OAK WASH BELOW SEVENTH STREET, LA VERNE, WHICH IS MEASURED BY STATION F311-R. SAN DIMAS WATER COMPANY DIVERTS OUTFLOW FROM DAM ABOVE THE STATION.

RECORDS AVAILABLE: DECEMBER 28, 1927 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 8.3 SECOND-FEET FEBRUARY 19.
MINIMUM: PLUS FLOW AT VARIOUS TIMES.
1964-65
MAXIMUM: 310 SECOND-FEET SEPTEMBER 20.
MINIMUM: PLUS FLOW VARIOUS TIMES OF YEAR.
1929-65
MAXIMUM: 414 SECOND-FEET APRIL 26, 1957.
MINIMUM: NO FLOW AUGUST 1951.

ACCURACY: GOOD.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F40-R

Daily discharge, in second-feet of PUDDINGSTONE CREEK below Puddingstone Dam, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.02	0.2	0.02	0.02	0.02	0.02	0.04	e +	0.02	0.01	0.02	0.01
2	0.02	0.2	0.02	0.02	0.03	0.02	0.03	+	0.02	0.01	0.02	0.01
3	0.02	0.2	0.02	0.02	0.03	0.02	0.03	0.01	0.01	0.01	0.02	0.01
4	0.02	0.2	0.02	0.02	0.03	0.02	0.03	0.01	0.01	0.01	0.02	0.01
5	0.02	0.2	0.02	0.02	0.03	0.02	0.03	0.01	0.01	0.01	0.02	0.01
6	0.02	0.2	0.02	0.02	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.01
7	0.02	0.2	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.01	0.01	0.01
8	0.02	0.2	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
9	0.02	0.2	0.02	0.02	0.02	0.02	0.02	0.02	0.04	0.01	0.01	0.01
10	0.02	0.2	0.02	0.02	0.02	0.02	0.02	0.01	0.03	0.01	0.01	0.01
11	0.02	0.2	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.01	0.01	0.01
12	0.02	0.2	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
13	0.02	0.2	0.02	0.02	0.02	0.02	0.02	e 0.02	0.02	0.01	0.01	0.01
14	0.03	0.2	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
15	0.03	0.2	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.01	0.01	0.01
16	0.03	0.2	0.02	0.02	0.02	0.02	0.02	0.02	0.04	0.01	0.01	0.01
17	0.03	0.2	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.01	0.01	0.01
18	0.03	0.1	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.01	0.01	0.01
19	0.03	0.06	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
20	0.03	0.2	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
21	0.03	0.06	0.02	0.06	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
22	0.03	0.05	0.02	0.1	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
23	0.03	0.04	0.02	0.03	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
24	0.02	0.04	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.02
25	0.02	0.04	0.01	0.02	0.02	0.02	0.02	0.02	+	0.01	0.01	0.02
26	0.02	0.04	0.01	0.02	0.02	0.02	e 0.01	0.02	0.01	0.01	0.01	0.02
27	0.02	0.04	0.01	0.02	0.02	0.02	+	0.02	0.01	0.02	0.01	0.02
28	0.03	0.04	0.01	0.02	0.02	0.02	e 0.02	0.02	0.01	0.02	0.01	0.02
29	0.03	0.04	0.01	0.02	0.02	0.02	e 0.01	0.02	0.01	0.02	0.01	0.02
30	0.04	0.03	0.01	0.02		0.02	e 0.02	0.02	0.01	0.02	0.01	0.02
31	0.04		0.01	0.02		0.02		0.02		0.02	0.01	
	0.78	4.18	0.54	0.75	0.64	0.62	0.62	0.53	0.55	0.36	0.36	0.37
MEAN	0.03	0.14	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
ACRE-FEET	1.5	8.3	1.1	1.5	1.3	1.2	1.2	1.0	1.1	0.7	0.7	0.7

Remarks: + = 0.05 CFS OR LESS

YEAR MEAN 0.03
OR PERIOD ACRE-FEET 20.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F40-R

Daily discharge, in second-feet of PUDDINGSTONE CREEK below Puddingstone Dam, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.02	0.02	0.05	0.05	0.03	0.03	0.03	e 0.03	e 0.05	e 0.03	e 0.02	+
2	0.02	0.02	0.05	0.05	0.03	0.03	0.03	0.03	0.05	0.03	0.02	
3	0.02	0.02	0.05	0.05	0.03	0.03	0.03	0.03	0.05	0.03	0.02	
4	0.02	0.02	0.05	0.05	0.03	0.03	b 0.03	0.03	0.05	0.03	0.02	
5	0.02	0.02	0.05	0.05	0.03	0.03	0.03	0.03	0.05	0.03	0.02	
6	0.02	0.02	0.05	0.05	0.03	0.03	0.03	0.03	0.04	0.03	0.02	+
7	0.02	0.02	0.05	0.06	0.03	0.03	0.02	0.03	0.04	0.03	0.02	13.2
8	0.02	0.02	0.05	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.3
9	0.02	0.02	0.05	0.05	0.03	0.03	3.5	0.03	0.03	0.03	0.02	0.3
10	0.02	0.02	0.05	0.05	0.03	0.03	0.4	0.03	0.03	0.03	0.02	0.3
11	0.02	0.02	0.05	0.05	0.03	0.03	0.1	0.03	0.03	0.03	0.02	0.3
12	0.02	0.02	0.05	0.06	0.03	0.03	0.1	0.03	0.03	0.03	0.03	0.3
13	0.02	0.02	0.05	0.05	0.03	a 0.03	0.1	0.03	0.04	0.02	0.03	0.3
14	0.02	0.02	0.05	0.05	0.03	0.03	0.03	0.03	0.04	0.02	0.03	0.3
15	0.02	0.02	0.05	0.05	0.03	0.03	0.03	0.03	0.05	0.02	0.03	168.5
16	0.02	0.02	0.05	0.05	0.03	0.03	e 0.03	0.03	0.05	0.02	0.03	305.4
17	0.02	0.03	0.05	0.05	0.03	0.03	0.03	0.03	0.05	0.02	0.03	309.3
18	0.02	0.02	0.05	0.05	0.03	0.03	0.03	0.03	0.05	0.02	0.03	190.7
19	0.02	0.2	0.05	0.05	0.03	0.03	0.02	0.03	0.05	0.02	0.03	4.9
20	0.02	0.05	0.05	0.05	0.03	0.03	0.02	0.03	0.04	0.02	0.03	301.6
21	0.02	0.05	0.05	0.05	0.03	0.03	0.02	0.03	0.04	0.02	0.03	298.5
22	0.02	0.05	0.05	0.05	0.03	0.03	0.02	0.03	0.04	0.02	0.03	295.4
23	0.02	0.05	0.05	0.05	0.03	0.03	0.02	0.04	0.03	0.02	0.03	287.7
24	0.02	0.05	0.05	0.06	0.03	0.03	0.02	0.04	0.03	0.02	0.03	282.2
25	0.02	0.05	0.05	0.05	0.03	a 0.03	0.02	0.05	0.03	0.02	0.03	265.9
26	0.02	0.05	0.05	0.05	0.03	0.03	0.03	0.05	0.03	0.02	0.03	237.0
27	0.02	0.05	0.05	0.05	0.03	0.03	0.03	0.05	0.03	0.02	0.03	229.8
28	0.02	0.05	0.05	0.05	0.03	0.03	0.03	0.05	0.03	0.02	0.03	223.0
29	0.02	0.05	0.05	0.05		0.03	0.03	0.05	0.03	0.02	0.03	239.8
30	0.02	0.05	0.05	0.03		0.03	e 0.03	0.05	e 0.03	0.02	0.03	76.5
31	0.02		0.05	0.03		0.03		e 0.05		e 0.02	e 0.03	
	0.62	1.12	1.55	1.54	0.84	0.93	4.87	1.09	1.17	0.74	0.82	3731.5
MEAN	0.02	0.04	0.05	0.05	0.03	0.03	0.16	0.04	0.04	0.02	0.03	124.6
ACRE-FEET	1.2	2.2	3.1	3.1	1.7	1.8	9.7	2.2	2.3	1.5	1.6	7,400.

Remarks: + = 0.05 CFS OR LESS

YEAR MEAN 10.3
ON PERIOD ACRE-FEET 7,430.

STATION F192B–R
RIO HONDO at Lower Azusa Road

LOCATION: LAT. 34°05'30", LONG. 118°01'53", ON THE RIGHT (WEST) BANK ABOUT 300 FEET DOWNSTREAM FROM LOWER AZUSA ROAD AND ABOUT 1.5 MILES NORTH OF EL MONTE. ELEVATION OF ZERO GAGE HEIGHT, 278.73 FEET. FORMER STATION F192–R WAS ON THE LOWER AZUSA ROAD BRIDGE.

DRAINAGE AREA: 40.9 SQUARE MILES. (EXCLUDES DRAINAGE ABOVE SANTA FE DAM.)

CHANNEL AND CONTROL: CHANNEL – TRAPEZOIDAL CONCRETE, 14 FEET DEEP, 80 FEET BOTTOM WIDTH AND 143 FEET TOP WIDTH. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM CABLE CAR BELOW THE STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW PARTIALLY REGULATED BY SIERRA MADRE DAM, BIG SANTA ANITA DAM, SAWPIT DAM, SPILLWAY AND DIVERSION AT SANTA FE DAM, PECK ROAD PIT, BUENA VISTA PIT AND SEVERAL DEBRIS BASINS.

DIVERSIONS: THE CITY OF MONROVIA DIVERTS WATER FROM MONROVIA CREEK AND SAWPIT CREEK. THE CITY OF SIERRA MADRE DIVERTS WATER FROM LITTLE SANTA ANITA CANYON. FLOW FROM SAN GABRIEL RIVER BELOW SANTA FE DAM IS OCCASIONALLY DIVERTED TO RIO HONDO. THERE ARE ALSO SEVERAL DIVERSIONS FOR IRRIGATION AND SPREADING GROUNDS.

RECORDS AVAILABLE: FEBRUARY 22, 1932 TO MARCH 29, 1932 – STREAM MEASUREMENTS ONLY. AT STATION F192–R RECORDER RECORDS FROM MARCH 29, 1932 TO MAY 7, 1958 AND FROM DECEMBER 18, 1958 TO SEPTEMBER 30, 1965. (FOR RECORDS PRIOR TO MARCH 29, 1932, SEE STATE DIVISION OF WATER RIGHTS BULLETIN.)

EXTREMES OF DISCHARGE:

1963–64
- MAXIMUM: 296 SECOND–FEET JANUARY 21.
- MINIMUM: NO FLOW AT VARIOUS TIMES.

1964–65
- MAXIMUM: 397 SECOND–FEET APRIL 9.
- MINIMUM: NO FLOW AT VARIOUS TIMES.

1932–65
- MAXIMUM: 31,000 SECOND–FEET ESTIMATED MARCH 2, 1938.
- MINIMUM: NO FLOW MOST OF YEAR FOR SEVERAL YEARS.

ACCURACY: FAIR.

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

74D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F192B–R

Daily discharge, in second-feet of RIO HONDO at Lower Azusa Road, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0	+	+	+	+	7.8	0	+	+	+	+
2	+	0	+	0	+	1.2	+	+				+
3	0	+	+	0	0	0	+					0
4	+	+	0	+	0	0	0					+
5		0	0	+	0	+	0					+
6		3.4	0	0	0	+	0	+				+
7	+	+	+	0	0	0	+	0				0
8	0	0	0	0	+	0		+	+			0
9	0	0	0	0		+			1.3			+
10	+	0	0	0		+			+			
11	0	0	0	+	+	+			0			
12	+	+	0	+	0	2.0			+			
13		+	+	0	0	+						
14		0	+	0	0	+						
15	+	4.0	0	0	0	0						
16	3.8	+	+	0	0	0			+			
17	1.1	+	+	0	+	0			0			
18	0.1	+	0	+		0			+			+
19	+	3.1	0	+		+			0.2			0
20	+	22	0	+	+	+	+		+	+		0
21	0	+	+	13.7	0	+	0			0.1		+
22	0	+	+	12.4	+	13.0	0			0		
23	0	+	0	+	+	4.0	+			0		
24	0	0	+	+	+	0.1				0		
25	0	+	0	+	0.1	+				0		
26	0	0	0	0	+			+		+		
27	+	0	0	0	0		+	0				
28	+	0	+	0	0		0.1	0				
29	+	0	+	0	+		+	+				+
30	0	0	0	0		+	+	+	+			0
31	0		+	0		1.6		+		+	+	
	5.0	32.5	+	26.1	0.1	21.9	7.9	+	1.5	0.1	+	+
MEAN	0.16	1.08	+	0.84	+	0.71	0.28	+	0.05	+	+	+
ACRE-FEET	9.9	64.	+	52.	0.2	43.	15.	+	3.0	0.2	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.26
ACRE-FEET 187.

76D14M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F192B-R

Daily discharge, in second-feet of RIO HONDO at Lower Azusa Road for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	+	+	32	+	+	+	+	0
2	0	0	0	+	+		4.1	+	0			+
3	+	0	0	0	0		5.6	0.1	+			
4		+	0	+	0		0.4	+	0			
5		0	0	0	0.3		+		+			+
6		0	+	+	1.7	+	0				+	0.6
7	+	0	+	2.2	+	8.0	+				0.1	+
8	e 0.1	0	0	0	0	+	22		+		+	+
9	+	4.6	0	0	0	0	31		0		+	0
10		5.1	0	0	0	+	+		0		+	0
11		+	+	0	0	+		+	+		0.2	0
12	+	0.6		0	0	0.4		0.2			0.3	0
13	0	+		0	0	3.4		+			+	0
14	0	0		0	0	0.4						+
15	+	0	+	0	0	1.9			+			+
16		0	0	+	0	+	+		0			0
17		6.5	+	+	0	0	0		0			0.3
18		+	+	+	+	0	+		0			14.0
19		0	+	0		0	0		+			2.6
20		0	3.9	0		0	0					+
21	+	0	+	0		+	+	+				0
22	0	0	+	0	+	+		0				0
23	0	0	+	+	0	0		+				0
24	+	0.2	0	2.1	0	0		+				+
25	0	+	0	0	0	0		0	+			+
26	0	0	0.3	0	0	0		+	0			
27	+	+	8.0	+	+	0		+	+			+
28	+		0.3	0	+	0		+				0
29	1.0		0	0		0		0				+
30	0	+	0	+		0	+	+	+			+
31	+		0	+		6.7		0		+	+	
	1.1	17.0	12.5	4.3	2.0	20.8	95.1	0.3	+	+	0.6	17.5
MEAN	0.04	0.57	0.40	0.14	0.07	0.67	3.07	0.01	+	+	0.02	0.58
ACRE-FEET	2.2	34.	25.	8.5	4.0	41.	189.	0.6	+	+	1.2	35.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.47
ACRE-FEET 340.

STATION E326-R

RIO HONDO below Garvey Avenue

LOCATION: LAT. 34°03'30", LONG. 118°04'15", ON RIGHT (WEST) BANK 0.3 MILE BELOW GARVEY AVENUE, 0.4 MILE BELOW RUBIO WASH AND 2.2 MILES WEST OF EL MONTE ELEVATION OF GAGE ABOUT 220 FEET.

DRAINAGE AREA: 91.2 SQUARE MILES (EXCLUDES DRAINAGE ABOVE SANTA FE DAM).

RECORDS AVAILABLE: FEBRUARY 1956 TO SEPTEMBER 1965.

AVERAGE DISCHARGE: 9 YEARS, 19.9 SECOND-FEET.

EXTREMES OF DISCHARGE:

1963-64
MAXIMUM: 4400 SECOND-FEET JANUARY 21. (GAGE HEIGHT 3.65 FEET)
MINIMUM: 0.2 SECOND-FEET ON SEVERAL DAYS.

1964-65
MAXIMUM: 5600 SECOND-FEET APRIL 9. (GAGE HEIGHT 4.05 FEET)
MINIMUM: 0.2 SECOND-FOOT MAY 9.

1956-65
MAXIMUM: 8150 SECOND-FEET JANUARY 6, 1959.
MINIMUM: NO FLOW AT VARIOUS TIMES.

REMARKS: RECORDS GOOD. PARTIALLY REGULATED BY BIG SANTA ANITA, SAWPIT, AND EATON DAMS, AND SEVERAL DEBRIS BASINS, MANY DIVERSIONS FOR DOMESTIC AND IRRIGATION USE. FLOW FROM SAN GABRIEL RIVER BELOW SANTA FE DAM IS OCCASIONALLY DIVERTED TO RIO HONDO.

COOPERATION: RECORDS FURNISHED BY UNITED STATES GEOLOGICAL SURVEY. FLOW MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

78D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E326-R

Daily discharge, in second-feet of RIO HONDO below Garvey Avenue, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.3	1.2	0.4	0.7	0.6	0.6	326	2.3	0.9	1.4	2.4	2.1
2	2.6	1.0	0.8	1.2	0.6	22	2.1	1.0	1.4	1.4	1.3	2.1
3	2.1	1.0	1.3	0.8	0.6	0.9	1.0	0.4	1.2	0.7	2.1	1.9
4	3.2	0.8	0.8	0.7	0.6	0.7	0.7	3.4	1.3	0.4	2.1	1.9
5	2.1	0.7	0.9	0.5	0.6	0.9	1.6	2.1	1.3	0.4	2.1	1.0
6	2.1	113	0.9	0.6	0.6	1.2	0.7	4.6	0.6	0.9	2.3	0.7
7	2.1	1.2	0.7	0.7	0.5	2.1	0.9	1.8	0.5	1.3	1.9	0.8
8	2.1	0.7	0.5	0.6	0.4	0.4	1.3	2.3	4.4	1.4	2.1	1.9
9	2.3	0.7	0.8	0.6	0.4	0.8	1.3	1.2	14	1.6	2.3	1.9
10	2.4	0.7	0.9	0.6	0.8	1.0	1.6	0.5	0.9	1.4	2.1	2.3
11	2.4	0.9	0.4	1.9	0.8	1.2	0.8	1.8	0.7	1.6	1.9	1.9
12	1.8	1.2	0.7	0.4	0.4	33	0.6	1.9	0.8	0.8	1.9	1.9
13	0.9	1.2	0.4	0.4	0.8	3.2	1.2	1.9	0.7	1.2	2.1	1.2
14	1.4	0.9	0.4	0.4	1.6	0.6	1.2	2.1	0.2	1.6	1.9	2.1
15	2.3	117	0.4	0.4	1.8	0.2	1.2	1.3	0.7	2.1	1.9	2.1
16	123	1.2	0.5	0.4	0.8	0.4	1.3	0.8	1.0	1.9	0.9	2.1
17	10	0.6	0.6	0.4	0.8	1.3	1.3	0.5	0.8	1.9	1.6	2.3
18	64	1.0	0.6	3.3	1.6	0.8	1.3	0.9	0.8	1.6	1.6	2.3
19	1.0	72	0.8	0.5	1.4	0.8	7.5	1.0	0.9	1.4	1.4	2.1
20	1.0	545	0.8	0.4	1.4	0.8	0.9	1.0	0.6	2.1	1.8	2.1
21	1.0	3.5	0.8	524	0.8	0.5	0.9	1.0	0.6	2.4	1.8	2.1
22	1.2	1.0	0.7	319	0.7	272	1.9	1.2	0.7	2.3	1.8	2.1
23	1.6	0.7	1.3	2.0	0.5	56	1.3	0.7	1.2	2.4	0.8	2.1
24	1.8	0.7	0.7	0.9	1.0	8.9	1.3	0.6	1.4	2.4	1.6	2.1
25	1.8	0.9	0.7	0.7	1.2	2.3	1.2	1.3	1.2	2.4	1.9	2.1
26	1.9	1.0	1.2	0.6	0.9	0.7	0.4	1.6	1.2	1.6	1.8	2.1
27	2.1	1.2	0.8	0.6	0.9	0.9	1.3	1.3	0.6	1.6	1.8	1.0
28	1.6	1.2	0.9	0.7	1.2	0.8	7.0	1.2	0.2	1.9	1.6	1.3
29	2.1	0.8	1.2	0.7	1.2	0.6	4.7	0.8	0.7	3.0	1.6	1.8
30	2.1	0.9	1.2	0.8		0.9	3.1	0.5	1.0	2.4	1.0	1.9
31	1.8		1.3	0.7		44		0.5		2.3	2.4	
	250.1	873.9	24.4	866.2	25.5	460.5	377.6	43.5	42.5	51.8	55.8	53.2
MEAN	2.28	29.1	0.79	27.9	0.88	14.9	12.6	1.40	1.42	1.67	1.80	1.84
ACRE-FEET	496.	1,730.	48.	1,720.	51.	913.	749.	86.	84.	103.	111.	110.

Remarks:

YEAR OR PERIOD MEAN 8.54
ACRE-FEET 6,200.

78D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E326-R

Daily discharge, in second-feet of RIO HONDO below Garvey Avenue, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.6	1.6	2.8	0.5	1.0	0.5	390	1.4	2.8	2.3	1.1	2.5
2	1.9	1.2	2.6	0.6	1.0	4.0	62	1.4	2.6	2.3	2.1	2.5
3	1.6	1.9	1.8	0.6	1.0	6.0	76	12	4.1	1.2	2.5	2.5
4	2.1	1.8	2.1	0.5	3.6	4.9	11	1.3	2.7	1.0	2.7	2.5
5	1.6	2.1	1.9	0.6	15	1.3	3.8	0.9	2.1	1.7	2.5	4.5
6	1.3	1.3	1.9	0.6	69	1.3	3.0	0.8	1.6	2.7	2.5	27
7	0.9	0.9	2.1	116	1.0	102	11	1.8	1.9	2.3	2.3	2.1
8	1.4	0.8	1.9	0.8	1.0	1.6	468	0.6	1.0	2.3	1.2	1.7
9	1.8	109	2.3	0.6	1.0	1.3	616	0.2	0.8	2.3	2.1	1.2
10	0.8	98	2.3	0.6	1.0	1.3	7.6	1.0	1.0	2.9	1.9	2.5
11	0.6	2.1	2.3	0.6	0.9	3.6	4.0	1.2	1.1	1.4	5.5	2.5
12	0.6	5.1	2.1	0.6	0.9	3.9	7.1	1.9	2.1	2.9	58	0.7
13	0.8	2.3	1.6	0.9	0.9	68	4.6	1.2	0.8	2.3	1.7	2.5
14	0.7	2.3	1.6	0.5	0.8	3.0	2.6	1.3	1.1	1.9	2.1	2.9
15	1.0	2.3	1.6	0.6	0.8	51	2.8	1.4	1.4	1.9	2.1	2.9
16	1.2	2.4	1.0	0.8	0.8	2.3	2.6	1.4	1.0	1.9	2.5	3.8
17	0.8	112	0.9	0.6	0.7	2.3	2.3	1.8	1.1	1.9	3.1	11
18	0.6	1.9	1.5	0.9	0.7	0.9	2.4	1.6	1.2	1.1	3.0	266
19	1.4	1.8	10	0.9	0.7	0.8	3.2	1.3	2.4	2.3	3.7	36
20	1.3	1.3	83	0.7	0.6	0.7	2.8	1.6	1.0	2.3	3.8	1.3
21	3.4	1.3	3.6	0.7	0.6	0.6	2.4	1.8	1.7	2.1	5.2	1.2
22	3.4	1.3	0.8	0.8	0.6	1.2	2.4	1.6	1.6	1.9	1.6	1.6
23	2.3	1.8	0.8	0.7	0.5	1.2	2.4	0.6	0.8	1.7	4.4	1.7
24	3.6	2.3	0.8	48	0.5	1.2	1.6	2.5	1.4	1.7	5.1	1.9
25	2.1	2.6	0.8	1.0	0.5	0.8	1.6	0.7	2.1	0.7	4.6	1.7
26	3.3	2.1	0.8	1.0	0.5	1.0	2.1	1.8	0.8	1.7	4.1	1.0
27	7.9	2.1	117	1.0	0.5	0.8	3.2	1.8	0.4	2.1	3.1	2.5
28	6.6	1.9	9.8	1.0	0.5	0.7	3.2	2.3	1.1	2.2	3.6	1.9
29	24	1.9	0.8	1.0		1.3	2.1	1.2	1.4	2.3	2.7	1.7
30	1.4	2.3	0.8	1.0		1.9	1.3	0.5	1.1	5.3	3.4	1.7
31	1.2		0.6	1.0		111		1.4		1.7	2.9	
	83.2	371.7	263.9	185.8	106.6	382.4	1705.1	52.3	46.2	64.3	147.1	395.5
MEAN	2.68	12.4	8.51	5.99	3.81	12.3	56.8	1.69	1.54	2.07	4.75	13.2
ACRE-FEET	165.	737.	523.	369.	211.	758.	3,380.	104.	92.	128.	292.	784.

Remarks:

YEAR OR PERIOD MEAN 10.4
ACRE-FEET 7,540.

STATION F64–R

RIO HONDO above Mission Bridge

LOCATION: LAT. 34°01'59", LONG. 118°04' 22", ON THE RIGHT (WEST) BANK APPROXIMATELY 1000 FEET ABOVE MISSION BRIDGE (SAN GABRIEL BOULEVARD) AND TWO MILES NORTH-EAST OF MONTEBELLO. ELEVATION OF ZERO GAGE HEIGHT, 190.77 FEET.

DRAINAGE AREA: 115 SQUARE MILES (EXCLUDES DRAINAGE ABOVE SANTA FE DAM).

CHANNEL AND CONTROL: CHANNEL – SAND AND SILT. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 7 FEET ABOVE STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW PARTIALLY REGULATED BY SIERRA MADRE DAM, BIG SANTA ANITA DAM, SAWPIT DAM, EATON DAM, SANTA FE DAM, SEVERAL DEBRIS BASINS AND SPREADING AREAS, AND RELEASE FROM METROPOLITAN WATER DISTRICT'S MIDDLE FEEDER TO ALHAMBRA WASH.

DIVERSIONS: THE CITY OF PASADENA DIVERTS WATER FROM EATON CREEK. THE CITY OF MONROVIA DIVERTS WATER FROM SAWPIT CREEK AND MONROVIA CREEK. THE CITY OF SIERRA MADRE DIVERTS WATER FROM LITTLE SANTA ANITA CANYON. FLOW FROM SAN GABRIEL RIVER IS OCCASIONALLY DIVERTED TO RIO HONDO. THERE ARE ALSO SEVERAL DIVERSIONS FOR IRRIGATION AND SPREADING GROUNDS.

RECORDS AVAILABLE: JULY 1928 TO SEPTEMBER 30, 1965. (FOR RECORDS PRIOR TO JULY 1928 SEE STATE DIVISION OF WATER RIGHTS BULLETINS.) (RECORDS FROM MARCH 6, 1938 TO MARCH 15, 1938 ARE FROM STATION F64B–R.)

EXTREMES OF DISCHARGE:

1963–64
MAXIMUM: 6200 SECOND–FEET JANUARY 21.
MINIMUM: NO FLOW AT VARIOUS TIMES, AUGUST AND SEPTEMBER.

1964–65
MAXIMUM: 6590 SECOND–FEET APRIL 9.
MINIMUM NO FLOW OCTOBER 2 – 14.

1928–65
MAXIMUM: 28,000 SECOND–FEET ESTIMATED MARCH 2, 1938.
MINIMUM: 0.4 SECOND–FOOT JULY 30, 1961.

ACCURACY: FAIR.

REMARKS: WATER PURCHASED FROM METROPOLITAN WATER DISTRICT PASSES THIS LOCATION FOR SPREADING IN THE COASTAL BASIN. DURING 1963–64 THESE IMPORTATIONS TOTALED 43,480 ACRE–FEET AND IN 1964–65 33,520 ACRE–FEET.

OPERATION: OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

7HD74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F64–R

Daily discharge, in second-feet of RIO HONDO above Mission Bridge, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.6	2.1	110	147	190	159	400	3.3	105	1.8	1.8	1.8
2	3.6	2.6	124	143	171	202	57	2.4	1.8	1.8	0.3	3.0
3	3.2	2.6	137	139	133	154	187	1.8	1.8	1.8	0.6	0.3
4	3.6	2.6	141	139	58	173	190	3.2	2.4	0.6	1.8	0.3
5	1.6	2.1	143	139	89	196	201	4.4	1.8	0.6	1.8	0.4
6	1.6	186	143	139	88	219	205	5.7	1.2	0.6	2.4	0
7	19	5.8	143	153	88	221	207	3.6	0.3	1.5	1.5	0
8	2.6	1.6	141	157	a 88	214	205	3.3	8.3	1.8	2.1	0
9	2.1	1.0	141	151	| 87	210	190	3.3	34	1.8	1.2	0
10	2.1	0.5	143	145	87	214	205	2.4	2.4	1.8	1.5	0.1
11	2.1	1.0	135	159	86	233	214	3.0	1.5	1.8	1.5	0.2
12	2.1	4.7	139	161	a 86	298	219	3.9	2.7	0.6	1.2	0.2
13	1.0	4.2	141	157	85	230	219	3.3	2.7	0.6	1.2	0
14	b 0.6	5.2	147	151	86	102	212	3.6	0.9	1.2	1.8	0
15	2.1	172	145	139	88	b 2.5	205	3.0	0.9	1.8	2.1	0
16	281	4.7	139	137	87	2.7	205	2.4	2.1	2.1	0.6	0
17	123	0.5	155	145	88	3.0	223	2.7	2.1	2.1	0.3	0
18	234	1.0	170	88	92	b 3.1	223	2.1	2.1	2.4	0.9	0
19	112	68	168	b 7.0	96	3.0	238	2.7	2.1	+	0.9	0
20	105	794	161	4.7	96	2.7	214	2.7	1.8	0.9	0.9	0
21	109	91	155	686	96	2.4	212	2.1	1.5	2.1	1.2	0
22	105	132	161	464	96	472	101	2.4	1.5	2.4	0.9	0
23	107	70	168	9.1	104	164	4.9	2.1	2.7	2.4	0.6	0
24	100	74	168	7.2	124	21	3.9	1.5	3.0	2.4	0.3	0
25	83	93	168	5.5	167	5.2	3.9	1.8	2.4	2.4	0.3	0
26	81	94	168	4.6	140	2.4	3.3	2.1	2.1	1.5	1.2	0
27	90	112	168	92	132	123	4.2	94	1.8	1.2	1.2	0
28	31	112	168	210	142	226	10	207	0.6	1.5	1.2	0
29	1.6	112	168	214	143	226	6.8	210	0.9	2.1	1.2	0
30	2.1	109	168	214		226	3.3	203	1.5	1.8	0.3	0
31	2.6		157	216		294		205		2.1	+	
	1618.2	2261.2	4683	4723.1	3112	4604.0	4572.3	993.8	195.9	49.5	34.8	6.3
MEAN	52.2	75.4	151.	152.	107.	149.	152.	32.1	6.53	1.60	1.12	0.21
ACRE-FEET	3210.	4490.	9290.	9370.	6170.	9130.	9070.	1970.	389.	98.	69.	12.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 73.4
ACRE-FEET 53,270.

78D74M Gb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F64-R

Daily discharge, in second-feet of RIO HONDO above Mission Bridge, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	34	183	190	142	80	671	144	203	69	1.0	1.5
2	0	35	183	192	8.3	66	215	175	200	56	1.0	1.3
3	0	67	183	158	2.1	68	208	192	200	56	1.3	1.5
4	0	83	183	150	3.3	103	111	173	126	56	1.3	1.5
5	0	110	183	190	64	145	7.3	164	b 4.3	68	1.1	2.5
6	0	97	183	192	185	170	5.3	166	b 3.5	69	0.8	54
7	0	92	96	316	116	330	20	179	3.1	60	1.0	1.0
8	0	91	2.1	217	139	206	788	188	2.8	61	0.1	0.1
9	0	357	1.5	185	131	175	925	177	2.8	61	0.5	+
10	0	240	1.2	183	128	183	35	162	3.4	60	1.3	+
11	0	5.2	1.2	183	124	164	b 10	158	3.4	59	3.6	0.1
12	0	70	87	181	126	230	17	160	3.8	58	b 42	+
13	0	142	179	181	126	413	8.5	173	2.8	56	3.0	+
14	0	161	154	181	126	238	5.3	198	1.8	58	2.5	+
15	11	169	135	185	126	307	78	200	2.1	37	2.5	0.1
16	38	163	152	187	126	195	193	179	2.6	2.8	2.0	0.5
17	52	346	161	190	126	147	196	175	1.8	2.1	2.0	20
18	50	36	116	192	126	88	198	171	19	b 1.9	b 2.0	170
19	27	116	42	196	126	128	79	171	46	b 1.7	2.0	60
20	1.2	150	223	192	124	201	77	171	45	1.5	2.1	75
21	1.2	159	49	194	124	201	150	171	45	1.8	2.4	179
22		165	a 170	124	124	207	150	171	47	2.1	1.5	171
23	23	167	a 196	182	108	207	148	184	47	2.4	2.1	184
24	53	169	196	326	95	207	146	200	48	2.0	2.8	177
25	66	171	196	184	92	203	144	203	49	1.3	3.4	177
26	66	173	198	173	92	203	144	200	47	1.6	2.6	166
27	60	173	388	173	92	203	142	205	46	2.0	2.0	160
28	65	175	94	173	92	201	142	203	45	1.6	2.1	162
29	64	177	205	171		201	142	200	56	1.6	1.5	166
30	20	177	185	171		69	140	203	71	3.7	1.8	162
31	58		187	159		254		205		1.1	1.6	
	668.4	4,270.2	4,513.0	5,871	2,993.7	5,793	5,295.4	5,621	1,378.2	915.2	96.9	2,093.1
MEAN	21.6	142.	146.	189.	107.	187.	176.	181.	45.9	29.5	3.12	69.8
ACRE-FEET	1,330.	8,470.	8,950.	11,640.	5,940.	11,490.	10,500	11,150.	2,730.	1,820.	192.	4,150.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 108.
ACRE-FEET 78,300.

STATION F313-R
RIO HONDO BY-PASS CHANNEL
above Whittier Narrows Dam

LOCATION: LAT. 34°01'49", LONG. 118°02'53", ON THE LEFT (SOUTH) BANK OF THE CHANNEL, 400 FEET BELOW DIVERSION HEADWORKS.

CHANNEL AND CONTROL: CHANNEL -- SOIL, SAND AND CLAY, ARTIFICIAL CONTROLS BELOW STATION.

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

RECORDER: A WEEKLY RECORDER WAS IN SERVICE DURING PERIODS OF OPERATION.

REGULATION: FLOW REGULATED AT HEADWORKS INSTALLED TO DIVERT A PORTION OF ZONE 1 WATER FROM SAN GABRIEL RIVER TO RIO HONDO.

ACCURACY: GOOD.

REMARKS: USED ONLY FOR ZONE 1 PURCHASED WATER DIVERTED TO RIO HONDO SPREADING GROUNDS. NO DIVERSION WAS MADE DURING THE PERIOD OF THIS REPORT.

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

STATION F45B–R

RIO HONDO above Stewart and Gray Road

LOCATION: LAT. 33°56'48", LONG. 118°09'43", ON THE LEFT (EAST) BANK OF THE CHANNEL, 0.6 MILE UPSTREAM FROM JUNCTION OF RIO HONDO AND LOS ANGELES RIVER AND ABOUT 1.5 MILES WEST OF DOWNEY. ELEVATION OF ZERO GAGE HEIGHT, 91.4 FEET.

DRAINAGE AREA: 140 SQUARE MILES. (EXCLUDES DRAINAGE ABOVE SANTA FE DAM.)

CHANNEL AND CONTROL: CHANNEL – CONCRETE, 100 FEET WIDE WITH 2.25:1 RIP-RAPPED SLOPES. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING NEAR GAGE. HIGH FLOWS MEASURED FROM CABLE CAR 15 FEET ABOVE STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW IS SUBJECT TO SAME REGULATIONS AS STATION F64–R PLUS WHITTIER NARROWS DAM AND RIO HONDO SPREADING GROUNDS.

DIVERSIONS: THE CITY OF PASADENA DIVERTS WATER FROM EATON CREEK. THE CITY OF MONROVIA DIVERTS WATER FROM MONROVIA CREEK AND SAWPIT CREEK. THE CITY OF SIERRA MADRE DIVERTS WATER FROM LITTLE SANTA ANITA CANYON. THERE ARE ALSO SEVERAL DIVERSIONS FOR IRRIGATION AND SPREADING. FLOW FROM SAN GABRIEL RIVER BELOW SANTA FE DAM IS OCCASIONALLY DIVERTED TO RIO HONDO AND FROM SAN GABRIEL RIVER ABOVE WHITTIER NARROWS DAM.

RECORDS AVAILABLE: MARCH 1928 TO APRIL 18, 1951, AND FROM OCTOBER 31, 1951 TO SEPTEMBER 30, 1965. (FOR RECORDS PRIOR TO MARCH, 1928, SEE STATE DIVISION OF WATER RIGHTS BULLETINS.)

EXTREMES OF DISCHARGE:

1963–64
- MAXIMUM: 2060 SECOND–FEET JANUARY 22.
- MINIMUM: NO FLOW AT VARIOUS TIMES.

1964–65
- MAXIMUM: 8780 SECOND–FEET APRIL 9.
- MINIMUM: NO FLOW AT VARIOUS TIMES.

1929–65
- MAXIMUM: 24,000 SECOND–FEET ESTIMATED MARCH 2, 1938.
- MINIMUM: NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F45B–R

Daily discharge, in second-feet of RIO HONDO above Stewart and Gray Road for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	0	0	0	+	56	+	0.1	+	0.4	0
2		+	0	0	+	6.6	0.1		0.1	0.2	0.3	+
3		0	0	0		0.1	+		0.3	0.3	0.1	
4		0	0	0		0.1	0.1	+	0.3	0.3	0.1	
5		0	0	0		+	0.1	0	1.3	0.3	+	
6		36	0	0		+	+	0	0.4	0.2	+	
7		+	0	0		0.4		+	+	0.2	+	
8		+	0	0		0.5			+	0.5	0.2	
9		0	0	0		+	+		39	0.1	0.3	
10		+	0	0		+	0.1		2.0	0.1	0.1	
11		+	0	0	+	0	+	0	0.6	0.2	+	
12		0	0	0	0	3.1		+	0.6	0.4		
13		0	0	0	+	2.1		+	0.2	0.3		
14	+	0	0	0		+		+	0.5	0.1		
15	0.1	32	0	0			+	0	0.4	0.4	+	
16	23	0.1	0	0			0	+	0.3	0.5	0.1	+
17	0.1	0	0	0			0		0.4	0.5	+	0
18	39	0	0	4.5			+		0.3	0.4		+
19	0.1	24	0	+			0.4		0.3	0.3		
20	+	190	0	+		+	+		0.5	0.3		
21		2.5	0	136		0			1.3	0.4		
22		0	0	110		109			0.6	0.4		
23	+	0	0	0.1	+	23	+		0.2	0.4		
24	0	0	0	0	0	2.0	0		0.2	0.2		+
25	+	0	0	0	+	+	+		0.2	0.2		0
26	+	0	0	0	0		+	+	0.2	0.2		0
27	+	0	0	0	0		+	0	0.3	0.2		+
28	0	0	+	0	+		0.4	+	0.5	+		+
29	+	+	0	+	+		0.2	+	0.2	+		0
30	0	0	0	+		+	+	+	0.2	0.1		+
31	0		0	+		8.5		0.1		0.2	+	
	62.3	284.6	+	250.6	+	155.4	57.4	0.1	51.5	7.9	1.6	+
MEAN	2.01	9.40	+	8.08	+	5.01	1.91	+	1.72	0.26	0.05	+
ACRE-FEET	124.	564.	+	497.	+	308.	114.	0.2	102.	16.	3.2	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.38
ACRE-FEET 1730.

FEDTAM Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F45B-R

Daily discharge, in second-feet of RIO HONDO above Stewart and Gray Road, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.2	+	+	0.1	+	176	0.3	0.2	+	0.2	+
2	0	+	+		+		76	0.3	0.2		0.1	+
3	+	0	0		+		59	0.3	0.2		+	+
4		+	0		+		43	0.2	0.1			0.1
5			0		0.2		1.6	0.2	+			0.2
6			0	+	10.8	+	0.2	0.2	0.1			6.8
7			0	22	0.2	0.2	0.3	+	0.2			0.2
8		+	0	+	+	0.2	272	0.1	0.2			+
9		30	0			+	1,130	0.2	+			+
10		47	0			+	261	0.1	+		+	0.1
11	+	+	0			9.3	0.2	0.2	+		0.3	0.2
12	+	1.5	+			6.2	1.8	0.3	0.1		8.7	0.1
13	0	+	+			44	1.6	0.2	0.2		0.2	0.2
14	0	0	0			0.2	+	0.2	0.2		0.2	0.3
15	0	0	+			25		0.3	0.1	+	0.2	+
16	0	0	+			0.2		0.3	+	0.2	0.2	+
17	+	88	0			+	+	0.2	+	0.3	+	+
18	+	+	+			0.1	0.3	0.3	+	0.2		49
19	0	0	14.1			+	+	+	0.2	0.2		1.8
20	+	0	54		+		0.1		0.2	+		+
21	+	0	1.8		0.2		0.2		+			+
22	+	0	0.2		0.2		0.2					+
23	0	0	0.2	+	+		+			+		0.1
24	0	0	0.3	28	+		+			0.2		0.2
25	0	0	+	+	+		0.1	+		0.3		0.2
26	+	+	+		+		+	0.1		0.2		0.2
27	+		68		0.1		0.2	+		0.3		0.1
28	0.8		10.1		0.2	+	0.2	+		0.2		0.1
29	10.7		+			0.1	0.2	+		0.2		+
30	+	+	+			+	0.3	0.2	+	0.2		+
31	+		+	+		96		0.2		0.2	+	
	11.5	166.7	148.7	50	12.0	181.5	2,024.5	4.4	2.2	2.7	10.1	59.9
MEAN	0.37	5.55	4.80	1.61	0.50	5.85	67.5	1.42	0.07	0.09	0.33	2.00
ACRE-FEET	23.	330.	295.	99.	24.	360.	4,020.	8.7	4.4	5.4	20.	119.

Remarks: + = .05 CFS OR LESS

YEAR OR PERIOD MEAN 7.33
ACRE-FEET 5,310.

STATION F338-R
RUBIO DIVERSION CHANNEL
below Gooseberry Canyon Inlet

LOCATION: LAT. 34°11'32", LONG. 118°07'04", ON THE LEFT (NORTHERLY) BANK, 375 FEET UPSTREAM OF CREST DRIVE, THREE AND ONE HALF MILES NORTHEAST OF PASADENA. ELEVATION OF ZERO GAGE HEIGHT 1399.0 FEET.

DRAINAGE AREA: 2.1 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE 12 FEET WIDE AND 11 FEET DEEP. BOTTOM IS WARPED 0.3 FOOT TOWARD STATION.
CONTROL - CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM STEEL FOOTBRIDGE 27 FEET ABOVE STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM DECEMBER 16, 1963 TO SEPTEMBER 30, 1965.

REGULATION AND/OR DIVERSIONS: FLOW PARTIALLY REGULATED BY RUBIO AND GOOSEBERRY DEBRIS BASINS. RUBIO CANYON LAND AND WATER ASSOCIATION DIVERTS LOW FLOWS IN RUBIO CANYON.

RECORDS AVAILABLE: DECEMBER 16, 1959 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 7.9 SECOND-FEET JANUARY 21.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1964-65
MAXIMUM: 21 SECOND-FEET NOVEMBER 9.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1959-65
MAXIMUM: 32 SECOND-FEET FEBRUARY 10, 1963.
MINIMUM: NO FLOW AT VARIOUS TIMES EACH YEAR.

ACCURACY: GOOD.

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

7ED74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F338-R

Daily discharge, in second-feet of RUBIO DIVERSION CHANNEL below Gooseberry Canyon Inlet, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0	0	+	0	+	0.8	0	0	0	0	0
2	+	+	0		0		+	0	0	0	0	0
3	0	+	0		0		0	0	+	+	0	0
4	+	+	0		0	+	+	0.1	0		0	0
5	+	0	0		0	0	+	+	0		0	+
6	0	0.4	0		+	0	0	0.1	+		0	0
7	+	+	+		0	+	0	0	0		0	0
8		0			+	+	0	0	0.2		0	0
9		+			0	0.3	0.4	0	0.1		0	0
10	+	0			0	0.1	0.5	+	+	+	0	0
11	0	0			+	0	0.2	+	0	0	0	0
12	0	0			+	0.1	0	0	0	0	0	0
13	+	0			+	+	0	+	0	0	0	0
14	+	+			0	0	0	+	+	0	0	0
15	0	0.3			0	0	0	0		0	0	0
16	0.3	+			0	+	+	0		0	0	+
17	+	0			+		0	0	+	0	0	
18	0.1	0			0	+	+	0	0	+	0	
19	+	0.1		+	a 0	+	0.1	+	0	0	0	
20	+	0.4		0.1	0	0	0	+	0	0	+	+
21		+		0.7	0	0	0	0	0	0	0	0
22		0	+	0.5	0	0.3	0	0	0	0	+	0
23		0	0	+	0	0.3	+	0	+	0	0	0
24	+	0	0		0	0.1	0	0		0	0	+
25	0	+	0		0	+	+	+		0	+	+
26	0	0	0		0	0	0	0	+	0	+	0
27	0	+	+		a 0	+	0	+	0	0	+	0
28	0	0			a 0	0	0.1	0	0	0	0	0
29	+	0				0	+	0	0	0	0	+
30	0	+				0	+	0	0	0	0	+
31	+		+	+		0.5	+	+		0	0	
	0.4	1.2	+	1.3	+	1.7	2.1	0.2	0.3	+	+	+
MEAN	0.01	0.04	+	0.04	+	0.05	0.07	0.01	0.01	+	+	+
ACRE-FEET	0.8	2.4	+	2.6	+	3.4	4.2	0.4	0.6	+	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.02
ACRE-FEET 14.

7ED74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F338-R

Daily discharge, in second-feet of RUBIO DIVERSION CHANNEL below Gooseberry Canyon Inlet, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.01	0.01	0	0	0	0	1.1	0	0	0	0	0
2	0.01	0	0	0	0	0	0.9	0	0	0	0	0
3	0.01	0	0	+	0	0	1.1	+	0	0	0	0
4	0.01	0	0	0	0	0	0.9	+	+	0	0	0
5	0.01	0	0	0	0.2	+	0.2	0.1	0	0	0	+
6	0.01	0	0	0.1	0.5	0	0.1	0.1	0	0	0	0.3
7	0.01	0	0	0.3	+	+	0.3	+	0	0	0	0
8	0.01	0.01	0	0	0	0	0.9	0	+	0	0	0
9	0.01	1.0	0	0	+	0	1.1	0	0	0	0	0
10	0.01	0.2	0	0		0	1.1	+	+	0	0	0
11	0.01	0.01	+	0		+	0.3	+	0	0	+	+
12	0.01	0.02	0	0	+	+	0.1	0	0	0	+	+
13	0.01	0.01	0	0	0	0.1	0.1	0	0	+	0	0
14	0.01	0.01	0	0	0	0.1	+	+	0	+	0	0
15	0.01	0.01	0	0	0	0.2	+	+	+	+	0	0
16	0.01	0.05	0	+	+	0	0		+	0	0	+
17	0.01	0.6	0	0	0	0	0		0	0	0	0.2
18	0.01	0.02	+	0	+	0	0		+	0	+	0.1
19	0.01	0.04	+	0	0	0	0		0	0	+	0.1
20	0.01	0.01	0.5	0	0	0	0	+	0	0	0	0
21	0.01	0	+	0	0	0	+	0	0	0	+	0
22	0.01	0.01	0	0	0	0	+	0	0	+	+	0
23	0.01	0	0	0	0	0	+	0	0	0	0	+
24	0.01	0.01	0	0.3	0	0	0	+	0	0	+	0
25	0.01	0	0	0	+	0	0	+	0	0	0	0
26	0.01	0	+	0	0	0	0	0	0	0	+	0
27	0.02	0	0.5	0	+	0	0	0	0	0	0	0
28	0.02	0.01	+	0	0	0	0	0	0	+	+	0
29	0.2	0.01	0	0		0	+	0	0	0	+	0
30	0	0.01	0	0		0	0	+	0	+	+	0
31	0		0	0		0.7		+		0	0	
	0.50	2.05	1.0	0.7	0.7	1.1	8.2	0.2	+	+	+	0.7
MEAN	0.02	0.07	0.03	0.02	0.03	0.04	0.27	0.01	+	+	+	0.02
ACRE-FEET	1.0	4.1	2.0	1.4	1.4	2.2	16.	0.4	+	+	+	1.4

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.04
ACRE-FEET 30.

STATION F82C–R
RUBIO WASH at Glendon Way

LOCATION: LAT. 34°04'27", LONG. 118°04'39", ON THE LEFT (EAST) SIDE OF CHANNEL, 10 FEET SOUTH OF THE WESTERLY EXTENSION OF GLENDON WAY, ROSEMEAD. ELEVATION OF ZERO GAGE HEIGHT, 274.06 FEET.

DRAINAGE AREA: 10.9 SQUARE MILES. (CORRECTED)

CHANNEL AND CONTROL: CHANNEL – RECTANGULAR CONCRETE 48.1 FEET WIDE × 10.5 FEET DEEP TO BOTTOM OF 0.5 FOOT INVERT WITH 0.5-FOOT FILLETS AT VERTICAL SIDE WALLS.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW PARTIALLY REGULATED BY LAS FLORES AND RUBIO DEBRIS BASINS.

DIVERSIONS: NONE.

RECORDS AVAILABLE: AT STATION F82–R, LAS TUNAS DRIVE, JANUARY 13, 1930 TO SEPTEMBER 30, 1930; AT STATIONS F107–R AND F82B–R, BROADWAY, OCTOBER 1, 1930 TO NOVEMBER 6, 1936; AT STATION F82C–R, NOVEMBER 6, 1936 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:

1963–64
- MAXIMUM: 1570 SECOND–FEET JANUARY 21.
- MINIMUM: 0.2 SECOND–FOOT AT VARIOUS TIMES.

1964–65
- MAXIMUM: 2045 SECOND–FEET APRIL 9.
- MINIMUM: 0.1 SECOND–FOOT AT VARIOUS TIMES.

1930–65 (STATIONS F82–R, F82B–R, F82C–R).
- MAXIMUM: 3020 SECOND–FEET JANUARY 16, 1952.
- MINIMUM: NO FLOW AT TIMES.

ACCURACY: GOOD.

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

74DT4M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F82C–R

Daily discharge, in second-feet of RUBIO WASH at Glendon Way, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.2	0.2	0.2	0.2	0.4	83	0.2	1.0	0.6	0.4	0.2
2	0.4	0.2	0.2	0.2	0.2	12.0	1.0	0.4	1.0	0.6	0.6	0.4
3	0.4	0.2	0.2	0.2	0.2	0.4	0.6	0.4	1.0	0.4	0.6	0.4
4	0.6	0.2	0.2	0.2	0.2	0.4	0.4	1.4	1.0	0.4	0.6	0.4
5	0.4	0.2	0.2	0.2	0.2	0.4	0.6	0.6	1.4	0.4	1.0	0.4
6	0.4	35	0.2	0.2	0.2	0.4	0.4	1.0	1.0	0.4	1.0	0.4
7	0.4	0.4	0.2	0.2	0.4	0.2	0.4	0.6	1.0	0.4	1.0	0.4
8	0.4	0.2	0.2	0.2	0.4	0.2	0.4	0.6	1.4	0.4	1.0	0.4
9	0.4	0.2	0.2	0.2	0.4	0.4	0.4	0.4	11.1	0.4	1.0	0.4
10	0.6	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.6	0.4	1.0	0.4
11	0.6	0.2	0.2	1.4	0.4	0.6	0.4	0.4	0.6	0.4	1.0	0.4
12	0.6	0.2	0.2	0.6	0.4	13.1	0.4	0.4	0.6	0.6	1.0	0.4
13	0.6	0.2	0.2	0.4	0.4	1.0	0.6	0.6	0.6	0.4	1.0	0.2
14	0.6	0.2	0.2	0.4	1.0	0.6	0.6	0.6	0.6	0.4	0.6	0.2
15	0.6	29	0.2	0.4	1.4	0.4	0.6	0.6	0.4	1.0	0.6	0.2
16	51	0.4	0.2	0.4	0.6	0.4	0.6	0.6	0.6	1.0	0.6	0.2
17	4.8	0.2	0.2	0.6	0.6	0.4	0.6	0.6	0.4	1.0	0.6	0.2
18	27	0.4	0.2	1.0	0.6	0.6	0.6	0.6	0.6	1.0	0.6	0.2
19	0.4	32	0.2	0.2	0.6	0.6	2.5	0.6	0.6	1.0	0.6	0.2
20	0.2	111	0.2	0.2	0.6	0.6	0.6	0.6	0.4	1.0	0.6	0.2
21	0.2	1.4	0.4	136	0.4	0.6	0.6	0.6	0.4	1.0	0.6	0.2
22	0.2	0.4	0.2	71	0.4	87	0.6	0.6	0.6	1.0	0.6	0.2
23	0.2	0.2	0.2	0.4	0.2	36	0.6	0.6	0.6	1.0	0.4	0.2
24	0.2	0.2	0.2	0.2	0.4	11.3	0.6	0.6	0.6	0.4	0.4	0.4
25	0.2	0.2	0.2	0.2	0.4	1.4	0.6	0.6	0.4	0.2	0.4	0.4
26	0.2	0.2	0.2	0.2	0.4	0.4	0.6	0.6	0.4	0.2	0.4	0.4
27	0.2	0.2	0.2	0.2	0.4	0.2	0.6	0.6	0.4	0.2	0.4	0.4
28	0.2	0.2	0.2	0.2	0.4	0.2	1.4	1.0	0.2	0.4	0.2	0.2
29	0.2	0.2	0.2	0.2	0.6	0.2	0.6	1.0	0.4	0.6	0.2	0.2
30	0.2	0.2	0.2	0.4		0.2	0.4	1.0	0.4	0.6	0.2	0.2
31	0.2		0.2	0.2		32		1.0		0.6	0.2	
	93.0	214.2	6.4	216.8	13.0	203.0	101.7	19.8	30.3	18.4	19.4	9.0
MEAN	3.00	7.14	0.21	6.99	0.45	6.55	3.39	0.64	1.01	0.59	0.62	0.30
ACRE-FEET	184.	425.	13.	430.	26.	402.	202.	39.	60.	36.	38.	18.

Remarks:

YEAR OR PERIOD MEAN 2.59
ACRE-FEET 1,870.

74D74M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F82C-R

Daily discharge, in second-feet of RUBIO WASH at Glendon Way, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	b 0.2	0.4	0.1	0.2	0.2	94	0.2	0.4	0.4	0.4	0.4
2	0.2	0.3	0.6	0.1	0.4	0.2	28	0.4	0.4	0.4	0.4	0.2
3	0.2	0.3	0.2	0.1	0.2	0.2	29	2.2	0.6	0.4	0.6	0.2
4	0.2	0.3	0.2	0.2	1.0	0.2	25	0.2	0.4	0.2	0.4	0.2
5	0.2	b 0.3	0.2	0.2	10.4	0.2	1.8	0.2	0.4	0.2	0.4	1.9
6	0.2	a 0.3	0.2	0.2	19.7	0.2	0.4	0.2	0.2	0.2	0.4	18.5
7	0.2	0.3	0.2	22	0.6	18.5	7.9	0.2	0.4	0.4	0.4	0.2
8	0.2	0.3	0.2	0.2	0.4	0.2	106	0.2	0.4	0.4	0.4	0.2
9	0.4	a 36	0.2	0.2	0.4	0.2	164	0.2	0.2	0.6	0.4	0.2
10	0.4	28	0.2	0.2	0.2	0.2	1.9	0.2	0.2	0.6	0.4	0.2
11	0.2	1.0	0.2	0.2	0.2	2.7	0.4	0.2	0.2	0.6	0.6	0.2
12	0.2	1.4	0.4	0.2	0.2	5.4	1.0	0.2	0.4	1.0	5.4	0.2
13	0.2	0.2	0.2	0.2	0.2	19.4	0.6	0.2	0.4	0.6	0.4	0.2
14	0.2	0.2	0.2	0.2	0.2	2.6	0.2	0.2	0.4	0.6	0.4	0.2
15	0.2	0.2	0.2	0.2	0.2	11.5	0.2	0.2	0.4	0.6	0.4	0.2
16	0.2	0.2	0.6	0.2	0.2	1.0	0.2	0.2	0.4	0.6	0.4	0.4
17	0.2	31	0.6	0.2	0.2	1.4	0.2	0.2	0.4	0.6	0.4	7.5
18	0.2	0.4	0.6	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.4	41
19	0.1	0.6	7.3	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.4	16.7
20	b 0.1	0.2	35	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.4	0.4
21	0.2	0.2	1.9	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.4	0.2
22	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.4	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.2
24	0.2	0.2	0.2	a 20	0.2	0.2	0.2	0.8	0.4	0.4	0.4	0.4
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.4	0.4	0.4
26	0.2	0.2	1.7	a 0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.2
27	0.2	0.2	45	a 0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.2
28	0.2	0.2	3.6	a 0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.4	0.2
29	7.5	0.4	0.4	0.2		0.2	0.2	0.2	0.4	0.4	0.4	0.2
30	0.2	0.2	0.4	0.2		0.2	0.2	0.2	0.4	0.6	0.4	0.2
31	b 0.2		0.2	0.2		42		0.2		0.4	0.4	
	13.7	103.9	102.1	47.5	37.1	108.9	463.4	9.0	11.6	15.4	17.8	91.6
MEAN	0.44	3.46	3.29	1.53	1.32	3.51	15.4	0.29	0.39	0.50	0.57	3.05
ACRE-FEET	27.	206.	203.	94.	74.	216.	919.	18.	23.	30.	35.	182.

Remarks:

YEAR OR PERIOD MEAN 2.80
ACRE-FEET 2,030.

STATION U15-R
SAN ANTONIO CREEK
below Edison Co. Power Plant Diversion

LOCATION: LAT. 34°12'58", LONG. 117°40'04", ON RIGHT BANK, 0.5 MILE UPSTREAM FROM SOUTHERN CALIFORNIA EDISON COMPANY'S SIERRA POWER PLANT AND 6.8 MILES NORTHEAST OF CLAREMONT. ALTITUDE OF GAGE ABOUT 3400 FEET.

DRAINAGE AREA: 16.5 SQUARE MILES. (REVISED)

RECORDS AVAILABLE: MARCH 1901 TO SEPTEMBER 1965.

AVERAGE DISCHARGE: 48 YEARS (1917–65), 8.34 SECOND-FEET, AVERAGE COMBINED DISCHARGE OF CREEK AND CONDUIT; 64 YEARS (1901–65), 21.1 SECOND-FEET.

EXTREMES OF DISCHARGE:
1963–64
MAXIMUM: 9.5 SECOND-FEET JANUARY 21, GAGE HEIGHT 1.58 FEET.
MINIMUM: DAILY 0.1 SECOND-FOOT AUGUST 18 TO 26.
1964–65
MAXIMUM: 36 SECOND-FEET APRIL 30, GAGE HEIGHT 1.98 FEET.
MINIMUM: NO FLOW ON SEVERAL DAYS.
1917–65
MAXIMUM: 21,400 SECOND-FEET MARCH 2, 1938. (REVISED BY HYDROLOGIC STUDIES.)
MINIMUM: NO FLOW AT TIMES IN 1931, 1951 AND 1964.

REMARKS: RECORDS GOOD. SOUTHERN CALIFORNIA EDISON COMPANY'S CONDUIT DIVERTS WATER ABOVE STATION AND COMBINED FLOW IS PUBLISHED HEREWITH.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY. 52 DISCHARGE MEASUREMENTS FURNISHED BY LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

76D74M Cdb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U15-R

Daily discharge, in second-feet of SAN ANTONIO CREEK below Edison Company Power Plant Diversion, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.4	0.4	0.4	0.5	0.4	2.9	0.6	0.4	0.2	0.2	0.2
2	0.3	0.4	0.4	0.4	0.5	0.4	3.0	0.5	0.4	0.2	0.2	0.2
3	0.3	0.4	0.4	0.4	0.5	0.4	2.1	0.6	0.4	0.2	0.2	0.2
4	0.3	0.4	0.4	0.4	0.4	0.4	1.6	0.6	0.4	0.2	0.2	0.2
5	0.3	0.4	0.4	0.3	0.4	0.4	1.3	0.6	0.3	0.3	0.2	0.2
6	0.3	0.6	0.4	0.3	0.4	0.4	1.2	1.2	0.3	0.3	0.2	0.2
7	0.3	0.5	0.4	0.3	0.5	0.4	1.1	1.1	0.3	0.2	0.2	0.2
8	0.3	0.4	0.4	0.3	0.5	0.4	1.0	0.9	0.4	0.2	0.2	0.2
9	0.3	0.4	0.4	0.4	0.5	0.4	1.0	0.8	0.4	0.2	0.2	0.2
10	0.3	0.4	0.4	0.4	0.5	0.4	1.0	0.8	0.4	0.2	0.2	0.1
11	0.3	0.4	0.4	0.4	0.5	0.4	0.9	0.7	0.4	0.2	0.2	0.1
12	0.3	0.4	0.3	0.4	0.4	0.4	0.8	0.7	0.4	0.2	0.2	0.1
13	0.3	0.4	0.3	0.4	0.4	0.4	0.8	0.6	0.4	0.2	0.2	0.1
14	0.3	0.4	0.3	0.4	0.4	0.4	0.8	0.6	0.4	0.2	0.2	0.2
15	0.3	0.7	0.3	0.4	0.4	0.4	0.8	0.6	0.4	0.2	0.2	0.2
16	0.3	0.8	0.3	0.4	0.4	0.4	0.8	0.6	0.4	0.2	0.2	0.2
17	0.4	0.7	0.3	0.4	0.4	0.4	0.8	0.6	0.4	0.3	0.2	0.2
18	0.4	0.7	0.3	0.4	0.4	0.4	0.8	0.6	0.4	0.3	0.1	0.2
19	0.4	0.6	0.3	0.4	0.4	0.4	0.8	0.6	0.4	0.3	0.1	0.2
20	0.4	1.4	0.3	0.4	0.4	0.4	0.8	0.6	0.4	0.3	0.1	0.2
21	0.4	1.1	0.3	2.1	0.4	0.4	0.8	0.6	0.4	0.3	0.1	0.2
22	0.4	1.0	0.3	2.3	0.4	0.6	0.7	0.6	0.4	0.3	0.1	0.2
23	0.4	0.9	0.3	0.9	0.4	0.6	0.7	0.6	0.3	0.3	0.1	0.2
24	0.4	0.9	0.3	0.7	0.4	0.6	0.7	0.6	0.3	0.3	0.1	0.2
25	0.4	0.6	0.3	0.6	0.4	0.7	0.6	0.6	0.3	0.3	0.1	0.2
26	0.4	0.6	0.3	0.6	0.4	0.8	0.6	0.6	0.3	0.3	0.1	0.2
27	0.4	0.5	0.3	0.6	0.4	0.8	0.6	0.6	0.3	0.3	0.2	0.2
28	0.4	0.5	0.4	0.6	0.4	0.8	0.6	0.6	0.2	0.3	0.2	0.2
29	0.4	0.4	0.4	0.6	0.4	0.8	0.7	0.5	0.2	0.2	0.2	0.2
30	0.4	0.4	0.4	0.6		0.9	0.6	0.5	0.2	0.2	0.2	0.2
31	0.4		0.4	0.6		1.0		0.4		0.2	0.2	
	10.3	17.7	10.8	17.8	12.4	15.9	30.9	20.2	10.6	7.6	5.3	5.6
MEAN	0.35	0.59	0.35	0.57	0.43	0.51	1.03	0.65	0.35	0.25	0.17	0.19
ACRE-FEET	21.	35.	21.	35.	25.	32.	61.	40.	21.	15.	11.	11.

Remarks:

YEAR OR PERIOD MEAN 0.45
ACRE-FEET 328.

76D74M Cdb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U15-R

Daily discharge, in second-feet of SAN ANTONIO CREEK below Edison Company Power Plant Diversion, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.3	0.3	0.7	0.3	0.3	2.2	12	1.2	0.7	0.4	0.3
2	0.2	0.3	0.3	0.6	0.3	0.3	2.7	17	1.2	0.6	0.4	0.3
3	0.2	0.2	0.3	0.6	0.3	0.2	2.3	20	1.2	0.6	0.4	0.3
4	0.2	0.2	0.3	0.5	0.3	0.3	1.9	21	1.3	0.5	0.4	0.3
5	0.2	0.2	0.3	0.5	0.3	0.3	1.7	17	1.2	0.5	0.4	0.3
6	0.2	0.2	0.3	0.5	0.4	0.2	1.6	13	1.0	0.5	0.3	0.3
7	0.2	0.2	0.3	0.7	0.3	0.3	1.5	11	1.0	0.5	0.3	0.3
8	0.2	0.2	0.3	0.6	0.3	0.2	2.4	9.2	1.0	0.5	0.3	0.3
9	0.2	0.3	0.3	0.7	0.3	0.2	4.4	7.2	1.0	0.5	0.3	0.3
10	0.2	0.3	0.3	0.6	0.3	0.2	4.1	5.7	1.0	0.5	0.3	0.3
11	0.2	0.3	0.3	0.5	0.3	0.2	3.0	5.4	0.9	0.5	0.3	0.3
12	0.2	0.3	0.3	0.4	0.3	0.2	2.3	5.3	0.8	0.6	0.4	0.3
13	0.2	0.3	0.3	0.4	0.3	0.3	1.8	4.7	0.8	0.5	0.4	0.3
14	0.2	0.2	0.3	0.4	0.3	0.3	1.6	3.5	0.8	0.5	0.4	0.3
15	0.3	0.3	0.3	0.4	0.3	0.2	1.9	4.1	0.8	0.5	0.4	0.3
16	0.3	0.3	0.3	0.4	0.3	0.2	2.3	3.1	0.9	0.5	0.3	0.3
17	0.3	0.3	0.3	0.4	0.3	0.2	3.0	2.6	0.8	0.9	0.4	0.4
18	0.3	0.3	0.3	0.3	0.3	0.2	3.7	2.5	0.8	0.9	0.4	0.4
19	0.3	0.3	0.3	0.3	0.3	0.2	3.8	2.3	0.8	0.5	0.4	0.4
20	0.2	0.3	0.3	0.3	0.3	0.3	3.9	2.3	0.8	0.5	0.3	0.4
21	0.2	0.3	0.4	0.3	0.3	0.3	3.9	2.2	0.8	0.5	0.4	0.3
22	0.2	0.3	0.4	0.3	0.3	0.3	3.6	2.5	0.8	0.5	0.4	0.3
23	0.2	0.3	0.4	0.3	0.3	0.3	3.4	2.2	0.8	0.4	0.3	0.3
24	0.3	0.3	0.4	0.3	0.3	0.3	3.2	1.9	0.8	0.4	0.3	0.3
25	0.3	0.3	0.4	0.3	0.3	0.3	3.4	1.6	0.8	0.4	0.3	0.3
26	0.3	0.3	0.4	0.3	0.3	0.3	3.8	1.5	0.8	0.4	0.3	0.3
27	0.3	0.3	0.6	0.3	0.3	0.3	3.9	1.4	0.8	0.4	0.3	0.3
28	0.3	0.3	0.7	0.3	0.3	0.3	5.0	1.3	0.7	0.4	0.3	0.3
29	0.3	0.3	0.9	0.3		0.3	11	1.2	0.7	0.4	0.3	0.3
30	0.3	0.3	0.8	0.3		0.3	17	1.2	0.7	0.4	0.3	0.3
31	0.3		0.8	0.3		0.4		1.1		0.4	0.3	
	7.5	8.3	12.2	13.1	9.5	8.2	110.3	187.0	27.0	15.7	10.7	9.4
MEAN	0.24	0.28	0.39	0.42	0.30	0.27	3.68	6.03	0.90	0.51	0.35	0.31
ACRE-FEET	15.	16.	24.	26.	17.	16.	219.	371.	54.	31.	21.	19.

Remarks:

YEAR OR PERIOD MEAN 1.14
ACRE-FEET 829.

7SD74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No._____

Daily discharge, in second-feet of SAN ANTONIO CREEK AND SOUTHERN CALIFORNIA EDISON CO'S CONDUIT, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.0	5.6	6.0	6.7	6.8	6.1	12	13	12	9.2	7.1	5.9
2	5.0	5.6	6.0	6.7	6.7	6.3	11	13	12	9.2	7.1	6.0
3	5.2	5.6	6.0	6.7	6.6	6.0	10	13	12	9.2	7.1	6.0
4	5.2	5.6	6.0	6.7	6.6	6.0	9.3	13	12	9.2	7.1	6.0
5	5.2	5.6	6.0	6.6	6.6	6.1	9.1	13	12	9.3	7.1	5.9
6	5.2	6.0	6.0	6.6	6.6	6.1	8.6	13	11	9.0	7.1	5.9
7	5.2	5.7	6.0	6.6	6.4	6.0	8.5	13	11	8.9	7.1	5.6
8	5.2	5.6	6.0	6.6	6.4	6.0	8.5	13	12	8.6	6.8	5.9
9	5.2	5.6	6.0	6.7	6.4	6.0	8.6	13	12	8.6	6.8	5.6
10	3.7	5.6	6.0	6.7	6.4	6.0	8.7	13	12	8.6	6.8	5.5
11	5.2	5.6	6.5	6.7	6.4	6.0	8.7	13	11	8.6	6.8	5.5
12	5.2	5.6	6.5	6.7	6.3	6.0	8.6	13	11	8.3	6.8	5.5
13	5.2	5.6	6.5	6.7	6.3	6.0	8.6	13	11	8.3	6.8	5.5
14	5.2	5.3	6.5	6.7	6.3	6.0	9.0	13	10	8.3	6.5	5.6
15	5.2	6.4	6.5	6.7	6.3	6.0	9.0	13	10	8.3	6.5	5.6
16	5.5	6.0	6.5	6.4	6.0	6.0	9.0	13	10	8.0	6.5	5.6
17	5.8	5.9	6.5	6.4	6.0	5.8	9.3	13	10	8.1	6.5	5.6
18	6.1	5.9	6.5	6.4	6.0	5.8	9.3	13	10	8.1	6.4	5.6
19	5.6	5.8	6.6	6.4	6.1	5.8	9.3	13	10	8.1	6.1	5.4
20	5.6	6.0	6.6	6.4	6.1	5.8	9.3	13	10	7.8	6.1	5.4
21	5.6	6.0	6.6	9.6	6.1	5.8	9.4	13	10	7.8	6.1	5.4
22	5.6	6.0	6.6	8.9	6.1	6.2	9.7	13	10	7.8	6.1	5.4
23	5.6	6.0	6.6	7.5	6.1	6.2	10	13	9.9	7.8	6.1	5.4
24	5.6	6.0	6.6	7.3	6.1	6.1	10	13	9.6	7.8	5.8	5.4
25	5.6	6.0	6.6	6.9	6.1	6.5	10	13	9.7	7.8	5.8	5.4
26	5.6	6.0	6.6	6.9	6.1	6.9	12	13	9.7	7.8	5.1	5.4
27	5.6	6.0	6.6	6.9	6.1	6.8	12	14	9.7	7.5	5.9	5.4
28	5.6	6.0	6.7	6.9	6.1	6.8	13	14	9.6	7.5	6.2	5.4
29	5.6	6.0	6.7	6.9	6.1	6.8	13	14	9.6	7.4	6.2	5.4
30	5.6	6.0	6.7	6.9		6.8	13	12	9.6	7.1	5.9	5.1
31	5.6		6.7	6.9		7.5		12		7.1	5.9	
	165.3	174.6	198.2	213.7	182.2	192.2	296.5	404	318.4	255.1	201.2	167.3
MEAN	5.36	5.82	6.39	6.89	6.28	6.20	9.88	13.0	10.6	8.23	6.49	5.58
ACRE-FEET	330.	346.	393.	424.	361.	381.	588.	801.	632.	506.	399.	332.

Remarks:

YEAR OR PERIOD MEAN 7.57
ACRE-FEET 5,490.

7SD74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No._____

Daily discharge, in second-feet of SAN ANTONIO CREEK AND SOUTHERN CALIFORNIA EDISON CO'S CONDUIT, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.1	5.2	5.5	6.1	6.0	5.7	9.7	34	20	13	9.4	7.1
2	5.1	5.2	5.5	6.0	6.0	5.7	10	39	20	13	9.1	7.1
3	5.1	5.1	5.5	6.0	6.0	5.6	9.4	42	20	13	9.1	7.1
4	4.8	5.1	5.2	5.9	6.0	5.7	8.6	43	19	12	9.1	7.1
5	4.8	5.1	5.5	5.9	6.0	5.7	8.1	40	19	12	9.1	7.4
6	4.8	5.1	5.5	5.9	6.7	5.6	7.9	37	18	12	8.7	7.4
7	4.8	5.1	5.5	6.7	6.3	6.0	8.0	35	18	12	8.3	7.4
8	5.1	5.1	5.5	6.0	6.3	5.6	10	33	18	12	8.3	7.1
9	4.8	5.5	5.5	6.1	6.3	5.6	12	31	17	12	8.7	7.1
10	4.8	5.7	5.5	6.0	6.3	5.6	13	30	17	12	8.3	7.1
11	4.8	5.5	5.5	5.9	6.3	5.6	10	29	16	12	8.7	7.1
12	5.1	5.5	5.2	5.8	6.3	5.9	10	28	16	12	8.8	7.1
13	5.1	5.2	5.2	5.8	6.3	6.0	9.4	28	16	12	8.4	6.9
14	5.1	5.1	5.2	5.8	6.3	6.0	9.4	26	16	12	8.4	6.9
15	5.2	5.2	5.2	5.8	6.0	5.9	9.7	26	16	12	8.4	7.1
16	5.2	5.2	5.2	5.8	6.0	5.9	10	25	16	10	8.3	7.1
17	5.2	5.5	5.2	5.8	6.0	5.9	11	25	15	11	8.4	7.2
18	5.2	5.5	5.2	5.7	6.0	5.6	12	24	15	11	8.4	7.5
19	5.2	5.2	5.2	5.7	6.0	5.6	12	24	15	10	8.4	7.2
20	5.1	5.5	5.5	5.7	6.0	5.7	13	24	15	10	8.3	7.2
21	4.8	5.5	5.3	6.0	6.0	5.7	14	24	15	10	8.4	7.1
22	5.1	5.5	5.3	6.0	6.0	5.7	14	24	15	10	8.4	7.1
23	5.1	5.5	5.3	6.0	6.0	5.7	13	24	15	10	8.0	7.1
24	5.2	5.5	5.3	6.0	6.0	5.7	13	24	14	9.7	8.0	7.1
25	5.2	5.5	5.3	6.0	6.0	5.7	14	24	15	9.7	7.7	7.1
26	5.2	5.5	5.3	6.0	6.0	5.7	16	22	14	9.7	7.7	7.1
27	4.9	5.5	6.6	6.0	6.0	5.7	18	22	14	9.7	7.7	7.1
28	5.2	5.5	6.4	6.0	6.0	5.7	19	21	14	9.7	7.7	7.1
29	5.2	5.5	6.3	6.0		5.7	26	21	14	9.7	7.4	6.9
30	5.2	5.2	6.2	6.0		5.7	33	21	13	9.7	7.4	6.9
31	5.2		6.2	6.0		6.4		21		9.7	7.4	
	156.7	160.3	170.8	184.4	171.1	178.3	383.2	871	485	342.6	258.4	213.8
MEAN	5.05	5.34	5.51	5.95	6.11	5.75	12.8	28.1	16.2	11.1	8.34	7.13
ACRE-FEET	311.	318.	339.	366.	339.	354.	760.	1,730.	962.	680.	513.	424.

Remarks:

YEAR OR PERIOD MEAN 9.80
ACRE-FEET 7,100.

STATION F323–R
SAN ANTONIO CREEK above Stoddard Canyon

LOCATION: LAT. 34°10'38", LONG. 117°40'28", ON THE DOWNSTREAM SIDE OF THE CAMP BALDY ROAD BRIDGE, 1.4 MILES ABOVE SAN ANTONIO DAM, FIVE MILES NORTHEAST OF CLAREMONT. ELEVATION OF ZERO GAGE HEIGHT ABOUT 2465 FEET.

DRAINAGE AREA: 22.2 SQUARE MILES.

CHANNEL AND CONTROL: NATURAL ROCKY BOULDERS AND GRAVEL. CONTROL IS A CONCRETE AND RUBBLE WALL 82 FEET LONG, 13.5 FEET BELOW STATION.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING, HIGH FLOWS MEASURED FROM CAT–WALK ON UPSTREAM SIDE OF BRIDGE.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: NONE.

DIVERSIONS: THERE ARE DIVERSIONS FOR IRRIGATION AND POWER DEVELOPMENT.

RECORDS AVAILABLE: AT STATION F151–R, FEBRUARY 20, 1931 TO MARCH 31, 1955 AND AT STATION F323–R, FEBRUARY 1, 1956 TO SEPTEMBER 30, 1965. NO RECORD FROM MARCH 31, 1955 TO FEBRUARY 1, 1956 DUE TO SAN ANTONIO DAM CONSTRUCTION.

EXTREMES OF DISCHARGE:

1963–64
- MAXIMUM: 14 SECOND–FEET ESTIMATED JANUARY 22.
- MINIMUM: NO FLOW MOST OF YEAR.

1964–65
- MAXIMUM: 33 SECOND–FEET SEPTEMBER 18.
- MINIMUM: NO FLOW MOST OF YEAR.

1930–65
- MAXIMUM: 23,400 SECOND–FEET ESTIMATED MARCH 2, 1938 AT STATION F151–R.
- MINIMUM: NO FLOW FOR SEVERAL MONTHS EACH YEAR.

ACCURACY: POOR.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F323–R

Daily discharge, in second-feet of SAN ANTONIO CREEK above Stoddard Canyon, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	7.1	0	0.5	0.5	6.0	0.6	0	0	0	0
2	0	0	6.5	0	0.6	0.5	6.0	0.5	0	0	0	0
3	0	0	6.5	0	0.6	0.4	4.8	0.5	0	0	0	0
4	0	0	6.0	0	0.6	0.4	2.8	0.4	0	0	0	0
5	0	0	5.4	0	0.6	0.4	2.8	0.4	0	0	0	0
6	0	+	5.4	0	0.6	0.4	2.5	0.5	0	0	0	0
7	0	0	5.4	0	0.6	0.4	2.0	0.6	0	0	0	0
8	0	0	5.4	0	0.6	0.4	2.0	0.5	0	0	0	0
9	0	0	6.5	0	0.6	0.4	1.8	0.4	0	0	0	0
10	+	0	7.1	0	0.6	0.4	1.6	0.4	0	0	0	0
11	0	0	6.5	0	0.6	0.4	1.6	0.3	0	0	0	0
12	0	0	7.1	0	0.6	0.4	1.3	0.3	0	0	0	0
13	0	0	5.4	0	0.6	0.4	0.8	0.3	0	0	0	0
14	0	0	5.4	0	0.6	0.4	0.6	0.3	0	0	0	0
15	0	+	6.0	0	0.6	0.4	0.6	0.3	0	0	0	0
16	0	0	6.0	0	0.6	0.3	0.6	0.3	0	0	0	0
17	0	0	7.7	0	0.5	0.3	0.6	0.3	0	0	0	0
18	+	0	5.4	0	0.5	0.3	0.6	0.3	0	0	0	0
19	0	0	1.3	0	0.5	0.3	0.6	0.2	0	0	0	0
20	0	3.8	0.4	0	0.5	0.2	0.6	0.2	0	0	0	0
21	0	5.4	0.2	0.8	0.5	0.3	0.6	0.2	0	0	0	0
22	0	3.6	0.1	4.7	0.5	0.3	0.6	0.2	0	0	0	0
23	0	3.6	+	2.0	0.5	1.3	a 0.7	0.1	0	0	0	0
24	0	4.2	+	1.3	0.5	1.3	0.7	+	0	0	0	0
25	0	4.8	0	1.1	0.5	1.1	0.7	0	0	0	0	0
26	0	5.4	0	1.1	0.5	0.6	0.7	0	0	0	0	0
27	0	5.4	0	0.8	0.5	0.6	0.7	0	0	0	0	0
28	0	5.4	0	0.6	0.5	0.5	0.7	0	0	0	0	0
29	0	6.5	0	0.6	0.5	0.5	0.7	0	0	0	0	0
30	0	6.5	0	0.6		0.5	a 0.7	0	0	0	0	0
31	0		0	0.6		0.5		0		0	0	
	+	54.6	112.8	14.2	16.0	15.1	47.0	8.1	0	0	0	0
MEAN	+	1.82	3.64	0.46	0.55	0.49	1.57	0.26	0	0	0	0
ACRE-FEET	+	108.	224.	28.	32.	30.	93.	16.	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.2
ACRE-FEET 591.

74DT4M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F323-R

Daily discharge, in second-feet of SAN ANTONIO CREEK above Stoddard Canyon, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0.5	8.9	0.8	0	0	0
2	0	0	0	0	0	0	6.6	12	0.8	0	0	0
3	0	0	0	0	0	0	2.1	14	0.6	0	0	0
4	0	0	0	0	0	0	1.4	15	0.5	0	0	0
5	0	0	0	0	0	0	0.6	14	0.5	0	0	0
6	0	0	0	0	0	0	0.3	14	0.4	0	0	0
7	0	0	0	0	0	0	0.3	12	0.4	0	0	0
8	0	0	0	0	0	0	2.8	10	0.4	0	0	0
9	0	+	0	0	0	0	12	8.3	0.4	0	0	0
10	0	0	0	0	0	0	13	7.7	0.5	0	0	0
11	0	0	0	0	0	0	7.1	7.7	0.3	0	0	0
12	0	0	0	0	0	0	5.4	7.7	0.3	0	0	0
13	0	0	0	0	0	0	4.8	8.3	0.3	0	0	0
14	0	0	0	0	0	0	4.2	7.7	0.3	0	0	0
15	0	0	0	0	0	0	3.0	5.4	0.3	0	0	0
16	0	0	0	0	0	0	2.5	3.0	0.2	0	0	0
17	0	0	0	0	0	0	2.5	2.5	0.2	0	0	0
18	0	0	0	0	0	0	2.3	2.5	0.2	0	0	0.7
19	0	0	0	0	0	0	1.8	2.3	0.2	0	0	+
20	0	0	0	0	0	0	1.6	2.0	0.1	0	0	0
21	0	0	0	0	0	0	1.6	2.5	0.1	0	0	0
22	0	0	0	0	0	0	1.6	3.6	0.1	0	0	0
23	0	0	0	0	0	0	1.6	3.6	0.1	0	0	0
24	0	0	0	0	0	0	1.3	4.2	0.1	0	0	0
25	0	0	0	0	0	0	1.3	3.0	0.1	0	0	0
26	0	0	0	0	0	0	1.6	2.8	+	0	0	0
27	0	0	0	0	0	0	1.6	2.3	0	0	0	0
28	0	0	0	0	0	0	1.8	1.6	0	0	0	0
29	0	0	0	0		0	2.8	0.8	0	0	0	0
30	0	0	0	0		0	11	0.6	0	0	0	0
31	0		0	0		0		0.6		0	0	
	0	+	0	0	0	0	101.0	190.6	8.2	0	0	0.7
MEAN	0	+	0	0	0	0	3.37	6.15	0.27	0	0	0.02
ACRE-FEET	0	+	0	0	0	0	200.	378.	16.2	0	0	1.4

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.82
ACRE-FEET 596.

STATION F332-R
SAN ANTONIO WATER COMPANY DIVERSION
near Ontario No. 1 Power House

LOCATION: LAT. 34°10'23", LONG. 117°40'30", ON THE RIGHT (NORTH) BANK OF THE DIVERSION CHANNEL ABOVE WATER COMPANY'S DISTRIBUTION BOX AT ONTARIO NO. 1 POWER HOUSE, FOUR AND ONE HALF MILES NORTHEAST OF CLAREMONT. ELEVATION OF ZERO GAGE HEIGHT APPROXIMATELY 2385 FEET.

CHANNEL AND CONTROL: CHANNEL – RECTANGULAR CONCRETE 10 FEET WIDE AND 46 INCHES DEEP. CONTROL IS WIDE CRESTED WEIR BUILT INTO CHANNEL.

DISCHARGE MEASUREMENTS: MEASUREMENTS MADE ABOVE WEIR.

RECORDER: A WEEKLY RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW CAN BE REGULATED BY DIVERSION GATES AT SAN ANTONIO CREEK.

RECORDS AVAILABLE: FEBRUARY 4, 1957 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 8.9 SECOND-FEET APRIL 1.
MINIMUM: NO FLOW MOST OF YEAR.
1964-65
MAXIMUM: 12 SECOND-FEET APRIL 10.
MINIMUM: NO FLOW MOST OF YEAR.
1957-65
MAXIMUM: 28 SECOND-FEET JANUARY 7, 1958.
MINIMUM: NO FLOW AT VARIOUS TIMES EACH YEAR.

ACCURACY: GOOD.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F332-R

Daily discharge, in second-feet of SAN ANTONIO WATER CO. DIVERSION near Ontario No. 1 Power House for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	6.8	0	0.4	+	1.5	0.4	0	0	0	0
2	0	0	6.4	0	0.4	0.2	3.7	0.1	0	0	0	0
3	0	0	5.9	0	0.4	0.2	3.3	0.2	0	0	0	0
4	0	0	5.5	0	0.4	0.2	2.3	0.4	0	0	0	0
5	0	0	5.5	0	0.4	0.2	2.0	0.4	0	0	0	0
6	0	0	4.8	0	0.4	0.2	1.9	0.5	0	0	0	0
7	0	0	4.8	0	0.4	0.2	1.7	0.4	0	0	0	0
8	0	0	4.8	0	0.4	0.2	1.5	0.2	0	0	0	0
9	0	0	5.5	0	0.4	0.2	1.4	0.2	0	0	0	0
10	0	0	5.5	0	0.4	0.2	1.2	+	0	0	0	0
11	0	0	4.8	0	0.4	0.2	1.1	+	0	0	0	0
12	0	0	5.9	0	0.4	0.1	0.9	0	0	0	0	0
13	0	0	5.5	0	0.4	0.1	0.8	0	0	0	0	0
14	0	0	5.1	0	0.3	0.1	0.7	0	0	0	0	0
15	0	0	4.8	0	0.2	0.1	0.6	0	0	0	0	0
16	0	0	4.8	0	0.2	0.1	0.6	0	0	0	0	0
17	0	0	5.1	0	0.1	0.1	0.6	0	0	0	0	0
18	0	0	4.1	0	0.1	0.1	0.6	0	0	0	0	0
19	0	0	0.9	0	0.1	0.1	0.5	0	0	0	0	0
20	0	3.1	0.2	0	0.1	0.1	0.5	0	0	0	0	0
21	0	4.1	0	0.1	0.1	0.3	0.5	0	0	0	0	0
22	0	4.1	0	3.6	0.1	0.5	0.5	0	0	0	0	0
23	0	3.5	0	1.5	+	0.9	0.5	0	0	0	0	0
24	0	3.0	0	0.9		0.7	0.4	0	0	0	0	0
25	0	4.6	0	0.7		0.7	0.4	0	0	0	0	0
26	0	5.5	0	0.7		0.6	0.3	0	0	0	0	0
27	0	5.1	0	0.6		0.6	0.2	0	0	0	0	0
28	0	5.1	0	0.5		0.5	0.4	0	0	0	0	0
29	0	5.9	0	0.5	+	0.5	0.4	0	0	0	0	0
30	0	5.9	0	0.5		0.5	0.4	0	0	0	0	0
31	0		0	0.5		0.8		0		0	0	
	0	49.9	96.7	10.1	6.5	9.5	31.4	2.8	0	0	0	0
MEAN	0	1.66	3.12	0.33	0.22	0.31	1.04	0.09	0	0	0	0
ACRE-FEET	0	99.	192.	20.	13.	19.	62.	5.6	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.57
ACRE-FEET 411.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F332-R

Daily discharge, in second-feet of SAN ANTONIO WATER COMPANY DIVERSION near Ontario No. 1 Power House, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	8.9	0.4	0	0	0
2	0	0	0	0	0	0	1.5	11	0.4	0	0	0
3	0	0	0	0	0	0	1.7	11	0.3	0	0	0
4	0	0	0	0	0	0	1.3	9.3	0.2	0	0	0
5	0	0	0	0	0	0	0.5	6.8	0.1	0	0	0
6	0	0	0	0	0	0	+	6.4	+	0	0	0
7	0	0	0	0	0	0	+	5.5	0	0	0	0
8	0	0	0	0	0	0	0.8	5.5	0	0	0	0
9	0	0	0	0	0	0	1.1	5.5	+	0	0	0
10	0	0	0	0	0	0	5.8	5.1		0	0	0
11	0	0	0	0	0	0	5.9	5.1		0	0	0
12	0	0	0	0	0	0	4.1	5.1		0	0	0
13	0	0	0	0	0	0	3.8	5.1	+	0	0	0
14	0	0	0	0	0	0	3.5	4.8	0.1	0	0	0
15	0	0	0	0	0	0	2.3	3.7	0.2	0	0	0
16	0	0	0	0	0	0	2.0	2.3	0.2	0	0	0
17	0	0	0	0	0	0	1.9	2.5	0.1	0	0	0
18	0	0	0	0	0	0	1.7	1.9	0	0	0	+
19	0	0	0	0	0	0	1.7	1.7	0	0	0	0
20	0	0	0	0	0	0	1.7	1.4	0	0	0	0
21	0	0	0	0	0	0	1.7	2.2	0	0	0	0
22	0	0	0	0	0	0	1.4	2.2	0	0	0	0
23	0	0	0	0	0	0	1.2	2.2	0	0	0	0
24	0	0	0	0	0	0	1.2	2.2	0	0	0	0
25	0	0	0	0	0	0	1.1	2.0	0	0	0	0
26	0	0	0	0	0	0	0.9	1.9	0	0	0	0
27	0	0	0	0	0	0	1.1	1.5	0	0	0	0
28	0	0	0	0	0	0	0.9	1.2	0	0	0	0
29	0	0	0	0		0	2.0	0.7	0	0	0	0
30	0	0	0	0		0	6.4	0.4	0	0	0	0
31	0		0	0		0		0.4		0	0	
	0	0	0	0	0	0	59.2	125.5	2.0	0	0	+
MEAN	0	0	0	0	0	0	1.97	4.05	0.07	0	0	+
ACRE-FEET	0	0	0	0	0	0	117.	249.	4.0	0	0	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.51
ACRE-FEET 370.

STATION F303–R
SAN DIMAS CREEK below San Dimas Dam

LOCATION: LAT. 34°09'09", LONG. 117°46'18", ON THE LEFT (EAST) BANK OF SAN DIMAS CREEK, 1000 FEET BELOW SAN DIMAS DAM, THREE MILES NORTH OF SAN DIMAS. ELEVATION OF ZERO GAGE HEIGHT 1331.02 FEET.

DRAINAGE AREA: 15.2 SQUARE MILES.

CHANNEL AND CONTROL: NATURAL CHANNEL – A CONCRETE CONTROL INSTALLED BELOW STATION TO KEEP LOW FLOW AT LEFT BANK.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM CABLE CAR 25 FEET ABOVE STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW REGULATED BY SAN DIMAS DAM AND PARTIALLY BY OLD WATER TUNNEL, 150 FEET ABOVE STATION.

RECORDS AVAILABLE: DECEMBER 24, 1951 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:

1963–64
- MAXIMUM: 24 SECOND–FEET APRIL 7 – 9.
- MINIMUM: NO FLOW AT VARIOUS TIMES.

1964–65
- MAXIMUM: 133 SECOND–FEET APRIL 9.
- MINIMUM: PLUS FLOW AT VARIOUS TIMES

1951–65
- MAXIMUM: 404 SECOND–FEET FEBRUARY 9, 1963.
- MINIMUM: NO FLOW AT TIMES.

ACCURACY: GOOD.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

74D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F303–R

Daily discharge, in second-feet of SAN DIMAS CREEK below San Dimas Dam, for the year ending September 30, 19 64

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.1	0.08	0.06	0.1	2.6	0.3	0.3	2.4	2.1	1.9	1.8
2	0.2	0.1	0.06	0.06	0.1	2.6	0.2	0.3	2.4	2.1	1.9	1.8
3	0.2	0.1	0.06	0.06	0.1	2.4	0.2	0.3	2.4	2.1	2.1	1.5
4	0.2	0.1	0.06	0.06	0.1	2.4	0.2	0.3	2.4	2.1	2.1	1.5
5	0.2	0.1	0.06	0.04	0.1	1.8	0.2	0.3	2.4	2.1	1.4	1.5
6	0.2	0.1	0.06	0.06	0.1	1.3	0.2	0.3	2.4	2.1	0.1	1.5
7	0.2	0.1	0.06	0.04	0.1	1.3	16.1	0.3	2.4	2.1	0.1	1.5
8	0.2	0.1	0.06	0.04	0.1	1.3	24	0.3	a 2.4	1.9	0.1	1.5
9	0.2	0.1	0.06	0.06	0.1	1.3	17.2	0.3	2.4	1.9	0.1	1.5
10	0.2	0.1	0.06	0.06	0.2	1.3	0.2	0.2	2.4	1.9	0.1	1.4
11	0.2	0.1	0.08	0.08	0.2	1.3	0.2	0.2	2.4	1.9	0.1	1.4
12	0.2	0.1	0.1	0.08	0.2	1.3	0.2	0.3	2.4	1.9	0.1	1.4
13	0.2	0.1	0.08	0.1	0.2	1.3	0.2	0.3	2.4	1.9	0.1	1.4
14	0.2	0.1	0.08	0.1	0.2	1.3	0.1	0.3	2.4	2.1	0.1	1.4
15	0.2	0.3	0.08	0.1	0.2	1.3	0.1	0.2	2.4	2.1	0.1	1.4
16	0.3	0.1	0.08	0.1	0.2	1.4	0.2	0.2	2.4	2.1	0.1	1.4
17	0.2	0.1	0.08	0.1	0.2	1.4	0.2	0.2	2.4	2.1	0.8	1.4
18	0.2	0.1	0.06	0.2	0.2	1.4	0.2	1.7	2.4	1.9	1.5	1.4
19	0.2	0.08	0.06	0.2	0.2	1.3	0.2	2.2	2.4	1.8	1.5	1.4
20	0.2	0.1	0.06	0.2	0.2	1.4	0.1	2.4	2.2	1.7	1.7	1.4
21	a 0.2	0.06	0.06	0.5	0.1	1.5	0.1	2.4	2.2	1.5	1.7	1.4
22	1.8	0.06	0.06	0.8	0.1	1.8	0.1	2.4	2.2	1.5	1.7	1.4
23	2.6	0.06	0.06	a 0.1	0.1	0.9	0.1	2.4	2.1	1.5	1.7	1.4
24	a 2.6	0.06	0.06	0.1	0.1	0.3	0.1	2.2	2.1	1.5	1.7	1.4
25	2.6	0.08	0.06	0.1	0.1	0.2	0.1	2.2	2.1	1.5	1.7	1.4
26	2.6	0.08	0.06	0.1	0.1	0.1	0.1	2.2	2.1	1.5	1.7	1.4
27	2.6	0.06	0.06	0.1	1.7	0.1	0.1	2.2	2.1	1.5	1.7	0.7
28	1.8	0.06	0.06	0.1	2.6	0.2	0.1	2.2	2.1	1.5	1.8	0.2
29	0.2	0.06	0.06	0.1	2.6	0.1	0.3	2.2	2.1	2.6	1.8	0.2
30	0.2	0.08	0.06	a 0.1		0.2	0.3	2.2	2.1	3.1	1.8	0.2
31	0.1		0.06	0.1		0.2		2.2		2.5	1.8	
	21.5	2.84	2.04	4.0	10.6	37.3	61.9	35.7	69.0	60.1	35.1	39.2
MEAN	0.69	0.09	0.07	0.13	0.37	1.20	2.06	1.15	2.30	1.94	1.13	1.31
ACRE-FEET	42.	5.6	4.0	7.9	21.	74.	123.	71.	137.	119.	70.	78.

Remarks:

YEAR OR PERIOD MEAN 1.0
ACRE-FEET 752.

74D74M Gth 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F303-R

Daily discharge, in second-feet of SAN DIMAS CREEK below San Dimas Dam, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.1	0.1	2.1	0.4	1.5	0.5	b 4.9	b 1.3	b 0.5	b 0.7	b 0.4
2	0.1	0.1	0.1	0.3	0.5	2.2	0.2	4.6	1.3	0.5	0.7	0.4
3	0.1	0.1	0.1	0.3	0.5	2.4	0.1	4.3	1.9	0.5	0.7	0.4
4	0.1	0.1	0.1	0.3	0.5	2.4	0.1	4.1	1.7	0.5	0.8	0.4
5	0.1	0.1	0.1	0.3	0.6	2.4	8.3	4.0	1.5	0.5	0.8	0.4
6	0.1	0.1	0.1	0.3	0.6	2.4	15	3.8	1.3	0.5	0.8	0.4
7	0.1	0.1	0.1	2.3	0.6	2.4	15	3.6	1.1	0.5	0.9	0.4
8	0.1	0.1	0.1	0.8	0.5	2.4	15	3.4	1.0	0.5	0.9	0.4
9	0.1	0.2	0.1	0.8	0.5	2.4	40	3.2	0.9	0.5	0.9	0.4
10	0.1	0.3	0.1	0.8	0.5	2.4	49	3.0	0.9	0.5	1.0	0.4
11	0.1	0.3	0.1	0.8	0.5	2.4	25	2.9	0.9	0.5	1.0	0.4
12	0.2	0.4	0.1	0.8	0.4	2.4	23	2.7	0.9	0.5	1.0	0.4
13	0.2	0.6	0.1	0.9	0.4	2.2	18	2.8	0.9	0.5	1.0	0.4
14	0.2	0.7	0.1	0.9	0.4	2.2	12	3.0	1.0	0.5	0.9	0.4
15	0.2	0.7	0.1	0.8	0.5	2.2	7.3	2.9	1.0	0.5	0.8	0.4
16	0.2	0.7	0.1	0.8	0.5	2.2	12	2.6	1.0	0.6	0.7	0.4
17	0.2	0.7	0.1	0.7	0.5	2.1	b 8.0	2.4	1.0	0.6	0.6	0.4
18	0.2	0.7	0.1	0.7	0.4	2.1	6.0	2.2	1.0	0.5	0.5	0.4
19	0.2	0.8	0.1	0.6	0.4	2.1	4.9	2.0	1.0	0.5	0.5	0.4
20	0.2	0.7	0.1	0.5	0.5	2.1	4.1	1.8	1.0	0.5	0.5	0.4
21	0.2	0.7	0.2	0.5	0.5	1.9	4.9	1.7	0.9	0.5	0.5	0.4
22	0.2	0.6	0.3	0.5	0.5	1.9	4.8	1.6	0.9	0.5	0.5	0.4
23	0.2	0.5	0.3	0.5	0.5	1.8	5.0	1.5	0.9	0.5	0.4	0.4
24	0.2	0.1	0.3	0.5	0.5	1.8	5.0	1.4	0.8	0.5	0.4	0.4
25	0.1	0.1	0.3	0.5	0.5	1.8	5.0	1.3	0.8	0.6	0.4	0.3
26	0.1	0.1	0.3	0.5	0.5	1.9	8.6	1.3	0.7	0.6	0.4	0.3
27	0.1	0.2	0.6	0.5	0.5	1.5	2.5	1.3	0.7	0.6	0.4	0.3
28	0.1	0.2	1.9	0.5	0.5	2.5	5.0	1.3	0.6	0.6	0.4	0.2
29	0.1	0.1	3.3	0.4		2.7	5.3	1.3	0.6	0.6	0.4	0.2
30	0.1	0.1	3.1	0.4		2.2	b 5.1	b 1.3	b 0.5	b 0.6	0.4	b 0.2
31	0.1		2.9	0.4		1.0		1.3		b 0.6	b 0.4	
	4.4	10.3	15.5	21.0	13.7	65.9	314.7	79.5	30.0	16.4	20.3	11.1
MEAN	0.14	0.34	0.50	0.68	0.49	2.13	10.5	2.56	1.00	0.53	0.65	0.37
ACRE-FEET	8.7	20.	31.	42.	27.	131.	625.	158.	60.	33.	40.	22.

Remarks:

YEAR OR PERIOD MEAN 1.65
ACRE-FEET 1200.

STATION F218-R
SAN DIMAS WASH
below Puddingstone Diversion Dam

LOCATION: LAT. 34°07'49", LONG. 117°46'58", ON SAN DIMAS-TYPE FLUME ABOUT 75 FEET WEST OF THE SOUTHERLY END OF PUDDINGSTONE DIVERSION DAM AND ABOUT TWO MILES NORTH OF SAN DIMAS. ELEVATION OF ZERO GAGE HEIGHT, 1121.01 FEET. (SEE REMARKS.)

DRAINAGE AREA: 18.8 SQUARE MILES, 16.2 SQUARE MILES CONTROLLED BY SAN DIMAS DAM AND 2.6 SQUARE MILES CONTROLLED BY PUDDINGSTONE DIVERSION DAM.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL.
CONTROL - 3 FEET × 3 FEET SAN DIMAS-TYPE FLUME.

DISCHARGE MEASUREMENTS: LOW AND HIGH FLOWS MEASURED BY WADING.

RECORDER: A WEEKLY RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION AND/OR DIVERSIONS: FLOW ENTIRELY REGULATED BY PUDDINGSTONE DIVERSION DAM. SPILLWAY DISCHARGE ENTERS WASH BELOW THE STATION. PUDDINGSTONE CHANNEL DIVERTS FLOW TO PUDDINGSTONE DAM. INFLOW TO PUDDINGSTONE DIVERSION DAM IS REGULATED BY SAN DIMAS DAM. SAN DIMAS WATER COMPANY AND SAN DIMAS LAND AND WATER COMPANY DIVERTS WATER BELOW SAN DIMAS DAM FOR IRRIGATION.

RECORDS AVAILABLE: NOVEMBER 28, 1945 TO SEPTEMBER 30, 1965. SOME STREAM MEASUREMENTS FOR EARLIER YEARS ARE AVAILABLE.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 46 SECOND-FEET APRIL 10.
MINIMUM: NO FLOW AT VARIOUS TIMES
1964-65
MAXIMUM: 35 SECOND-FEET MAY 11.
MINIMUM: NO FLOW MOST OF YEAR.
1945-65
MAXIMUM: 46 SECOND-FEET APRIL 10, 1964.
MINIMUM: NO FLOW MOST OF EACH YEAR.

ACCURACY: EXCELLENT.

REMARKS: GAGING STATION AND FLUME WERE MOVED TO PRESENT LOCATION IN DECEMBER 1961 FROM FORMER SITE ABOUT 100 FEET UPSTREAM.

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

FMD74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F218-R

Daily discharge, in second-feet of SAN DIMAS WASH below Puddingstone Diversion Dam, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	+	0	0
2	0	0	0	0	0	0	0	0	0	+	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	14.9	0	0	0	0	0
10	0	0	0	0	0	0	16.9	0	0	0	0	0
11	0	0	0	0	0	0	2.1	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	0	0	0	0	0	33.9	0	0	+	0	0
MEAN	0	0	0	0	0	0	1.13	0	0	+	0	0
ACRE-FEET	0	0	0	0	0	0	67.	0	0	+	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.09
ACRE-FEET 67.

FMD74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F218-R

Daily discharge, in second-feet of SAN DIMAS WASH below Puddingstone Diversion Dam, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	+	0
2	0	0	0	0	0	0	0	0	0	0	0.2	0
3	0	0	0	0	0	0	0	6.0	0	0	0.1	0
4	0	0	0	0	0	0	0	7.3	0	0	0.2	0
5	0	0	0	0	0	0	0	0	0	0	0.3	0
6	0	0	0	0	0	0	7.0	0	0	0	0.3	0
7	0	0	0	0	0	0	11.3	0	0	0	0.2	0
8	0	0	0	0	0	0	8.4	0	0	0	+	0
9	0	0	0	0	0	0	5.7	0	0	0	+	0
10	0	0	0	0	0	0	6.4	0	0	0	+	0
11	0	0	0	0	0	0	4.9	18.5	0	0	0.1	0
12	0	0	0	0	0	0	4.9	8.6	0	0	0.2	0
13	0	0	0	0	0	0	4.7	1.9	0	0	0	0
14	0	0	0	0	0	0	4.9	1.7	0	0	0	+
15	0	0	0	0	0	0	5.1	0	0	0	0	0
16	0	0	0	0	0	0	5.1	0	0	0	0	0
17	0	0	0	0	0	0	4.9	1.1	0	0	0	0
18	0	0	0	0	0	0	4.9	1.5	0	0	0	0
19	0	0	0	0	0	0	4.2	1.5	0	0	0	0
20	0	0	0	0	0	0	3.5	0.9	0	0.5	0	0
21	0	0	0	0	0	0	2.5	0	0	1.0	0	0
22	0	0	0	0	0	0	2.0	0	0	0.7	0	0
23	0	0	0	0	0	0	1.9	0	0	+	0	0
24	0	0	0	0	0	0	1.8	1.4	0	0	0	0
25	0	0	0	0	0	0	1.8	1.9	0	0	0	0
26	0	0	0	0	0	0	1.3	1.3	0	0	0	0
27	0	0	0	0	0	0	3.9	0	0	0	0	+
28	0	0	0	0	0	0	5.5	0	0	0.2	0	0
29	0	0	0	0		0	4.2	0	0	+	0	0
30	0	0	0	0		0	0	0	0	+	0	0
31	0		0	0		0		0		0	0	
	0	0	0	0	0	0	110.8	53.6	0	2.4	1.6	+
MEAN	0	0	0	0	0	0	3.69	1.73	0	0.08	0.5	+
ACRE-FEET	0	0	0	0	0	0	220.	106.	0	4.8	3.2	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.46
ACRE-FEET 334.

STATION F209–R
SAN GABRIEL RIVER – WEST FORK
below Cogswell Dam

LOCATION: LAT. 34°14'39", LONG. 117°57'25", ON THE LEFT (NORTH) BANK OF THE WEST FORK OF THE SAN GABRIEL RIVER ABOUT TWENTY-TWO MILES NORTHWEST OF AZUSA AND 0.5 MILE DOWNSTREAM FROM COGSWELL DAM. ELEVATION OF ZERO GAGE HEIGHT, 2083.37 FEET.

DRAINAGE AREA: 41.0 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL – SAND, GRAVEL AND BOULDERS.
CONTROL – CONCRETE CONTROL WITH LOW FLOW NOTCH ABOUT 35 FEET BELOW THE STATION.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: 40.4 SQUARE MILES REGULATED BY COGSWELL DAM. 0.6 SQUARE MILES UNREGULATED.

DIVERSIONS: NONE.

RECORDS AVAILABLE: MAY 26, 1932 TO DECEMBER 8, 1933 STREAM MEASUREMENTS ONLY. RECORDER RECORDS DECEMBER 8, 1933 TO FEBRUARY 21, 1938; MARCH 10, 1938 TO MAY 30, 1938, AND JULY 8, 1938 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963–64
MAXIMUM: 788 SECOND–FEET JUNE 24.
MINIMUM: 0.1 SECOND–FOOT AT VARIOUS TIMES IN OCTOBER.
1964–65
MAXIMUM: 53 SECOND–FEET APRIL 9.
MINIMUM: 0.1 SECOND–FOOT OCTOBER 2.
1933–65
MAXIMUM: 25,000 SECOND–FEET, ESTIMATED MARCH 2, 1938.
MINIMUM: LESS THAN 0.1 SECOND–FOOT AT VARIOUS TIMES.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT FOR MEASURING OUTFLOW FROM COGSWELL DAM.

7ADI74M Cdb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F209–R

Daily discharge, in second-feet of SAN GABRIEL RIVER – WEST FORK below Cogswell Dam, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	1.7	0.2	0.3	0.3	0.3	11.1	18.5	9.6	d 1.2	0.8	0.7
2	0.1	0.2	0.2	0.3	0.3	0.3	9.9	18.5	9.6	d 1.2	0.9	0.7
3	0.1	0.2	0.2	0.3	0.2	0.3	11.6	18.5	9.6	d 1.2	0.9	0.7
4	0.1	0.2	0.2	0.3	0.2	0.3	12.6	18.1	9.6	1.1	0.9	0.7
5	0.1	0.2	0.2	0.3	0.2	0.3	12.6	18.1	7.5	1.1	0.9	0.7
6	0.1	0.2	0.2	0.3	0.2	0.3	12.6	18.1	5.1	1.0	0.9	d — 0.7
7	0.1	0.2	0.2	0.3	0.2	0.3	12.6	18.1	5.1	1.0	0.9	0.7
8	0.1	0.2	0.2	0.3	0.2	0.3	12.6	18.1	5.1	1.0	0.9	0.7
9	0.1	0.2	0.2	0.3	0.2	0.3	12.6	18.1	5.1	1.0	0.7	d — 0.7
10	2.5	0.2	0.2	0.3	0.2	0.3	12.6	18.1	5.1	1.0	0.6	0.7
11	2.6	0.2	0.3	0.3	0.3	0.3	12.6	18.1	4.9	1.0	0.8	0.7
12	0.2	0.2	0.3	0.3	0.3	0.3	12.6	18.1	4.9	1.0	0.9	0.7
13	0.1	0.2	0.3	0.3	0.3	0.3	12.6	18.1	4.9	1.1	0.9	0.7
14	0.1	0.2	0.3	0.3	0.3	0.3	12.9	16.2	4.9	1.1	0.9	0.7
15	0.1	0.4	0.3	0.3	0.3	0.3	12.9	18.1	4.0	1.1	0.8	0.7
16	0.2	0.2	0.3	0.3	0.3	0.3	11.9	18.1	5.9	e 1.1	0.8	0.7
17	0.1	0.2	0.3	0.3	0.3	5.8	12.9	18.1	7.4	f 1.0	0.9	0.7
18	0.1	0.3	0.3	0.3	0.3	9.1	13.3	18.1	7.4	0.9	0.8	0.8
19	0.1	0.3	0.3	0.3	0.3	9.1	13.3	18.1	7.4	0.8	0.8	0.8
20	0.1	0.7	0.3	0.3	0.3	9.1	13.3	18.1	7.2	0.9	0.7	0.7
21	0.1	0.3	0.3	1.8	0.3	9.1	13.3	17.6	7.2	0.9	0.7	0.6
22	0.1	0.2	0.3	2.2	0.2	9.4	13.3	17.6	7.2	0.8	0.8	0.6
23	0.1	0.2	0.3	0.4	0.2	9.6	13.3	17.6	6.9	0.8	0.7	0.6
24	0.1	0.2	0.3	0.4	0.2	9.4	13.3	17.6	30	0.9	0.7	0.6
25	0.1	0.2	0.3	0.4	0.2	9.4	13.3	17.6	1.1	0.9	0.7	0.6
26	0.1	0.2	0.3	0.4	0.2	9.4	13.3	12.0	1.8	0.9	0.7	0.6
27	0.1	0.2	0.3	0.4	0.2	9.4	13.3	6.7	1.2	0.9	0.7	0.6
28	0.1	0.2	0.3	0.3	0.2	9.4	13.3	8.0	d 1.2	0.9	0.7	0.6
29	0.1	0.2	0.3	0.3	0.3	9.4	13.3	9.9	d 1.2	0.8	0.7	0.7
30	0.1	0.2	0.3	0.3		9.4	16.6	9.9	d 1.2	0.8	0.7	0.7
31	0.1		0.3	0.3		9.5		9.6		0.8	0.6	
	8.2	8.5	8.3	13.2	7.2	141.3	385.4	505.4	189.3	30.2	24.4	20.4
MEAN	0.26	0.28	0.27	0.43	0.25	4.56	12.8	16.3	6.31	0.97	0.79	0.68
ACRE-FEET	16.	17.	16.	26.	14.	280.	764.	1,000.	375.	60.	48.	40.

Remarks:

YEAR OR PERIOD MEAN 3.67
ACRE-FEET 2,660.

76DT6M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F209-R

Daily discharge, in second-feet of SAN GABRIEL RIVER – WEST FORK below Cogswell Dam, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.7	a 0.3	0.3	0.5	0.4	0.3	a 2.0	1.6	12.6	11.9	11.9	14.0
2	0.5	0.2	0.3	0.5	0.4	0.3	a 2.2	1.7	12.6	11.9	11.6	14.0
3	0.1	0.2	0.3	0.5	0.4	0.3	1.5	1.7	12.6	11.9	11.6	14.0
4	0.1	0.2	0.3	0.5	0.4	0.3	1.3	1.7	12.6	11.9	11.2	14.0
5	0.2	a 0.2	0.3	0.5	0.4	0.3	13.4	1.9	12.8	11.9	11.2	14.0
6	0.1	0.2	0.3	0.4	0.7	0.3	42	1.9	12.9	11.9	11.2	14.0
7	0.2	0.2	0.3	0.6	0.4	0.3	43	1.9	12.6	11.9	11.6	14.0
8	0.2	0.2	0.3	0.5	0.4	0.3	46	1.9	12.6	11.9	11.6	13.6
9	0.2	0.4	0.3	0.5	0.4	0.3	47	1.9	12.6	11.6	11.9	13.6
10	0.2	0.4	0.3	0.4	0.4	0.3	47	1.9	12.6	11.6	11.9	13.6
11	0.2	0.3	0.3	0.4	0.4	0.3	46	1.7	12.6	11.6	12.2	13.3
12	0.2	0.2	0.3	0.4	0.4	0.4	31	1.9	12.6	11.6	12.2	13.3
13	0.2	0.2	0.3	0.5	0.4	0.4	1.9	1.9	12.6	11.6	12.2	13.3
14	0.2	0.2	0.4	0.5	0.3	0.4	1.6	1.9	12.6	11.6	12.2	13.3
15	0.2	0.2	0.4	0.5	0.3	0.3	1.4	1.9	11.3	10.8	12.2	12.2
16	0.2	0.2	0.4	0.5	0.3	0.3	1.4	1.9	12.9	12.6	11.0	13.6
17	0.2	0.4	0.4	0.5	0.3	0.3	1.4	1.9	12.9	12.6	14.0	13.6
18	0.2	0.3	0.4	0.5	0.3	0.3	1.5	1.9	13.3	12.6	14.0	14.0
19	0.2	0.3	0.4	0.4	0.3	0.3	1.6	1.9	13.3	12.6	14.0	14.0
20	0.2	0.3	0.8	0.4	0.3	0.3	1.6	1.9	12.9	12.6	14.0	13.3
21	0.2	0.3	0.5	0.4	0.3	0.3	1.7	1.9	12.6	12.6	14.0	13.3
22	0.2	0.3	0.5	0.4	0.3	0.3	1.7	1.9	12.6	12.6	14.0	13.3
23	0.3	0.3	0.4	0.4	0.3	0.3	1.7	1.9	12.6	12.6	14.0	13.3
24	0.3	0.3	0.4	0.4	0.3	0.3	1.7	1.9	12.6	12.6	14.0	13.3
25	0.3	0.2	0.4	0.4	0.3	0.3	1.7	8.7	12.6	12.6	14.0	13.3
26	0.3	0.2	0.4	0.4	0.3	0.3	1.7	12.6	12.6	12.2	14.0	13.3
27	0.3	0.2	0.6	0.4	0.3	0.3	1.7	12.6	12.2	12.2	14.0	13.3
28	0.3	0.3	0.5	0.4	0.3	0.4	1.7	12.6	12.2	12.2	14.0	13.3
29	0.3	0.3	0.5	0.4		0.4	1.6	12.6	12.2	12.2	14.0	13.3
30	a 0.3	0.3	0.5	0.4		0.3	1.6	12.6	11.9	12.2	14.0	13.3
31	a 0.3		0.5	0.4		a 0.4		12.6		11.9	14.0	
	7.6	7.8	12.3	13.9	10.0	9.9	356.6	128.8	377.6	374.5	397.7	405.7
MEAN	0.25	0.26	0.40	0.45	0.36	0.32	11.9	4.15	12.6	12.1	12.8	13.5
ACRE-FEET	15.	15.	24.	28.	20.	20.	707.	255.	749.	743.	789.	805.

Remarks:

YEAR OR PERIOD MEAN 5.76
ACRE-FEET 4,170.

STATION P3-R
SAN GABRIEL RIVER – WEST FORK above Forks

LOCATION: LAT. 34°14'28", LONG. 117°51'45", ON THE RIGHT (SOUTH) BANK, 0.2 MILE ABOVE RINCON RANGER STATION, 1.5 MILES ABOVE EAST FORK AND ABOUT 13.5 MILES NORTH OF AZUSA. ELEVATION OF ZERO GAGE HEIGHT, 1474.94 FEET.

DRAINAGE AREA: 102 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL – SAND, GRAVEL AND BOULDERS.
CONTROL – CONCRETE DIP CROSSING ABOUT 100 FEET BELOW STATION.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING: HIGH FLOWS MEASURED FROM CABLE CAR 75 FEET BELOW STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW PARTIALLY REGULATED BY COGSWELL DAM.

DIVERSIONS: NONE.

RECORDS AVAILABLE: DECEMBER 3, 1930 TO SEPTEMBER 30, 1965; FOR RECORDS PRIOR TO DECEMBER 3, 1930 AT THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT OFFICE FILED WITH STATION P1-R, SAN GABRIEL RIVER – WEST FORK 0.5 MILE ABOVE FORKS. RECORDS FROM JULY 12, 1938 TO SEPTEMBER 27, 1938 ARE FROM STATION P3B-R, SAN GABRIEL RIVER – WEST FORK, 400 FEET BELOW NORTH FORK.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 414 SECOND-FEET JUNE 24.
MINIMUM: 1.7 SECOND-FEET AT VARIOUS TIMES IN SEPTEMBER.
1964-65
MAXIMUM: 534 SECOND-FEET APRIL 9.
MINIMUM: 1.5 SECOND-FEET OCTOBER 12.
1930-65 (STATIONS P1-R, P3-R, P3B-R).
MAXIMUM: 34,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM: 0.3 SECOND-FOOT OCTOBER 17, 1931.

ACCURACY: GOOD.

OPERATION: MOVED FROM A PREVIOUS LOCATION BY THE DISTRICT FOR THE PASADENA WATER DEPARTMENT. THIS STATION WAS LATER TAKEN OVER, RECONSTRUCTED, AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. P3-R

Daily discharge, in second-feet of SAN GABRIEL RIVER – WEST FORK above Forks for the year ending September 30, 19 64

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.3	6.9	11	8.7	12	9.5	195	34	18	5.6	2.9	3.3
2	5.6	7.6	11	9.1	11	10	94	33	18	5.3	2.9	3.1
3	5.6	7.2	11	8.7	11	9.8	63	32	18	5.0	2.9	2.9
4	5.9	7.2	11	8.7	11	9.5	53	33	18	5.3	2.9	2.7
5	6.2	7.2	11	8.7	11	9.5	48	33	17	f 5.6	2.9	2.5
6	5.9	12	10	8.7	11	9.5	44	35	13	f 5.6	2.9	2.5
7	5.3	11	10	8.7	11	9.5	42	35	13	5.3	2.9	2.5
8	5.3	9.5	9.8	8.7	10	9.5	42	34	14	4.7	2.5	2.3
9	5.0	8.7	9.8	8.7	10	9.5	41	34	16	4.4	2.7	2.1
10	5.0	8.0	11	8.7	10	9.1	40	33	15	4.1	2.7	2.1
11	7.9	7.6	10	8.7	10	9.5	39	32	14	4.1	2.7	2.1
12	7.6	7.6	10	9.1	9.8	9.8	38	32	13	f 3.8	2.7	1.9
13	6.2	7.6	10	9.1	9.8	10	37	30	12	f 3.8	2.7	1.9
14	5.6	7.6	10	9.1	9.8	9.8	36	28	12	3.8	2.7	2.1
15	5.6	14	10	9.1	9.8	9.1	34	29	11	3.8	2.7	2.5
16	9.0	14	10	9.1	9.8	8.0	32	30	12	3.8	2.5	2.5
17	8.7	11	10	9.1	9.8	9.3	34	30	15	3.8	2.3	2.5
18	9.1	11	10	8.7	9.8	16	34	30	15	f 3.5	2.3	2.7
19	8.7	11	10	8.7	9.8	17	34	28	15	e 3.5	2.3	2.7
20	8.4	42	10	8.7	9.5	17	33	27	15	f 3.3	2.3	2.5
21	8.0	24	9.8	59	9.5	18	31	27	14	3.3	2.3	2.7
22	7.6	19	9.5	92	9.1	24	30	27	14	3.3	2.3	2.5
23	7.2	17	9.1	28	9.1	33	30	27	13	3.5	2.1	2.3
24	6.9	15	9.1	20	9.1	29	30	27	43	3.3	2.1	2.1
25	6.9	13	9.5	17	9.1	26	29	27	9.0	3.3	2.1	2.1
26	6.5	13	9.5	15	9.1	25	28	23	6.9	3.5	2.1	2.5
27	6.5	12	9.5	14	9.1	24	27	17	9.4	3.8	2.5	2.5
28	6.5	12	9.5	14	9.1	24	30	16	7.6	3.1	2.9	2.5
29	6.5	11	9.5	13	9.8	24	30	18	6.5	2.9	2.9	2.5
30	6.9	11	9.1	13		23	31	18	5.6	2.9	3.1	2.3
31	6.9		9.1	13		29		17		2.9	3.3	
	208.3	365.7	308.8	474.8	288.9	489.9	1309	876	423.0	123.9	81.1	73.4
MEAN	6.72	12.2	9.96	15.3	9.96	15.8	43.7	28.3	14.1	4.00	2.62	2.45
ACRE-FEET	413.	725.	612.	942.	573.	972.	2,600.	1,740.	839.	246.	161.	146.

Remarks:

YEAR OR PERIOD MEAN 13.7
ACRE-FEET 9,970.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. P3-R

Daily discharge, in second-feet of SAN GABRIEL RIVER – WEST FORK above Forks for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.1	3.1	6.2	13	9.5	8.4	107	52	29	21	17	17
2	2.1	3.3	5.9	12	9.5	8.0	158	50	29	21	17	17
3	1.9	3.1	5.9	11	9.5	8.4	99	45	30	21	17	16
4	1.9	3.1	5.9	11	9.5	8.4	64	42	29	20	17	16
5	1.9	3.1	6.2	10	9.7	8.4	56	39	28	20	17	17
6	2.1	3.3	6.5	10	16	8.7	78	38	27	19	17	18
7	1.9	3.3	6.5	15	13	8.7	79	35	27	19	16	17
8	1.9	3.3	6.5	14	11	8.7	181	33	27	20	16	17
9	1.9	9.7	6.2	13	11	8.4	228	30	27	20	16	16
10	1.9	11	6.2	13	11	8.4	201	28	26	20	15	16
11	1.9	8.7	6.2	12	10	8.4	134	27	25	19	15	16
12	1.7	7.2	6.2	11	10	8.7	103	28	25	19	16	16
13	1.7	6.2	6.2	11	10	9.5	61	29	25	19	16	16
14	2.1	5.9	6.5	11	10	9.1	53	27	24	18	16	16
15	2.1	5.6	6.5	11	10	9.1	57	25	24	17	16	15
16	2.3	5.3	6.5	11	9.8	9.1	73	24	25	19	15	17
17	2.3	9.5	6.5	11	9.8	8.7	89	23	24	19	18	18
18	2.3	9.5	6.9	11	9.5	8.4	101	23	23	18	18	19
19	2.1	8.4	8.7	11	9.5	8.0	112	23	23	18	17	20
20	2.1	7.2	14	10	9.5	7.6	120	23	23	19	17	19
21	2.1	7.2	14	10	9.1	7.2	o 113	23	23	20	16	18
22	2.3	7.2	12	10	9.5	7.6	f 106	23	23	20	16	17
23	2.5	6.5	11	10	9.1	7.6	96	23	23	18	16	17
24	2.7	6.5	9.8	11	9.1	8.0	91	23	23	18	16	17
25	2.9	6.9	9.8	10	8.7	8.4	89	24	24	18	16	17
26	2.9	6.5	9.5	9.8	8.7	8.0	83	30	24	17	16	17
27	3.1	6.5	20	9.8	8.7	8.0	76	30	23	17	17	17
28	3.1	6.5	22	9.8	8.4	8.4	68	28	23	16	16	18
29	3.8	5.9	17	9.8		8.0	59	28	23	16	16	17
30	3.3	5.9	15	9.8		7.6	56	28	22	18	16	17
31	3.1		14	9.5		13		28		17	16	
	72.0	185.4	290.3	341.5	279.1	262.9	2991	932	751	581	506	511
MEAN	2.32	6.18	9.36	11.0	9.99	8.48	99.7	30.1	25.0	18.7	16.3	17.0
ACRE-FEET	143.	368.	576.	677.	555.	521.	5,930.	1,850.	1,490.	1,150.	1,000.	1,010.

Remarks:

YEAR OR PERIOD MEAN 21.1
ACRE-FEET 15,270.

STATION P4B–R
SAN GABRIEL RIVER – EAST FORK above Forks

LOCATION: LAT. 34°14'09", LONG. 117°48'18", ON THE RIGHT (NORTH) BANK, 2.5 MILES ABOVE THE WEST FORK AND ABOUT 12 MILES NORTH OF AZUSA. ELEVATION OF ZERO GAGE HEIGHT, 1567.04 FEET. FORMER STATION P4–R WAS ABOUT 0.6 MILE DOWNSTREAM.

DRAINAGE: 88.2 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL – SAND, GRAVEL AND BOULDERS.
CONTROL – A CONCRETE CONTROL WITH A 20–FOOT LOW FLOW NOTCH WAS CONSTRUCTED IN NOVEMBER 1947. CONTROL HEIGHT INCREASED 2.0 FEET SEPTEMBER 1955.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM CABLE CAR 23 FEET ABOVE GAGE.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: AT STATION P4–R AND P4B–R, NOVEMBER 30, 1932 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963–64
MAXIMUM: 202 SECOND–FEET JANUARY 22.
MINIMUM: 4.5 SECOND–FEET SEPTEMBER 23.
1964–65
MAXIMUM: 274 SECOND–FEET APRIL 9.
MINIMUM: 4.7 SECOND–FEET OCTOBER 5.
1932–65
MAXIMUM: 46,000 SECOND–FEET MARCH 2, 1938 (COMPUTED BY GEOLOGICAL SURVEY).
MINIMUM: 1.6 SECOND–FEET SEPTEMBER 4, 1961.
NOTE: MINIMUM FLOW OF RECORD AS PREVIOUSLY SHOWN (1.5 SECOND–FEET ON OCTOBER 1, 1934) WAS FOUND TO BE IN ERROR. MINIMUM FLOW PRIOR TO 1960–61 WAS 1.7 SECOND–FEET AT VARIOUS TIMES IN SEPTEMBER 1951.

ACCURACY: LOW FLOWS – GOOD; HIGH FLOWS – FAIR.

OPERATION: MOVED FROM A PREVIOUS LOCATION BY THE DISTRICT FOR THE PASADENA WATER DEPARTMENT. THE STATION WAS LATER TAKEN OVER, RECONSTRUCTED AND OPERATED BY THE DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

760T4M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. P4B–R

Daily discharge, in second-feet of SAN GABRIEL RIVER – EAST FORK above Forks, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	11	19	15	19	15	102	42	30	15	9.3	8.0
2	10	11	18	14	f 19	17	95	41	29	15	9.3	8.0
3	10	11	18	14	f 20	15	71	40	29	15	9.3	7.2
4	10	12	17	14	20	15	58	41	29	15	9.3	6.7
5	10	12	17	13	20	15	53	41	28	14	9.3	6.3
6	9.9	16	16	14	19	15	48	45	27	14	8.9	7.2
7	9.3	20	16	14	18	16	42	42	28	12	8.9	7.2
8	8.9	17	16	15	17	15	40	40	29	12	8.4	6.7
9	9.3	15	16	15	17	15	42	41	28	12	8.4	5.9
10	9.9	15	17	15	17	15	45	42	28	12	8.9	5.9
11	9.9	14	16	15	17	15	46	45	27	12	8.9	5.9
12	10	14	16	15	17	15	50	46	25	11	8.4	5.4
13	9.9	13	15	14	18	15	50	48	23	11	8.4	5.4
14	9.9	13	15	14	18	15	49	48	22	10	8.4	5.9
15	9.9	19	15	14	18	14	49	45	21	11	8.4	6.7
16	10	24	15	14	18	14	50	44	22	11	8.4	6.3
17	15	20	15	14	17	14	50	41	23	11	8.0	6.3
18	15	18	15	14	16	13	51	40	24	10	7.6	6.7
19	14	17	15	14	16	13	53	39	24	10	7.2	6.3
20	13	47	15	14	15	14	48	39	23	9.9	7.2	5.9
21	12	34	15	35	16	15	45	39	22	9.9	7.6	5.9
22	11	29	15	55	16	22	41	38	20	9.9	7.2	5.0
23	12	25	15	27	15	26	44	36	20	10	6.3	5.0
24	12	23	15	21	15	23	42	35	20	10	6.3	5.4
25	11	20	15	20	15	20	40	33	19	9.9	6.3	6.3
26	10	20	15	19	15	20	40	33	18	9.9	6.7	6.7
27	10	20	15	20	15	20	38	33	16	12	7.6	6.7
28	10	19	15	19	15	20	41	33	15	9.9	8.0	6.3
29	11	19	15	19	17	21	44	32	15	9.9	8.4	6.3
30	12	19	15	19		23	42	32	15	9.9	7.6	6.3
31	11		15	19		27		30		9.3	7.6	
	335.9	567	487	558	495	532	1509	1,224	699	353.5	250.5	189.8
MEAN	10.8	18.9	15.7	18.0	17.1	17.2	50.3	39.5	23.3	11.4	8.08	6.33
ACRE-FEET	666.	1,120.	966.	1,110.	982.	1,060.	2,990.	2,430.	1,390.	701.	497.	376.

Remarks:

YEAR OR PERIOD MEAN 19.7
ACRE-FEET 14,288.

Form Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. P4B-R

Daily discharge, in second-feet of SAN GABRIEL RIVER – EAST FORK above Forks, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.9	8.9	11	20	15	13	58	158	54	26	13	10
2	5.9	9.3	10	19	15	13	90	149	51	24	13	9.9
3	5.9	8.4	11	18	15	14	67	136	54	23	13	9.9
4	5.9	8.0	11	17	15	14	50	119	49	23	13	f 9.9
5	5.4	7.6	11	16	15	14	41	112	48	21	12	e 11
6	5.4	7.6	12	15	20	14	39	126	48	21	12	e 12
7	5.4	8.0	12	21	18	15	36	101	48	21	11	f 12
8	5.9	8.0	12	20	17	14	70	95	46	20	11	11
9	5.9	11	12	20	16	14	120	87	42	20	10	10
10	5.9	15	12	20	16	14	106	83	41	20	10	9.9
11	5.9	13	12	20	16	14	84	80	40	20	11	9.9
12	5.9	12	11	19	16	14	66	80	39	20	11	9.9
13	5.9	12	11	19	16	17	59	80	39	19	11	9.9
14	6.3	12	12	19	16	14	57	80	38	18	e 11	9.3
15	6.7	12	11	18	16	15	58	77	38	17	e 11	9.3
16	6.7	11	11	17	16	15	66	78	36	17	f 11	10
17	7.2	14	11	17	16	14	80	77	36	17	19	13
18	7.2	12	12	17	15	14	102	75	34	17	19	14
19	5.9	12	12	17	15	14	128	75	34	17	16	15
20	5.9	12	15	16	15	14	165	75	33	16	14	13
21	5.9	12	18	16	14	13	175	72	32	16	14	12
22	6.3	12	16	16	14	13	184	71	32	16	14	11
23	6.7	12	15	16	14	13	178	66	33	15	14	11
24	7.6	12	15	18	14	14	173	62	33	15	13	10
25	8.0	12	15	17	14	14	175	59	33	15	12	10
26	7.6	12	15	16	14	13	175	58	33	15	11	f 10
27	7.6	12	24	16	14	13	170	55	31	15	10	11
28	7.6	11	31	15	14	12	168	54	30	14	10	12
29	8.9	10	26	15		12	161	54	28	14	10	10
30	8.9	10	23	15		12	161	54	27	15	10	f 9.9
31	8.9		20	15		17		54		14	10	
	205.1	328.8	450	540	431	430	3,282	2,582	1,160	561	380	325.8
MEAN	6.62	11.0	14.5	17.4	15.4	13.9	109.	83.3	38.7	18.1	12.3	10.9
ACRE-FEET	407.	652.	893.	1,070.	855.	853.	6,510	5,120.	2,300.	1,110.	754.	646.

Remarks:

YEAR OR PERIOD MEAN 29.2
ACRE-FEET 21,170.

STATION F250–R
SAN GABRIEL – AZUSA CONDUIT
at 25-Foot Weir below San Gabriel Dam

LOCATION: LAT. 34°12'17", LONG. 117°51'17", ON THE LEFT (EAST) SIDE OF THE SANDBOX ON AZUSA CONDUIT, 12 FEET ABOVE THE 25-FOOT WEIR AND APPROXIMATELY 100 FEET BELOW THE 30-FOOT OUTLET TUNNEL AT SAN GABRIEL DAM, 63 FEET ABOVE STATION F220B–R. ELEVATION OF TOP OF WEIR 1199.70 FEET.

CHANNEL AND CONTROL: CHANNEL – CONCRETE SANDBOX WITH SLUICE GATES AND A CONCRETE BY-PASS CHANNEL. A SECONDARY BOX WITH A TAINTOR GATE AND A 10-FOOT WEIR CONTROLS THE FLOW INTO THE CONDUIT. CONTROL – A 25-FOOT SHARP-CRESTED WEIR WITH TWO END CONTRACTIONS. STATION F250–R GIVES A RECORD OF THE FLOW DOWN THE AZUSA CONDUIT AND/OR FLOW SPILLED INTO MORRIS RESERVOIR.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: THE FLOW OF THE SAN GABRIEL RIVER, AVAILABLE AT SAN GABRIEL DAM, IS PARTIALLY REGULATED BY COGSWELL DAM, AND THE ENTIRE FLOW INTO THE SANDBOX IS REGULATED BY VALVE DISCHARGE FROM SAN GABRIEL DAM.

RECORDS AVAILABLE: FEBRUARY 14, 1935 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE: FLOW IS ENTIRELY REGULATED BY VALVE RELEASE. CAPACITY OF SANDBOX IS APPROXIMATELY 165 SECOND-FEET. CAPACITY OF 25-FOOT WEIR IS ABOUT 142 SECOND-FEET. CAPACITY OF THE AZUSA CONDUIT IS APPROXIMATELY 95 SECOND-FEET.

ACCURACY: EXCELLENT.

REMARKS: STATION F250–R IS A RECORD OF DISCHARGES FROM SAN GABRIEL DAM THROUGH THE SANDBOX ONLY AND DOES NOT NECESSARILY REFLECT DISCHARGE TO THE AZUSA CONDUIT.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F250-R

Daily discharge, in second-feet of SAN GABRIEL-AZUSA CONDUIT at 25-Foot Weir below San Gabriel Dam, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	37	25	10.1	10.0	45	30	25	40	25	34	38	38
2	37	25	16.9	10.0	45	27	25	40	25	38	38	38
3	37	25	30	10.1	45	25	25	40	25	38	38	38
4	37	25	30	10.2	45	25	25	40	25	38	38	38
5	37	25	30	10.2	45	25	25	40	24	38	38	38
6	37	25	27	10.2	45	25	35	40	24	38	38	38
7	37	25	25	9.9	45	25	40	40	25	38	38	38
8	37	25	25	9.7	45	25	41	40	25	38	38	38
9	37	25	25	9.7	45	25	40	40	25	38	38	38
10	37	25	25	9.8	45	25	40	40	25	38	38	38
11	37	25	25	9.8	45	25	40	40	25	38	38	39
12	37	25	25	9.8	38	25	40	40	25	38	38	39
13	37	25	25	9.8	36	25	40	40	25	38	38	38
14	37	25	25	9.8	36	25	40	40	25	38	38	38
15	42	25	25	9.8	35	25	40	30	25	38	38	38
16	47	25	25	9.8	35	25	40	25	25	38	38	38
17	47	25	25	9.9	35	25	40	25	25	38	38	38
18	47	25	25	9.9	35	25	40	25	25	38	38	38
19	47	25	25	9.9	35	25	40	25	25	38	38	38
20	47	25	25	9.9	32	25	40	25	25	38	38	38
21	47	25	25	9.9	30	25	40	25	25	38	38	38
22	48	17.9	25	9.9	30	25	40	25	25	38	38	38
23	48	10.5	25	9.9	30	24	40	25	25	38	38	38
24	48	10.5	25	9.9	30	25	40	25	25	38	38	38
25	48	10.6	25	9.9	30	25	40	25	25	38	38	38
26	48	8.0	25	9.9	30	25	40	25	25	38	38	38
27	48	9.8	25	9.9	30	25	40	24	25	38	38	38
28	48	9.8	25	33	30	25	40	24	25	38	38	38
29	48	10.2	25	45	30	25	40	25	25	38	38	38
30	48	10.0	25	45		25	40	24	25	38	38	38
31	34		14.9	45		25		25		38	38	
	1308	622.3	758.9	435.5	1082	781	1121	987	748	1174	1178	1142
MEAN	42.2	20.7	24.5	14.0	37.3	25.2	37.4	31.8	24.9	37.9	38.0	38.1
ACRE-FEET	2,590.	1,230.	1,510.	864.	2,150	1,550.	2,220.	1,960.	1,480.	2,330.	2,340.	2,270.

Remarks:

YEAR OR PERIOD MEAN 31.0
ACRE-FEET 22,490.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F250-R

Daily discharge, in second-feet of SAN GABRIEL – AZUSA CONDUIT at 25-Foot Weir below San Gabriel Dam, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	38	7.4	10.4	35	7.1	7.3	2.5	50	60	60	60	61
2	38	7.4	10.4	35	7.1	7.3	e 0.1	49	60	60	60	60
3	38	7.4	10.4	35	7.2	7.3	0.1	49	60	60	60	60
4	38	7.4	10.4	35	7.2	7.3	0.1	49	60	60	60	60
5	38	5.1	10.4	32	7.2	7.3	e 0.1	56	59	60	60	60
6	38	7.4	10.4	30	7.2	7.3	4.7	60	59	60	59	60
7	38	7.4	10.4	30	7.2	7.4	7.0	60	71	60	59	59
8	38	7.4	10.4	30	7.2	7.4	36	60	80	60	59	59
9	38	7.4	10.4	30	7.2	7.4	51	60	81	60	59	59
10	38	9.2	10.5	30	7.2	7.4	51	60	80	60	59	59
11	38	10.1	10.5	30	7.2	7.4	50	60	80	60	59	59
12	38	10.1	10.5	30	7.2	7.4	50	60	80	50	59	59
13	38	10.1	10.5	30	7.2	7.4	50	60	80	60	59	59
14	38	10.1	10.1	30	7.2	7.4	50	60	80	60	60	59
15	38	10.1	9.9	30	7.2	7.4	50	60	80	60	60	59
16	37	10.1	9.9	30	7.2	7.4	50	60	80	60	60	59
17	12.5	10.1	9.9	30	7.2	7.4	50	60	80	60	61	59
18	6.2	10.2	9.9	30	7.2	10.8	51	60	80	60	60	59
19	6.3	10.2	9.9	30	7.3	12.6	50	60	80	60	60	59
20	6.3	10.2	10.0	14.6	7.3	12.6	50	60	80	60	60	60
21	6.3	10.3	10.0	6.9	7.3	12.6	50	60	67	60	60	60
22	6.3	10.3	10.0	6.9	7.3	8.9	50	60	60	60	60	60
23	6.3	10.3	10.0	6.9	7.3	7.1	50	60	60	60	60	60
24	6.3	10.3	10.0	6.9	7.3	7.1	50	60	60	60	60	60
25	6.3	10.3	10.0	6.9	7.3	7.1	48	60	60	60	60	60
26	6.3	10.3	10.0	6.9	7.3	7.1	50	60	60	60	60	60
27	7.0	10.3	10.0	7.0	7.3	7.1	50	60	60	60	61	66
28	7.4	10.3	9.2	7.0	7.3	7.1	50	60	60	60	61	71
29	7.4	10.3	10.2	7.0		7.2	50	60	60	60	61	70
30	7.4	10.4	27	7.0		7.2	51	60	60	60	61	70
31	7.4		35	7.0		7.2		60		60	61	
	712.7	277.9	356.6	683.0	202.4	246.9	1152.6	1813	2077	1850	1858	1825
MEAN	23.0	9.26	11.5	22.0	7.23	7.96	38.4	58.5	69.2	59.7	59.9	60.8
ACRE-FEET	1,410.	551.	707.	1,350.	401.	490.	2,290.	3,600.	4,120.	3,670.	3,690.	3,620.

Remarks:

YEAR OR PERIOD MEAN 35.8
ACRE-FEET 25,900.

STATION U8–R
SAN GABRIEL RIVER below Morris Dam

LOCATION: LAT. 34°10'11", LONG. 117°53'16", ON RIGHT BANK, 1.1 MILES DOWNSTREAM FROM MORRIS DAM AND 2.7 MILES NORTHEAST OF AZUSA. ALTITUDE OF GAGE 867.59 FEET.

DRAINAGE AREA: 214 SQUARE MILES. (REVISED)

RECORDS AVAILABLE: MAY 1894 TO SEPTEMBER 1965.

AVERAGE DISCHARGE: 70 YEARS, 144 SECOND–FEET, AVERAGE COMBINED DISCHARGE OF RIVER AND DIVERSIONS; ADJUSTED FOR STORAGE AND EVAPORATION IN MORRIS, SAN GABRIEL AND COGSWELL RESERVOIRS.

EXTREMES OF DISCHARGE:

1963–64
- MAXIMUM: 50 SECOND–FEET AUGUST 26. (GAGE HEIGHT 4.87 FEET)
- MINIMUM: NO FLOW MOST OF YEAR.

1964–65
- MAXIMUM: 291 SECOND–FEET JUNE 12. (GAGE HEIGHT 5.91 FEET)
- MINIMUM: NO FLOW MOST OF YEAR.

1894–1965
- MAXIMUM: 65,700 SECOND–FEET MARCH 2, 1938, BY COMPUTATION OF FLOW OVER SPILLWAY AT MORRIS DAM.
- MINIMUM: NO FLOW FOR SEVERAL MONTHS IN MOST YEARS.

REMARKS: RECORDS POOR. FLOW REGULATED BY FLOOD CONTROL DISTRICT'S SAN GABRIEL AND COGSWELL RESERVOIRS, AND BY MORRIS RESERVOIR OF METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA, AZUSA CANAL (FORMERLY POWER CANAL OF SOUTHERN CALIFORNIA EDISON COMPANY) DIVERTS ABOVE HIGH–WATER LINE OF MORRIS RESERVOIR AT A POINT ABOUT THREE MILES ABOVE STATION. THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA DISCHARGED 518 ACRE–FEET OF COLORADO RIVER WATER INTO SAN GABRIEL RIVER BELOW MORRIS DAM AND ABOVE STATION DURING WATER YEAR 1963–64 AND 654 ACRE–FEET IN WATER YEAR 1964–65.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY. 16 MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

NORMAL, UNREGULATED FLOW: COMBINED RUNOFF OF RIVER AND AZUSA CANAL. ADJUSTED FOR STORAGE AND EVAPORATION IN MORRIS, SAN GABRIEL AND COGSWELL RESERVOIRS, USING RECORDS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT. THESE FIGURES OF RUNOFF ARE EQUIVALENT TO COMBINED RECORDS OF SAN GABRIEL RIVER AND SOUTHERN CALIFORNIA EDISON COMPANY'S CANAL AS PUBLISHED FROM 1894 TO 1933.

MONTH	1963–64 A.F.	1964–65 A.F.
OCTOBER	964.	531.
NOVEMBER	2070.	1040.
DECEMBER	1690.	1660.
JANUARY	2590.	1860.
FEBRUARY	1770.	1470.
MARCH	2070.	1420.
APRIL	5580.	15340.
MAY	3400.	6810.
JUNE	1840.	3280.
JULY	942.	1590.
AUGUST	583.	974.
SEPTEMBER	504.	837.
TOTALS	24,000.	36,810.

74D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U8–R

Daily discharge, in second-feet of SAN GABRIEL RIVER below Morris Dam, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0.8	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	0.5	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	17	0
26	0	0	0	0	0	0	0	0	0	0	22	0
27	0	0	0	0	0	0	0	0	0	0	0.4	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	a 20
30	0	0	0	0		0	0	0	0	0	0	a 20
31	0		0	0		0		0		0	0	
	0		0		0		0		0		39.4	
		0		1.3		0		0		0		40
MEAN	0	0	0	0.04	0	0	0	0	0	0	1.27	1.33
ACRE-FEET	0	0	0	2.6	0	0	0	0	0	0	78.	79.

Remarks:

YEAR OR PERIOD — MEAN 0.22 — ACRE-FEET 160.

70D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U8-R

Daily discharge, in second-feet of SAN GABRIEL RIVER below Morris Dam, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	7.2	0	0	0	0	0	0	0	0	0	7.1
2	0	7.2	0	0	0	0	0	0	0	0	0	0
3	0	7.2	0	0	0	0	0	0	0	0	0	0
4	0	6.9	0	0	0	0	0	0	0	0	0	0
5	0	7.2	0	0	0	0	0	0	0	0	0	0
6	0	6.9	0	0	0	0	0	0	0	0	0	0.5
7	0	6.9	0	0	0	0	0	0	165	0	0	0
8	0	6.9	0	0	0	0	0	0	276	0	0	0
9	0	6.4	0	0	0	0	0.3	0	276	0	0	0
10	0	0.1	0	0	0	0	0.4	0	246	0	0	0
11	0	0	0	0	0	0	0	0	276	0	0	0
12	0	0	0	0	0	0	0	0	276	0	0	0
13	0	0	0	0	0	0	0	0	276	0	0	0
14	0	0	0	0	0	0	0	0	250	0	0	0
15	6.3	0	0	0	0	0	0	0	225	0	0	0
16	38	0	0	0	0	0	0	0	222	0	0	0
17	26	0	0	0	0	0	0	0	219	0	0	0
18	26	0	0	0	0	0	0	0	219	0	0	0
19	26	0	0	0	0	0	0	0	216	0	0	0
20	26	0	0	0	0	0	0	0	216	0	0	0
21	26	0	0	0	0	0	0	0	78	0	0	0
22	25	0	0	0	0	0	0	0	0.1	0	0	0
23	26	0	0	0	0	0	0	0	0	0	0	0
24	26	0	0	0	0	0	0	0	0	0	0	0
25	26	0	0	0	0	0	0	0	0	0	0	0
26	26	0	0	0	0	0	0	0	0	0	0	0
27	17	0	0	0	0	0	0	0	0	0	0	0
28	7.8	0	0	0	0	0	0	0	0	0	0	5.1
29	7.8	0	0	0		0	0	0	0	0	0	8.8
30	7.5	0	0	0		0	0	0	0	0	6.9	4.2
31	7.5		0	0		0		0		0	18	
	350.9	62.9	0	0	0	0	0.7	0	3,436.1	0	24.9	25.7
MEAN	11.3	2.10	0	0	0	0	0.02	0	115.	0	0.80	0.86
ACRE-FEET	696.	125.	0	0	0	0	1.4	0	6,820.	0	49.	51.

Remarks:

YEAR OR PERIOD MEAN 10.7
ACRE-FEET 981.

STATION S100A-R
SAN GABRIEL AZUSA-DUARTE TUNNEL DIVERSION
at Mouth of Canyon

LOCATION: LAT. 34°09'33", LONG. 117°54'25", AT WEIR BOX AT THE DOWNSTREAM PORTAL OF THE AZUSA-DUARTE TUNNEL 250 FEET SOUTH OF THE CANYON ROAD AT THE MOUTH OF SAN GABRIEL CANYON. ELEVATION OF GAGE ABOUT 750 FEET.

GENERAL: THIS STATION MEASURES ALL FLOW DIVERTED BY THE SAN GABRIEL RIVER WATER COMMITTEE AT THE MOUTH OF SAN GABRIEL CANYON.

CHANNEL AND CONTROL: CONCRETE WEIR BOX WITH BROAD-CRESTED WEIRS. THESE WEIRS CAN DIVIDE THE FLOW BETWEEN THE EAST SIDE SPREADING GROUNDS AND THE DUARTE SPREADING GROUNDS. EITHERSIDE CAN BE DIVERTED FOR IRRIGATION.

REGULATION: RIVER FLOW AT THE CANYON MOUTH IS PARTIALLY REGULATED BY MORRIS DAM, SAN GABRIEL DAM AND COGSWELL DAM. THE DIVISION OF THE DIVERTED FLOW CAN BE REGULATED AT THE WEIRS BY INSERTING CONSTRICTIONS.

RECORDS AVAILABLE: THE TUNNEL WAS CONSTRUCTED IN 1887. RECORDS OF DIVERSION SINCE 1918 ARE AVAILABLE AT THE OFFICE OF THE SAN GABRIEL RIVER WATER COMMITTEE, AZUSA. RECORDS PRIOR TO OCTOBER 1939 WERE PUBLISHED WITH STATION F100-R, MAIN SPREADING CANAL.

ACCURACY: EXCELLENT.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE SAN GABRIEL RIVER WATER COMMITTEE. RECORDS WERE FURNISHED BY MR. MAURICE D. JONES, WATER MASTER. THERE WAS NO DIVERSION DURING THE WATER YEAR 1963-64.

74D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. S100A-R

Daily discharge, in second-feet of SAN GABRIEL AZUSA-DUARTE TUNNEL DIVERSION at Mouth of Canyon for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	7.6	0	0	0	0	0	0	0	0	0	0
2	0	7.6	0	0	0	0	0	0	0	0	0	0
3	0	7.4	0	0	0	0	0	0	0	0	0	0
4	0	7.3	0	0	0	0	0	0	0	0	0	0
5	0	7.1	0	0	0	0	0	0	0	0	0	0
6	0	7.3	0	0	0	0	0	0	0	0	0	0
7	0	7.3	0	0	0	0	0	0	0	0	0	0
8	0	7.3	0	0	0	0	0	0	0	0	0	0
9	0	7.3	0	0	0	0	0	0	0	0	0	0
10	0	4.8	0	0	0	0	0	0	0	0	0	0
11	0	2.3	0	0	0	0	0	0	0	0	0	0
12	0	1.5	0	0	0	0	0	0	0	0	0	0
13	0	0.7	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	9.6	0	0	0	0	0	0	0	0	0	0	0
17	18.1	0	0	0	0	0	0	0	0	0	0	0
18	23.2	0	0	0	0	0	0	0	0	0	0	0
19	26.1	0	0	0	0	0	0	0	0	0	0	0
20	23.1	0	0	0	0	0	0	0	0	0	0	0
21	29.4	0	0	0	0	0	0	0	0	0	0	0
22	30.2	0	0	0	0	0	0	0	0	0	0	0
23	30.2	0	0	0	0	0	0	0	0	0	0	0
24	30.5	0	0	0	0	0	0	0	0	0	0	0
25	30.5	0	0	0	0	0	0	0	0	0	0	0
26	30.5	0	0	0	0	0	0	0	0	0	0	0
27	22.5	0	0	0	0	0	0	0	0	0	0	0
28	9.3	0	0	0	0	0	0	0	0	0	0	0
29	9.0	0	0	0		0	0	0	0	0	0	0
30	8.0	0	0	0		0	0	0	0	0	0	0
31	7.6		0	0		0		0		0	0	
	342.8	75.5	0	0	0	0	0	0	0	0	0	0
MEAN	11.1	2.52	0	0	0	0	0	0	0	0	0	0
ACRE-FEET	680.	150.	0	0	0	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 1.15
ACRE-FEET 830.

STATION F190-R
SAN GABRIEL RIVER at Foothill Boulevard

LOCATION: LAT. 34°08'13", LONG. 117°56'32", ON THE DOWNSTREAM SIDE OF FOOTHILL BOULEVARD BRIDGE TWO MILES WEST OF AZUSA. ELEVATION OF ZERO GAGE HEIGHT, 565.50 FEET.

DRAINAGE AREA: 230 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - TRAPEZOIDAL WITH GUNITED ROCK LEVEES AND NATURAL SAND, GRAVEL AND ROCK BOTTOM. BOTTOM WIDTH 590 FEET. DEPTH 12 FEET.
CONTROL - GUNITED ROCK STABILIZERS.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM CABLE CAR 900± FEET BELOW THE STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW PARTIALLY REGULATED BY COGSWELL DAM, SAN GABRIEL DAM AND MORRIS DAM.

DIVERSIONS: THERE ARE DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING.

RECORDS AVAILABLE: STREAM MEASUREMENTS STARTING FEBRUARY 22, 1932. RECORDER RECORDS FROM APRIL 25, 1932 TO SEPTEMBER 30, 1965. (FOR RECORDS PRIOR TO FEBRUARY 22, 1932, SEE STATE DIVISION OF WATER RIGHTS BULLETINS.)

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 56 SECOND-FEET JANUARY 22.
MINIMUM: NO FLOW PART OF YEAR.
1964-65
MAXIMUM: 881 SECOND-FEET, SEPTEMBER 6.
MINIMUM: NO FLOW MOST OF YEAR.
1932-65
MAXIMUM: 62,000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM: NO FLOW AT TIMES EACH YEAR.

ACCURACY: FAIR.

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

f4D74M Gb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F190-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Foothill Boulevard, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	6.8	0	0	0	0	0
2	0	0	0	0	0	0	1.7	0	0	0	0	0
3	0	0	0	0	0	0	2.0	0	0	0	0	0
4	0	0	0	0	0	0	1.4	0	0	0	0	0
5	0	0	0	0	0	0	0.9	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0.2	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	3.1	0	0	0	0	0	0	0	0
22	0	0	0	13	0	1.3	0	0	0	0	0	0
23	0	0	0	+	0	0.1	0	0	0	0	0	0
24	0	0	0	0	0	0.4	0	0	0	0	0	0
25	0	0	0	0	0	0.3	0	0	0	0	0	0
26	0	0	0	0	0	0.2	0	0	0	0	0	0
27	0	0	0	0	0	0.2	0	0	0	0	0	0
28	0	0	0	0.2	0	0.1	0	0	0	0	0	0
29	0	0	0	1.4	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	17.7	0.2	2.6	12.8	0	0	0	0	0
MEAN	0	0	0	0.57	0.01	0.08	0.43	0	0	0	0	0
ACRE-FEET	0	0	0	35.	0.4	5.2	25.	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.09
ACRE-FEET 66.0

f4D74M Gb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F190-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Foothill Boulevard, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	2.1	1.4	0	0	0	0
2	0	0	0	0	0	0	9.6	1.1	0	0	0	0
3	0	0	0	0	0	0	3.2	1.4	0	0	0	0
4	0	0	0	0	0	0	0.8	1.4	0	0	0	0
5	0	0	0	0	0	0	+	1.4	0	0	0	0
6	0	0	0	0	0	0	0	1.4	0	0	0	122
7	0	0	0	e +	0	0	0	1.4	69	0	0	0
8	0	0	0	0	0	0	26	1.4	261	0	0	0
9	0	+	0	0	0	0	57	1.4	274	0	0	0
10	0	0.2	0	0	0	0	57	1.1	253	0	0	0
11	0	a 0	0	0	0	0	18	1.4	293	0	0	0
12	0	0	0	0	0	0	9.1	2.0	287	0	0	0
13	0	0	0	0	0	0	5.0	2.3	287	0	0	0
14	0	0	0	a 0	0	0	0.7	2.3	274	0	0	0
15	0	0	0	0	0	0	0.7	2.3	261	0	0	0
16	0	a 0	0	0	0	0	0	2.3	255	0	0	0
17	0	a 0.2	0	0	0	0	0	2.3	249	0	0	0
18	0	0	0	0	0	0	0	2.3	249	0	0	0
19	0	0	0	0	0	0	0	2.3	249	0	0	0
20	0	0	0	0	0	0	0	2.3	243	0	0	0
21	0	0	0	a 0	0	0	0	2.6	127	0	0	0
22	0	0	0	0	0	0	0.1	2.6	4.7	0	0	0
23	0	0	a 0	0	0	0	0.8	2.6	0.4	0	0	0
24	0	0	0	0	0	0	0.8	3.0	0	0	0	0
25	0	0	0	0	0	0	0.6	1.7	0	0	0	0
26	0	0	a 0	0	0	0	0.9	0	0	0	0	0
27	0	0	b +	0	0	0	1.0	0	0	0	0	0
28	0	0	0	a 0	0	0	1.0	0	0	0	0	0
29	0	0	0	0		0	1.0	0	0	0	0	0
30	0	0	0	0		0	1.4	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	0.4	+	+	0	0	196.8	47.7	3636.1	0	0	122
MEAN	0	0.01	+	+	0	0	6.54	1.54	121.	0	0	4.1
ACRE-FEET	0	0.8	+	+	0	0	390.	95.	7,210.	0	0	242.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 11.0
ACRE-FEET 7,940.

STATION E281–R
SAN GABRIEL RIVER below Santa Fe Dam

LOCATION: LAT. 34°06'44", LONG. 117°58'07", ON THE LEFT BANK OF STILLING BASIN OUTLET OF SANTA FE DAM, 1.7 MILES NORTH OF BALDWIN PARK. ELEVATION OF GAGE 400.00 FEET.

DRAINAGE AREA: 236 SQUARE MILES. (REVISED) SPILLWAY FLOW FROM SANTA FE DAM WILL BE PASSED TO RIO HONDO.

CHANNEL AND CONTROL: CHANNEL – A STILLING BASIN LOCATED IN THE OUTLET CHANNEL IMMEDIATELY BELOW SANTA FE DAM. CONTROL – 194.64-FOOT CONCRETE OVERFLOW SECTION TO THE SAN GABRIEL RIVER AND FIVE GATED OPENINGS TO THE RIO HONDO DIVERSION CANAL. STATION E281–R RECORDS WATER SURFACE ELEVATION IN THE STILLING BASIN.

DISCHARGE MEASUREMENTS: LOW FLOW MEASUREMENTS MAY BE MADE ON LIP OF BASIN BELOW GAGE HEIGHT 2.5 FEET. HIGH FLOW MEASUREMENTS MAY BE MADE FROM CABLE CAR 1000 FEET BELOW GAGE.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW REGULATED BY SANTA FE DAM. INFLOW PARTIALLY REGULATED BY COGSWELL DAM, SAN GABRIEL DAM AND MORRIS DAM. GATES WERE INSTALLED DECEMBER 1948.

DIVERSION: THERE ARE DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING. DISCHARGES OVER THE SPILLWAY OF DAM FLOW TO THE RIO HONDO ARE NOT RECORDED AT THIS STATION. FIVE GATED OPENINGS ON THE WEST SIDE OF THE STILLING BASIN MAY DIVERT FLOW TO A DIVERSION CANAL TO THE RIO HONDO. SUCH DIVERSIONS ARE MEASURED AT STATION F280–R, SANTA FE CHANNEL.

RECORDS AVAILABLE: RECORDER RECORDS FEBRUARY 9, 1943 TO SEPTEMBER 30, 1965. FOR MEASUREMENTS PRIOR TO FEBRUARY 9, 1943, SEE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT STAFF GAGE STATION F247–S AT ARROW HIGHWAY.

EXTREMES OF DISCHARGE:
1963–64
NO FLOW ENTIRE SEASON.
1964–65
NO FLOW ENTIRE SEASON.
1942–65
MAXIMUM: 8000 SECOND-FEET (REVISED) JANUARY 3, 1943.
MINIMUM: NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

COOPERATION: RECORDS FURNISHED BY CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, AND THE UNITED STATES GEOLOGICAL SURVEY.

760714M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E281–R

Daily discharge, in second-feet of SAN GABRIEL RIVER below Santa Fe Dam, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.1	0.1	0.1	0.1	2.6	0.3	0.3	2.4	2.1	1.9	1.8
2	0.2	0.1	0.1	0.1	0.1	2.6	0.2	0.3	2.4	2.1	1.9	1.6
3	0.2	0.1	0.1	0.1	0.1	2.4	0.2	0.3	2.4	2.1	2.1	1.5
4	0.2	0.1	0.1	0.1	0.1	2.4	0.2	0.3	2.4	2.1	2.1	1.5
5	0.2	0.1	0.1	0.1	0.1	1.8	0.2	0.3	2.4	2.1	1.4	1.5
6	0.2	0.1	0.1	0.1	0.1	1.3	0.2	0.3	2.4	2.1	0.1	1.5
7	0.2	0.1	0.1	0.1	0.1	1.3	16	0.3	2.4	2.1	0.1	1.5
8	0.2	0.1	0.1	0.1	0.1	1.3	24	0.3	2.4	1.9	0.1	1.5
9	0.2	0.1	0.1	0.1	0.1	1.3	17	0.3	2.4	1.9	0.1	1.5
10	0.2	0.1	0.1	0.1	0.2	1.3	0.2	0.2	2.4	1.9	0.1	1.4
11	0.2	0.1	0.1	0.1	0.2	1.3	0.2	0.2	2.4	1.9	0.1	1.4
12	0.2	0.1	0.1	0.1	0.2	1.3	0.2	0.3	2.4	1.9	0.1	1.4
13	0.2	0.1	0.1	0.1	0.2	1.3	0.2	0.3	2.4	1.9	0.1	1.4
14	0.2	0.1	0.1	0.1	0.2	1.3	0.1	0.3	2.4	2.1	0.1	1.4
15	0.2	0.3	0.1	0.1	0.2	1.3	0.1	0.2	2.4	2.1	0.1	1.4
16	0.3	0.1	0.1	0.1	0.2	1.4	0.2	0.2	2.4	2.1	0.1	1.4
17	0.2	0.1	0.1	0.1	0.2	1.4	0.2	0.2	2.4	2.1	0.1	1.4
18	0.2	0.1	0.1	0.2	0.2	1.4	0.2	1.7	2.4	1.9	1.5	1.4
19	0.2	0.1	0.1	0.2	0.2	1.3	0.2	2.2	2.4	1.8	1.5	1.4
20	0.2	0.1	0.1	0.2	0.2	1.4	0.1	2.4	2.2	1.7	1.7	1.4
21	0.3	0.1	0.1	0.5	0.1	1.5	0.1	2.4	2.2	1.5	1.7	1.4
22	1.8	0.1	0.1	0.8	0.1	1.8	0.1	2.4	2.2	1.5	1.7	1.4
23	2.6	0.1	0.1	0.1	0.1	0.9	0.1	2.4	2.1	1.5	1.7	1.4
24	2.6	0.1	0.1	0.1	0.1	0.3	0.1	2.2	2.1	1.5	1.7	1.4
25	2.6	0.1	0.1	0.1	0.1	0.2	0.1	2.2	2.1	1.5	1.7	1.4
26	2.6	0.1	0.1	0.1	0.1	0.1	0.1	2.2	2.1	1.5	1.7	1.4
27	2.6	0.1	0.1	0.1	1.7	0.1	0.1	2.2	2.1	1.5	1.7	0.7
28	1.8	0.1	0.1	0.1	2.6	0.2	0.1	2.2	2.1	1.5	1.8	0.2
29	0.2	0.1	0.1	0.1	2.6	0.1	0.3	2.2	2.1	2.6	1.8	0.2
30	0.2	0.1	0.1	0.1		0.2	0.3	2.2	2.1	3.1	1.8	0.2
31	0.1		0.1	0.1		0.2		2.2		2.5	1.8	
	21.5	3.2	3.1	4.5	10.6	37.3	61.6	35.7	69.0	60.1	34.4	39.2
MEAN	0.69	0.11	0.10	0.15	0.37	1.20	2.05	1.15	2.30	1.94	1.11	1.31
ACRE-FEET	43.	6.3	6.1	8.9	21.	74.	122.	71.	137.	119.	68.	78.

Remarks:

YEAR OR PERIOD MEAN 1.04
ACRE-FEET 754.

STATION M335-R
SAN GABRIEL - MWD OUTLET
below San Bernardino Road

LOCATION: LAT. 34°04'34", LONG. 117°59'56", ON THE SAN GABRIEL RIVER OUTLET OF THE METROPOLITAN WATER DISTRICT MIDDLE FEEDER, NEAR THE LEFT (EAST) BANK OF THE SAN GABRIEL RIVER ABOUT 460 FEET SOUTH OF SAN BERNARDINO ROAD AND 350 FEET WEST OF RIVERGRADE ROAD.

CHANNEL AND CONTROL: A 73-INCH DIAMETER PIPE WITH 49.32-INCH DIAMETER ORIFICE PLATE.

DISCHARGE MEASUREMENTS: ALL FLOWS MEASURED BY ORIFICE METER WITH TOTALIZER BEGINNING DECEMBER 21, 1960.

RECORDER: A WEEKLY VENTURI RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

RECORDS AVAILABLE: AT STATION F335-R - FROM NOVEMBER 30, 1957 TO APRIL 13, 1960.
AT STATION M335-R - FROM DECEMBER 17, 1960 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 350 SECOND-FEET MARCH 12.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1964-65
MAXIMUM: 350 SECOND-FEET JUNE 15.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1957-65
MAXIMUM: 355 SECOND-FEET VARIOUS TIMES 1961.
MINIMUM: NO FLOW AT VARIOUS TIMES EACH YEAR.

ACCURACY: EXCELLENT.

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.

MONTHLY DISCHARGE IN ACRE-FEET:

MONTH	1963-64	1964-65
OCTOBER	11,820.	7,400.
NOVEMBER	10,930.	6,410.
DECEMBER	12,290.	4,320.
JANUARY	7,080.	5,390.
FEBRUARY	0	6,420.
MARCH	0	5,810.
APRIL	4,040.	2,320.
MAY	12,810.	6,270.
JUNE	0	4,050.
JULY	0	3,170.
AUGUST	0	0
SEPTEMBER	0	1,290.
TOTAL	58,970.	52,870.

STATION F261C-R
SAN GABRIEL RIVER
below Valley Boulevard

LOCATION: LAT. 34°03'13", LONG. 118°00'28", ON THE RIGHT (WEST) BANK 1150 FEET BELOW VALLEY BOULEVARD, TWO AND ONE HALF MILES EAST OF EL MONTE. ELEVATION OF ZERO GAGE HEIGHT 261.94 FEET.

DRAINAGE AREA: 118 SQUARE MILES. (EXCLUDES AREA ABOVE SANTA FE DAM.)

CHANNEL AND CONTROL: CHANNEL - TRAPEZOIDAL, NATURAL SAND AND GRAVEL BOTTOM WITH PLACED ROCK RIP-RAP SIDES. 450 FEET WIDE AT BOTTOM. 535 FEET WIDE AT TOP AND 17 FEET DEEP.
CONTROL - CONCRETE STABILIZER WITH 80-FOOT WIDTH AT NOTCH, 100 FEET BELOW STATION.

DISCHARGE MEASUREMENTS: ALL FLOWS MEASURED BY WADING.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW PARTIALLY REGULATED BY COGSWELL DAM, SAN GABRIEL DAM, MORRIS DAM, SANTA FE DAM, BIG DALTON DAM, PUDDINGSTONE DIVERSION DAM, PUDDINGSTOME DAM, LIVE OAK DAM, SEVERAL DEBRIS BASINS AND THE M.W.D. MIDDLE FEEDER OUTLET BELOW SAN BERNARDINO ROAD.

DIVERSION: THERE ARE SEVERAL DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING.

RECORDS AVAILABLE: NOVEMBER 29, 1960 TO SEPTEMBER 30, 1965. FOR RECORDS PRIOR TO NOVEMBER 29, 1960, SEE STATION F191-R AT SAN BERNARDINO ROAD AND AT GARVEY AVENUE OR STATIONS F261-R AT ELLIOTT AVENUE AND F261B-R AT VALLEY BOULEVARD.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 2500 SECOND-FEET ESTIMATED JANUARY 22.
MAXIMUM: NO FLOW AT VARIOUS TIMES.
1964-65
MAXIMUM: 5890 SECOND-FEET APRIL 9.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1960-65
MAXIMUM: NOT DETERMINED MARCH 2, 1938.
MAXIMUM: 9400 SECOND-FEET JANUARY 23, 1943. (STATION F261B-R)
MINIMUM: NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD FOR LOW FLOWS; FAIR FOR HIGH FLOWS.

OPERATION: LOCATED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT CONSTRUCTED BY THE UNITED STATES CORPS OF ENGINEERS.

F6D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F261C-R

Daily discharge, in second-feet of SAN GABRIEL RIVER below Valley Boulevard, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	263	169	180	0	0	83	206	0	0	0	0
2	0	272	155	180	0	0.7	0.2	200	0	0	0	0
3	0	266	148	180	0	+	0	189	0	0	0	0
4	0	256	142	180	0	0	0	186	0	0	0	0
5	0	244	140	177	0	0	0	189	0	0	0	0
6	0	154	142	177	0	0	0	189	0	0	0	0
7	108	+	148	172	0	0	0	186	0	0	0	0
8	250	69	148	166	0	0	0	180	0	0	0	0
9	263	172	161	161	0	0	0	177	13	0	0	0
10	259	172	169	161	0	0	0	183	0.2	0	0	0
11	259	166	164	164	0	0	0	183	0	0	0	0
12	259	164	166	161	0	+	0	192	0	0	0	0
13	259	183	166	161	0	+	0	192	0	0	0	0
14	253	165	169	164	0	+	0	186	0	0	0	0
15	256	116	172	169	0	0	0	186	0	0	0	0
16	191	61	174	172	0	0	0	192	0	0	0	0
17	155	155	180	174	0	0	0.6	200	0	0	0	0
18	155	158	186	74	0	0	0	203	0	0	0	0
19	158	116	186	3.6	0	0	8.6	197	0	1.2	0	0
20	158	358	183	0.2	0	0	0	194	0	0.5	0	0
21	161	4.7	174	201	0	0	0	192	0	0	0	0
22	164	88	183	255	0	92	74	200	0	0	0	0
23	169	212	189	0.1	0	85	166	200	0	0	0	0
24	104	212	186	0	0	4.4	186	197	0	0	0	0
25	75	206	186	0	0	+	180	200	0	0	0	0
26	180	186	186	0	0	0	177	200	0	0	0	0
27	180	166	183	0	0	0	189	112	0	0	0	0
28	234	166	183	0	0	0	211	+	0	0	0	0
29	276	166	183	0	+	0	203	0	0	0	0	0
30	266	166	183	0		0	206	0	0	0	0	0
31	259		180	0		13		0		0	0	
	5,051	5,082.7	5,284	3,432.9	+	195.1	1,684.4	5,111	13.2	1.7	0	0
MEAN	163.	169.	170.	111.	+	6.29	56.1	165.	0.44	0.05	0	0
ACRE-FEET	10,020.	10,080.	10,480.	6,810	+	387.	3,340.	10,140.	26.	3.4	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 70.6
ACRE-FEET 51,290.

F6D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F261C-R

Daily discharge, in second-feet of SAN GABRIEL RIVER below Valley Boulevard, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	77	209	200	177	127	192	386	145	169	153	0	0
2	203	203	200	172	6.6	212	152	145	166	142	0	0
3	186	222	200	63	0	209	125	156	172	142	0	0
4	192	225	200	53	0	192	28	161	66	142	0	0
5	177	218	200	169	0	150	0.8	180	0	145	0	0
6	164	215	200	172	21	105	0	183	0	148	0	0
7	153	212	61	105	8.9	20	6.2	169	0	148	0	2.7
8	150	212	0	109	84	44	322	155	0	148	0	+
9	174	216	0	194	116	132	792	155	0	161	0	0
10	192	172	0	194	138	148	36	153	0	177	0	0
11	209	85	0	194	135	132	2.3	150	0	174	0	0
12	206	190	62	192	138	2.1	0.1	148	0	177	0	0
13	222	172	192	192	138	40	0	153	0	180	0	0
14	240	215	177	192	138	0.2	0	158	0	180	0	0
15	240	209	180	192	138	16	0	158	0	65	0	85
16	225	192	183	192	138	48	0	155	0	0	0	257
17	218	188	180	192	140	169	0	155	60	11	0	271
18	222	49	138	186	145	174	0	161	192	0	0	225
19	218	187	0.5	177	150	141	75	161	172	0	0	46
20	191	209	36	174	150	158	150	161	183	0	0	230
21	158	203	53	174	148	150	155	161	180	0	0	271
22	187	200	169	114	148	148	161	164	180	0	0	264
23	240	203	166	125	153	148	161	164	180	0	0	246
24	240	203	172	32	166	140	164	164	183	0	0	228
25	231	203	172	68	174	132	164	164	183	0	0	228
26	237	203	172	166	174	128	164	158	183	0	0	203
27	243	200	216	169	177	128	161	158	183	0	0	197
28	238	200	16	169	180	128	150	155	183	0	0	200
29	233	200	55	169		128	150	158	172	0	0	209
30	215	200	174	169		100	150	161	161	22	0	96
31	212		180	156		118		164		+	0	
	6,293	5,815	3,954.5	4,801	3,231.5	3,732.3	3,655.4	4,933	2,968	2,315	0	3,258.7
MEAN	203.	194.	128.	155.	115.	120.	122.	159.	98.9	74.7	0	109.
ACRE-FEET	12,480.	11,530.	7,840.	9,520.	6,410.	7,400.	7,250.	9,780.	5,890.	4,590.	0	6,460.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 123.
ACRE-FEET 89,150.

STATION F314-R
SAN GABRIEL BY-PASS CHANNEL
above Whittier Narrows Dam

LOCATION: LAT. 34°01'47", LONG. 118°02'47", ON THE LEFT (EAST) BANK OF THE CHANNEL, 500 FEET BELOW DIVERSION HEADWORKS.

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

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

RECORDER: A WEEKLY RECORDER WAS IN SERVICE DURING PERIODS OF OPERATION.

REGULATION: FLOW REGULATED AT HEADWORKS. INSTALLED TO DIVERT PORTION OF ZONE 1 WATER TO SAN GABRIEL RIVER.

ACCURACY: GOOD.

REMARKS: USED ONLY FOR ZONE 1 PURCHASED WATER DIVERTED TO SAN GABRIEL SPREADING GROUNDS. THERE WAS NO DIVERSION DURING THE YEARS 1963-64 OR 1964-65.

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

STATION E322-R
SAN GABRIEL RIVER at Peck Road

LOCATION: LAT. 34°02'00", LONG. 118°02'14", ON THE DOWNSTREAM SIDE OF THE SAN GABRIEL RIVER PARKWAY (PECK ROAD) BRIDGE, 1.25 MILES NORTH OF WHITTIER NARROWS DAM AND 1.8 MILES SOUTH OF EL MONTE. ELEVATION OF ZERO GAGE HEIGHT ABOUT 220 FEET.

DRAINAGE AREA: 201 SQUARE MILES (EXCLUSIVE OF AREA ABOVE SANTA FE DAM).

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

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM THE PECK ROAD BRIDGE.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: SUBJECT TO THE SAME REGULATION AND DIVERSIONS WHICH AFFECT STATIONS F261C-R AND F312-R.

RECORDS AVAILABLE: OCTOBER 1955 TO SEPTEMBER 1957 AND OCTOBER 1963 TO SEPTEMBER 1965.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 3,120 SECOND-FEET JANUARY 22.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1964-65
MAXIMUM: 9,460 SECOND-FEET APRIL 9.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1955-65
MAXIMUM: 12,000 SECOND-FEET ESTIMATED JANUARY 26, 1956.
MINIMUM: NO FLOW AT TIMES EACH YEAR.

ACCURACY: GOOD.

OPERATION: LOCATED AND CONSTRUCTED BY THE UNITED STATES CORPS OF ENGINEERS, OPERATED BY THE UNITED STATES GEOLOGICAL SURVEY; RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E322-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Peck Road, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	271	160	170	3.0	3.6	180	186	0	0.3	0	0
2	0	285	150	170	2.7	29	8.3	182	0	0	0	0
3	0	271	150	166	2.4	4.7	3.6	178	0	0	0	0
4	0	264	138	170	2.7	3.9	2.4	178	0	0	0	0
5	0	250	138	170	2.7	3.0	2.2	182	0	0	0	0
6	0	164	142	170	2.7	2.7	1.9	182	0	0	0	0
7	170	10	142	170	2.2	2.7	2.0	182	0	0	0	0
8	220	50	142	166	2.7	2.4	1.0	174	0	0	0	0
9	250	170	154	162	2.2	2.4	1.5	174	15	0	0	0
10	238	170	162	162	2.4	2.4	1.5	174	1.3	0	0	0
11	208	170	162	162	2.7	2.7	1.3	174	0.9	0	0	0
12	220	170	158	166	3.3	7.2	1.2	178	0	0	0	0
13	232	170	158	166	3.0	12	1.3	182	0.4	0	0	0
14	238	170	158	170	3.0	4.3	1.3	182	0.8	0	0	0
15	257	100	158	174	3.0	3.0	1.1	182	0.9	0	0	0
16	226	80	162	178	2.7	2.7	1.4	186	0.9	0	0	0
17	182	160	166	182	2.4	2.4	1.9	190	0.8	0	0	0
18	208	160	170	107	2.4	2.7	0.8	190	0.6	0	0	0
19	160	130	170	15	2.4	2.4	2.9	186	0.8	0	0	0
20	160	882	170	6.1	2.7	1.9	2.2	186	0.8	0	0	0
21	160	80	166	332	2.2	1.7	2.4	178	0.5	0	0	0
22	160	80	166	417	2.7	221	51	182	0.4	0	0	0
23	160	180	170	6.6	1.3	147	170	182	0.6	0	0	0
24	100	180	170	3.6	1.5	18	178	182	0.8	0	0	0
25	60	180	170	1.9	1.9	4.3	182	186	0.6	0	0	0
26	160	170	170	2.7	3.0	2.4	182	186	0.4	0	0	0
27	180	160	170	2.7	3.3	1.5	186	100	0.5	0	0	0
28	232	160	170	2.7	3.3	0.9	220	0	0.6	0	0	0
29	271	160	170	2.7	6.1	1.3	208	0.1	0.3	0	0	0
30	271	160	170	2.7		0.6	190	0	0.5	0	0	0
31	264		170	3.0		8.4		0		0	0	
	4,987	5,607	4,972	3,779.7	78.6	505.2	1,789.2	4,824.1	28.4	0.3	0	0
MEAN	161.	187.	160.	122.	2.71	16.3	59.6	156.	0.95	0.01	0	0
ACRE-FEET	9,890.	11,120.	9,860.	7,500.	156.	1,000.	3,550.	9,570.	56.	0.6	0	0

Remarks:

YEAR OR PERIOD MEAN 72.6
ACRE-FEET 52,700.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E322-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Peck Road, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	29	190	186	174	141	170	946	135	168	135	0	0
2	162	178	186	178	27	186	376	135	168	122	0	0
3	162	196	186	86	14	186	373	152	174	127	0	0
4	162	208	186	22	15	174	67	174	69	127	0	0
5	154	202	190	160	15	142	8.0	184	0	122	0	0
6	138	202	196	170	80	112	4.5	190	0	122	0	0
7	130	202	88	170	24	53	9.0	179	0	122	0	0
8	130	196	10	170	89	47	899	162	0	122	0	0
9	150	240	8.9	170	122	118	1,520	162	0	131	0	0
10	162	227	8.9	170	146	130	144	162	0	162	0	0
11	178	78	10	170	142	126	14	157	0	168	0	0
12	170	187	50	170	142	19	9.0	152	0	168	0	0
13	182	154	182	174	142	103	9.0	157	0	174	0	0
14	202	196	178	178	146	16	5.0	157	0	179	0	0
15	202	196	178	182	146	64	3.0	162	0	69	0	73
16	190	185	182	182	146	45	2.4	162	0	0	0	266
17	186	286	182	182	146	150	2.1	162	50	3.6	0	290
18	186	55	152	174	150	154	1.5	162	179	0	0	291
19	186	170	16	170	154	129	63	162	157	0	0	102
20	170	182	98	170	154	146	146	162	157	0	0	264
21	139	182	63	170	154	146	152	169	157	0	0	314
22	154	186	182	120	154	146	157	169	157	0	0	290
23	202	186	174	139	162	142	157	169	157	0	0	250
24	196	186	178	97	170	138	157	174	157	0	0	244
25	186	186	178	72	174	134	162	179	157	0	0	244
26	190	186	178	166	174	126	162	174	157	0	0	214
27	196	186	344	170	170	122	152	168	157	0	0	202
28	190	186	46	170	166	122	140	169	157	0	0	202
29	201	186	45	170		122	140	162	157	0	0	209
30	202	186	174	170		101	140	162	140	13	0	91
31	196		174	162		256		169		0.4	0	
	5,282	5,586	4,209.8	4,827	3,465	3,825	6,125.5	5,089	2,675	2,057.0	0	3,545
MEAN	170.	186.	136.	156.	124.	123.	204.	164.	89.2	66.7	0	118.
ACRE-FEET	10,480.	11,080.	8,350.	9,570.	6,870.	7,590.	12,150.	10,090.	5,310.	4,100	0	7,030.

Remarks:

YEAR OR PERIOD MEAN 128.
ACRE-FEET 92,620.

STATION F263B–R
SAN GABRIEL RIVER at Beverly Boulevard

LOCATION: LAT. 34°00'23", LONG. 118°04'05", ON THE DOWNSTREAM SIDE OF THE BEVERLY BOULEVARD BRIDGE, 0.8 MILE NORTHEAST OF PICO. ELEVATION OF ZERO GAGE HEIGHT, 172.50 FEET.

DRAINAGE AREA: 206.5 SQUARE MILES (EXCLUSIVE OF DRAINAGE AREA ABOVE SANTA FE DAM).

CHANNEL AND CONTROL: CHANNEL – SAND AND SILT. NO CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM CABLE CAR 600 FEET BELOW STATION.

RECORDER: A CONTINUOUS RECORDER IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW PARTIALLY REGULATED BY COGSWELL DAM, SAN GABRIEL DAM, MORRIS DAM, SANTA FE DAM, BIG DALTON DAM, BIG AND LITTLE DALTON DEBRIS DAMS, PUDDINGSTONE DIVERSION DAM, PUDDINGSTONE DAM, LIVE OAK DAM, THOMPSON CREEK DAM, WHITTIER NARROWS DAM AND THE M.W.D. MIDDLE FEEDER OUTLET.

DIVERSIONS: THERE ARE SEVERAL DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING.

RECORDS AVAILABLE: FEBRUARY 4, 1937 TO SEPTEMBER 30, 1965. (FOR RECORDS PRIOR TO FEBRUARY 4, 1937, SEE STATION F63–R, SAN GABRIEL RIVER AT WHITTIER BOULEVARD, IN PREVIOUS REPORTS. FOR RECORDS PRIOR TO 1929, SEE STATE DIVISION OF WATER RIGHTS BULLETINS V AND VI.)

REMARKS: M.W.D. WATER WAS DELIVERED TO SAN GABRIEL AND RIO HONDO SPREADING BASINS. 38,900 ACRE–FEET IS INCLUDED IN THIS RECORD DURING 1963–64 AND 65,760 ACRE–FEET DURING 1964–65. IN ADDITION, THERE IS 1,843 ACRE–FEET AND 4,690 ACRE–FEET, RESPECTIVELY, OF RECLAIMED WATER FROM THE WHITTIER NARROWS TREATMENT PLANT. THIS IS FOREIGN WATER.

EXTREMES OF DISCHARGE:
1963–64
MAXIMUM: 3,380 SECOND–FEET JANUARY 22.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1964–65
MAXIMUM: 5590 SECOND–FEET APRIL 9.
MINIMUM: NO FLOW PART OF YEAR.
1936–65
MAXIMUM: 22,000 SECOND–FEET ESTIMATED MARCH 2, 1938.
MINIMUM: NO FLOW AT VARIOUS TIMES. (FOR EARLIER YEARS SEE STATION F63–R.)

ACCURACY: FAIR.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

76D74M Gth 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F263B–R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Beverly Boulevard, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	v 225	v 128	141	0	0	181	171	3.3	7.2	9.0	0
2	0	235	v 126	141	0	18	2.7	159	12	4.2	8.6	0.3
3	0	230	v 110	133	0	0	0	v 150	12	0	8.6	7.6
4	0	215	113	141	0	0	0	155	12	0	8.6	7.9
5	0	v 205	106	152	0	0	0	160	11	0	3.5	9.0
6	0	150	106	159	0	0	0	160	11	0	0	9.9
7	18	4.4	110	156	0	0	0	155	11	0	0.3	9.9
8	175	22	106	159	0	0	0	150	12	0	7.6	9.4
9	v 200	v 145	113	152	0	0	0	145	21	0	8.3	9.4
10	200	145	137	156	0	0	0	147	12	0	9.0	9.9
11	200	140	137	156	0	0	0	152	11	0	9.4	10
12	200	130	126	144	0	0	0	155	11	0	9.4	9.4
13	200	145	123	130	0	0.5	0	155	11	0	3.4	7.6
14	200	v 140	130	141	0	0	0	150	11	0	8.6	10
15	v 200	154	133	144	0	0	0	145	11	0	9.4	4.2
16	164	29	133	133	0	0	0	150	11	0	8.6	2.0
17	119	v 135	137	144	0	0	0	150	10	0	8.6	0
18	152	v 135	144	85	0	0	0	150	11	0	9.0	3.1
19	v 122	132	v 145	b 2.5	0	0	0	150	10	0	7.2	8.6
20	128	881	145	0	0	0	0	155	10	0	6.6	9.0
21	129	65	145	366	0	0	0	155	10	0	7.6	b 9.0
22	129	26	145	530	0	227	16	155	9.9	0	8.3	b 9.0
23	126	v 150	145	3.8	0	236	130	155	9.4	0	7.6	b 9.0
24	v 95	155	145	+	0	31	148	160	9.4	0	8.3	9.0
25	19	155	145	0	0	0	144	160	9.0	0	9.0	9.9
26	v 125	149	145	0	0	0	141	v 160	8.6	0	5.1	9.9
27	127	121	145	0	0	0	152	109	8.6	0	0	10
28	165	120	145	0	0	0	167	2.0	8.6	0.5	0	11
29	225	125	v 140	0	0	0	167	0	8.6	7.6	0	11
30	224	v 126	137	0		0	171	0	8.6	8.3	0	12
31	v 223		137	0		0		0		8.3	0	
	3,865	4,789.4	4,082	3,469.3	0	512.5	1,419.7	4,120.0	315.0	36.1	195.6	237.0
MEAN	125.	160.	132.	112.	0	16.5	47.3	133.	10.5	1.16	6.31	7.90
ACRE-FEET	7,670.	9,500.	8,100	6,880.	0	1,020.	2,820.	8,170.	625.	72.	388.	470.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 63.0
ACRE-FEET 45,700.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F263B-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Beverly Boulevard, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	16	171	163	156	98	144	1,100	106	116	b 115	14	0
2	141	156	163	144	16	163	317	99	112	102	4.6	0
3	144	182	159	77	0	152	337	117	122	102	13	1.1
4	144	190	171	14	0	141	60	136	61	102	14	15
5	137	171	175	152	0	82	0.9	143	0	99	16	18
6	119	163	175	163	47	55	b +	146	0	99	20	16
7	106	156	72	152	5.0	16	0.6	136	0	96	20	17
8	100	156	7.6	60	49	16	803	129	0	93	17	21
9	119	200	6.5	159	90	90	1,410	119	0	106	16	19
10	152	194	0	159	130	96	302	109	5.1	136	13	20
11	167	38	0	159	113	113	b 4.1	109	14	136	7.6	20
12	163	139	8.3	167	106	2.5	2.0	109	14	139	7.6	19
13	172	86	148	163	110	75	0.8	109	14	146	6.0	18
14	182	156	133	156	119	0	+	112	13	150	10	21
15	182	148	141	148	113	49	0	116	12	77	10	48
16	186	144	137	152	116	11	0	119	7.7	b 18	9.9	250
17	175	273	152	152	106	113	0	122	16	b 18	11	286
18	163	11	131	144	110	130	0	125	136	b 18	13	289
19	163	118	7.2	126	110	97	17	129	132	v 18	13	68
20	137	156	63	123	106	113	106	122	143	v 18	13	188
21	87	156	20	116	110	93	119	116	150	v 18	15	268
22	113	152	137	72	116	93	132	116	146	v 12	15	238
23	179	163	119	105	119	93	139	119	136	0	15	209
24	190	159	133	65	133	106	139	112	136	0	14	197
25	175	148	123	30	137	96	139	116	132	0	16	193
26	186	141	123	137	137	85	129	116	136	0	16	161
27	194	137	438	133	137	82	119	116	139	3.2	9.7	150
28	182	137	60	126	130	82	99	116	136	14	0	154
29	e 197	144	29	130		85	106	119	b 136	16	0	172
30	175	159	141	119		81	109	119	b 105	33	0	72
31	167		144	113		230		119		13	0	
	4,713	4,504	3,479.6	3,872	2,563	2,784.5	5,690.4	3,696	2,269.8	1,897.2	349.4	3,148.1
MEAN	152.	150.	112.	125.	91.5	87.6	190.	119.	75.7	61.2	11.3	105.
ACRE-FEET	9,350.	8,930.	6,900.	7,680.	5,080.	5,390.	11,290.	7,330.	4,500.	3,760.	693.	6,240.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 107.
ACRE-FEET 77,270.

STATION F262-R
SAN GABRIEL RIVER at Florence Avenue

LOCATION: LAT. 33°56'19", LONG. 118°05'57", ON THE DOWNSTREAM SIDE OF THE FLORENCE AVENUE (FORMERLY EASY STREET) BRIDGE, ABOUT TWO MILES EAST OF DOWNEY. ELEVATION OF ZERO GAGE HEIGHT, 102.01 FEET.

DRAINAGE AREA: 216.2 SQUARE MILES (CORRECTED, 1961) (EXCLUSIVE OF AREA ABOVE SANTA FE DAM).

CHANNEL AND CONTROL: SHIFTING SAND BOTTOM - TRAPEZOIDAL CHANNEL WITH BLACK-TOPPED EARTHEN LEVEES. NO ARTIFICIAL CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: SUBJECT TO THE SAME REGULATIONS AS STATION F263B-R, SAN GABRIEL RIVER AT BEVERLY BOULEVARD PLUS THE OPERATION OF THE SAN GABRIEL COASTAL SPREADING GROUNDS.

DIVERSIONS: THERE ARE SEVERAL DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING. VARIABLE QUANTITIES OF IRRIGATION WASTE RETURNS ARE RECORDED AT STATION.

RECORDS AVAILABLE: FEBRUARY 27, 1937 TO MARCH 22, 1949. RECORDER RECORD LOST FROM AUGUST 19, 1938 TO NOVEMBER 23, 1938 DUE TO THEFT OF RECORDER. FOR EARLIER RECORDS SEE STATION F237-R, SAN GABRIEL RIVER AT TELEGRAPH ROAD. RECORDER OUT MARCH 22, 1949 TO JANUARY 26, 1951. AVAILABLE FROM JANUARY 26, 1951 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 4330 SECOND-FEET NOVEMBER 20.
MINIMUM: NO FLOW MOST OF YEAR.
1964-65
MAXIMUM: 4900 SECOND-FEET APRIL 9.
MINIMUM: NO FLOW MOST OF YEAR.
1937-65
MAXIMUM: NOT DETERMINED MARCH 2, 1938.
MAXIMUM: DISCHARGE OF RECORD, 15,950 SECOND-FEET FEBRUARY 22, 1944.
MINIMUM: NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

OPERATION: LOCATED AND CONSTRUCTED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT AND OPERATED IN COOPERATION WITH THE SAN GABRIEL VALLEY PROTECTIVE ASSOCIATION.

FADT4M C(b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F262-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Florence Avenue, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	58	0	0	0	0	0
2	0	e 0.1	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	1.5	0	+	0	0	0	0	0	0	0	0
7	0	1.7	0	1.4	0	0	0	0	0	0	0	0
8	0	0	0	1.5	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	3.5	0	0	0	0	0	0	0	0	0	0
11	0	+	0	0	0	0	0	0	0	0	0	0
12	e 0.2	0	0	0	0	0	0	0	0	0	0	0
13	e 0.2	0	0	0	0	0	0	0	0	0	0	0
14	e 0.2	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	e 0.3	0	0	0	0	0	0	0	0	0	0	0
18	13	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	707	0	0	0	0	0	0	0	0	0	0
21	0	102	0	192	0	0	0	0	0	0	0	0
22	0	0	0	511	0	63	0	0	0	0	0	0
23	0	0	0	0.2	0	71	0	0	0	0	0	0
24	0	0	0	0	0	16	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	e 0.5	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0				0		0	0	
	14.4	815.8	0	706.1	0	150	58	0	0	0	0	0
MEAN	0.46	26.3	0	22.8	0	4.84	1.93	0	0	0	0	0
ACRE-FEET	29.0	1,620.	0	1,400.	0	298.	115.	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 4.77
ACRE-FEET 3,460.

FADT4M C(b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F262-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Florence Avenue, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	1,010	0	0	0	0	0
2	0	0	0	0	0	0	286	0	0	0	0	0
3	0	0	0	0	0	0	321	0	0	0	0	0
4	0	0	0	0	0	2.3	92	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	2.7	0	0	0	0
7	0	0	0	6.6	0	0	0	0	0	0	0	0
8	0	0	0	+	0	0	573	0	0	0	0	0
9	0	0.6	0	0	0	0	1,210	0	0	0	0	0
10	0	+	0	0	0	0	444	0	0	0	0	0
11	0	0	0	0	0	+	0	0	0	0	0	0
12	0	0	0	0	0	+	0	0	0	0	0	0
13	0	0	0	0	0	2.8	0	0	0	0	0	0
14	0	2.6	0	0	0	+	0	0	0	0	0	0
15	0	8.5	0	0	0	0.6	0	0	0	0	0	0
16	0	0.6	0	0	0	0	0	0	0	0	0	0
17	0	129	0	0	0	0	0	0	0	0	0	0
18	0	3.8	11	0	0	0	0	0	0	0	0	0
19	0	0	0.5	0	0	0	0	0	0	0	0	0
20	0	0	3.0	0	0	0	0	0	0	0	0	0
21	0	0	0	1.0	0	0	0	0	0	0	0	0
22	0	0	0	16	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	1.0	0	0	0	0	0	0	0	0	0	0
27	0	0.7	317	0	0	0	0	0	0	0	0	0
28	0	0.1	0.8	0	0	0	0	0.9	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		96		0		0	0	
	0	146.9	332.3	23.6	+	101.7	3,936	3.6	0	0	0	0
MEAN	0	4.90	10.7	0.76	+	3.28	131.	0.12	0	0	0	0
ACRE-FEET	0	291.	659.	47.	+	202.	7,800.	7.1	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 12.4
ACRE-FEET 9,010.

STATION F42B–R
SAN GABRIEL RIVER above Spring Street

LOCATION: LAT. 33°48'43", LONG. 118°05'25", ON THE RIGHT (WEST) BANK 455 FEET NORTH OF SPRING STREET, ABOUT FOUR MILES EAST OF SIGNAL HILL NEAR LONG BEACH. ELEVATION OF ZERO GAGE HEIGHT, 11.87 FEET.

DRAINAGE AREA: 231.0 SQUARE MILES (EXCLUSIVE OF AREA ABOVE SANTA FE DAM).

CHANNEL AND CONTROL: CHANNEL – TRAPEZOIDAL CONCRETE, 145 FEET AND 79 FEET WIDE BY 15.5 FEET DEEP WITH A LOW FLOW CHANNEL 26 FEET AND 9 FEET WIDE BY TWO FEET DEEP ALONG THE RIGHT BANK. CHANNEL FORMS THE CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO MAY 26, 1964 AT STATION F42–R AND A SERVO–MANOMETER DRIVEN CONTINUOUS RECORDER WAS IN SERVICE FROM NOVEMBER 16, 1964 TO SEPTEMBER 30, 1965 AT STATION F42B–R.

REGULATION: SUBJECT TO THE SAME REGULATION AS STATION F269B–R, SAN GABRIEL RIVER AT BEVERLY BOULEVARD, PLUS THE OPERATION OF THE SAN GABRIEL COASTAL SPREADING GROUNDS.

DIVERSIONS: THERE ARE SEVERAL DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING.

RECORDS AVAILABLE: AT STATION F42–R, FEBRUARY 6, 1928 TO MAY 4, 1951 AND APRIL 9, 1952 TO MAY 26, 1964. AT STATION F42B–R, NOVEMBER 16, 1954 TO SEPTEMBER 30, 1965. FOR RECORDS PRIOR TO FEBRUARY 1928, SEE STATE DIVISION OF WATER RIGHTS BULLETINS.

EXTREMES OF DISCHARGE:
1963–64
MAXIMUM: 2570 SECOND–FEET JANUARY 22.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1964–65
MAXIMUM: 4540 SECOND–FEET APRIL 9.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1927–65
MAXIMUM: 27,000 SECOND–FEET ESTIMATED MARCH 2, 1938.
MINIMUM: NO FLOW PART OF EACH YEAR.

OPERATION: LOCATED AND CONSTRUCTED BY THE CORPS OF ENGINEERS; OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

7ADT4M Cdb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F42–R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Spring Street – Long Beach, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	a 0	0	0	0	16	0	0	0	0	0
2	0	0	0	0	0	0	0.1	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	a 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	3.9	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	+	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	4.7	0	0	0	0	0	0	0	0	0	0
16	0	0.2	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	1.7	0	0	0	0	0	0	0	0	0	0
19	0	1.1	0	0	0	0	+	0	0	0	0	0
20	0	751	0	0	0	0	0	0	0	0	0	0
21	0	117	0	155	0	0	0	0	0	0	0	0
22	0	0.6	0	383	0	0.6	0	0	0	0	0	0
23	0	0	0	b 0	0	145	0	0	0	0	0	0
24	0	0	0	0	0	11	0	0	0	0	0	0
25	0	0	0	0	0	+	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	a 0	0	0	0	0	0	0	0	0	0	0
29	0	a 0	0	0	0	0	0	0	0	0	0	0
30	0	a 0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0		
	0	880.2	0	538	0	156.6	16.1	E 0	E 0	E 0	E 0	E 0
MEAN	0	29.3	0	17.4	0	5.05	0.54	E 0	E 0	E 0	E 0	E 0
ACRE-FEET	0	1,750.	0	1,070.	0	311.	32.	E 0	E 0	E 0	E 0	E 0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 4.35 INC.
ACRE-FEET 3,160. INC.

7507M C(b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F42B-R

Daily discharge, in second-feet of SAN GABRIEL RIVER above Spring Street, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		e 0	0	0	0	0	959	0	0	0	0	0
2			0	0	0	0	144	0	0	0	0	0
3			0	0	0	0	410	0	0	0	0	0
4			0	0	0	0	95	0	0	0	0	0
5			0	0	0.1	0	0.1	0	0	0	0	0
6			0	0	0.3	0	+	0	0	0	0	0
7			0	1.0	0	0	0	0	0	0	0	0
8		0	0	+	0	0	657	0	0	0	0	0
9		16.0	0	0	0	0	1,070	0	0	0	0	0
10		8.0	0	0	0	0	581	0	0	0	0	0
11		0	0	0	0	0	22	0	0	0	0	0
12			0	0	0	0	2.7	0	0	0	0.2	0
13			0	0	0	12.1	2.3	0	0	0	0	0
14			0	0	0	+	1.4	0	0	0	0	0
15			0	0	0	12.4	0.5	0	0	0	0	0
16		e 0	0	0	0	+	0.7	0	0	0	0	0
17		75	0	0	0	0	0.7	0	0	0	0	0
18		16.0	0	0	0	0	0	0	0	0	0	0
19		0	0.1	0	0	0	0	0	0	0	0	0
20		0	8.7	0	0	0	0	0	0	0	0	0
21		0	0.8	0	0	0	0	0	0	0	0	0
22		0	0	0	0	0	0	0	0	0	0	0
23		0	0	0	0	0	0	0	0	0	0	0
24		0	0	0.7	0	0	0	0	0	0	0	0
25		0	0	0	0	0	0	0	0	0	0	0
26		0	0	0	0	0	0	0	0	0	0	0
27		0	232	0	0	0	0	0	0	0	0	0
28		0	13.6	0	0	0	0	0	0	0	0	0
29		0	0.9	0		0	0	0	0	0	0	0
30		0	0	0		0	0	0	0	0	0	0
31			0	0		74		0		0	0	
			256.1		0.4		3,946.4		0		0.2	
		E 115.0		1.7		98.5		0		0		0
MEAN		E 0	8.26	0.05	0.02	3.18	132.	0	0	0	0.01	0
ACRE-FEET		E 0	508.	3.4	0.8	195.	7,830.	0	0	0	0.4	0

RECORDER INSTALLED 11-15-64

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 12.1
ACRE-FEET 8,770.

STATION F312-R
SAN JOSE CHANNEL above Workman Mill Road

LOCATION: LAT. 34°01'55", LONG. 118°00'40", ON THE RIGHT (NORTH) BANK, 1650 FEET ABOVE THE WORKMAN MILL ROAD BRIDGE. ELEVATION OF ZERO GAGE HEIGHT, 248.52 FEET.

DRAINAGE AREA: 83.4 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL – TRAPEZOIDAL WITH EARTHEN BOTTOM AND GROUTED SLOPES. 147.5 FEET BOTTOM WIDTH AND 225.0 FEET TOP WIDTH. BANKS ARE 2.3 TO 1.0 SLOPE. THERE IS A ROCK STABILIZER BELOW THE STATION.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS ARE MEASURED FROM A CABLE CAR 25 FEET ABOVE STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: PARTIALLY REGULATED BY THOMPSON CREEK DAM AND THE POMONA SEWAGE TREATMENT PLANT, SEE " REMARKS".

DIVERSIONS: THERE CAN BE DIVERSION TO THOMPSON CREEK SPREADING GROUNDS. PREVIOUS DIVERSION OF THE FIRST 200 SECOND-FEET TO SAN JOSE CREEK WAS DISCONTINUED BEGINNING 1964-65.

RECORDS AVAILABLE: SEPTEMBER 13, 1955 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 1250 SECOND-FEET JANUARY 22.
MINIMUM: PLUS FLOW AT VARIOUS TIMES.
1964-65
MAXIMUM: 4540 SECOND-FEET APRIL 9.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1955-65
MAXIMUM: 5180 SECOND-FEET JANUARY 26, 1956.
MINIMUM: NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

REMARKS: POMONA SEWER PLANT RELEASES SOME FLOW TO SAN JOSE CREEK ABOVE SPADRA AND ALSO AT LEMON STREET NEAR CITY OF INDUSTRY.

OPERATION: LOCATED AND CONSTRUCTED BY THE CORPS OF ENGINEERS. OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

78D74M C4b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F312-R

Daily discharge, in second-feet of SAN JOSE CHANNEL above Workman Mill Road, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.9	0.4	4.1	5.0	4.4	2.4	145	3.4	1.5	1.6	+	+
2	1.8	1.2	4.2	6.4	4.1	17	5.3	3.4	1.2	1.5	+	+
3	0.7	1.6	4.6	5.5	3.6	4.2	4.2	3.4	1.1	1.3	0.1	e 0.2
4	0.4	1.9	4.7	5.3	3.8	3.6	4.2	3.2	a 1.1	1.1	0.1	e 0.1
5	1.4	2.3	5.0	5.0	3.5	3.0	4.1	2.8	1.1	1.4	0.1	+
6	+	43	5.0	5.3	3.5	3.2	4.1	2.6	1.1	0.9	e 0.1	+
7	+	4.4	4.7	6.4	3.1	3.4	4.1	2.5	1.2	0.6	+	+
8	1.0	1.8	4.6	6.1	3.6	3.5	4.4	2.5	4.0	0.3	e 0.1	e 0.2
9	1.2	2.1	4.6	5.3	3.6	3.6	4.4	2.6	15	+	+	+
10	0.3	2.1	4.6	5.3	3.8	4.0	4.0	2.9	4.5	+	+	+
11	0.5	0.7	4.4	5.0	4.1	4.1	3.5	2.9	a 4.0	+	e 0.2	e 0.1
12	b 0.4	0.4	4.4	4.7	4.4	5.8	3.4	2.9	2.9	0.2	e 0.1	+
13	b 0.3	0.9	4.6	4.1	4.1	7.7	3.2	2.8	3.2	0.2	+	+
14	0.2	2.1	3.6	4.2	4.1	3.4	3.1	3.0	3.4	0.2	+	e 0.2
15	0.3	38	4.2	4.4	4.2	3.0	2.9	3.0	3.1	0.1	+	e 0.1
16	13	6.9	4.7	3.6	4.4	2.8	2.8	b 2.8	2.8	0.1	+	+
17	6.5	4.6	5.5	4.1	4.4	2.6	3.0	2.6	2.6	+	e 0.2	e 0.1
18	31	3.2	4.6	5.5	4.6	2.8	2.6	2.4	2.3	0.1	+	e 0.1
19	3.8	6.7	4.7	b 4.0	4.7	2.6	3.5	2.2	2.3	+	+	+
20	3.8	483	4.7	b 4.0	4.6	2.5	3.5	b 1.9	2.3	+	+	+
21	3.5	24	4.4	148	4.1	2.4	3.8	1.6	2.3	+	+	e 0.2
22	2.6	5.3	4.1	285	4.0	193	4.0	1.7	1.9	+	e 0.1	+
23	1.8	4.0	3.6	9.2	3.4	107	4.1	1.8	2.2	0.2	+	e 0.2
24	1.8	3.6	3.8	7.2	3.2	21	4.2	2.1	2.2	0.2	+	+
25	0.9	3.5	3.8	5.8	3.1	5.8	4.4	2.5	2.1	0.1	e 0.1	e 0.2
26	1.8	3.1	3.5	6.1	3.4	4.0	4.4	3.1	2.0	+	+	+
27	1.8	3.1	4.0	5.8	2.9	4.0	4.6	2.9	1.9	0.1	+	+
28	0.4	3.2	3.8	5.3	2.9	3.8	9.5	3.0	1.8	0.1	e 0.1	e 0.2
29	0.9	3.2	4.1	5.0	3.5	3.6	5.8	2.9	1.9	0.1	+	e 0.2
30	1.0	3.6	4.2	5.0		3.5	4.2	2.3	1.8	0.1	+	+
31	0.4		4.6	4.7		14		1.5		0.1	e 0.1	
	85.4	663.9	135.4	587.3	111.1	447.3	264.3	81.2	80.8	10.6	1.4	2.1
MEAN	2.75	22.1	4.37	18.9	3.83	14.4	8.81	2.62	2.69	0.34	0.04	0.07
ACRE-FEET	169.	1,320.	269.	1,160.	220.	887.	524.	161.	160.	21.	2.8	4.2

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 6.77
ACRE-FEET 4,900.

78D74M C4b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F312-R

Daily discharge, in second-feet of SAN JOSE CHANNEL above Workman Mill Road, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	b 0.1	4.4	4.2	5.0	4.0	513	5.0	4.5	2.3	2.6	2.2
2	+	b 0.1	4.2	4.1	5.8	3.8	223	4.7	4.7	2.3	2.2	2.3
3	+	b 0.1	4.1	4.1	5.0	3.6	143	4.7	4.5	3.4	1.9	3.1
4	+	b 0.1	4.1	4.1	5.0	3.6	40	4.7	4.5	3.4	1.9	2.8
5	0.2	0.2	4.1	4.1	5.3	3.6	b 10	4.7	4.2	3.6	1.9	2.1
6	0.1	0.2	4.1	4.1	48	4.2	b 10	5.0	4.2	3.4	2.2	3.1
7	+	0.2	4.0	37	4.7	26	b 12	4.7	4.2	3.9	2.2	2.1
8	+	0	3.9	5.3	4.4	7.5	479	4.7	4.2	3.9	2.1	1.9
9	0.2	36	3.9	4.7	4.2	5.5	1080	4.5	3.9	3.6	1.9	2.2
10	0.1	51	3.8	4.6	4.4	4.7	120	4.5	3.9	3.6	1.9	2.3
11	0.1	9.9	4.0	4.6	4.4	5.8	13	4.2	3.9	3.1	2.6	1.9
12	0.1	5.3	4.0	5.0	4.4	12	9.6	4.2	4.2	3.1	1.9	2.1
13	0.2	4.4	3.8	5.0	4.4	72	8.6	4.5	3.4	2.3	1.7	2.1
14	0.1	4.2	4.4	5.0	4.2	4.7	7.4	4.2	3.4	3.1	1.8	2.1
15	+	4.4	4.6	5.3	4.2	50	6.6	4.5	3.6	3.1	1.7	2.2
16	0.2	4.4	4.7	5.3	4.2	4.7	7.0	4.2	3.9	3.1	1.7	2.8
17	0.1	101	5.3	5.0	4.0	4.6	6.2	4.2	3.9	2.8	1.6	4.5
18	+	6.1	6.1	4.7	3.8	4.6	6.6	4.5	3.4	2.3	1.5	218
19	0.2	1.0	6.1	4.7	4.0	4.6	6.2	4.2	3.6	2.2	1.6	73
20	+	0.4	50	5.0	4.0	4.6	6.2	3.9	3.4	2.2	1.6	5.4
21	0.1	4.6	8.4	4.7	4.1	4.6	6.6	3.9	3.4	2.1	1.8	4.2
22	+	4.6	4.7	5.0	4.2	4.6	7.0	3.9	3.1	2.8	1.8	3.9
23	0.2	4.6	4.7	5.0	4.2	4.6	7.0	4.2	3.1	2.8	1.9	3.9
24	0.1	4.7	5.0	44	4.2	4.6	6.2	4.5	2.8	2.1	1.8	4.2
25	0.1	5.5	4.7	4.4	4.2	4.6	6.2	4.5	3.4	2.6	1.9	4.5
26	0	5.5	4.4	4.6	4.2	4.4	6.2	5.0	3.1	2.6	1.9	4.2
27	+	5.5	196	4.6	4.0	4.4	5.8	4.7	2.8	2.1	2.1	4.2
28	+	3.1	42	4.7	4.1	4.4	5.4	4.5	2.6	2.1	2.1	4.7
29	0.1	4.4	6.4	4.6		4.6	5.4	4.5	2.3	1.9	2.1	4.7
30	b 0.1	4.6	4.2	4.6		4.6	5.0	4.5	2.1	20	2.1	4.2
31	b 0.1		4.1	4.6		180		4.2		2.6	2.3	
	2.4	276.2	413.0	216.7	166.6	459.5	2768.2	138.2	108.2	104.4	60.3	380.9
MEAN	0.08	9.21	13.5	6.99	5.95	14.8	92.3	4.46	3.61	3.35	1.94	12.7
ACRE-FEET	4.8	548.	829.	430.	330.	911.	5,490.	274.	214.	206.	120.	756.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 14.0
ACRE-FEET 10,110.

STATION F48–R
SAN JOSE CREEK at Workman Mill Road

LOCATION: LAT. 34°01'24", LONG. 118°02'05", ON THE DOWNSTREAM SIDE OF WORKMAN MILL ROAD BRIDGE, ABOUT THREE MILES NORTH OF WHITTIER. THIS STATION IS NEAR THE LOCATION OF THE STATION OPERATED FROM 1923 TO 1929 BY THE STATE DIVISION OF WATER RIGHTS. ELEVATION OF ZERO GAGE HEIGHT 213.46 FEET. (GAGE LOWERED 1.39 FEET SEPTEMBER 16, 1952.)

DRAINAGE AREA: CONTROLLED BY DIVERSION TO SAN JOSE CHANNEL.

CHANNEL AND CONTROL: CHANNEL – CLAY, SAND AND GRAVEL. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO DECEMBER 9, 1964. DISCONTINUED. SEE STATION F357–R, SAN JOSE CREEK AT MISSION MILL ROAD.

REGULATION: FLOW PARTIALLY REGULATED BY THOMPSON CREEK DAM.

DIVERSIONS: SMALL DIVERSION FOR SPREADING (SEE STATION F276–R). SAN JOSE CHANNEL DIVERTS ALL STORM FLOWS EXCEPT APPROXIMATELY THE FIRST 200 CFS.

RECORDS AVAILABLE: JANUARY 2, 1929 TO DECEMBER 9, 1964. (FOR RECORDS PRIOR TO JANUARY 2, 1929, SEE STATE DIVISION OF WATER RIGHTS BULLETINS.)

REMARKS: DIVERSION UPSTREAM, CONSTRUCTED IN 1955. DESIGNED FOR ALL FLOW OVER 200 SECOND–FEET TO GO INTO SAN JOSE CHANNEL. IT IS NECESSARY TO COMBINE RECORDS OF STATIONS F48–R AND F312–R, SAN JOSE CHANNEL, AFTER OCTOBER 1, 1955, TO ARRIVE AT FLOW CONDITIONS FROM OCTOBER 1, 1955 TO DECEMBER 9, 1964.

EXTREMES OF DISCHARGE:
1963–64
MAXIMUM: 40 SECOND–FEET NOVEMBER 20.
MINIMUM: PLUS FLOW AT VARIOUS TIMES.
1964–65
INCOMPLETE. SEE STATION F357–R, SAN JOSE CREEK AT MISSION MILL ROAD.
1928–65
MAXIMUM: 13,100 SECOND–FEET JANUARY 1, 1934.
MINIMUM: NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD FOR LOW FLOWS.

REMARKS: POMONA SEWER PLANT RELEASES SOME FLOW TO SAN JOSE CREEK ABOVE SPADRA AND AT LEMON STREET NEAR CITY OF INDUSTRY.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

FSD74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F48–R

Daily discharge, in second-feet of SAN JOSE CREEK at Workman Mill Road, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.2	+	+	+	0.1	6.5	0.1	0.5	0.4	3.4	3.2
2	0.5	0.2	0.6			0.1	2.8	0.2	0.4	0.4	3.2	3.4
3	0.7	0.2	5.4			0.1	1.7	0.2	0.3	0.4	3.0	3.2
4	0.5	0.2	0.2			0.1	1.5	0.2	0.2	0.4	2.3	3.1
5	0.3	0.2	0.1			0.1	1.3	0.1	0.3	0.2	1.8	3.1
6	0.2	0.5	0.1			0.2	1.1	0.1	0.3	0.5	1.5	3.0
7	0.3	0.2	+			0.2	0.9	0.1	0.3	1.8	1.5	2.6
8	0.3	0.1				0.2	0.8	0.1	0.4	2.1	1.8	2.2
9	0.2	0.1				0.1	0.5	0.2	0.4	2.1	1.8	2.1
10	0.5	0.1				0.1	0.4	0.1	0.4	2.2	1.9	2.1
11	0.8	0.1				0.1	0.4	0.1	0.4	2.2	a 2.0	2.4
12	1.0	0.1	+			0.1	0.3	+	0.4	2.2	a 2.1	2.8
13	1.0	b 0.1	0.4			0.1	0.3	0.1	0.4	2.4	2.1	2.7
14	1.0	0.1	+			0.1	0.3	0.1	0.4	2.9	2.2	2.5
15	0.9	0.1	+			0.1	0.3	+	0.4	3.2	2.4	2.7
16	1.0	0.1	0.2			0.1	0.2	0.2	0.4	3.5	2.5	2.7
17	0.8	0.1	+			+	0.1	0.2	0.5	3.1	2.5	2.7
18	1.3	0.1				+	0.1	0.2	0.5	2.8	2.4	2.7
19	b 1.2	0.1				+	0.2	0.2	0.5	3.0	2.2	3.1
20	1.0	15				0.1	0.2	0.3	0.5	3.1	2.2	3.4
21	0.8	1.8		2.3		0.7	0.2	0.3	0.4	2.8	2.3	3.5
22	0.6	0.8		11	+	1.3	b 0.1	0.4	0.3	2.6	2.4	3.5
23	b 0.4	0.4		2.1	0.1	5.5	0.1	0.3	0.3	2.6	2.9	3.1
24	0.4	b 0.4		1.0	0.1	5.7	0.1	0.4	0.2	2.8	3.2	3.0
25	0.2	b 0.2		0.5	0.1	1.8	0.1	0.4	0.3	2.5	3.2	2.8
26	0.1	b 0.1		b 0.5	0.1	1.6	0.1	0.4	0.3	2.7	3.2	3.0
27	b 0.1	0.1		b 0.4	0.1	1.5	0.1	0.4	0.4	3.1	3.2	2.9
28	0.1	0.1		b 0.3	0.1	1.4	0.1	0.6	0.4	3.1	3.1	2.9
29	0.1	e 0.1		b 0.2	0.1	1.1	0.1	0.7	0.4	2.9	3.2	3.0
30	b 0.1	e 0.1		0.1		1.0	0.2	0.6	0.4	2.7	3.4	3.2
31	0.1		+	e +		1.0		0.6		2.9	3.1	
	16.7	22.0	7.0	19.4	0.7	24.6	21.1	7.9	11.3	69.6	78.0	86.6
MEAN	0.54	0.73	0.23	0.59	0.02	0.79	0.70	0.25	0.38	2.25	2.52	2.89
ACRE-FEET	33.	44.	14.	36.	1.4	49.	42.	16.	22.	138.	155.	172.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.00
ACRE-FEET 722.

76D74M C(b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F48--R

Daily discharge, in second-feet of SAN JOSE CREEK at Workman Mill Road, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.2	3.5	b 0.1									
2	3.2	3.1	0.1									
3	3.2	3.1	0.1									
4	3.0	3.1	0.1									
5	3.0	3.1	0.1									
6	3.1	3.4	0.1									
7	3.0	3.6	0.1									
8	3.0	3.6	0.1									
9	2.6	3.4	b 0.1									
10	2.4	b 0.9										
11	2.2	b 0.6										
12	b 2.2	0.3										
13	2.3	0.3										
14	2.3	0.3										
15	b 2.4	b 0.2										
16	2.5	b 0.1										
17	2.7	0.4										
18	2.5	0.3										
19	2.3	0.2										
20	2.3	0.1										
21	2.1	b 0.1										
22	2.2	0.2										
23	2.8	0.2										
24	2.8	0.2										
25	2.9	0.2										
26	2.9	0.2										
27	2.8	0.2										
28	2.6	0.2										
29	2.8	0.2										
30	5.0	b 0.2										
31	4.2											
	86.5	35.5	0.9									
MEAN	2.79	1.18	INC.									
ACRE-FEET	172.	70.	INC.									

RECORDER REMOVED 12/9/64

Remarks:

YEAR OR PERIOD MEAN INC.
ACRE-FEET 242. INC.

STATION F357–R
SAN JOSE CREEK at Mission Mill Road

LOCATION: LAT. 34°01'08", LONG. 118°02'53", ON THE LEFT (EAST) SIDE OF THE CHANNEL 60 FEET UPSTREAM FROM MISSION MILL ROAD PRODUCED WEST, ABOUT TWO MILES NORTHEAST OF PICO RIVERA. ELEVATION OF GAGE 196.54 FEET.

DRAINAGE AREA: 1.6 SQUARE MILES (EXCLUDING AREA ABOVE SAN JOSE CREEK DIVERSION CHANNEL).

CHANNEL AND CONTROL: A TRAPEZOIDAL CONCRETE CHANNEL 37 FEET X 25 FEET X 6 FEET DEEP. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM HIGHWAY BRIDGE ABOUT 200 FEET UPSTREAM.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM DECEMBER 9, 1964 TO SEPTEMBER 30, 1965.

REGULATION AND DIVERSIONS: SAN JOSE CREEK DIVERSION CHANNEL DIVERTS ALL FLOW FROM SAN JOSE CREEK AT A POINT TWO AND ONE HALF MILES UPSTREAM. THERE ARE NO DIVERSIONS BELOW THAT POINT.

RECORDS AVAILABLE: DECEMBER 9, 1964 TO SEPTEMBER 30, 1965. (FOR RECORDS FROM JANUARY 2, 1929 TO DECEMBER 9, 1964, SEE STATION F48–R, SAN JOSE CREEK AT WORKMAN MILL ROAD. RECORDS PRIOR TO 1929 APPEAR IN STATE DIVISION OF WATER RIGHTS BULLETINS.)

REMARKS: THE RECORDS OF STATION F357–R WHEN COMBINED WITH F312–R ARE APPROXIMATELY EQUIVALENT TO THOSE FOR STATION F48–R PRIOR TO 1956.

EXTREMES OF DISCHARGE:
1964–65
MAXIMUM: 66 SECOND–FEET APRIL 9.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1928–65
MAXIMUM: 13,100 SECOND–FEET JANUARY 1, 1934 (AT STATION F48–R.)
MINIMUM: NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

REMARKS: PRIOR TO OCTOBER 1, 1955 ALL FLOWS FROM SAN JOSE CREEK PASSED STATION F48–R. AT THAT TIME A DIVERSION WAS CREATED ALLOWING ONLY THOSE FLOWS UNDER 200 CFS TO FOLLOW THE OLD ROUTE. BEGINNING WITH 1964–65 THE DIVERSION WAS ALTERED SO THAT NO WATER FROM SAN JOSE CREEK BY–PASSES AND ALL FLOW FROM ABOVE THAT POINT IS MEASURED AT STATION F312–R.

OPERATION: LOCATED, CONSTRUCTED, AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F357-R

Daily discharge, in second-feet of SAN JOSE CREEK above Mission Mill Road, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				b 0.1	0.1	+	3.4	0.1	0.2	0.1	0.3	0.4
2				0.1	0.1		1.6	0.1	0.2	0.1	0.3	0.2
3				0.1	0.1		1.3	+	0.2	0.1	0.3	0.2
4				+	+		0.3	+	0.1	0.1	0.3	0.2
5				0.1	+	+	0.2	0.1	0.1	0.1	0.3	0.1
6				0.1	0.3	0.1	0.2	0.1	+	0.1	0.3	0.2
7				+	+	0.1	0.2	+		0.2	0.3	0.2
8				0.1		+	4.4	+		0.2	0.3	0.2
9				0.1		+	9.9	0		0.2	0.3	0.2
10				0.1		+	4.5	+		0.2	0.3	0.2
11				0.1		0.2	2.0	+	+	+	0.3	0.2
12				0.1		0.2	1.1	0.1	0.1	0.1	0.3	0.2
13				0		0.3	0.4	0.2	0.2	+	0.3	0.2
14			+	0	+	0.1	0.3	0.1	0.1	0	0.2	0.2
15				0	0.1	0.2	0.2	0.1	0.2	+	0.2	0.1
16				0.1	0.1	+	0.2	+	0.2	0.1	+	0.1
17				0.1	0.1	+	0.2	+	0.2	0.2	+	0.1
18			+	0.1	0.1	0	0.2	0	0.1	0.2	0.1	0.2
19			0.3	0.1	0.1	0	0.2	0	0.1	0.3	0.1	+
20			0.9	0.1	+	0	0.2	+	0.1	0.2	0.1	
21			0.1	0.1	+	0	0.2	0.1	0.1	0.2	0.1	
22			0.1	0.1	0.1	0	0.1	0.2	0.1	0.2	0.2	
23			+	b 0.1	0.1	0	+	0.2	+	0.1	0.2	
24				0.4	0.1	0		0.2	+	0.2	0.2	+
25				b 0.1	0.1	0		0.2	+	0.2	0.3	0.2
26			+	b 0.1	0.1	0	+	0.2	0.1	0.2	0.4	0.2
27			2.2	b 0.1	0.1	+	0.2	0.2	0.1	0.2	0.6	0.2
28			0.3	0.2	+		0.1	0.2	0.1	0.2	0.6	0.2
29			+	+			0.1	0.2	+	0.2	0.4	0.2
30			b +	0.1		+	0.2	0.2	+	0.2	0.4	0.2
31			b +	0.1		0.4		0.3		0.2	0.4	
			3.9	2.9	1.7	1.6	30.9	3.1	2.6	4.6	9.4	4.6
MEAN			INC.	0.09	0.06	0.05	1.03	0.10	0.09	0.15	0.27	0.15
ACRE-FEET			E 9.7	5.8	3.4	3.2	61.	6.1	5.2	9.1	17.	9.1

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN INC.
ACRE-FEET 130. INC.

STATION U4–R
SANTA ANITA CREEK above Santa Anita Dam

LOCATION: LAT. 34°11'30", LONG. 118°00'59", ON THE RIGHT BANK, AT HEAD OF HERMIT FALLS, 0.9 MILE UPSTREAM FROM BIG SANTA ANITA DAM AND THREE MILES NORTHEAST OF SIERRA MADRE. ALTITUOE OF GAGE 1475.3 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 9.71 SQUARE MILES. (REVISED)

RECORDS AVAILABLE: JULY 1916 TO SEPTEMBER 1965.

AVERAGE DISCHARGE: 49 YEARS, 5.46 SECOND–FEET.

EXTREMES OF DISCHARGE:

1963–64
MAXIMUM: 64 SECOND–FEET APRIL 1. (GAGE HEIGHT 1.94 FEET)
MINIMUM: DAILY 0.2 SECOND–FOOT SEVERAL DAYS.

1964–65
MAXIMUM: 134 SECOND–FEET APRIL 9. (GAGE HEIGHT 2.59 FEET)
MINIMUM: DAILY 0.2 SECOND–FOOT OCTOBER 6, 7.

1916–65
MAXIMUM: ABOUT 5200 SECOND–FEET MARCH 2, 1938. BASED ON INFLOW TO BIG SANTA ANITA RESERVOIR.
MINIMUM: PRACTICALLY NO FLOW AUGUST 18 TO SEPTEMBER 14, 1929.

REMARKS: RECORDS GOOD. NO DIVERSIONS ABOVE STATION.

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

FSD74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U4-R

Daily discharge, in second-feet of SANTA ANITA CREEK above Santa Anita Dam, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0	1.0	1.2	1.1	1.8	1.4	37	2.1	1.4	0.8	0.5	0.5
2	1.1	1.0	1.2	1.1	1.6	1.8	12	1.9	1.4	0.8	0.4	0.4
3	1.0	1.0	1.2	1.1	1.7	1.4	6.7	1.8	1.4	0.7	0.4	0.4
4	1.1	0.9	1.2	1.2	1.7	1.3	4.7	1.9	1.4	0.8	0.4	0.4
5	1.0	0.9	1.2	1.2	1.7	1.2	3.7	1.9	1.4	0.7	0.4	0.3
6	1.0	1.6	1.3	1.2	1.6	1.2	3.4	2.2	1.4	0.8	0.4	0.4
7	1.0	1.3	1.2	1.2	1.6	1.2	3.1	1.9	1.5	0.7	0.4	0.4
8	1.0	1.1	1.2	1.1	1.4	1.2	2.8	1.8	1.8	0.7	0.3	0.3
9	1.0	1.0	1.3	1.1	1.4	1.2	2.7	1.6	1.9	0.7	0.3	0.4
10	1.0	0.9	1.3	1.0	1.4	1.4	2.4	1.5	1.7	0.7	0.3	0.4
11	1.1	0.9	1.2	1.0	1.5	1.3	2.2	1.5	1.6	0.6	0.4	0.3
12	1.0	0.8	1.2	1.0	1.4	1.6	2.2	1.5	1.5	0.6	0.4	0.2
13	1.0	0.8	1.2	1.0	1.3	1.6	2.0	1.5	1.4	0.6	0.4	0.3
14	1.0	0.9	1.2	1.1	1.3	1.4	1.9	1.6	1.3	0.6	0.4	0.4
15	1.0	2.2	1.2	1.4	1.3	1.4	1.8	1.5	1.3	0.6	0.4	0.4
16	1.8	1.7	1.2	1.3	1.2	1.8	1.8	1.5	1.4	0.6	0.3	0.3
17	1.5	1.3	1.2	1.2	1.4	2.2	1.8	1.5	1.4	0.6	0.3	0.4
18	1.3	1.1	1.2	1.2	1.3	2.2	1.9	1.6	1.3	0.6	0.2	0.4
19	1.3	1.1	1.2	1.3	1.3	2.4	2.4	1.6	1.3	0.5	0.3	0.4
20	1.3	5.6	1.2	1.3	1.3	2.4	2.1	1.5	1.3	0.5	0.3	0.3
21	1.2	2.6	1.2	12	1.3	2.5	2.0	1.5	1.3	0.5	0.2	0.4
22	1.2	1.9	1.2	16	1.3	5.7	1.9	1.5	1.2	0.5	0.2	0.3
23	1.2	1.7	1.2	5.0	1.2	6.7	2.0	1.6	1.1	0.5	0.2	0.3
24	1.1	1.6	1.2	3.7	1.3	5.3	1.8	1.5	1.1	0.5	0.2	0.3
25	1.1	1.5	1.2	3.0	1.3	3.9	1.7	1.6	0.9	0.5	0.2	0.3
26	1.0	1.4	1.2	2.7	1.3	3.5	1.7	1.6	0.9	0.4	0.2	0.3
27	1.0	1.4	1.2	2.5	1.2	3.2	1.8	1.6	0.9	0.4	0.3	0.4
28	1.0	1.3	1.2	2.4	1.2	3.0	2.3	1.5	0.8	0.4	0.3	0.4
29	1.0	1.3	1.1	2.3	1.4	2.8	2.2	1.5	0.9	0.4	0.3	0.3
30	1.0	1.2	1.1	2.1		2.7	2.1	1.5	0.8	0.5	0.3	0.4
31	1.0		1.1	1.9		3.8		1.4		0.5	0.5	
	34.3	43.0	37.2	76.7	40.7	74.7	118.1	50.7	39.0	18.3	10.1	10.7
MEAN	1.11	1.43	1.20	2.47	1.40	2.41	3.94	1.64	1.30	0.59	0.33	0.36
ACRE-FEET	68.	85.	74.	152.	81.	148.	234.	101.	77.	36.	20.	21.

Remarks:

YEAR OR PERIOD MEAN 1.51
ACRE-FEET 1,100.

FSD74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U4-R

Daily discharge, in second-feet of SANTA ANITA CREEK above Santa Anita Dam, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.5	0.8	2.4	1.1	0.8	36	4.9	2.2	1.4	1.0	0.7
2	0.3	0.5	0.8	2.1	1.1	0.9	49	4.8	2.3	1.3	0.9	0.7
3	0.3	0.5	0.8	1.9	1.0	0.9	26	4.7	2.3	1.3	0.9	0.7
4	0.3	0.4	0.8	1.7	1.0	0.9	23	4.6	2.2	1.2	0.9	0.6
5	0.3	0.4	0.8	1.6	1.2	0.9	14	4.5	2.1	1.2	0.9	0.9
6	0.2	0.4	0.8	1.3	3.4	0.9	11	4.4	2.2	1.3	0.8	1.8
7	0.2	0.4	0.8	4.0	2.5	1.0	8.3	4.2	2.2	1.3	0.8	1.4
8	0.3	0.4	0.8	2.4	1.8	1.0	31	4.0	2.2	1.3	0.7	1.1
9	0.3	2.7	0.8	1.8	1.6	1.0	53	3.8	2.1	1.3	0.7	0.9
10	0.3	2.6	0.8	1.6	1.4	1.0	50	3.7	2.0	1.3	0.7	0.8
11	0.3	2.0	0.8	1.5	1.4	1.0	28	3.6	2.0	1.3	0.7	0.8
12	0.3	1.5	0.8	1.4	1.3	1.1	18	3.4	1.9	1.3	0.9	0.7
13	0.3	1.2	0.8	1.3	1.2	1.6	16	3.4	2.1	1.3	0.8	0.7
14	0.4	1.1	0.7	1.2	1.2	1.3	13	3.4	2.1	1.2	0.8	0.7
15	0.4	0.9	0.7	1.3	1.2	1.5	12	3.2	2.1	1.2	0.9	0.7
16	0.4	0.8	0.8	1.2	1.0	1.4	12	2.9	2.2	1.2	0.9	0.7
17	0.4	2.3	0.7	1.2	1.0	1.3	13	2.8	2.2	2.2	0.9	0.9
18	0.4	1.6	0.8	1.1	1.0	1.2	13	2.8	2.1	1.4	0.9	1.2
19	0.3	1.3	1.1	1.1	1.0	1.1	12	2.7	1.8	1.3	0.9	1.2
20	0.3	1.1	5.2	1.2	0.9	1.0	11	2.7	1.8	1.2	0.8	1.0
21	0.3	1.0	3.9	1.2	0.9	1.0	10	2.7	1.7	1.2	0.8	0.8
22	0.3	0.9	2.5	1.2	0.9	1.0	8.9	2.7	1.8	1.2	0.8	0.7
23	0.4	0.9	1.9	1.1	0.9	1.0	8.3	2.6	1.8	1.1	0.8	0.7
24	0.4	0.8	1.7	1.6	0.8	0.9	7.6	2.8	1.8	1.1	0.8	0.7
25	0.4	0.8	1.6	1.3	0.8	1.0	7.1	2.6	1.7	1.1	0.8	0.7
26	0.4	0.8	1.5	1.3	0.8	1.0	6.9	2.5	1.7	1.1	0.7	0.8
27	0.4	0.8	7.6	1.2	0.8	0.9	5.9	2.3	1.6	1.0	0.7	0.8
28	0.4	0.8	6.0	1.1	0.8	0.9	5.5	2.1	1.5	1.0	0.7	0.8
29	0.7	0.7	3.9	1.1		0.9	5.2	2.1	1.4	0.9	0.7	0.7
30	0.5	0.8	3.1	1.1		0.8	5.0	2.2	1.4	1.2	0.7	0.7
31	0.4		2.7	1.1		2.0		2.2		1.1	0.7	
	10.9	30.9	56.8	46.6	34.0	33.2	519.7	101.3	58.5	38.5	25.0	25.6
MEAN	0.35	1.03	1.83	1.50	1.21	1.07	17.3	3.27	1.95	1.24	0.81	0.85
ACRE-FEET	22.	61.	113.	92.	67.	66.	1,030.	201.	116.	76.	50.	51.

Remarks:

YEAR OR PERIOD MEAN 2.69
ACRE-FEET 1,940.

STATION F119C-R
SANTA ANITA CREEK below Santa Anita Dam

LOCATION: LAT. 34°10'57", LONG. 118°01'07", ON THE RIGHT (WEST) WALL OF THE FLUME ABOUT 600 FEET BELOW SANTA ANITA DAM. SPILLWAY DISCHARGES FROM THE MAIN SPILLWAY PASS AROUND STATION. ELEVATION OF ZERO GAGE HEIGHT 1094.0 FEET.

DRAINAGE AREA: 10.8 SQUARE MILES.

CHANNEL AND CONTROL: SAN DIMAS-TYPE FLUME 8 FEET WIDE × 8 FEET DEEP WITH A 26-FOOT-WIDE × 8-FOOT-DEEP HIGH FLOW SLAB.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED FROM A FOOTBRIDGE AT THE STATION. NO FACILITIES FOR MEASURING FLOWS OVER 849 SECOND-FEET.

RECORDER: A CONTINUOUS RECORDER AND ELECTRICAL REPEATER WERE IN SERVICE FROM JANUARY 13, 1964 TO SEPTEMBER 30, 1965.

REGULATION: FLOW ENTIRELY REGULATED BY SANTA ANITA DAM.

DIVERSIONS: NONE.

RECORDS AVAILABLE: FEBRUARY 6, 1948 TO SEPTEMBER 30, 1965. EARLIER RECORDS ARE AVAILABLE FROM DAM OUTFLOW RECORDS AND STATIONS F119-R AND F119B-R. PERIODS WHEN RECORDER NOT OPERATING COMPUTED FROM DAM RECORDS.

EXTREMES OF DISCHARGE:

1963-64
- MAXIMUM: 289 SECOND-FEET FEBRUARY 11.
- MINIMUM: PLUS FLOW PART OF YEAR.

1964-65
- MAXIMUM: 289 SECOND-FEET APRIL 16.
- MINIMUM: NO FLOW VARIOUS TIMES.

1948-65
- MAXIMUM: 1350 SECOND-FEET FEBRUARY 11, 1962, AT STATION F119B-R.
  5070 SECOND-FEET MARCH 2, 1938, AT STATION F119-R.
- MINIMUM: NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

REMARKS: DISCHARGE FOR PART OF THIS PERIOD FROM STREAM MEASUREMENTS AND OPERATION RECORDS AT SANTA ANITA DAM.

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

F8D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F119C-R

Daily discharge, in second-feet of SANTA ANITA CREEK below Santa Anita Dam, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e 1.1	e 0.1	e 0.1	e 0.1	0.1	0.04	0.9	0.04	e 3.4	0.04	0.4	e 0.6
2	1.2	0.1	0.1	0.1	0.1	0.1	0.1	0.04	3.4	0.04	0.4	0.6
3	1.2	0.1	0.1	0.1	0.1	0.04	0.04	0.04	3.4	0.04	0.4	0.6
4	1.2	0.1	0.1	0.1	0.1	0.04	0.04	25	3.3	0.04	0.4	0.6
5	1.2	0.1	0.1	0.1	0.04	0.04	0.04	31	3.4	0.04	0.4	0.6
6	1.2	0.1	0.1	0.1	0.04	0.04	22	11.5	3.4	0.04	0.4	0.6
7	1.2	0.1	0.1	0.1	0.04	0.04	31	3.6	3.4	0.04	e 0.7	0.6
8	1.2	0.1	0.1	0.1	0.04	0.04	31	4.6	3.4	0.04	0.7	0.6
9	1.2	0.1	0.1	0.1	0.04	30	29	4.1	3.4	0.04	0.7	0.5
10	1.2	0.1	0.1	0.1	0.04	28	21	2.5	3.4	0.04	0.7	0.5
11	0.1	0.1	0.1	0.1	0.04	0.04	0.04	3.1	e 3.3	0.04	0.7	0.5
12	0.1	0.1	0.1	e 0.1	0.04	0.1	0.04	2.5	1.8	0.04	0.7	0.5
13	0.1	0.1	0.1	0.1	0.04	0.04	0.04	2.5	e 1.0	0.04	0.7	0.5
14	0.1	0.1	0.1	0.1	0.04	0.04	0.04	2.0	1.0	0.04	0.7	0.5
15	0.1	0.1	0.1	31	0.04	0.04	0.04	1.5	1.0	0.6	0.7	0.5
16	0.1	0.1	0.1	27	0.04	0.04	0.04	1.5	1.0	0.7	0.6	0.5
17	0.1	0.1	0.1	8.8	0.04	0.04	0.04	1.5	1.0	0.4	0.6	0.5
18	0.1	0.1	0.1	0.2	0.04	0.04	0.04	2.0	1.0	0.4	0.6	0.6
19	0.1	0.1	0.1	0.2	0.04	0.04	0.1	2.0	0.9	0.4	0.6	0.6
20	0.1	0.1	0.1	0.2	0.04	0.04	0.04	2.0	1.0	0.4	0.6	0.6
21	0.1	0.1	0.1	0.7	0.04	0.04	0.04	2.0	1.0	0.4	0.6	0.6
22	0.1	0.1	0.1	0.4	0.04	0.5	0.04	2.5	1.1	0.4	0.6	0.6
23	0.1	0.1	0.1	0.1	0.04	0.3	0.04	2.5	1.1	0.4	0.6	0.6
24	0.1	0.1	0.1	0.1	0.04	0.1	0.04	3.1	1.1	0.4	0.6	0.6
25	0.1	0.1	0.1	0.1	0.04	0.04	0.04	3.1	e 0.6	0.4	0.6	0.6
26	0.1	0.1	0.1	0.1	0.04	0.04	0.04	3.1	0.04	0.4	0.6	0.6
27	0.1	0.1	0.1	0.1	0.04	0.04	0.04	3.6	0.04	0.4	0.6	0.6
28	0.1	0.1	0.1	19.2	0.04	0.04	0.1	e 3.4	0.04	0.4	0.6	0.6
29	0.1	0.1	0.1	31	0.04	0.04	0.04	e 3.4	0.04	0.4	0.6	0.6
30	0.1	e 0.1	0.1	10.2		0.04	0.04	e 3.4	0.04	0.4	0.6	e 0.6
31	e 0.1		e 0.1	0.1		0.2		e 3.4		0.4	e 0.6	
	14.0	3.0	3.1	130.9	1.40	60.22	136.04	136.52	52.00	7.86	18.3	17.1
MEAN	0.45	0.1	0.1	4.22	0.05	1.94	4.53	4.40	1.73	0.25	0.59	0.57
ACRE-FEET	28.	6.0	6.2	260.	2.8	119.	270.	271.	103.	16.	36.	34.

Remarks:

YEAR OR PERIOD MEAN 1.59
ACRE-FEET 1,150.

T6D16M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F119C-R

Daily discharge, in second-feet of SANTA ANITA CREEK below Santa Anita Dam, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	0.5	0.6	0.6	0.03	0.02	0.4	0.02	0.02	0.02	0.03	0.05
2	0.6	0.4	0.6	0.6	0.03	0.02	0.1	0.02	0.02	0.02	0.03	0.05
3	0.6	0.4	0.6	0.6	0.03	0.02	0.1	0.02	0.02	0.02	0.03	0.05
4	0.5	0.4	0.6	0.6	0.03	0.02	0.04	0.02	0.02	0.02	0.03	0.03
5	0.5	0.4	0.6	0.6	0.04	0.02	0.02	0.02	0.02	0.02	0.03	0.04
6	0.4	0.4	0.6	0.6	0.05	0.02	0.02	0.02	0.02	0.02	0.03	0.05
7	0.4	0.4	0.6	0.3	0.03	0.03	19.1	0.02	0.02	0.02	0.03	0.04
8	0.4	0.4	0.6	0.03	0.03	0.02	30	0.02	0.02	0.02	0.03	0.02
9	0.4	0.8	0.6	0.03	0.03	0.02	33	0.02	0.02	0.02	0.02	0.02
10	0.4	0.7	0.6	0.03	0.03	0.02	45	21	0.02	0.02	0.02	0.02
11	0.5	0.5	0.6	0.03	0.03	0.02	29	33	0.02	0.02	0.02	0.02
12	0.5	0.5	0.6	0.03	0.03	0.02	29	31	0.02	0.02	0.02	0.02
13	0.6	0.5	0.6	0.03	0.03	0.04	29	29	0.02	0.02	0.02	0.02
14	0.6	0.5	0.6	0.03	0.03	0.02	28	5.6	0.02	0.02	0.02	0.02
15	0.6	0.5	0.6	0.03	18.9	0.03	28	6.2	0.02	0.02	0.02	0.02
16	0.6	0.5	0.6	0.03	31	0.02	45	7.2	0.02	0.02	0.02	0.02
17	0.6	1.4	0.6	0.03	33	0.02	12.4	4.1	0.02	0.02	2.9	e 5.3
18	0.5	0.9	0.6	0.03	30	0.02	12.4	4.6	0.02	0.02	0.02	0.05
19	0.5	0.8	0.6	0.03	10.0	0.02	15.7	3.1	0.02	0.02	0.02	0.04
20	0.5	0.7	0.7	0.03	0.02	0.02	18.7	3.1	0.02	0.02	0.03	3.1
21	0.5	0.7	0.6	0.03	0.02	0.02	19.1	2.5	0.02	0.02	0.03	19.7
22	0.5	0.6	0.6	0.03	0.02	0.02	22	3.1	0.02	0.02	0.03	31
23	0.5	0.6	0.6	0.03	0.02	0.02	24	3.1	0.02	0.02	0.04	31
24	0.5	0.5	0.6	0.1	0.02	14.4	24	3.1	0.02	0.02	0.03	14.9
25	0.5	0.5	0.6	0.03	0.02	22	22	3.1	0.02	0.02	0.03	0.02
26	0.5	0.5	0.6	0.03	0.02	11.3	13.1	3.1	0.02	0.02	0.02	0.02
27	0.5	0.5	0.7	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
28	0.5	0.5	0.6	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02
29	0.5	0.5	0.6	0.03		0.02	0.02	0.02	0.02	0.02	0.03	0.02
30	0.5	0.6	0.6	0.03		0.02	0.02	0.02	0.02	0.04	0.05	0.02
31	0.5		0.6	0.03		0.1		0.02		0.02	0.05	
	15.9	17.1	18.8	4.69	123.53	48.38	499.26	166.18	0.60	0.64	3.73	105.70
MEAN	0.51	0.57	0.61	0.15	4.41	1.56	16.6	5.36	0.02	0.02	0.12	3.52
ACRE-FEET	32.	34.	37.	9.3	245.	96.	990.	330.	1.2	1.3	7.4	2.10

Remarks:

YEAR OR PERIOD MEAN 2.75
ACRE-FEET 1,990.

STATION F260C-R
SANTA ANITA WASH below Foothill Boulevard

LOCATION: LAT. 34°08'52", LONG. 118°01'33", ON THE RIGHT (WEST) BANK OF THE CHANNEL ABOUT 1300 FEET DOWNSTREAM FROM FOOTHILL BOULEVARD AND ABOUT ONE MILE NORTH OF ARCADIA. ELEVATION OF ZERO GAGE HEIGHT, 507.10 FEET.

DRAINAGE AREA: 17.2 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE, 30 FEET WIDE AND 13 FEET DEEP. BOTTOM IS WARPED 0.3 FOOT TOWARD STATION.
CONTROL - CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM STEEL FOOTBRIDGE 100 FEET ABOVE STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW PARTIALLY REGULATED BY SANTA ANITA DAM, SIERRA MADRE DAM, AND SANTA ANITA DEBRIS BASIN.

DIVERSIONS: THE CITY OF SIERRA MADRE DIVERTS WATER FROM SIERRA MADRE WASH AND SANTA ANITA CREEK FOR SPREADING IN SIERRA MADRE SPREADING GROUNDS. THE FLOOD CONTROL DISTRICT DIVERTS WATER FROM SANTA ANITA CREEK FOR SPREADING AT MOUTH OF SANTA ANITA CANYON.

RECORDS AVAILABLE: DECEMBER 11, 1959 TO SEPTEMBER 30, 1965. FOR RECORDS PRIOR TO DECEMBER 1959, SEE STATIONS F21-R, F119-R AND F260B-R.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 335 SECOND-FEET JANUARY 22.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1964-65
MAXIMUM: 267 SECOND-FEET ESTIMATED APRIL 16.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1936-65
MAXIMUM: NOT DETERMINED.
MAXIMUM: OUTFLOW FROM SANTA ANITA DAM, 5070 SECOND-FEET MARCH 2, 1938.
MINIMUM: NO FLOW AT VARIOUS TIMES.

ACCURACY: POOR.

OPERATION: LOCATED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT. CONSTRUCTED BY THE UNITED STATES CORPS OF ENGINEERS.

76D74M Gfb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F260C-R

Daily discharge, in second-feet of SANTA ANITA WASH below Foothill Boulevard, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.02	0.01	0.01	0.01	0.04	0	23	0.01	0.01	0.02	0.01	0.01
2	0.02	0.01	0.01	0.01	0.7	1.3	0.1	0.01	0.01	0.05	0.01	0.01
3	0.02	0.01	0.01	0.01	1.9	0	0.02	0.01	0.01	0.02	0.01	0.01
4	0.1	0.01	0.01	0.01	0	0	0.02	1.3	0.01	0.02	0.02	e 0.3
5	0.02	0.01	0.01	0.01	0.01	0.01	0.1	0.01	0.01	0.02	0.02	e 0.6
6	0.02	6.1	0.01	0.01	0.01	0.01	0.1	0.1	0.01	0.02	0.06	0.6
7	0.06	0	0.01	0.01	0.01	0.01	0.1	0.01	0.01	0.06	0.02	0.6
8	0.06	0	0.01	0.06	0.01	0.01	0.1	0.1	0.1	0.06	0.06	0.6
9	0.06	0	0.01	0.01	0.01	0.01	0.1	0.06	0.1	0.02	0.06	0.6
10	0.06	0	0.01	0.01	0.01	0.01	0.01	0.06	0.01	0.06	0.02	0.6
11	0.1	0	0.3	0.01	0.01	0.02	0.01	0.06	0.01	0.06	0.02	0.6
12	0.06	+	0.2	0.01	0.01	0.6	0.01	0.06	0.01	0.02	0.06	0.6
13	0.1	0.01	0.01	0.01	0.01	0.1	0.01	0.06	0.01	0.06	0.02	0.6
14	0.1	0.01	0.01	0.01	0.01	0.03	0.01	0.06	0.01	0.1	0.01	e 0.6
15	0.06	7.8	0.01	0.01	0.01	0.03	0.01	0.06	0.01	0.1	0.02	0.06
16	10.7	0.02	0.01	0.05	0.01	0.01	0.01	0.06	0.01	0.06	0.01	0.05
17	0.01	0.02	0.01	0.02	0.04	0.01	0.01	0.06	0.01	0.06	0.02	0.03
18	0.01	0.02	0.01	0.01	0.01	0.01	0.1	0.1	0.01	0.06	0.01	0.03
19	0.01	4.4	0.01	22	0.01	0.03	2.1	0.1	0.01	0.01	0.01	0.03
20	0.01	28	0.06	0.02	0.01	0.03	0.02	0.06	0.01	0.06	0.01	0.03
21	0.01	0.02	0.02	32	0.01	0.03	0.02	0.3	0.01	0.02	0.02	0.02
22	0.01	0.02	0.01	20	0.01	12.1	0.02	0.1	0.01	0.01	0.01	0.02
23	0.01	0.01	0.01	e 3.2	0.01	8.5	0.01	0.06	0.01	0.01	0.01	0.02
24	0.01	0.01	0.01	0.02	0.01	2.2	0.01	0.06	0.01	0.01	0.01	0.02
25	0.02	0	0.01	4.0	0.01	0.01	0.01	0.06	0.01	0.01	0.02	0.02
26	0.02	0	0.01	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
27	0.02	0	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
28	0.02	0	0.01	0.1	0.01	0.01	0.8	0.3	0.01	0.01	0.02	0.02
29	0.02	0	0.01	0.1	0.01	0.01	0.02	0.3	0.01	0.01	0.02	0.02
30	0.02	0	0.06	0.06		0.01	0.01	0.1	0.01	0.01	0.01	0.02
31	0.02		0.01	e 0.01		4.8		0.06		0.01	0.01	
	11.78	46.49	0.90	81.87	2.92	29.92	26.86	3.71	0.48	1.07	0.65	6.76
MEAN	0.38	1.55	0.03	2.64	0.10	0.97	0.90	0.12	0.02	0.03	0.02	0.23
ACRE-FEET	23.	92.	1.8	162.	5.8	59.	53.	7.4	1.0	2.1	1.3	13.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.58
ACRE-FEET 422.

76D74M Gfb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F260C-R

Daily discharge, in second-feet of SANTA ANITA WASH below Foothill Boulevard, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.02	0.02	0.02	0.01	0.01	0.01	25	0.01	0.02	0	0	0.01
2	0.02	1.1	0.02	0.01	0.01	0.01	11.6	0.01	0.02	0	0	0
3	0.02	1.2	0.02	0.01	0.01	0.01	5.5	0.1	0.02	0	0.01	0.01
4	0.02	1.0	0.02	0.01	0.01	0.01	3.7	0.01	0.01	0.01	0.01	0.01
5	0.03	0.02	0.02	0.01	2.5	0.01	0.02	0.01	0.01	0.01	0.01	1.4
6	0.02	0.02	0.02	0.1	3.3	0.01	0.02	0.02	0.01	0.01	0.01	5.8
7	0.03	0.02	0.02	6.1	0.01	1.2	1.0	0.02	0.01	0.01	0.01	0.01
8	0.03	0.02	0.02	0.01	0	0.01	18.2	0.01	0.01	0.01	0	0.01
9	0.03	10.9	0.02	0.01	0	0.01	20	0.01	0.01	0	0.01	0.02
10	0.03	6.9	0.02	0.01	0	0.01	7.5	0.1	0.02	0	0.01	0.1
11	0.03	0.02	0.02	0.01	0.01	0.3	1.5	0.1	0.01	0.01	0.01	0.1
12	0.03	0.1	0.02	0.01	0.01	1.5	0.8	0.1	0.01	0.01	0.6	0.1
13	0.03	0.02	0.02	0.01	0.01	2.6	0.6	0.1	0.01	0.01	0	0.02
14	0.03	0.01	0.02	0.01	0	0.02	0.1	0.02	0.02	0.3	0.01	0.1
15	0.03	0.01	0.02	0.01	0	0.8	0.02	0.02	0.01	0.01	0	0.1
16	0.03	0.01	0.02	0.01	0	0.01	v 27	0.02	0.01	0.01	0.01	1.1
17	0.03	8.2	0.02	0.01	0	0.01	0.8	0.01	0	0.02	0.01	1.5
18	0.03	0.02	0.02	0.01	0	0.01	0.8	0.02	0	0.01	0.1	2.2
19	0.03	0.02	0.1	0.01	0	0.01	0.8	0.02	0.02	0.01	0.01	2.1
20	0.03	0.02	6.0	0.01	0	0.01	0.6	0.02	0.01	0.01	0.01	0
21	0.03	0.02	0.02	0.01	0	0.01	0.3	0.02	0.01	0.01	0.01	0
22	0.05	0.02	0.02	0.01	0	0.01	0.1	0.02	0.02	0.01	0.01	0.02
23	0.03	0.02	0.02	0.01	0	0.01	0.6	0.02	0.02	0.01	0.01	0.02
24	0.02	0.01	0.02	3.1	0	0.01	0.3	0.02	0.01	0	0.01	0.02
25	0.01	0.1	0.02	0.01	0	0.01	0.1	0.02	0.02	0.01	0.01	0.02
26	0.02	0.02	0.4	0.01	0	0.01	0.1	0.02	0	0	0.01	0.02
27	0.03	0.02	10.7	0.01	0	0.01	0.1	0.1	0	0	0.01	0.02
28	0.03	0.02	0.1	0.01	0	0.01	0.1	0.1	0	0	0.02	0.02
29	2.5	0.02	0.06	0.01		0.01	0.02	0.1	0	0	0.02	0.02
30	0.03	0.02	0.01	0.01		0.01	0.02	0.02	0	0.3	0.01	0.02
31	0.03		0.01	0.01		6.5		0.1		0	0.01	
	3.33	29.80	17.84	9.58	5.88	13.16	127.30	1.27	0.32	0.79	0.96	14.87
MEAN	0.11	1.0	0.58	0.31	0.21	0.42	4.24	0.04	0.01	0.02	0.03	0.50
ACRE-FEET	6.6	59.	35.	19.	12.	26.	252.	2.5	0.6	1.6	1.9	29.

Remarks:

YEAR OR PERIOD MEAN 0.62
ACRE-FEET 445.

STATION F193B–R
SANTA ANITA WASH at Longden Avenue

LOCATION: LAT. 34°06'52", LONG. 118°00'54", ON THE RIGHT (WEST) BANK 30 FEET UPSTREAM OF THE LONGDEN AVENUE BRIDGE, ONE AND ONE HALF MILES SOUTH OF ARCADIA. ELEVATION OF ZERO GAGE HEIGHT 346.5 FEET.

DRAINAGE AREA: 18.8 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL – RECTANGULAR CONCRETE, 35 FEET WIDE AND 14 FEET DEEP.
CONTROL – CHANNEL FORMS CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION AND/OR DIVERSIONS: SUBJECT TO THE SAME REGULATION AND DIVERSIONS AT STATION F260C–R, SANTA ANITA WASH BELOW FOOTHILL BOULEVARD.

RECORDS AVAILABLE: JANUARY 5, 1960 TO SEPTEMBER 30, 1965 (AT STATION F193–R FROM APRIL 25, 1932 TO MARCH 1, 1938).

EXTREMES OF DISCHARGE:
1963–64
MAXIMUM: 581 SECOND–FEET NOVEMBER 20.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1964–65
MAXIMUM: 518 SECOND–FEET APRIL 9.
MINIMUM: NO FLOW JUNE 7 AND 9.
1959–65
MAXIMUM: 1780 SECOND–FEET FEBRUARY 11, 1962.
MINIMUM: NO FLOW AT VARIOUS TIMES EACH YEAR.

ACCURACY: GOOD.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F193–R

Daily discharge, in second-feet of SANTA ANITA WASH at Longden Avenue, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.07	0.02	0.01	0.01	0.04	0.02	44	0.07	0.07	0.04	0.02	0.07
2	0.04	0.02	0.02	0.01	0.04	3.7	0.3	0.04	0.04	0.04	0.02	0.04
3	0.04	0.02	0.04	0.02	2.4	0.01	0.2	+	0.02	0.02	0.01	0.04
4	0.07	0.02	0.02	0.02	0.01	0.02	0.07	0.07	0.02	0.02	0.04	0.3
5	0.04	0.02	0.01	0.01	0.02	0.07	0.8	0.02	0.02	0.02	0.04	e 0.5
6	0.04	11.0	0.01	0.01	0.02	0.04	0.3	0.07	0.02	0.02	0.07	0.5
7	0.04	0.04	0.02	0.01	0.01	0.07	0.2	0.02	0.04	0.02	0.04	0.5
8	0.04	0.02	0.02	0.04	0.01	0.02	0.3	0.04	0.3	0.02	0.04	0.5
9	0.04	0.02	0.02	0.01	0.02	0.02	0.3	0.02	0.3	0.02	0.04	0.5
10	0.04	0.02	0.02	0.01	0.02	0.04	0.07	0.02	0.04	0.02	0.04	0.5
11	0.04	0.02	0.3	0.01	0.04	0.07	0.07	0.02	0.02	0.04	0.04	0.5
12	0.04	0.02	0.2	0.01	0.02	4.9	0.04	0.02	0.02	0.02	0.07	0.5
13	0.04	0.02	0.02	0.01	0.02	0.2	0.02	0.02	0.04	0.2	0.04	0.5
14	0.04	0.02	0.01	0	0.02	0.04	0.04	0.02	0.02	0.2	0.04	e 0.5
15	0.07	8.0	0.02	0.01	0.04	0.02	0.04	0.02	0.02	0.2	0.04	0.07
16	14.9	0.04	0.02	0.02	0.04	0.01	0.04	0.02	0.04	0.1	0.02	0.04
17	0.07	0.02	0.02	0.01	0.04	0.01	0.04	0.02	0.04	0.1	0.04	0.04
18	0.04	0.02	0.02	0.02	0.04	0.04	0.07	0.02	0.07	0.1	0.04	0.07
19	0.02	5.8	0.02	24	0.02	0.04	2.1	0.07	0.04	0.02	0.04	0.07
20	0.02	47	0.04	0.02	0.04	0.04	0.02	0.04	0.07	0.3	0.04	0.07
21	0.01	0.07	0.04	41	0.04	0.04	0.02	0.3	0.04	0.04	0.04	0.04
22	0.01	0.01	0.01	31	0.04	26	0.02	0.07	0.04	0.02	0.04	0.04
23	0.01	0.01	0.02	3.2	0.04	14.1	0.04	0.04	0.04	0.02	0.02	0.04
24	0.01	0.01	0.01	0.02	0.04	4.4	0.04	0.07	0.07	0.02	0.04	0.04
25	0.02	0.01	0.01	5.4	0.07	0.04	0.04	0.04	0.04	0.02	0.04	0.07
26	0.02	0.01	0.01	0.07	0.02	0.02	0.04	0.02	0.04	0.02	0.04	0.2
27	0.02	0.01	0.02	0.04	0.02	0.02	0.04	0.04	0.04	0.02	0.07	0.07
28	0.02	0.01	0.02	0.07	0.07	0.04	1.4	0.3	0.02	0.02	0.07	0.07
29	0.02	0.01	0.02	0.07	0.07	0.02	0.3	1.4	0.02	0.02	0.04	0.07
30	0.02	0.01	0.02	0.07		0.04	0.07	1.4	0.02	0.02	0.04	0.07
31	0.02		0.01	0.01		8.7		0.8		0.02	0.07	
	15.92	72.32	1.05	105.21	3.32	62.80	51.03	5.12	1.62	1.76	1.28	6.52
MEAN	0.51	2.41	0.03	3.39	0.11	2.03	1.70	1.65	0.05	0.06	0.04	0.22
ACRE-FEET	32.	143.	2.1	209.	6.6	125.	101.	10.	3.2	3.5	2.5	13.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.89
ACRE-FEET 650.

FEDTAM Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F193B-R

Daily discharge, in second-feet of SANTA ANITA WASH at Longden Avenue, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.03	0.03	0.01	0.01	0.01	0.03	63	0.07	0.1	0.03	0.01	0.03
2	0.03	0.9	0.01	0.03	0.01	0.1	21	0.07	0.1	0.1	0.01	0.03
3	0.03	1.3	0.01	0.03	0.03	0.1	13.5	6.4	0.1	0.1	0.03	0.1
4	0.03	0.9	0.01	0.03	0.03	0.1	9.3	0.03	0.01	0.1	0.03	0.1
5	0.03	0.03	0.01	0.1	4.0	0.1	0.2	0.03	0.03	0.03	0.03	1.6
6	0.01	0.01	0.01	0.03	11.0	0.1	0.4	0.01	0.01	0.1	0.03	9.1
7	0.01	0.01	0.01	11.0	0.01	3.5	1.3	0.01	0	0.1	0.03	0.03
8	0.01	0.01	0.01	0.01	0.01	0.03	48	0.03	0.01	0.1	0.01	0.03
9	0.03	21	0.03	0.01	0.01	0.03	53	0.03	0	0.1	0.01	0.03
10	0.03	15.4	0.03	0.01	0.01	0.03	12.4	0.07	0.01	0.1	0.03	0.1
11	0.03	0.01	0.01	0.01	0.01	0.2	4.2	0.2	0.01	0.03	0.03	0.1
12	0.03	0.2	0.01	0.1	0.01	2.8	2.7	0.2	0.1	0.03	0.2	0.1
13	0.03	0.01	0.01	0.03	0.01	9.8	1.3	0.07	0.03	0.01	0.01	0.03
14	0.03	0.01	0.01	0.01	0.03	0.1	0.2	e 0.07	0.03	4.8	0.01	0.1
15	0.03	0.01	0.01	0.03	0.01	3.3	0.1	0.06	0.2	0.1	0.01	0.1
16	0.03	0.01	0.03	0.01	0.01	0.03	27	0.05	0.2	0.1	0.01	1.2
17	0.03	10.6	0.03	0.01	0.03	0.03	0.4	0.04	0.03	1.1	0.03	2.8
18	0.03	0.01	0.1	0.01	0.03	0.01	0.4	0.03	0.01	0.03	0.2	4.9
19	0.1	0.01	0.9	0.03	0.01	0.03	0.2	e 0.02	0.2	0.1	0.03	4.6
20	0.1	0.01	17.0	0.03	0.03	0.1	0.2	0.03	0.03	0.03	0.1	0.1
21	0.03	0.01	0.4	0.03	0.01	0.2	0.4	0.03	0.1	0.03	0.03	0.01
22	0.1	0.01	0.2	0.03	0.01	0.03	0.4	0.07	0.03	0.03	0.03	0.1
23	0.2	0.03	0.4	0.03	0.01	0.03	0.4	0.07	0.4	0.01	0.03	0.2
24	0.2	0.1	0.4	9.2	0.01	0.1	0.4	0.07	0.03	0.03	0.03	0.1
25	0.1	0.9	0.2	0.03	0.01	0.03	0.4	0.03	0.1	0.1	0.03	0.1
26	0.1	0.2	0.9	0.1	0.01	0.1	0.2	0.03	0.01	0.01	0.03	0.1
27	0.2	0.2	30	0.03	0.01	0.1	0.2	0.07	0.01	0.01	0.03	0.03
28	0.03	0.4	0.4	0.03	0.01	0.03	0.1	0.2	0.01	0.03	0.03	0.03
29	3.4	0.1	0.1	0.03		0.03	0.1	0.2	0.03	0.03	0.03	0.03
30	0.03	0.1	0.03	0.03		0.03	0.1	0.2	0.1	2.7	0.01	0.03
31	0.1		0.01	0.03		21		0.2		0.01	0.03	
	5.17	52.52	51.29	21.10	15.38	42.20	261.5	8.69	2.03	10.18	1.16	25.91
MEAN	0.17	1.75	1.66	0.68	0.55	1.36	8.72	0.28	0.07	0.33	0.04	0.86
ACRE-FEET	10.	104.	102.	42.	30.	84.	519.	17.	4.0	20.	2.3	51.

Remarks:

YEAR OR PERIOD MEAN 1.36
ACRE-FEET 985.

STATION F93–R
SANTA CLARA RIVER above Lang Railroad Station

LOCATION: LAT. 34°25'56", LONG. 118°21'39", ON THE RIGHT (NORTH) BANK ABOUT 0.7 MILE ABOVE LANG RAIL ROAD STATION AND ABOUT 15 MILES NORTHEAST OF NEWHALL. ELEVATION OF ZERO GAGE HEIGHT 1733.77 FEET.

DRAINAGE AREA: 157.3 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL – SAND, GRAVEL AND ROCK. NO ARTIFICIAL CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1965.

REGULATION: NONE.

DIVERSIONS: THERE ARE DIVERSIONS FOR IRRIGATION AND RECREATION.

RECORDS AVAILABLE: RECORDER RECORDS AVAILABLE FROM OCTOBER 18, 1949 TO SEPTEMBER 30, 1965. STREAM FLOW MEASUREMENTS FROM NOVEMBER 1929.

EXTREMES OF DISCHARGE:
1963–64
MAXIMUM: 70 SECOND-FEET JANUARY 22.
MINIMUM: 0.2 SECOND-FOOT AT TIMES IN NOVEMBER AND DECEMBER.
1964–65
MAXIMUM: 35 SECOND-FEET APRIL 9.
MINIMUM: 0.3 SECOND-FOOT AT VARIOUS TIMES IN APRIL.
1950–65
MAXIMUM: 4200 SECOND-FEET JANUARY 16, 1952.
MINIMUM: 0.2 SECOND-FOOT VARIOUS TIMES IN 1950–51 AND 1961–62.

ACCURACY: POOR.

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

76DT4M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F93-R

Daily discharge, in second-feet of SANTA CLARA RIVER near Lang Railroad Station, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.1	1.1	1.0	0.7	1.0	0.9	1.1	1.1	1.0	0.8	0.9	0.9
2	1.1	1.1	0.9	0.7	1.0	0.9	1.0	1.1	1.0	0.8	0.9	0.9
3	1.1	1.1	0.9	0.7	0.9	0.9	1.0	1.1	1.0	0.8	0.9	0.9
4	1.1	1.1	0.9	0.7	0.9	0.9	1.0	1.1	1.0	0.8	0.9	0.9
5	1.1	1.1	0.9	0.7	0.9	0.9	1.0	1.1	1.0	0.7	0.9	0.9
6	1.1	1.1	0.9	0.7	0.9	0.9	1.1	1.1	1.0	0.7	0.9	0.9
7	1.1	1.1	0.9	0.7	0.9	0.9	1.1	1.1	1.0	0.7	0.9	0.9
8	1.1	1.1	0.9	0.7	0.9	0.9	1.2	1.1	1.0	0.7	0.9	0.9
9	1.1	1.1	1.0	0.7	0.9	0.9	1.2	1.1	1.0	0.7	0.9	0.9
10	1.1	1.1	1.0	0.7	0.9	0.8	1.0	1.1	1.0	0.7	0.9	0.9
11	1.1	1.1	1.0	0.7	0.9	0.8	1.0	1.1	1.0	0.8	0.8	0.9
12	1.1	1.1	1.0	0.8	0.8	0.8	1.0	1.1	1.0	0.8	0.8	0.9
13	1.1	1.1	1.0	0.9	0.8	0.8	1.0	1.1	1.0	0.8	0.8	0.9
14	1.2	1.1	1.0	0.9	0.8	0.8	1.0	1.1	1.0	0.9	0.8	0.9
15	1.2	1.1	1.0	0.9	0.8	0.8	1.0	1.1	1.0	1.0	0.8	0.9
16	1.2	1.1	1.0	0.9	0.8	0.8	1.0	1.1	1.0	1.0	0.8	0.9
17	1.2	1.1	1.0	a 0.9	0.8	0.8	1.0	1.1	1.0	1.0	0.8	0.9
18	1.1	1.0	1.0	0.9	0.8	0.8	1.0	1.1	1.0	1.0	0.8	0.9
19	1.1	0.9	1.0	0.9	0.8	0.8	1.0	1.1	1.0	1.0	0.8	0.9
20	1.0	0.9	1.0	0.9	0.8	0.8	1.0	1.1	1.0	0.9	0.8	0.9
21	1.0	0.9	1.0	4.1	0.8	0.9	1.0	1.1	0.9	0.9	0.8	0.9
22	0.9	0.9	1.0	a 5.7	0.8	1.0	1.0	1.1	0.8	1.0	0.9	0.9
23	0.9	0.9	0.9	1.2	0.8	1.0	1.0	1.1	0.7	1.0	0.9	0.9
24	0.8	1.0	0.9	1.0	0.9	0.9	1.0	1.1	0.6	1.0	0.9	0.9
25	0.8	1.0	0.9	1.0	0.9	0.9	1.0	1.1	0.6	1.0	0.9	0.9
26	0.9	1.0	0.9	1.0	0.9	0.7	1.1	1.0	0.6	b 0.9	0.9	0.9
27	0.9	1.0	0.9	1.0	0.9	0.7	1.1	1.0	0.7	b 0.9	0.9	0.9
28	1.0	1.0	0.9	1.0	0.9	0.7	1.1	1.0	0.7	0.8	0.9	0.9
29	1.0	1.0	0.9	1.0	0.9	0.7	1.1	1.0	0.7	0.8	0.9	0.9
30	1.1	1.0	0.8	1.0		0.7	1.1	1.0	0.7	0.8	0.9	0.9
31	1.1		0.8	1.0		0.7		1.0		0.8	0.9	
	32.6	31.2	29.2	34.7	25.1	25.8	31.2	33.5	27.0	26.5	26.8	27.0
MEAN	1.05	1.04	0.94	1.12	0.87	0.83	1.04	1.08	0.90	0.85	0.86	0.90
ACRE-FEET	65.	62.	58.	69.	50.	51.	62.	66.	54.	53.	53.	54.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.96
ACRE-FEET 697.

76DT4M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F93-R

Daily discharge, in second-feet of SANTA CLARA RIVER near Lang Railroad Station, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8	0.8	0.7	0.7	0.4	0.4	0.4	0.8	0.7	0.4	0.4	0.6
2	0.8	0.8	0.7	0.7	0.4	0.4	0.4	0.8	0.7	0.4	0.4	0.6
3	0.7	0.8	0.7	0.6	0.4	0.4	0.4	0.7	0.7	0.4	0.4	0.6
4	0.7	0.8	0.7	0.6	0.4	0.4	0.4	0.7	0.7	0.4	0.4	0.6
5	0.6	0.8	0.7	0.6	0.4	0.4	0.3	0.7	0.7	0.4	0.4	0.6
6	0.6	0.8	0.7	0.6	0.4	0.4	0.3	0.7	0.7	0.4	0.4	0.7
7	0.5	0.8	0.7	0.6	0.4	0.4	0.3	0.7	0.7	0.4	0.4	0.7
8	0.5	0.8	0.7	0.5	0.4	0.4	0.7	0.7	0.7	0.5	0.5	0.7
9	0.5	0.8	0.7	0.5	0.4	0.4	5.9	0.7	0.7	0.5	0.6	0.7
10	0.6	0.8	0.7	0.5	0.4	0.4	0.8	0.7	0.7	0.5	0.6	0.7
11	0.6	0.8	0.7	0.5	0.4	0.4	0.7	0.7	0.7	0.5	0.6	0.7
12	0.7	0.7	0.7	0.5	0.4	0.4	0.7	0.7	0.7	0.6	0.6	0.7
13	0.7	0.7	0.7	0.5	0.4	0.4	0.7	0.7	0.7	0.6	0.6	0.7
14	0.8	0.7	0.6	0.5	0.4	0.4	0.6	0.7	0.7	0.6	0.6	0.7
15	0.8	0.7	0.6	0.5	0.4	0.4	0.6	0.7	0.7	0.6	0.6	0.7
16	0.8	0.7	0.6	0.5	0.4	0.4	0.6	0.7	0.7	0.6	0.6	0.7
17	0.8	0.7	0.6	0.5	0.4	0.4	0.6	0.7	0.7	0.6	0.6	0.6
18	0.8	0.7	0.6	0.4	0.4	0.4	0.6	0.7	0.6	0.6	0.6	0.7
19	0.8	0.7	0.6	0.4	0.4	0.4	0.6	0.7	0.6	0.6	0.6	0.9
20	0.8	0.7	0.6	0.4	0.4	0.4	0.6	0.7	0.5	0.6	0.6	0.5
21	0.8	0.7	0.6	0.4	0.4	0.4	0.6	0.7	0.5	0.5	0.6	0.5
22	0.8	0.7	0.6	0.3	0.4	0.4	0.6	0.7	0.5	0.5	0.6	0.5
23	0.8	0.6	0.6	0.3	0.5	0.4	0.6	0.7	0.6	0.5	0.6	0.5
24	0.8	0.6	0.6	0.3	0.5	0.4	0.7	0.7	0.5	0.5	0.6	0.5
25	0.8	0.6	0.6	0.4	0.5	0.4	0.7	0.7	0.4	0.5	0.6	0.5
26	0.8	0.6	0.6	0.4	0.5	0.4	0.7	0.7	0.4	0.5	0.6	0.5
27	0.8	0.7	0.7	0.5	0.5	0.4	0.8	0.7	0.4	0.5	0.6	0.5
28	0.8	0.7	0.7	0.5	0.5	0.4	0.8	0.7	0.4	0.5	0.6	0.5
29	0.9	0.7	0.7	0.5		0.4	0.8	0.7	0.4	0.5	0.6	0.5
30	0.8	0.7	0.7	0.4		0.4	0.8	0.7	0.4	0.5	0.6	0.5
31	0.8		0.7	0.4		0.4		0.7		0.4	0.6	
	22.8	21.7	20.4	15.0	11.8	12.4	23.3	21.9	18.1	15.6	17.1	18.4
MEAN	0.72	0.72	0.66	0.48	0.42	0.40	0.78	0.71	0.60	0.50	0.55	0.61
ACRE-FEET	45.	43.	40.	30.	23.	25.	46.	43.	36.	31.	34.	36.

Remarks:

YEAR OR PERIOD MEAN 0.60
ACRE-FEET 432.

STATION F135–R
SANTA CLARA RIVER – SOUTH FORK
at Saugus–Ventura Road
(Formerly Placerita Creek)

LOCATION: LAT. 34°24'52", LONG. 118°32'34", ON THE RIGHT (EAST) BANK AND ON THE UPSTREAM SIDE OF SAUGUS–VENTURA ROAD BRIDGE, ABOUT 800 FEET WEST OF SAN FERNANDO ROAD, SAUGUS. ELEVATION OF ZERO GAGE HEIGHT 1143.97 FEET.

DRAINAGE AREA: 40.9 SQUARE MILES.

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

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOW MEASURED BY CABLE CAR, 200± FEET UPSTREAM FROM STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: NONE. FLOWS OCCASIONALLY ORIGINATE FROM LOS ANGELES AQUEDUCT BLOWOFF.

DIVERSIONS: NONE.

RECORDS AVAILABLE: SEPTEMBER 9, 1947 TO SEPTEMBER 30, 1965. FOR PREVIOUS MEASUREMENTS AND RECORDS SEE STAFF GAGE STATION F135–S, NEWHALL CREEK.

EXTREMES OF DISCHARGE:
1963–64
MAXIMUM: 870 SECOND–FEET JANUARY 22.
MINIMUM: NO FLOW PART OF YEAR.
1964–65
MAXIMUM: 960 SECOND–FEET APRIL 8.
MINIMUM: NO FLOW MOST OF YEAR.
1947–65
MAXIMUM: 6800 SECOND–FEET JANUARY 15, 1952.
MINIMUM: NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR.

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

7-57 14M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F135–R

Daily discharge, in second-feet of SANTA CLARA RIVER–SOUTH FORK at Saugus–Ventura Road, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	• 0.4	0	0	60	0	0	0	1.3	0.5
2	0	0	0	0	0	+	0.4	0.2	0.4	+	1.8	0.7
3	0	0	0	0	0	0	0	1.1	0.5	0.9	1.8	0.4
4	0	0	0	0	0	0	0	1.1	0.8	0.2	1.4	0.8
5	0	0	• 0.3	0	0	0	0	1.1	0.4	2.2	2.4	1.6
6	0	6.7	• 0.2	0	0	0	0	0.6	1.5	1.8	0.9	0.8
7	0	0	0	0	0	0	0	1.2	0.4	0	0.5	+
8	0	0	• 0.3	0	0	+	0	1.6	0.9	+	1.6	0.4
9	0	0	• 0.4	0	0	0	+	1.1	0.2	0.6	1.2	0.1
10	0	0	0	0	0	0	0.4	1.1	0.8	0.2	2.0	0.9
11	0	0	0	0	0	0	0.5	0.4	0.8	0.1	2.3	1.6
12	0	0	0	0	0	0	0.4	0.4	0.4	0.4	3.0	0.3
13	0	0	0	0	0	0	0.5	0.5	0.4	0.4	2.0	0.8
14	0	0	0	0	0	0	0.9	0.8	0.8	0.1	0.5	0.2
15	0	2.2	0	0	0	0	0.7	0.5	0.5	0.3	0.4	0.8
16	0	0	0	0	0	0	1.0	1.3	0.7	2.3	0.3	0.9
17	0	0	0	0	0	0	1.0	1.1	0.9	1.4	1.6	1.1
18	0	0	0	0	0	0	1.0	0.2	0	0.4	1.6	1.8
19	0	2.3	0	0	0	0	1.1	0.5	0.4	0.4	2.4	+
20	0	21	0	0	0	+	0.6	0.5	0.4	1.8	1.2	+
21	0	0	0	50	0	1.1	0	1.3	0.5	1.8	1.8	+
22	0	0	0	93	0	17	0.7	1.8	0.5	2.0	0.6	0.7
23	0	0	0	0	0	0.6	1.7	2.3	0.9	2.2	0.2	0.5
24	0	0	0	0	0	0	1.2	1.4	1.6	1.5	0.3	0.7
25	0	0	0	0	0	0	0.8	0.5	2.4	1.8	0.6	1.4
26	0	0	0	0	0	0	0.6	0.1	3.9	1.0	0.8	2.1
27	0	0	0	0	0	0	+	0.6	2.2	1.1	1.2	0
28	0	0	0	0	0	0	0.6	1.4	2.6	1.1	0.4	0
29	0	0	0	0	0	0	0	0.7	2.0	1.1	0.1	+
30	0	0	0	0		0	0	0.6	0	1.1	0.1	+
31	0		• 0.2	0		16		0.9		2.6	0.1	
	0	32.2	1.4	143.4	0	34.7	74.1	26.9	27.8	30.8	36.4	19.1
MEAN	0	1.07	0.05	4.63	0	1.12	2.47	0.87	0.93	0.99	1.17	0.64
ACRE-FEET	0	64.	2.8	284.	0	69.	147.	53.	55.	61.	72.	38.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.17
ACRE-FEET 846.

CORPS OF ENGINEERS
LIBRARY
LOS ANGELES
207

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F135-R

Daily discharge, in second-feet of SANTA CLARA RIVER – SOUTH FORK at Saugus-Ventura Road, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0	0	0	0	0	0	78	e 0.1	0.2	0.7	1.1	1.8
2	0.2	0	0	0	+	0	38	0.1	0.3	0.7	2.0	2.3
3	e 0.2	0.1	0	0	0	0	9.2	0.2	0	0.2	2.3	2.3
4	+	0	0	0	+	0	18	0.1	0.2	0.1	2.6	1.1
5	e 0.2	0	0	0	+	0	1.1	e 0.1	0.3	+	1.6	1.8
6	0.1	0	0	+	+	+	+	0.4	+		1.4	1.8
7	0.4	0	0	+	0	0	+	0.3	0.1		1.1	0.7
8	0.5	0	0	0	0	0	146	0.2	0.3	+	1.6	+
9	e 0.1	0.5	0	0	0	0	109	0.9	0.3	0.8	0.9	0.2
10	e 0.1	0.7	0	0	0	0	17	0.5	0.7	0.5	0.9	0.6
11	e 0.2	0	0	0	0	0	1.8	0.2	0.8	0.4	0.5	0.9
12	0	0	0	0	0	+	0.9	0.2	1.3	0.4	1.1	0.5
13	0.2	0	0	0	0	e 0.1	0.3	0.9	0	1.4	1.2	0.8
14	0.2	0	0	+	0	+	e 0.1	0.5	0	1.4	1.1	0
15	0	0	0	0	0	e 0.1	0.1	0.4	0	1.8	0.9	+
16	+	0	0	+	0	+	0.2	0.3	0.2	2.1	1.2	2.8
17	0	0.2	0	0	0	+	0.1	0.7	0.7	2.1	1.2	2.3
18	0	0	0	+	0	e 0.1	0.1	0.4	0.5	1.1	1.1	2.6
19	0.1	0	1.1	+	0	0.2	0.2	0.3	0.2	1.4	0.7	1.2
20	0.1	0	9.1	+	0	0.1	0.1	0.3	0.2	+	1.4	0
21	0.7	0	0.6	0	0	0.2	0.2	1.0	0.7	1.4	2.8	+
22	0.4	0	0	+	0	e 0.1	0.3	0.9	0.4	0.9	2.6	0.7
23	0	0	+	+	0	+	0.1	1.1	0.2	1.6	2.6	0
24	0	0	0	0	0	e 0.3	0.1	1.6	0.4	0.9	2.6	0
25	0.5	0	0	+	0	0.3	0.3	0.7	0.2	1.6	1.4	0.3
26	1.1	0	0		0	0.3	0.1	0.1	0.1	2.0	1.1	1.4
27	e 0.2	+	5.1		0	0.3	0	0.4	0.2	0.8	1.4	1.1
28	+	0	0.7		0	e 0.1	e 0	1.1	0.1	0	0.9	0.9
29	0.2	0	0				0	0.7	0.1	0.1	+	0.9
30	0	0	+	+		e 0.2	e 0.2	0.2	0.2	0.3	0.2	1.5
31	0		0	0		16				0.1	0.5	
	6.7		16.6		+		421.5		8.9		42.0	
		1.5		+		18.4		14.9		24.8		30.5
MEAN	0.22	0.05	0.54	+	+	0.59	14.0	0.48	0.30	0.80	1.36	1.02
ACRE-FEET	13.	3.0	33.	+	+	36.	836.	30.	18.	49.	83.	60.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.60
ACRE-FEET 1,160.

STATION F92-R
SANTA CLARA RIVER at Old Highway Bridge

LOCATION: LAT. 34°25'42", LONG. 118°35'23", ON THE DOWNSTREAM END OF THE RIGHT (WEST) PIER OF THE OLD HIGHWAY 99 BRIDGE ABOUT 1850 FEET BELOW GOLDEN STATE HIGHWAY BRIDGE, AND ABOUT THREE MILES WEST OF SAUGUS. ELEVATION OF ZERO GAGE HEIGHT 1028.41 FEET.

DRAINAGE AREA: 410.4 SQUARE MILES.

CHANNEL AND CONTROL: SAND AND GRAVEL. HEAVY WEED AND BRUSH GROWTH. NO ARTIFICIAL CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: PARTIALLY REGULATED BY BOUQUET CANYON AND DRY CANYON RESERVOIRS. FLOWS OCCASIONALLY ORIGINATE FROM LOS ANGELES CITY AQUEDUCT BLOWOFF AT SANTA CLARA RIVER CROSSING.

DIVERSIONS: SOME FLOW DIVERTED FOR IRRIGATION NEAR LANG PRIOR TO ABOUT 1948, MINOR DIVERSIONS ABOVE STATION F93-R.

RECORDS AVAILABLE: AT STATION F92-R, RECORDER RECORDS FROM JANUARY 18, 1930 TO MARCH 28, 1938 AND FROM SEPTEMBER 24, 1956 TO SEPTEMBER 30, 1965. AT STATION F92B-R, RECORDER RECORDS FROM OCTOBER 1, 1938 TO SEPTEMBER 24, 1956. SOME WEEKLY STREAM FLOW MEASUREMENTS WERE TAKEN PRIOR TO JANUARY 18, 1930 AND FROM MARCH 28, 1938 TO OCTOBER 1, 1938.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 860 SECOND-FEET JANUARY 22.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1964-65
MAXIMUM: 1260 SECOND-FEET APRIL 8.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1930-65 (STATIONS F92-R AND F92B-R)
MAXIMUM: 24,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM: NO FLOW AT VARIOUS TIMES.

ACCURACY: POOR, DUE TO GROWTH IN CHANNEL AND EXTREME CUT AND FILL.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

7SD/14M C2b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F92-R

Daily discharge, in second-feet of SANTA CLARA RIVER at Old Highway Bridge, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8	b 0.3	0	0	0	0	85	e 0.3	e 0.2	b 1.4	2.2	1.1
2	0.7	0.3	0	0	0	0	e 0.5	+	0.2	1.2	1.4	1.5
3	0.8	0.3	0	0	0	0	0	+	0	1.0	2.3	1.1
4	0.9	0.3	0	0	0	0	0	e 0.1	0	0.5	2.7	0.2
5	1.4	0.3	0	0	0	0	0	0.2	0.2	0	2.3	+
6	1.3	b 0.6	0	0	0	0	0	0	0.4	1.2	1.9	0
7	1.0	1.1	0	0	0	0	0	0	1.1	1.4	0.3	+
8	0.9	+	0	0	0	0	0	3.4	0.2	1.4	0.6	0
9	0.2		0	0	0	0	0	9.0	0.4	1.2	+	0.1
10	0.5		0	0	0	0	0	9.0	0.5	1.2	0.9	1.2
11	0.4		0	0	0	0	0	e 5.3	1.0	0.5	0.8	1.1
12	b +		0	0	0	0	0	+	0.3	0	0.9	0.9
13			0	0	0	0	0	e 0	0.6	1.2	1.1	1.0
14		+	0	0	0	0	0	0	0.5	1.4	1.1	0.9
15		0.1	0	0	0	0	0	0	0.9	1.6	0.6	1.0
16	b +	+	0	0	0	0	e 0.1	0.3	0.7	b 1.8	0	1.1
17	0.4		0	0	0	0	0.1	0.5	0.6	2.0	+	0.8
18	b 0.1		0	0	0	+	0.1	0.5	1.6	1.2	0.8	0
19	+	+	0	0	0	e 0.2	0.1	0.6	1.2	0	0	0
20		e 20	0	0	0	e 0.2	0.3	1.1	1.2	1.3	1.2	+
21		e 0.2	0	20	0	0	0.3	1.1	1.4	0.5	1.5	0.6
22		0	0	78	+	10	e 0.7	1.1	1.4	1.3	1.7	0.7
23	b	0	0	0	1.0	1.6	+	0.6	1.4	1.2	1.5	0.7
24	+	0	0	0	1.0	+	b 0.3	0.6	1.2	0.3	1.9	0.7
25	0	0	0	0	0	0	1.1	e 0.4	1.5	1.6	1.8	0.7
26	0	0	0	0	0	+	1.2	+	e 0.5	0	1.7	0.7
27	0	0	0	0	0	+	1.2	e 0.5	+	1.1	1.7	0.7
28	0	0	0	0	0	e 0.3	1.2	0.4	0	1.6	2.0	0.8
29	e 0.2	0	0	0	0	e 0.2	1.2	0.8	b 1.2	1.6	1.8	1.0
30	e 0.3	0	0	0		+	e 0.6	e 0.3	b 1.5	0.8	+	1.1
31	e 0.3		0	0		5.4		+		1.4	0.8	
	10.2	23.5	0	98	3.0	17.9	94.0	36.1	21.9	32.9	37.5	19.7
MEAN	0.32	0.78	0	3.16	0.07	0.58	3.13	1.16	0.73	1.06	1.21	0.66
ACRE-FEET	20.	47.	0	194.	4.0	36.	186.	72.	43.	65.	74.	39.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.08
ACRE-FEET 780.

7SD/14M C2b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F92-R

Daily discharge, in second-feet of SANTA CLARA RIVER at Old Highway Bridge, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	0	0	0	0	0.3	94	1.1	0.6	1.6	1.6	0.5
2	e 0.1	0	0	0	0	0.3	56	0.6	0.6	1.7	0.6	0.6
3	0.5	0	0	0	0	0.4	9.6	0.5	0.6	1.2	0	0.6
4	1.0	0	0	0	0	0.4	32	0.5	0.6	1.6	0	0.9
5	1.1	0	0	0	0	0.2	+	0.4	0.8	1.5	0.6	0.9
6	1.3	0	0.2	0	0	0.6	+	0	0.8	1.6	1.0	1.1
7	1.4	0	0.3	0	0	0.6	+	0.5	0.9	1.5	1.1	0.9
8	1.0	0	0.8	0	0	0.6	240	1.5	1.0	0.6	1.1	0.4
9	0.7	0	0.5	0	0	0.8	156	1.4	1.1	1.2	1.9	0.2
10	0.9	e 0.1	+	0	0	1.2	3.6	1.3	1.3	1.2	1.6	0.3
11	0.9	0	0.2	0	0	1.5	0.4	0	1.4	1.4	1.1	0.4
12	0.4	0	0.5	0	0	1.5	0.1	0.5	1.5	1.4	0.5	0.3
13	0	0	0	0	0	0.5	0.1	1.2	1.4	1.3	0.4	0.1
14	0	0	0	0	0	0.2	+	0	1.3	1.3	0.1	0.3
15	0	0	0	0	0	0.2	+	0	1.3	1.3	0.7	0.5
16	0	0	0	0	0	0.4	+	0.6	1.3	1.1	0.6	0.5
17	0	0	0	0	0	0.7	0.1	1.1	1.2	1.2	0.7	0.5
18	e 0.2	0	0	0	0.5	1.2	0.1	0	1.3	1.2	0.3	0.7
19	0.5	e 0.1	0	0	0.2	1.1	+	0.3	1.4	1.6	0.5	0.5
20	0.8	+	0.3	0	+	1.2		0.5	1.4	1.6	0.2	+
21	0.8	0	+	0	0	1.2		0.5	1.1	1.6	0.4	+
22	0.4	0	+	0	0	0.7		0.4	1.6	1.6	1.2	+
23	0	0	0	0	0.3	+	+	0.5	1.7	1.7	0.9	0.1
24	0	0	0	0	0.4	0.8	0.2	0.4	1.9	1.9	0.7	0.3
25	0	0	0	0	0	1.0	0.3	0.4	1.7	1.8	0.4	0.3
26	0	0	0	0.6	0	0.7	+	0.7	1.7	1.8	0.3	0.2
27	0	0	0.1	0.7	0.3	1.2	0.2	0.7	1.5	1.5	0.4	0.2
28	0	0	+	0.5	0.4	0	0.6	0.3	1.5	1.8	0.4	0.3
29	0	0	0	0		+	0.5	0.4	1.5	1.9	0.2	0.3
30	0	0	0	0		0.2	0.4	0.4	1.6	1.9	0.2	0.1
31	0		0	0		12		0.5		1.9	0.4	
	12.6	0.2	2.9	1.8	2.1	31.7	594.2	17.2	37.6	46.5	20.1	12.0
MEAN	0.41	0.01	0.09	0.06	0.08	1.02	19.8	0.55	1.25	1.50	0.65	0.40
ACRE-FEET	25.	0.4	5.8	3.6	4.2	63.	1,180.	34.	75.	92.	40.	24.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.13
ACRE-FEET 1,550.

STATION V309-R
SANTA CLARA RIVER at Blue Cut

LOCATION: LAT. 34°23'59", LONG. 118°42'14", ON RIGHT BANK, 0.8 MILE WEST OF LOS ANGELES COUNTY LINE. ALTITUDE OF GAGE 794.93 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 644 SQUARE MILES. (REVISED)

RECORDS AVAILABLE: OCTOBER 1952 TO SEPTEMBER 1965.

AVERAGE DISCHARGE: 13 YEARS, 11.4 SECOND-FEET.

CHANNEL AND CONTROL: CHANNEL - SHIFTING SAND AND GRAVEL.

ACCURACY: FAIR.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 536 SECOND-FEET JANUARY 22 (GAGE HEIGHT 6.78 FEET).
MINIMUM: NO FLOW AT VARIOUS TIMES.
1964-65
MAXIMUM: 1390 SECOND-FEET MARCH 16 (GAGE HEIGHT 7.18 FEET).
MINIMUM: NO FLOW AT VARIOUS TIMES.
1952-65
MAXIMUM: 9100 SECOND-FEET FEBRUARY 11, 1962.
MINIMUM: NO FLOW AT VARIOUS TIMES.

REMARKS: FLOW AT STATION AFFECTED BY PUMPING FROM WELLS ALONG STREAM FOR IRRIGATION ABOVE STATION.

COOPERATION: RECORDS FURNISHED BY VENTURA COUNTY WATER RESOURCES DIVISION. THIRTY-SEVEN DISCHARGE MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

74DT4M Gfb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. V309-R

Daily discharge, in second-feet of SANTA CLARA RIVER at Blue Cut for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.6	1.0	1.2	1.9	1.8	84	1.9	1.1	0.4	0	0
2	0.4	0.7	1.0	1.2	1.8	1.9	2.3	1.7	1.1	0.4	0	0
3	0.5	0.8	1.0	1.2	1.6	1.8	2.1	1.5	1.4	0.3	0	0
4	0.6	0.8	1.0	1.4	1.6	1.8	1.9	1.5	1.2	0.3	0	0
5	0.6	0.8	1.1	1.4	1.6	1.8	1.7	1.5	1.1	0.3	0	0
6	0.5	1.4	1.4	1.4	1.6	1.8	1.7	1.5	1.1	0.2	0	0
7	0.5	0.9	1.4	1.4	1.6	1.8	1.7	1.5	1.1	0.2	0	0
8	0.4	0.8	1.1	1.2	1.6	1.8	1.7	1.4	1.1	0.2	0	0
9	0.4	0.7	1.4	1.2	1.6	1.8	1.7	1.4	1.1	0.2	0	0
10	0.4	0.6	1.4	1.2	1.6	1.8	1.5	1.2	0.9	0.2	0	0
11	0.4	0.6	1.4	1.2	1.6	1.8	1.5	1.2	0.9	0.2	0	0
12	0.5	0.6	1.4	1.2	1.6	1.8	1.4	1.2	0.9	0.5	0	0
13	0.5	0.7	1.4	1.2	1.8	1.6	1.2	1.2	0.9	0.6	0	0
14	0.5	0.8	1.4	1.2	1.8	1.6	1.2	1.2	0.9	0.3	0	0
15	0.5	1.5	1.4	1.2	1.8	1.8	1.4	1.2	0.9	0.2	0	0
16	0.8	1.1	1.4	1.2	1.8	1.8	1.4	1.2	0.9	0.2	0.2	0
17	0.7	1.1	1.5	1.1	1.8	1.8	1.4	1.1	0.7	0.2	0.2	0
18	0.8	1.1	1.2	1.1	1.6	1.8	1.4	0.9	0.6	0.1	0.1	0
19	0.8	1.4	1.2	1.1	1.6	1.9	1.4	0.8	0.6	0.1	0	0
20	0.7	3.0	1.2	1.1	1.6	1.9	1.2	0.7	0.6	0.1	0	0
21	0.8	1.5	1.2	26	1.6	1.9	1.2	0.8	0.6	0.1	0	0
22	0.7	1.2	1.2	88	1.8	3.3	1.4	0.9	0.6	0.1	0	0
23	0.6	1.2	1.2	2.7	1.8	5.5	1.4	0.9	0.6	0.1	0	0
24	0.5	1.2	1.2	2.4	1.8	1.9	1.4	1.1	0.6	0	0	0
25	0.5	1.1	1.2	2.2	1.8	2.0	1.5	1.2	0.5	0	0	0
26	0.5	1.1	1.2	2.2	1.8	2.0	1.5	1.2	0.4	0	0	0
27	0.6	1.1	1.2	2.0	1.8	1.9	1.7	1.2	0.4	0	0	0
28	0.6	1.1	1.2	2.0	1.9	1.8	2.1	1.1	0.4	0	0	0
29	0.7	1.0	1.1	2.0	1.9	1.6	2.1	1.1	0.4	0.1	0	0
30	0.7	1.0	1.1	2.0		1.6	2.1	1.1	0.4	0	0	0
31	0.7		1.2	2.0		1.9		1.1		0	0	
	17.8	31.5	38.3	157.9	49.7	61.3	130.2	37.5	24.0	5.6	0.5	0
MEAN	0.57	1.05	1.24	5.09	1.71	1.98	4.34	1.21	0.80	0.18	0.02	0
ACRE-FEET	35.	62.	76.	313.	99.	122.	258.	74.	48.	11.	1.0	0

Remarks:

YEAR OR PERIOD MEAN 1.51
ACRE-FEET 1,100.

75D14M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. V309-R

Daily discharge, in second-feet of SANTA CLARA RIVER at Los Angeles–Ventura County Line, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.4	0.7	1.1	1.1	0.9	46	1.4	0.8	0.1	0	0
2	0	0.4	0.8	0.9	1.1	0.8	95	1.2	0.8	0.1	0.1	0
3	0	0.3	0.9	0.9	0.9	0.9	26	1.2	0.7	0.1	0	0
4	0	0.2	0.9	0.9	0.9	0.9	29	1.2	0.6	0.1	0	0
5	0	0.2	1.1	0.9	0.9	1.1	3.0	1.2	0.6	0	0	0
6	0	0.2	1.2	1.1	2.3	1.2	2.8	1.2	0.6	0	0	0
7	0	0.2	0.9	1.2	1.7	1.7	2.5	1.1	0.7	0	0	0
8	0	0.3	0.8	1.1	1.4	1.2	185	0.9	0.7	0.3	0	0
9	0	0.4	0.8	1.1	1.4	1.2	254	0.8	0.7	0.1	0	0
10	0	0.5	0.8	1.1	1.4	1.4	91	0.8	0.7	0.2	0	0
11	0	0.5	0.9	1.1	1.1	1.5	3.8	0.8	0.7	0.2	0	0
12	0	0.5	0.9	1.1	1.1	1.7	3.0	0.9	0.7	0.2	0	0
13	0	0.4	0.8	1.1	1.2	1.7	3.2	1.1	0.7	0.2	0	0
14	0	0.4	0.8	1.1	1.2	1.5	3.0	1.1	0.7	0.1	0	0
15	0	0.4	0.8	1.1	1.2	1.9	2.8	0.8	0.7	0.1	0	0
16	0	0.5	0.9	0.9	1.2	1.5	2.5	0.7	0.7	0.4	0	0
17	0	0.7	1.2	0.9	1.2	1.4	2.3	0.7	0.7	0.1	0	0
18	0	0.6	1.2	0.9	1.2	1.5	2.1	0.7	0.6	0.1	0	0
19	0	0.5	1.4	0.9	1.2	1.5	2.1	0.8	0.6	0.1	0	0.1
20	0	0.5	3.0	0.9	1.1	1.2	1.9	0.9	0.6	0.1	0	0.1
21	0	0.5	1.9	0.9	1.1	0.8	1.9	0.8	0.6	0.1	0	0
22	0	0.5	1.2	0.9	1.1	0.8	2.1	0.8	0.6	0.1	0	0
23	0	0.6	1.1	0.9	1.1	1.2	1.7	0.8	0.7	0.1	0	0
24	0	1.1	1.1	1.1	0.9	1.2	1.5	0.9	0.7	0.1	0	0
25	0	1.2	1.1	0.9	0.9	1.2	1.4	0.8	0.9	0.2	0	0
26	0	0.8	1.1	0.9	0.9	1.1	1.4	0.8	0.8	0.6	0.1	0
27	0.1	0.7	1.7	0.9	0.9	0.9	1.4	0.8	0.3	0.2	0.1	0
28	0.4	0.7	1.5	0.9	0.9	0.9	1.4	0.8	0.4	0	0	0
29	0.5	0.7	1.4	0.9		0.9	1.4	0.8	0.4	0	0	0
30	0.4	0.6	1.2	1.1		0.9	1.4	0.8	0.4	0	0	0
31	0.4		1.2	1.1		1.9		0.8		0	0	
	1.8	15.5	35.2	30.3	32.6	38.5	776.6	28.4	19.4	4.0	0.3	0.2
MEAN	0.06	0.52	1.14	0.99	1.16	1.24	25.9	0.92	0.65	0.13	0.01	0.01
ACRE-FEET	3.6	31.	70.	61.	65.	76.	1,540.	56.	38.	7.9	0.6	0.4

Remarks:

YEAR OR PERIOD MEAN 2.69
ACRE-FEET 1,950.

STATION F280–R
SANTA FE CHANNEL below Santa Fe Dam

LOCATION: LAT. 34°06'46", LONG. 117°58'14", ON THE LEFT (SOUTH) BANK OF SANTA FE CHANNEL (THE DIVERSION CANAL), 400 FEET DOWNSTREAM FROM THE STILLING BASIN OUTLET AT SANTA FE DAM AND 1.5 MILES NORTH OF BALDWIN PARK. ELEVATION OF ZERO GAGE HEIGHT, 401.94 FEET.

DRAINAGE AREA: CONTROLLED.

CHANNEL AND CONTROL: CHANNEL – SAND AND GRAVEL.
CONTROL – CONCRETE APRON THREE FEET WIDE, TEN FEET BELOW STATION.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM FOOTBRIDGE ABOVE CONTROL.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW REGULATED BY FIVE GATED OPENINGS FROM THE STILLING BASIN OUTLET OF SANTA FE DAM TO SANTA FE CHANNEL.

RECORDS AVAILABLE: OCTOBER 1, 1942 TO MAY 12, 1944. FLOW DETERMINED BY GATE OPENINGS AND MEASUREMENTS. RECORDER RECORDS FROM MAY 12, 1944 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963–64
NO FLOW ENTIRE SEASON.
1964–65
NO FLOW ENTIRE SEASON.
1943–65
MAXIMUM: 839 SECOND-FEET, NOVEMBER 3, 1952.
MINIMUM: NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

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

STATION F125–R
SANTIAGO CREEK above Little Rock Creek

LOCATION: LAT. 34°28'02", LONG. 118°01'17" ON THE RIGHT (SOUTH) BANK ABOUT 1000 FEET ABOVE LITTLE ROCK CREEK AND ABOUT FOUR AND ONE HALF MILES SOUTH OF LITTLE ROCK. ELEVATION OF GAGE ABOUT 3280 FEET.

DRAINAGE AREA: 11.2 SQUARE MILES.

CHANNEL AND CONTROL: SAND, GRAVEL AND BOULDERS.
CONTROL – CONCRETE AND RUBBLE WALL, BUILT APRIL 1960.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING NEAR STATION, HIGH FLOWS MEASURED FROM CABLE CAR 1000 FEET BELOW.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: NONE.

RECORDS AVAILABLE: SEPTEMBER 29, 1953 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963–64
MAXIMUM: 0.6 SECOND–FOOT APRIL 2.
MINIMUM: NO FLOW MOST OF YEAR.
1964–65
MAXIMUM: 4.0 SECOND–FEET APRIL 19 AND 20.
MINIMUM: NO FLOW MOST OF YEAR.
1953–65
MAXIMUM: 199 SECOND–FEET FEBRUARY 11, 1962.
MINIMUM: NO FLOW PART OF EACH YEAR.

ACCURACY: GOOD.

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

76D75M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F125–R

Daily discharge, in second-feet of SANTIAGO CREEK above Little Rock Creek, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	+	0	0	0	0
2	0	0	0	0	0	0	0.4		0	0	0	0
3	0	0	0	0	0	0	0.4		0	0	0	0
4	0	0	0	0	0	0	0.2	+	0	0	0	0
5	0	0	0	0	0	0	0.2	0.1	0	0	0	0
6	0	0	0	0	0	0	0.2	0.1	0	0	0	0
7	0	0	0	0	0	0	0.2	0.2	0	0	0	0
8	0	0	0	0	0	0	0.2	0.1	0	0	0	0
9	0	0	0	0	0	0	0.2	+	0	0	0	0
10	0	0	0	0	0	0	0.2	+	0	0	0	0
11	0	0	0	0	0	0	0.2	+	0	0	0	0
12	0	0	0	0	0	0	0.2	0	0	0	0	0
13	0	0	0	0	0	0	0.2	0	0	0	0	0
14	0	0	0	0	0	0	0.2	0	0	0	0	0
15	0	0	0	0	0	0	0.1	0	0	0	0	0
16	0	0	0	0	0	0	0.1	0	0	0	0	0
17	0	0	0	0	0	0	0.1	0	0	0	0	0
18	0	0	0	0	0	0	0.2	0	0	0	0	0
19	0	0	0	0	0	0	0.2	0	0	0	0	0
20	0	0	0	0	0	0	0.2	0	0	0	0	0
21	0	0	0	0	0	0	0.1	0	0	0	0	0
22	0	0	0	0	0	0	0.1	0	0	0	0	0
23	0	0	0	0	0	0	0.1	0	0	0	0	0
24	0	0	0	0	0	0	0.1	0	0	0	0	0
25	0	0	0	0	0	0	0.1	0	0	0	0	0
26	0	0	0	0	0	0	0.1	0	0	0	0	0
27	0	0	0	0	0	0	0.1	0	0	0	0	0
28	0	0	0	0	0	0	0.1	0	0	0	0	0
29	0	0	0	0	0	0	0.1	0	0	0	0	0
30	0	0	0	0		0		0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	0	0	0	0	0	4.8	0.5	0	0	0	0
MEAN	0	0	0	0	0	0	0.16	0.02	0	0	0	0
ACRE-FEET	0	0	0	0	0	0	9.5	1.0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.01
ACRE-FEET 10.

7607CM Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F125-R

Daily discharge, in second-feet of SANTIAGO CREEK above Little Rock Creek, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0.3	0	0	0	0
2	0	0	0	0	0	0	0	0.3	0	0	0	0
3	0	0	0	0	0	0	0	0.3	0	0	0	0
4	0	0	0	0	0	0	0	0.3	0	0	0	0
5	0	0	0	0	0	0	0	0.3	0	0	0	0
6	0	0	0	0	0	0	0	0.3	0	0	0	0
7	0	0	0	0	0	0	0	0.3	0	0	0	0
8	0	0	0	0	0	0	0	0.3	0	0	0	0
9	0	0	0	0	0	0	+	0.2	0	0	0	0
10	0	0	0	0	0	0	1.1	0.2	0	0	0	0
11	0	0	0	0	0	0	1.1	0.2	0	0	0	0
12	0	0	0	0	0	0	1.1	0.2	0	0	0	0
13	0	0	0	0	0	0	1.2	0.1	0	0	0	0
14	0	0	0	0	0	0	1.5	0.1	0	0	0	0
15	0	0	0	0	0	0	1.8	+	0	0	0	0
16	0	0	0	0	0	0	2.6	0	0	0	0	0
17	0	0	0	0	0	0	2.9	0	0	+	0	0
18	0	0	0	0	0	0	3.2	0	0	0	0	0
19	0	0	0	0	0	0	3.5	0	0	0	0	0
20	0	0	0	0	0	0	3.5	0	0	0	0	0
21	0	0	0	0	0	0	3.5	0	0	0	0	0
22	0	0	0	0	0	0	2.9	0	0	0	0	0
23	0	0	0	0	0	0	2.6	0	0	0	0	0
24	0	0	0	0	0	0	1.8	0	0	0	0	0
25	0	0	0	0	0	0	1.5	0	0	0	0	0
26	0	0	0	0	0	0	1.4	0	0	0	0	0
27	0	0	0	0	0	0	1.2	0	0	0	0	0
28	0	0	0	0	0	0	0.8	0	0	0	0	0
29	0	0	0	0		0	0.6	0	0	0	0	0
30	0	0	0	0		0	0.4	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	0	0	0	0	0	40.2	3.4	0	+	0	0
MEAN	0	0	0	0	0	0	1.34	0.11	0	+	0	0
ACRE-FEET	0	0	0	0	0	0	80.	6.7	0	+	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.12
ACRE-FEET 87.

STATION F278-R
SAWPIT CREEK below Sawpit Dam

LOCATION: LAT. 34°10'28", LONG. 117°59'16", ON THE RIGHT (NORTH) SIDE OF THE STREAM, ABOUT 500 FEET DOWNSTREAM FROM SAWPIT DAM AND ABOUT 2.5 MILES NORTH OF MONROVIA. ELEVATION OF GAGE 1199.27 FEET.

DRAINAGE AREA: 3.3 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL – SAND AND GRAVEL. A BROAD-CRESTED WEIR FORMS THE CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW REGULATED BY SAWPIT DAM. STATION F278-R MEASURES OUTLET DISCHARGE. SPILLWAY DISCHARGE ENTERS SAWPIT CREEK BELOW THE STATION.

DIVERSIONS: CITY OF MONROVIA DIVERTS FLOW ABOVE SAWPIT DAM.

RECORDS AVAILABLE: FEBRUARY 6, 1942 TO SEPTEMBER 30, 1965. OUTFLOW RECORDS FROM SAWPIT DAM ARE AVAILABLE COMMENCING OCTOBER 1, 1931.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 400 SECOND-FEET MAY 12.
MINIMUM: NO FLOW PART OF YEAR.
1964-65
MAXIMUM: 23 SECOND-FEET APRIL 9.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1942-65
MAXIMUM: 665 SECOND-FEET, MARCH 2, 1938, BASED ON DAM OPERATION RECORDS AND INCLUDING SPILLWAY FLOW. SPILLWAY FLOW BY-PASSED STATION.
MAXIMUM: OUTLET DISCHARGE FROM SAWPIT DAM, 400 SECOND FEET MAY 12, 1964.
MINIMUM: NO FLOW VARIOUS PERIODS EACH YEAR.

ACCURACY: GOOD.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F278-R

Daily discharge, in second-feet of SAWPIT CREEK below Sawpit Dam, for the year ending September 30, 19 64

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	C	0	0	0	0.1	0.1	3.6	1.4	0.3	0.2	0.2	0
2	0	0	0	0	0.1	0.3	1.7	1.4	0.3	0.2	0.2	0
3	0	0	0	0	0.1	0.2	1.1	1.4	0.3	0.2	0.2	0
4	0	0	0	0	0.1	0.1	0.8	1.5	a 0.3	0.2	0.2	0
5	0	0	0	0	0.1	0.1	0.8	1.0	0.3	0.2	0.2	0
6	0	+	0	0	0.1	0.1	0.6	0.6	0.3	0.2	0.2	0
7	0	0	0	0	0.1	0.1	0.5	0.2	0.3	0.2	0.2	0
8	0	0	0	0	0.1	0.1	0.5	0	0.3	0.2	0.2	0
9	0	0	0	0	0.1	0.1	0.5	0	0.3	0.2	0.1	0
10	0	0	0	0	0.1	0.1	0.4	0	0.3	0.2	0.1	0
11	0	0	0	0	0.1	0.1	0.4	0	a 0.3	0.2	0.1	0
12	0	0	0	0	0.1	0.1	0.4	e 11.5	0.3	0.2	0.1	0
13	0	0	0	0	0.1	0.2	0.3	b 2.6	0.3	0.2	0.1	0
14	0	0	0	0	0.1	0.1	0.3	2.0	0.3	0.2	0.1	0
15	0	0	0	0	0.1	0.1	0.2	1.5	0.3	0.2	0.1	0
16	b 0.06	0	0	0	0.2	0.4	0.2	1.0	0.3	0.2	0.1	0
17	0	0	0	0	0.1	0.2	0.2	0.9	0.3	0.2	0.1	0
18	0	0	0	0	0.1	0.1	0.3	b 0.9	0.3	0.2	0.1	0
19	0	0	0	0	0.1	0.1	0.4	1.0	0.3	0.2	0.1	0
20	0	0.7	0	0	0.1	0.1	0.3	1.0	0.3	0.2	0.1	0
21	0	0.3	0	2.4	0.1	0.1	0.2	1.0	0.3	0.2	0.1	0
22	0	0.2	0	2.9	0.1	0.5	0.2	1.0	0.3	0.2	0.1	0
23	0	0.2	0	1.1	0.1	1.3	0.2	1.0	0.3	0.2	0.1	0
24	0	0.1	0	0.8	0.1	1.0	0.2	1.0	0.3	0.2	0.1	0
25	0	0.1	0	0.8	0.1	0.8	0.2	1.0	0.3	0.2	0.1	0
26	0	0.05	0	0.6	0.1	0.4	0.2	0.3	0.3	0.2	0.1	0
27	0	0.01	0	0.4	0.2	0.3	0.2	0.3	0.3	0.2	0.1	0
28	0	e 0.01	0	0.3	0.1	0.2	0.3	0.3	0.3	0.2	0	0
29	0	e 0.01	0	0.2	0.1	0.1	0.3	0.3	0.2	0.2	0	0
30	0	e 0.01	0	0.2		0.1	1.0	0.3	0.2	0.2	0	0
31	0		0	0.2		0.2		0.3		0.2	0	
	0.06	1.69	0	9.9	3.1	7.8	16.5	36.7	8.8	6.2	3.5	0
MEAN	+	0.06	0	0.32	0.11	0.25	0.55	1.18	0.29	0.20	0.11	0
ACRE-FEET	0.1	3.4	0	20.	6.2	15.	33.	73.	17.	12.	7.0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.26
ACRE-FEET 187.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F278-R

Daily discharge, in second-feet of SAWPIT CREEK below Sawpit Dam, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.4	0.3	0.2	2.9	1.2	0.3	a 0.1	0.1	0
2	0	0	0	0.4	0.3	0.1	3.8	1.1	0.3	a 0.1	0.02	0
3	0	0	0	0.4	0.3	0.1	2.9	1.0	0.3	0.04	0.02	0
4	0	0	0	0.3	0.3	0.1	2.3	0.8	0.3	0.03	0.02	0
5	0	0	0	a 0.3	0.3	0.1	2.0	0.8	0.3	0.02	0.02	0.01
6	0	0	0	a 0.3	0.3	0.2	1.7	0.8	0.3	0.01	0.02	0.1
7	0	0	0	f 1.0	0.4	0.2	1.4	0.8	0.3	0.01	0.02	0.1
8	0	0	0	0.4	0.4	0.2	3.4	0.8	0.4	0.01	0.02	0.1
9	0	+	0	0.4	0.4	0.2	6.9	0.6	0.3	0.01	0.02	0.1
10	0	+	0	0.3	0.3	0.2	10.4	0.6	0.3	0.01	0.02	0.1
11	0	0	0	0.3	0.3	0.3	6.1	0.6	0.3	0.01	0.02	0.1
12	0	0	0	0.3	0.2	0.3	4.8	0.6	c 0.3	0.01	0.02	0.01
13	0	0	0	0.3	0.2	0.3	3.9	0.4	0.3	0.01	0.02	0.01
14	0	0	0	0.3	0.2	0.3	3.2	0.4	0.3	0.01	0.02	0.01
15	0	0	0	0.3	0.2	0.3	2.6	0.4	0.3	0.01	0.02	0.01
16	0	0	0	0.3	0.2	0.3	2.4	0.4	0.3	0.1	0.02	0.01
17	0	+	0	0.3	0.2	0.3	2.2	0.4	c 0.3	0.5	0.03	0.02
18	0	0	0	0.3	0.2	0.3	2.0	0.4	0.2	0.4	0.03	0.02
19	0	0	0	0.3	0.2	0.3	1.8	0.4	0.2	0.3	0.03	0.03
20	0	0	0	0.3	0.2	0.3	1.7	0.2	0.2	0.2	0.03	0.03
21	0	0	0.4	0.3	0.2	0.2	1.6	0.2	0.3	0.2	0.03	0.02
22	0	0	0.4	0.3	0.2	0.2	1.5	0.2	0.3	0.2	0.03	0.01
23	0	0	0.3	0.3	0.2	0.2	1.5	0.2	0.3	0.2	0.03	0.01
24	0	0	0.3	0.3	0.2	0.2	1.5	0.3	0.3	0.2	0.03	0
25	0	0	0.3	0.3	0.2	0.1	1.5	0.3	0.3	0.2	0.03	0
26	0	0	0.3	0.3	0.2	0.1	1.5	0.2	0.4	0.1	0.03	0
27	0	0	1.1	0.3	0.2	0.1	1.5	0.2	0.3	0.1	0	0
28	0	0	1.1	0.3	0.2	0.1	1.5	0.2	0.3	0.1	0	0
29	0	0	0.7	0.3		0.1	1.3	0.2	0.2	0.1	0	0
30	0	0	0.6	0.3		0.1	1.3	0.2	0.1	0.2	0	0
31	0		0.5	0.3		0.5		0.3		0.1	0	
	0	+	6.0	10.5	7.0	6.5	83.1	15.2	8.6	3.59	0.70	0.80
MEAN	0	+	0.2	0.34	0.25	0.21	2.77	0.49	0.29	0.12	0.02	0.03
ACRE-FEET	0	+	12.	21.	14.	13.	165.	30.	17.	7.1	1.4	1.6

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.39
ACRE-FEET 282.

STATION U5–R

SAWPIT CREEK below Monrovia Canyon

LOCATION: LAT. 34°10'23", LONG. 117°59'18", ON LEFT BANK, 0.1 MILE DOWNSTREAM FROM MONROVIA CREEK, ABOUT 2.0 MILES NORTH OF MONROVIA. ALTITUDE OF GAGE 1107.29 FEET.

DRAINAGE AREA: 5.3 SQUARE MILES.

CHANNEL AND CONTROL: CONCRETE CONTROL SECTION 33 FEET WIDE AND 15.5 FEET LONG AT STATION WITH NOTCHES FOR LOW, INTERMEDIATE AND HIGH FLOWS.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 19, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW PARTLY REGULATED BY SAWPIT DAM.

DIVERSION: CITY OF MONROVIA DIVERTS WATER ABOVE STATION IN BOTH SAWPIT AND MONROVIA CANYONS. THESE DIVERSIONS WERE 500 ACRE-FEET IN 1963–64 AND 507 ACRE-FEET IN 1964–65.

RECORDS AVAILABLE: NOVEMBER 1916 TO SEPTEMBER 1965.

EXTREMES OF DISCHARGE:

1963–64
- MAXIMUM: 359 SECOND-FEET MAY 12.
- MINIMUM: PLUS FLOW PART OF YEAR.

1964–65
- MAXIMUM: 41 SECOND-FEET APRIL 9.
- MINIMUM: PLUS FLOW DURING MOST OF YEAR.

1916–65
- MAXIMUM: ABOUT 1800 SECOND-FEET MARCH 2, 1938.
- MINIMUM: NO FLOW DURING PARTS OF MOST YEARS.

ACCURACY: RECORDS FAIR.

OPERATION: LOCATED AND CONSTRUCTED BY THE UNITED STATES GEOLOGICAL SURVEY AND OPERATED BY THE UNITED STATES GEOLOGICAL SURVEY UNTIL SEPTEMBER 1961. OPERATION ASSUMED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN OCTOBER, 1961.

FD314M Gls 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U5-R

Daily discharge, in second-feet of SAWPIT CREEK below Monrovia Creek, for the year ending September 30, 19 64

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.01	0.02	0.01	0.02	0.01	0.01	7.8	0.2	0.4	d 0.02	d 0.02	d 0.01
2	0.01	0.02	0.01	0.02	0.01	0.03	3.0	0.5	0.4	0.02	0.02	d 0.01
3	0.01	0.02	0.01	0.02	0.01	0.01	1.7	0.5	0.4	0.01	0.01	d 0.01
4	0.01	0.04	0.01	0.02	0.01	0.01	1.3	0.6	0.4	0.01	0.01	0.01
5	0.01	0.05	0.01	0.02	0.01	0.01	1.3	0.3	0.4	0.02	0.01	0.01
6	0.02	0.2	0.01	0.02	0.01	0.01	0.5	0.02	0.3	0.02	0.01	0.01
7	0.04	0.05	0.01	0.02	0.01	0.01	0.02	0.01	0.3	0.01	0.01	0.01
8	0.02	0.03	0.01	0.02	0.01	0.01	0.01	0.01	0.3	0.01	0.01	0.01
9	0.02	0.03	0.01	0.02	0.01	0.01	0.01	0.01	0.3	0.02	0.01	0.01
10	0.02	0.03	0.02	0.02	0.01	0.01	0.01	0.01	b 0.4	0.03	0.01	0.01
11	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.4	0.03	0.01	0.01
12	0.02	0.01	0.02	0.02	0.01	0.3	0.01	12	0.4	0.02	0.01	0.01
13	0.02	0.01	0.02	0.02	0.01	0.3	0.01	2.5	0.4	0.02	0.01	0.01
14	0.02	a 0.04	0.02	0.02	0.01	0.02	0.01	b 2.0	0.4	0.02	0.01	0.01
15	0.02	a 0.8	0.02	0.02	0.01	0.03	0.01	1.5	0.4	0.02	0.01	0.01
16	0.4	0.6	0.02	0.02	0.01	0.03	0.01	1.0	0.4	0.02	0.01	0.01
17	0.5	0.4	0.02	0.02	0.01	0.02	0.01	b 0.9	0.4	0.02	0.01	0.01
18	0.4	0.2	0.02	0.02	0.01	0.02	0.01	0.9	0.3	0.02	0.01	0.01
19	0.2	0.2	0.02	0.03	0.01	0.03	0.01	0.9	0.3	0.02	0.1	0.01
20	0.05	1.4	0.02	0.2	0.01	0.02	0.01	1.0	0.3	0.02	0.01	0.01
21	0.04	0.3	0.02	5.6	0.01	0.02	0.01	1.1	0.3	0.02	0.01	0.01
22	0.02	0.05	0.02	5.3	0.01	0.8	0.01	1.2	0.3	0.02	0.01	0.01
23	0.03	0.04	0.02	1.4	0.01	1.6	0.01	1.1	b 0.1	0.02	0.01	0.01
24	0.03	0.04	0.02	0.5	0.04	1.4	0.01	0.8	b 0.02	0.02	0.01	0.01
25	0.02	0.04	0.02	0.08	0.05	1.1	0.01	0.8	0.02	0.02	0.01	0.01
26	0.01	0.04	0.02	0.2	0.01	0.3	0.04	0.8	0.02	0.02	0.1	0.01
27	0.01	0.02	0.02	0.2	0.01	0.01	0.03	0.5	0.02	0.02	0.01	0.01
28	0.02	0.01	0.02	0.03	0.01	0.01	0.3	0.4	0.02	0.02	0.01	0.01
29	0.02	0.01	0.02	0.03	0.01	0.01	0.5	0.4	0.02	0.02	0.01	0.01
30	0.02	0.01	0.02	0.01		0.01	0.5	0.4	0.02	0.02	0.01	0.01
31	0.02		0.02	0.01		0.4		0.4		d 0.02	d 0.01	
	2.06	4.73	0.53	13.95	0.36	6.56	17.17	32.78	8.14	0.60	0.51	0.30
MEAN	0.07	0.16	0.02	0.45	0.01	0.21	0.57	1.06	0.27	0.02	0.02	0.01
ACRE-FEET	4.1	9.4	1.1	28.	0.7	13.	34.	65.	16.	1.2	1.0	0.6

Remarks:

YEAR OR PERIOD MEAN 0.24
ACRE-FEET 174.

76D74M GFb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U5-R

Daily discharge, in second-feet of SAWPIT CREEK below Monrovia Canyon, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.01	0.01	0.01	0.1	0.02	0.01	4.5	0.1	0.01	0.01	0.02	0.01
2	0.01	0.01	0.01	0.04	0.02	0.01	6.2	0.1	0.01	0.01	0.01	0.01
3	0.01	0.01	0.01	0.2	0.02	0.01	4.5	0.04	0.01	0.01	0.01	0.01
4	0.01	0.01	0.01	0.08	0.02	0.01	3.2	0.02	0.01	0.01	0.01	0.01
5	0.01	0.01	0.01	0.04	0.4	0.01	2.9	0.02	0.01	0.01	0.01	0.02
6	0.01	0.01	0.01	0.2	0.9	0.01	2.4	0.02	0.01	0.01	0.01	0.2
7	0.01	0.01	0.01	1.6	0.3	0.6	2.1	0.02	0.01	0.01	0.01	0.03
8	0.01	0.01	0.01	0.6	0.03	0.3	5.4	0.1	0.02	0.01	0.01	0.01
9	0.01	0.4	0.01	0.05	0.02	0.01	12	0.1	0.02	0.01	0.01	0.01
10	0.01	0.4	0.01	0.05	0.02	0.02	12	0.03	0.02	0.01	0.01	0.01
11	0.01	0.1	0.01	0.04	0.02	0.2	6.4	0.02	0.02	0.01	0.01	0.01
12	0.01	0.03	0.01	0.04	0.02	0.5	5.5	0.2	0.02	0.01	0.01	0.01
13	0.01	0.03	0.01	0.03	0.02	0.8	4.4	0.2	0.02	0.01	0.01	0.01
14	0.01	0.03	0.01	0.03	0.02	0.5	4.2	0.02	0.02	0.01	0.01	0.01
15	0.01	0.02	0.01	0.2	0.02	0.3	3.3	0.02	0.02	0.01	0.01	0.01
16	0.01	0.02	0.01	0.2	0.02	0.2	2.8	0.03	0.02	0.01	0.01	0.01
17	0.01	0.1	0.01	0.03	0.02	0.01	2.4	0.03	0.02	0.5	0.01	0.01
18	0.01	0.01	0.08	0.04	0.02	0.01	3.5	0.03	0.02	0.01	0.02	0.01
19	0.01	0.01	0.3	0.03	0.2	0.01	2.5	0.03	0.01	0.01	0.02	0.04
20	0.01	0.01	0.6	0.03	0.3	0.01	1.3	0.03	0.01	0.01	0.01	0.05
21	0.01	0.01	0.8	0.02	0.2	0.01	1.1	0.03	0.01	0.01	0.01	0.02
22	0.01	0.03	0.3	0.3	0.1	0.01	0.7	0.03	0.01	0.01	0.01	0.01
23	0.01	0.08	0.02	0.2	0.05	0.01	0.3	0.03	0.01	0.01	0.01	0.01
24	0.01	0.05	0.01	0.5	0.01	0.01	0.3	0.03	0.01	0.01	0.01	0.01
25	0.01	0.03	0.01	0.04	0.01	0.2	0.5	0.03	0.01	0.03	0.01	0.01
26	0.01	0.02	0.01	0.02	0.01	0.4	0.4	0.02	0.01	0.04	0.01	0.01
27	0.01	0.02	0.9	0.02	0.01	0.3	0.1	0.01	0.01	0.01	0.01	0.01
28	0.01	0.01	1.5	0.02	0.01	0.3	0.03	0.01	0.01	0.01	0.01	0.01
29	0.01	0.01	0.7	0.02		0.2	0.03	0.01	0.01	0.01	0.01	0.01
30	0.01	0.01	0.05	0.02		0.01	0.03	0.02	0.01	0.05	0.01	0.01
31	0.01		0.1	0.02		1.2		0.02		0.02	0.01	
	0.31	1.51	5.55	4.81	2.81	6.18	94.99	1.40	0.41	0.90	0.34	0.60
MEAN	0.01	0.05	0.18	0.16	0.10	0.20	3.17	0.04	0.01	0.03	0.01	0.02
ACRE-FEET	0.6	3.0	11.	9.5	5.6	12.	188.	2.8	0.8	1.8	0.7	1.2

Remarks:

YEAR OR PERIOD MEAN 0.33
ACRE-FEET 238.

STATION F194B-R
SAWPIT WASH below Arrow Highway

LOCATION: LAT. 34°06'27", LONG 118°00'18", ON THE LEFT (EAST) BANK OF THE CHANNEL 1500 FEET BELOW ARROW HIGHWAY AND THREE MILES SOUTH OF MONROVIA. ELEVATION OF ZERO GAGE HEIGHT 322.79 FEET.

DRAINAGE AREA: 16.1 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL – RECTANGULAR CONCRETE 35 FEET WIDE AND 15 FEET DEEP. BOTTOM IS WARPED 0.3 FOOT TOWARD STATION.
CONTROL – CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FOOTBRIDGE 80 FEET ABOVE STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW PARTIALLY REGULATED BY SAWPIT DAM, SAWPIT DEBRIS BASIN, BUENA VISTA PIT, SANTA FE DAM AND SEVERAL DEBRIS BASINS.

DIVERSIONS: THE CITY OF MONROVIA DIVERTS WATER FROM MONROVIA CREEK AND SAWPIT CREEK FOR MUNICIPAL USE. THE FLOOD CONTROL DISTRICT DIVERTS FOR SPREADING AT THE MOUTH OF SAWPIT CANYON AND TO BUENA VISTA PIT.

RECORDS AVAILABLE: DECEMBER 5, 1960 TO SEPTEMBER 30, 1965. (AT STATION F194-R FROM FEBRUARY 22, 1932 TO SEPTEMBER 1935.)

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 682 SECOND-FEET JANUARY 22.
MINIMUM: PLUS FLOW VARIOUS TIMES.
1964-65
MAXIMUM: 1290 SECOND-FEET APRIL 9.
MINIMUM: PLUS FLOW AT VARIOUS TIMES.
1960-65
MAXIMUM: 1300 SECOND-FEET FEBRUARY 11, 1962.
MINIMUM: PLUS FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

OPERATION: LOCATED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT. CONSTRUCTED BY THE UNITED STATES CORPS OF ENGINEERS.

760T4M C4b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F194B-R

Daily discharge, in second-feet of SAWPIT WASH below Arrow Highway, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.1	0.3	0.8	0.03	0.1	0.2	43	3.4	0.6	0.06	0.1	0.1
2	0.8	1.0	1.0	0.05	0.5	0.9	0.6	1.8	0.6	0.06	0.03	0.04
3	0.6	1.0	0.8	0.1	0.05	a 0.6	0.3	0.6	0.5	0.05	0.1	0.3
4	1.1	1.0	1.0	0.2	0.04	a 0.2	0.6	0.5	0.6	0.03	0.1	0.1
5	1.1	1.0	0.6	0.02	0.06	a 0.3	1.0	1.0	0.5	0.02	0.04	0.1
6	0.5	19.9	0.3	0.04	0.1	0.1	0.8	1.7	0.6	0.04	0.06	0.05
7	0.3	1.5	0.2	0.1	0.06	0.8	0.8	0.6	0.8	0.06	0.04	0.1
8	0.3	0.6	0.1	0.3	0.05	0.1	1.0	0.1	1.5	0.06	0.05	0.04
9	0.3	0.3	0.6	0.8	0.01	0.04	0.8	0.05	6.0	0.06	0.05	0.1
10	0.1	0.3	0.3	0.2	0.02	0.1	1.0	0.03	1.0	0.05	0.8	0.04
11	0.2	0.3	0.2	0.05	0.02	0.06	0.8	0.04	0.8	0.04	0.6	0.05
12	0.05	0.3	0.1	0.04	0.02	7.6	0.1	0.05	0.8	0.03	0.04	0.05
13	0.05	0.3	0.1	0.04	0.04	0.8	0.04	0.06	0.6	0.04	0.03	0.1
14	0.06	0.3	0.1	0.1	0.05	0.2	0.06	0.06	0.6	0.06	0.04	1.1
15	0.1	18.8	0.05	0.5	0.04	0.01	0.05	0.1	0.8	0.06	0.1	0.6
16	33	0.8	0.05	0.6	0.03	0.03	0.06	0.1	1.0	0.06	0.1	0.3
17	1.1	0.3	0.1	0.1	0.05	0.1	0.06	1.0	0.8	0.06	0.04	0.2
18	0.6	0.6	0.1	0.5	0.05	0.05	0.3	0.8	0.06	0.1	0.3	0.6
19	0.6	12.0	0.1	23	0.04	0.06	1.3	0.8	0.1	0.1	b 0.1	0.3
20	0.5	83	0.2	3.4	0.05	0.8	1.3	1.0	0.05	0.05	b 0.06	0.2
21	0.3	0.8	0.1	71	0.05	0.8	1.5	1.3	0.33	0.05	0.04	0.04
22	0.06	1.0	0.06	44	0.03	62	1.5	1.1	0.05	0.06	0.04	0.3
23	0.06	0.8	0.05	0.8	0.03	22	1.7	1.3	0.05	0.06	0.02	0.3
24	0.1	0.5	0.06	0.1	0.05	6.8	1.5	1.1	0.1	0.1	b 0.06	0.06
25	0.1	0.5	0.02	0.6	0.8	0.2	1.3	1.1	0.2	0.04	b 0.1	0.05
26	0.05	0.2	0.05	0.6	0.3	0.1	0.3	1.0	0.06	0.05	b 0.1	0.03
27	0.03	0.1	0.06	0.5	0.06	0.05	0.8	0.5	0.05	0.5	0.04	0.02
28	0.04	+	0.04	0.5	0.06	0.03	4.5	0.8	0.02	0.06	0.05	0.04
29	0.06	0.1	0.03	0.1	1.4	0.02	1.7	0.3	0.04	0.3	0.04	0.5
30	0.1	0.3	0.05	0.5		0.06	2.0	0.5	0.06	0.2	0.02	0.3
31	1.3		0.05	0.3		20		0.5		0.2	0.05	
	44.66		7.37		4.16		70.77		13.97		3.34	
		146.9		149.27		125.11		23.29		2.71		6.11
MEAN	1.44	4.90	0.24	4.82	0.14	4.04	2.36	0.75	0.63	0.08	0.11	0.20
ACRE-FEET	89.	291.	15.	296.	8.3	248.	140.	46.	38.	5.4	6.6	12.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.64
ACRE-FEET 1,190.

760T4M C4b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F194B-R

Daily discharge, in second-feet of SAWPIT WASH below Arrow Highway, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.4	0.2	0.02	0.04	0.2	95	0.2	0.8	0.04	0.3	0.1
2	0.05	0.5	0.1	0.02	0.1	0.2	26	0.4	1.0	0.05	0.6	0.1
3	0.04	0.1	0.1	0.03	0.1	0.2	19.0	5.5	1.0	0.03	0.4	0.2
4	0.02	0.05	0.2	0.04	0.05	0.2	12.8	0.3	0.2	0.01	0.04	0.05
5	0.05	0.1	0.05	0.1	3.3	0.2	1.8	0.3	0.1	0.01	0.03	1.4
6	0.05	0.05	0.04	0.3	18.8	0.05	2.0	0.2	0.2	0.03	0.2	12.0
7	0.05	0.04	0.1	13.8	0.1	8.1	2.7	0.2	0.2	0.03	0.2	0.8
8	0.1	0.02	0.05	0.3	0.04	0.5	76	0.2	0.3	0.2	0.03	0.4
9	0.05	37	0.1	0.03	0.05	0.2	87	0.4	0.2	0.04	0.1	0.4
10	0.04	32	0.05	0.01	0.1	0.2	1.7	0.2	0.1	0.03	0.03	0.3
11	0.03	0.2	0.1	0.05	0.05	0.3	3.8	0.3	0.1	0.01	0.04	0.2
12	0.03	0.8	0.04	0.1	0.05	5.0	2.7	0.4	0.1	0.03	0.2	0.1
13	0.2	0.2	0.2	0.1	0.03	18.7	2.0	0.8	0.05	0.03	0.04	0.2
14	0.4	0.02	0.04	0.05	0.01	0.2	1.8	0.5	0.1	0.05	0.03	0.2
15	0.4	0.01	0.05	0.04	0.03	6.5	1.5	0.4	0.3	0.1	0.03	0.2
16	0.2	0.04	0.1	0.03	0.05	0.6	1.2	0.2	0.6	0.2	0.04	0.2
17	0.04	23	0.2	0.02	0.4	0.2	2.0	0.2	0.5	2.8	0.1	2.4
18	0.03	0.6	0.3	0.05	0.2	0.2	3.1	0.2	0.3	0.04	0.2	11.8
19	0.1	0.4	0.9	0.05	0.2	0.2	2.0	0.2	0.2	0.4	0.2	9.0
20	0.05	0.2	19.8	0.05	0.4	0.1	0.8	0.2	0.2	0.3	0.05	0.8
21	0.05	0.05	0.4	0.1	0.2	0.05	0.8	0.2	0.2	0.2	0.03	0.2
22	0.4	0.02	0.1	0.1	0.5	0.1	0.6	0.2	0.5	0.2	0.03	0.05
23	0.05	0.04	0.2	0.04	0.2	0.2	0.5	0.8	0.3	0.3	0.5	0.05
24	0.04	0.04	0.05	11.8	0.2	0.2	0.4	0.8	0.2	0.5	0.5	0.1
25	0.02	0.8	0.04	0.04	0.2	0.1	1.0	1.2	0.3	0.2	0.2	0.1
26	0.04	0.1	1.0	0.05	0.2	0.3	1.0	0.8	0.05	0.4	0.1	0.05
27	0.2	0.05	37	0.05	0.1	0.4	0.8	0.6	0.5	0.6	0.1	0.1
28	0.5	0.5	2.5	0.1	0.2	0.05	0.4	0.2	0.2	0.6	0.04	0.1
29	6.1	0.8	0.2	0.05		0.05	0.3	0.2	0.05	0.6	0.04	0.1
30	0.3	0.5	0.1	0.04		0.2	0.3	0.2	0.05	7.4	0.4	0.1
31	0.2		0.05	0.02		43		1.2		0.6	0.05	
	10.23		64.26		25.90		351.0		8.90		4.85	
		103.53		27.58		86.70		17.7		16.03		41.80
MEAN	0.33	3.45	2.07	0.89	0.92	2.80	11.7	0.57	0.30	0.52	0.16	1.39
ACRE-FEET	20.	206.	127.	55.	51.	172.	696.	35.	18.	32.	9.6	83.

Remarks:

YEAR OR PERIOD MEAN 2.09
ACRE-FEET 1,500.

STATION F301–R
SAWTELLE–WESTWOOD CHANNEL
above Culver Boulevard

LOCATION: LAT. 33°59'53", LONG. 118°24'54", ON THE RIGHT (SOUTH) CHANNEL WALL, 141 FEET ABOVE CULVER BOULEVARD BRIDGE, ABOUT ONE AND ONE HALF MILES SOUTHWEST OF CULVER CITY. ELEVATION OF ZERO GAGE HEIGHT 21.27 FEET.

DRAINAGE AREA: 22.96 SQUARE MILES.

CHANNEL AND CONTROL: RECTANGULAR CONCRETE CHANNEL 40 FEET WIDE AND 13 FEET DEEP. CHANNEL FORMS CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION AND/OR DIVERSIONS: STONE CANYON RESERVOIR, SOUTHERN CALIFORNIA WATER COMPANY SPILLS FLOW UP TO 5.0 SECOND–FEET INTO SAWTELLE–WESTWOOD CHANNEL ABOVE CHARNOCK ROAD FOR SHORT PERIODS NEARLY EVERY DAY.

RECORDS AVAILABLE: JANUARY 22, 1951 TO SEPTEMBER 30, 1965, AT STATION F185–R, SEPULVEDA CREEK AT CHARNOCK ROAD. RECORDER RECORDS AVAILABLE SEPTEMBER 15, 1932 TO MARCH 3, 1937; AUGUST 11, 1937 TO MARCH 2, 1938; AND JULY 7, 1938 TO MAY 29, 1950. FROM MAY 29, 1950 TO JANUARY 22, 1951, NO RECORD DUE TO CHANNEL CONSTRUCTION.

EXTREMES OF DISCHARGE:

1963–64
- MAXIMUM: 3500 SECOND–FEET JANUARY 21.
- MINIMUM: 0.1 SECOND–FOOT ON VARIOUS DAYS.

1964–65
- MAXIMUM: 4240 SECOND–FEET APRIL 9.
- MINIMUM: 0.1 SECOND–FOOT AT VARIOUS TIMES.

1951–65
- MAXIMUM: 7250 SECOND–FEET FEBRUARY 12, 1962.
- MINIMUM: 0.1 SECOND–FOOT ON VARIOUS DAYS 1961–62.

ACCURACY: GOOD FOR HIGH FLOWS; POOR FOR EXTREMELY LOW FLOWS.

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

F6D74M Cib 13-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F301-R

Daily discharge, in second-feet of SAWTELLE – WESTWOOD CHANNEL at Culver Boulevard, for the year ending September 30, 19 64

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.5	3.1	1.5	1.5	2.0	2.5	62	2.5	2.5	2.5	2.0	2.0
2	2.0	1.5	2.0	1.5	2.0	19.6	1.5	2.0	2.5	2.0	2.0	2.0
3	2.0	1.5	3.1	1.5	2.0	1.0	2.0	2.0	2.0	2.0	2.0	3.1
4	3.1	1.5	2.0	1.5	2.0	1.5	1.5	2.0	2.0	1.5	2.0	3.8
5	2.0	2.0	2.5	1.0	2.0	2.0	2.0	2.0	2.5	1.5	2.0	3.1
6	2.0	115	2.5	1.5	2.0	2.0	1.5	2.0	2.0	1.5	2.0	1.5
7	2.0	3.1	2.5	1.5	2.0	2.5	2.0	2.5	2.0	1.5	2.5	1.5
8	2.0	2.0	2.5	1.5	2.0	2.5	2.0	2.0	1.5	2.0	2.5	2.5
9	2.5	2.5	2.5	1.5	2.0	2.5	2.0	2.0	40	2.5	3.1	2.0
10	2.5	2.5	2.0	1.5	2.0	3.1	2.5	2.0	b 2.2	2.5	3.1	2.5
11	2.5	2.0	2.0	2.5	2.0	3.1	2.0	2.0	2.2	2.5	3.1	3.1
12	2.5	2.0	2.0	1.5	2.0	24	2.0	2.0	2.2	2.5	3.1	3.1
13	2.5	2.0	2.0	1.5	2.0	3.1	2.0	2.0	2.2	2.5	2.5	2.5
14	3.1	2.0	2.0	1.5	2.0	2.5	2.0	2.0	2.2	2.5	3.8	3.8
15	3.1	140	2.0	2.0	2.0	2.0	2.0	2.5	2.2	2.5	3.1	3.1
16	83	3.1	2.0	2.0	2.0	2.0	1.5	2.0	2.2	2.5	2.5	2.0
17	2.5	2.5	2.0	2.5	2.5	2.0	1.0	2.0	2.2	3.8	3.8	2.0
18	11.0	2.5	2.0	16.9	2.5	2.0	1.0	2.0	2.2	3.8	3.1	1.5
19	2.5	124	2.0	3.8	2.5	2.0	6.7	2.0	2.2	3.1	2.5	2.0
20	2.0	191	2.0	12.3	2.5	2.5	1.0	2.0	2.2	2.5	2.5	1.5
21	1.5	3.1	1.5	196	2.5	2.0	1.0	2.0	2.2	2.0	2.5	2.0
22	1.5	2.0	1.5	89	2.5	165	1.0	2.0	2.2	1.5	2.5	2.5
23	1.0	1.5	2.0	2.0	2.5	64	1.0	2.0	2.2	2.0	2.5	2.5
24	1.5	2.0	2.0	2.0	2.5	4.4	1.0	2.0	2.2	2.0	3.8	3.1
25	1.5	2.0	2.0	1.5	2.5	1.5	1.5	2.5	b 2.2	2.0	3.8	3.1
26	1.0	1.5	2.0	1.5	2.5	1.5	1.5	2.5	2.5	1.5	3.1	2.5
27	1.0	1.5	2.0	1.5	2.5	2.0	2.0	2.5	2.5	2.0	3.1	1.5
28	1.5	1.0	2.0	2.0	2.5	1.5	4.5	2.5	1.0	2.0	3.8	2.0
29	2.0	1.5	2.0	3.1	2.5	1.5	3.1	2.5	2.5	2.5	3.1	1.5
30	2.0	1.5	1.5	2.0		2.0	3.1	2.5	2.5	2.5	2.5	1.5
31	2.0		1.5	2.5		34		2.5		2.5	2.5	
	153.8	623.4	63.1	364.1	64.5	363.8	119.9	67.0	103.2	70.2	86.4	70.8
MEAN	4.96	20.8	2.04	11.7	2.22	11.7	4.00	2.6	3.44	2.26	2.79	2.36
ACRE-FEET	305.	1,240.	125.	722.	128.	722.	238.	133.	205.	139.	171.	140.

Remarks:

YEAR OR PERIOD MEAN 5.87
ACRE-FEET 4,270.

T6D714R Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F301-R

Daily discharge, in second-feet of SAWTELLE – WESTWOOD CHANNEL at Culver Boulevard, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.0	1.0	1.5	0.6	2.5	2.0	149	2.5	2.5	2.5	1.5	1.0
2	3.1	1.0	2.0	1.0	2.5	2.0	71	2.0	1.5	2.5	2.0	1.0
3	3.1	1.5	2.0	1.0	2.0	2.5	144	2.5	1.5	2.0	2.5	2.0
4	2.5	1.5	2.0	1.5	1.5	2.0	32	3.1	2.5	2.0	3.8	1.5
5	2.5	2.0	2.0	1.5	50	2.0	2.0	2.5	2.5	2.0	2.0	3.1
6	1.5	2.5	2.0	6.6	13.5	1.5	2.5	2.0	2.0	2.5	2.5	2.5
7	2.0	2.0	2.5	62	1.5	19.6	22	1.5	2.5	2.5	2.0	1.5
8	2.5	2.0	2.0	1.5	1.5	1.0	307	2.0	2.0	2.5	2.5	2.5
9	2.5	137	2.5	1.0	1.5	1.0	365	0.6	2.0	3.1	2.5	2.5
10	2.0	63	2.0	1.0	1.0	1.0	6.1	1.0	2.5	1.5	3.1	3.1
11	2.0	3.1	2.0	1.5	1.5	1.5	1.5	1.5	2.5	1.5	17.9	2.5
12	2.0	3.8	2.0	1.5	2.0	37	20	2.0	2.5	1.5	2.5	2.0
13	2.5	2.0	1.5	1.5	2.0	72	13.6	2.0	2.0	0.6	2.5	2.5
14	2.0	1.0	2.5	1.5	1.0	14.2	2.0	1.5	3.1	0.6	2.0	3.1
15	4.8	1.0	3.8	1.5	1.5	11.2	1.5	2.0	2.5	1.0	1.5	2.5
16	b 2.3	1.5	2.0	2.0	2.0	1.5	1.0	1.5	2.0	3.8	2.0	2.0
17	2.3	28	2.0	2.0	2.0	1.0	0.6	2.0	2.5	3.1	2.5	3.1
18	2.3	2.0	3.1	2.0	2.0	1.5	0.6	1.0	1.5	2.5	2.0	1.0
19	2.3	2.0	157	2.0	2.0	1.5	1.5	1.5	1.5	3.1	2.0	2.0
20	2.3	2.0	189	3.1	1.5	1.5	2.0	1.5	1.5	3.1	2.0	1.0
21	2.3	1.0	11.2	2.0	1.5	1.5	2.0	2.0	2.5	3.8	2.5	2.0
22	b 2.3	1.0	1.5	1.5	1.5	1.5	2.5	2.0	2.5	2.5	1.5	1.0
23	2.0	1.0	2.0	1.5	1.5	1.5	2.5	1.5	2.0	2.5	3.1	2.0
24	2.5	1.5	1.0	36	1.0	1.5	2.5	2.0	2.5	1.5	3.1	2.5
25	2.6	1.0	0.1	1.0	1.5	1.5	2.4	2.0	3.1	1.0	2.0	2.5
26	5.2	0.6	4.5	1.0	1.5	2.0	2.5	2.0	3.8	1.5	2.0	2.5
27	15.7	1.0	105	1.5	1.5	1.5	2.5	2.0	3.1	2.0	2.0	2.5
28	b 2.3	1.0	9.3	1.5	1.5	1.5	3.1	2.5	3.8	2.5	2.0	2.0
29	4.3	1.0	1.5	1.5		2.9	3.1	1.5	3.8	2.5	1.0	2.0
30	b 2.3	1.5	2.0	1.5		2.5	3.1	1.5	4.5	2.5	1.0	2.0
31	1.0		1.0	1.5		169		1.0		2.0	1.5	
	129.7	270.5	524.5	146.8	111.5	364.4	1171.1	56.2	74.7	68.2	83.0	63.4
MEAN	4.16	9.02	16.9	4.74	3.98	11.8	39.0	1.81	2.49	2.20	2.68	2.11
ACRE-FEET	257.	537.	1,040.	291.	221.	723.	2,320.	111.	148.	135.	165.	1.26

Remarks:

YEAR OR PERIOD MEAN 8.39
ACRE-FEET 6,070.

STATION F67B–R

SIERRA MADRE WASH below Sierra Madre Dam

LOCATION: LAT. 34°10'33", LONG. 118°02'33", ON THE LEFT (EAST) BANK ABOUT 270 FEET BELOW SIERRA MADRE DAM AND ABOUT ONE AND ONE FOURTH MILES NORTHEAST OF SIERRA MADRE. ELEVATION OF ZERO GAGE HEIGHT 1082.69 FEET.

DRAINAGE AREA: 2.4 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL – RUBBLE MASONRY, DEPTH 7.5 FEET, WIDTH 24.6 FEET AT TOP AND 22.5 FEET AT BOTTOM. ARTIFICIAL CONCRETE CONTROL WITH LOW FLOW CHANNEL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: THE 30–INCH DIAMETER GATE VALVE IN THE SIERRA MADRE DAM REMAINS OPEN EXCEPT IN EMERGENCY CONDITIONS. 51–INCH SLUICEWAY IS NOT GATED AND IS OPEN AT ALL TIMES.

DIVERSIONS: UNDERGROUND AND SURFACE FLOW DEVELOPED AND DIVERTED BY SIERRA MADRE WATER DEPARTMENT.

RECORDS AVAILABLE:
AT STATION F67–R – JANUARY 28, 1929 TO MAY 20, 1936.
AT STATION F67B–R – MAY 21, 1936 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963–64
MAXIMUM: 19 SECOND–FEET JANUARY 21.
MINIMUM: PLUS FLOW AT VARIOUS TIMES.
1964–65
MAXIMUM: 28 SECOND–FEET APRIL 9.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1929–65
MAXIMUM: 620 SECOND–FEET ESTIMATED MARCH 2, 1938.
MINIMUM: NO FLOW SEVERAL MONTHS DURING MOST YEARS.

ACCURACY: FAIR.

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

76D74M Gib 1-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F67B-R

Daily discharge, in second-feet of SIERRA MADRE WASH below Sierra Madre Dam, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.01	0.01	0.01	0.01	0.01	0.3	5.8	a 0.06	0.01	0.02	0.01	0.01
2	0.01	0.01	0.02	0.01	0.01	0.3	2.2	0.05	0.01	0.01	0.01	0.01
3	0.01	0.01	0.01	0.01	0.02	0.3	1.4	0.04	0.01	0.01	0.01	0.01
4	0.01	0.01	0.01	0.01	0.02	0.3	1.2	0.03	0.01	0.02	0.01	0.01
5	0.01	0.01	0.01	0.01	0.02	0.3	1.2	0.02	0.01	0.02	0.01	0.01
6	0.01	0.01	0.01	0.01	0.02	0.3	1.1	0.01	0.01	0.02	0.01	0.01
7	0.01	0.01	0.01	0.01	0.02	0.3	0.9	0.01	0.01	0.02	0.01	0.01
8	0.01	0.01	0.01	0.02	0.01	0.3	0.7	0.01	0.01	0.02	0.01	0.01
9	0.01	0.01	0.01	0.01	0.01	0.4	0.6	0.01	0.01	0.02	0.01	0.01
10	0.01	0.01	0.01	0.02	0.01	0.4	0.5	0.01	0.01	0.02	0.01	0.01
11	0.01	0.01	0.01	0.01	0.01	0.4	0.4	0.01	0.01	0.01	0.01	0.01
12	0.01	0.01	0.01	0.01	0.01	0.4	0.4	0.01	0.01	0.01	0.01	0.01
13	0.01	0.01	0.01	0.01	0.01	0.4	0.4	0.01	0.01	0.01	0.01	0.01
14	0.01	0.01	0.01	0.02	0.01	0.4	0.4	0.01	0.01	0.01	0.01	0.01
15	0.01	0.01	0.01	0.01	0.01	0.5	0.4	0.01	0.01	0.02	0.01	0.01
16	0.1	0.01	0.01	0.01	0.01	0.4	0.4	0.01	0.01	0.02	0.01	0.01
17	0.02	0.01	0.01	0.01	0.01	0.4	0.4	0.01	0.01	0.01	0.01	0.01
18	0.02	0.01	0.02	0.02	0.02	0.4	0.4	0.01	0.01	0.01	0.01	0.01
19	0.02	0.01	0.02	0.02	0.01	0.4	0.4	0.01	0.01	0.01	0.01	0.01
20	0.01	0.5	0.02	0.02	0.01	0.4	0.5	0.02	0.01	0.01	0.01	0.01
21	0.01	0.01	0.01	2.3	0.02	0.4	0.5	0.01	0.01	0.01	0.01	0.01
22	0.01	0.02	0.01	1.8	0.02	0.6	0.5	0.01	0.01	0.01	0.01	0.01
23	0.01	0.02	0.01	0.08	0.02	0.8	0.6	0.01	0.01	0.01	0.01	0.01
24	0.01	0.02	0.01	0.04	0.2	0.6	0.2	0.01	0.01	0.01	0.01	0.01
25	0.01	0.01	0.01	0.01	0.4	0.4	0.06	0.01	0.01	0.01	0.01	0.01
26	0.01	0.01	0.01	0.02	0.4	0.4	0.08	0.01	0.01	0.01	0.01	0.01
27	0.01	0.01	0.01	0.01	0.4	0.4	0.08	0.01	0.01	0.01	0.01	0.01
28	0.01	0.01	0.01	0.01	0.4	0.9	0.08	0.01	0.01	0.01	0.01	0.01
29	0.01	0.01	0.01	0.01	0.3	0.4	a 0.08	0.01	0.01	0.01	0.01	0.01
30	0.01	0.01	0.01	0.02		0.4	a 0.07	0.01	0.01	0.01	0.01	0.01
31	0.01		0.01	0.02		0.6		0.01		0.01	0.01	
	0.43	0.82	0.35	4.58	2.42	13.2	21.95	0.47	0.30	0.41	0.31	0.30
MEAN	0.01	0.03	0.01	0.15	0.08	0.43	0.74	0.02	0.01	0.01	0.01	0.01
ACRE-FEET	0.9	1.6	0.7	9.1	4.8	26.	44.	0.9	0.6	0.8	0.6	0.6

Remarks:

YEAR OR PERIOD MEAN 0.13
ACRE-FEET 91.

76D74M Gib 1-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F67B-R

Daily discharge, in second-feet of SIERRA MADRE WASH below Sierra Madre Dam, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.01	0	0	+	0	0	2.9	0.01	+	0	+	0
2	0.01	0	0	0	0	0	5.4	0	+	0	|	0
3	0.01	0	0	0	0	0	3.1	0	0	0		0
4	0	0	0	0	0	0	3.1	0	0	0		0
5	0.01	0	0	0	+	0	2.4	0.02	+	0	|	+
6	0.01	0	0	0	+	0	2.5	0	+	0	+	+
7	0.01	0	0	0.2	0	+	1.6	0.1	+	0	0	0
8	0.01	0	0	+	0	0	5.1	0.04	0	0	0	0
9	0.01	0.5	0	+	0	0	10.3	0.04	0	+	+	0
10	0.01	0.2	0	+	0	0	7.0	0.01	0	+	|	0
11	0.01	+	0	0	+	+	4.1	0.04	+	0	|	0
12	0.01	+	0	+	0	+	3.5	0.1	+	0	+	0
13	0.01	0	0	+	0	0.04	2.7	0	0	0	0	0
14	0.01	0	0	0	0	+	2.0	0	0	+	0	+
15	0.01	0	0	0	0	0.02	1.8	0	0	0	0	0
16	0.01	0	0	0	0	0.01	1.7	0	+	+	+	0
17	0.01	0.2	0	0	0	0	1.5	0	|	0	0	0
18	0.01	0	+	0	0	0	1.2	0	|	+	0	+
19	0.01	0	0	0	0	0	0.7	0	+	0	0	+
20	0	0	+	0	0	0	0.3	0	0	+	0	0
21	0.05	0	+	0	0	0	0.1	0	0	0	0	0
22	0.01	0	0	0	0	0	0.2	0.1	+	+	0	0
23	0	+	0	+	0	0	0.1	0.02	|	0	0	0
24	0	0	0	+	0	0	0.1	0	|	0	0	0
25	0	0	0	0	0	0	0.04	0.1	+	0	0	0
26	0	0	+	0	0	0	0.01	0.1	0	0	0	0
27	0	0	0.2	0	0	+	0.02	0.01	0	0	0	0
28	0	0	+	0	0	0	0.01	0	0	+	0	+
29	0.02	0	|	0		0	0.01	0	0	0	0	+
30	0.01	0	|	0		+	0.01	+	0	+	0	0
31	0		+	0		0.01		+		+	0	
	0.27	0.9	0.2	0.2	+	0.08	63.50	0.69	+	+	+	+
MEAN	0.01	0.03	0.01	0.01	+	+	2.12	0.02	+	+	+	+
ACRE-FEET	0.54	1.80	0.4	0.4	+	0.2	126.	1.4	+	+	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.18
ACRE-FEET 132.

STATION F267B–R
SIERRA MADRE WASH at Highland Oaks Drive

LOCATION: LAT. 34°09'18", LONG. 118°01'42", ON THE RIGHT (SOUTH) BANK OF THE CHANNEL 50 FEET ABOVE HIGHLAND OAKS AVENUE, ONE AND ONE HALF MILES SOUTHEAST OF SIERRA MADRE. ELEVATION OF ZERO GAGE HEIGHT 555.19 FEET.

DRAINAGE AREA: 3.8 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL – RECTANGULAR CONCRETE 13 FEET WIDE AND 11.5 FEET DEEP, WARPED 0.15 FOOT TOWARD STATION.
CONTROL – CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM UPSTREAM END OF CLOSED CONDUIT 50 FEET BELOW STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: PARTIALLY REGULATED BY SIERRA MADRE DAM. USUAL REGULATION AFFECTS HIGH FLOWS ONLY.

DIVERSIONS: UNDERGROUND AND SURFACE FLOWS DEVELOPED AND DIVERTED BY SIERRA MADRE WATER DEPARTMENT. FLOW ALSO DIVERTED ABOUT ONE MILE ABOVE STATION FOR SPREADING IN SIERRA MADRE SPREADING GROUNDS.

RECORDS AVAILABLE: AT STATION F267B–R FROM DECEMBER 11, 1959 TO SEPTEMBER 30, 1965. AT STATION F267–R FROM DECEMBER 30, 1938 TO APRIL 20, 1959. SEVERAL YEARS' RECORDS WERE NOT PUBLISHED DUE TO LACK OF SUFFICIENT RELIABLE DATA.

EXTREMES OF DISCHARGE:
1963–64
MAXIMUM: 280 SECOND–FEET APRIL 1.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1964–65
MAXIMUM: 315 SECOND–FEET ESTIMATED NOVEMBER 9.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1938–65
MAXIMUM: NOT DETERMINED MARCH 2, 1938.
MAXIMUM: OF RECORD 706 SECOND–FEET JANUARY 6, 1959.

ACCURACY: FAIR.

OPERATION: LOCATED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT. CONSTRUCTED BY THE UNITED STATES CORPS OF ENGINEERS.

FSD 714M G(b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F267B–R

Daily discharge, in second-feet of SIERRA MADRE WASH at Highland Oaks Drive, for the year ending September 30, 19 64

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.01	0.01	0	0	0.03	0.01	20	0.2	0.01	0.02	0.01	0.01
2	0.01	0.01	0	0	0.9	0.03	0.03	0.03	0.01	0.06	0.01	0.01
3	0.01	0.01	0.01	0	2.1	0.01	0.01	0.03	0.01	0.02	0.01	0.01
4	0.04	0.01	0	0	0.01	0.01	0.01	0.5	0.01	0.02	0.02	b 0.3
5	0.01	0.01	0	0	0.03	0.03	0.03	0.03	0.01	0.02	0.02	b 0.5
6	0.01	0.8	0	0	0.01	0.03	0.1	0.03	0.01	0.02	b 0.06	0.5
7	0.01	0.01	0	0	0.01	0.03	0.03	0.03	0.01	b 0.06	0.02	0.5
8	0.01	0.01	0	0	0.01	0.01	0.03	0.03	b 0.1	b 0.06	b 0.06	0.5
9	0.01	0.01	0	0	0.01	0.01	0.1	0.02	b 0.1	0.02	b 0.06	0.6
10	0.01	0.01	0	0	0.01	0.01	0.03	0.02	0.02	b 0.06	0.02	0.6
11	0.01	0.01	b 0.3	0	0.01	0.03	0.03	0.02	0.02	b 0.06	0.02	0.6
12	0.01	0.01	b 0.2	0	0.01	0.4	0.03	0.01	0.02	0.02	b 0.06	0.6
13	0.01	0.01	0	0	0.01	0.1	0.03	0.01	0.02	b 0.06	0.02	0.6
14	0.02	0.01	0	0	0.01	0.03	0.03	0.01	0.01	0.1	0.01	0.6
15	0.01	0.8	0	0	0.01	0.03	0.03	0.01	0.01	0.1	0.02	b 0.5
16	1.9	0.01	0	0	0.01	0.01	0.03	0.01	0.01	0.06	0.01	0.05
17	0.01	0.01	0	0	0.03	0.01	0.03	0.01	0.01	b 0.06	0.02	0.05
18	0.01	0.01	0	0	0.01	0.01	0.1	0.01	0.01	a 0.06	0.01	0.04
19	0.01	0.8	0	19.3	0.01	0.03	0.8	0.01	0.01	0.01	0.01	0.04
20	0.01	4.5	0		0.01	0.03	0.2	0.01	0.01	a 0.06	0.01	0.03
21	0.01	0.02	0	10.3	0.01	0.03	0.2	0.01	0.01	0.02	0.02	0.03
22	0.02	0.02	0	4.5	0.01	4.3	0.1	0.01	0.01	0.01	0.01	0.02
23	0.04	0.02	0	0.3	0.01	1.7	0.1	0.02	0.01	0.01	0.01	0.02
24	0.02	0.04	0	0.03	0.01	0.4	0.1	0.02	0.01	0.01	0.01	0.02
25	0.03	0.02	0	0.03	0.01	0.01	0.03	0.02	0.01	0.01	0.02	0.03
26	0.02	0.01	0	0.03	0.01	0.01	0.03	0.03	0.01	0.01	0.02	0.03
27	0.02	0.01	0	0.03	0.01	0.01	0.1	0.03	0.01	0.01	0.02	0.02
28	0.01	0.01	0	0.03	0.01	0.01	0.4	0.03	0.01	0.01	0.02	0.02
29	0.01	0.01	0	0.03	0.03	0.01	0.1	0.02	0.01	0.01	0.02	0.02
30	0.01	0	0	0.03		0.01	0.03	0.02	0.01	0.01	0.01	0.02
31	0.01		0	0.03		1.6		0.01		0.01	0.01	
	2.33		0.51		3.35		22.87		0.52		0.65	
		7.22		34.64		8.95		1.25		1.07		6.87
MEAN	0.08	0.24	0.02	1.12	0.12	0.29	0.76	0.04	0.02	0.03	0.02	0.23
ACRE-FEET	4.6	14.	1.0	69.	6.6	18.	45.	2.5	1.0	2.1	1.3	14.

Remarks:

YEAR OR PERIOD MEAN 0.25
ACRE-FEET 179.

760741M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F267B-R

Daily discharge, in second-feet of SIERRA MADRE WASH at Highland Oaks Drive, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.01	0.01	0.01	0.01	0.01	0	13.9	0.01	0.01	0.01	0.01	0.01
2	0.01	1.1	0.01	0.01	0.01	0	4.0	0.01	0.01	0.01	0.01	0.01
3	0.01	1.2	0.01	0.01	0.01	0	2.1	0.03	0.01	0.01	0.01	0.03
4	0.01	1.0	0.01	0.01	0.01	0.01	1.0	0.01	0.03	0.01	0.01	0.03
5	0.01	0.01	0.01	0.03	0.6	0.01	0.03	0.01	0.03	0.01	0.01	0.4
6	0.01	0.01	0.01	0.01	0.8	0.01	0.03	0.01	0.01	0.01	0.03	1.2
7	0.01	0.01	0.03	1.3	0.01	0.03	0.1	0.01	0.03	0.01	0.03	0.01
8	0.01	0.01	0.03	0	0.01	0.01	6.3	0.01	0.03	0.01	0.03	0.01
9	0.01	9.9	0.03	0	0.01	0.01	13.4	0.01	0.01	0.01	0.01	0.01
10	0.01	6.0	0.03	0	+	0.01	3.6	0.01	0.03	0.01	0.03	0.01
11	0.01	0.03	0.03	0	+	0.1	1.3	0.03	0.03	0.01	0.03	0.01
12	0.01	0.1	0.03	0	+	0.4	0.2	0.03	0.03	0.01	0.5	0.01
13	0.01	0.01	0.03	0	+	0.6	0.03	0.01	0.03	0.01	0.01	0.01
14	0.01	0.01	0.01	0	0	0.03	0.01	0.01	0.03	1.1	0.01	0.01
15	0.01	0.01	0.01	0	0	0.2	0.01	0.03	0.1	0.01	0.01	0.01
16	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.3
17	0.01	6.4	0.01	0.01	0.01	0.01	0.01	0.01	0	0.03	0.01	0.6
18	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0	0.01	0.01	0.5
19	0.01	0.01	0.1	0.01	0.01	0.01	0.01	0.03	0.03	0.03	0.01	0.5
20	0.01	0.01	3.2	0.01	0.01	0.01	0.01	0.01	0.03	0.01	0.01	0.01
21	0.01	0.01	0.03	0.01	+	0.01	0.01	0.01	0.01	0.01	0.01	0.01
22	0.01	0.01	0.03	0.01	0	0.01	0.01	0.03	0.03	0.01	0.01	0.01
23	0.01	0.01	0.03	0.01	+	0.01	0.01	0.01	0.1	0.01	0.01	0.01
24	0.01	0.01	0.03	0.9	0	0.01	0.03	0.03	0.03	0.01	0.01	0.03
25	0.01	0.1	0.03	0.01	0	0.01	0.01	0.03	0.1	0.01	0.01	0.03
26	0.01	0.01	0.1	0.01	+	0.01	0.01	0.03	0.01	0.01	0.01	0.03
27	0.01	0.01	2.9	0.01	+	0.01	0.01	0.03	0.01	0.01	0.01	0.03
28	0.01	0.03	0.03	0.01	0	0.01	0.01	0.03	0.01	0.01	0.03	0.01
29	1.2	0.01	0.03	0.01		0.01	0.01	0.03	0.01	0.01	0.01	0.01
30	0.01	0.01	0.01	0.01		0.01	0.01	0.01	0.01	0.5	0.01	0.01
31	0.01		0.01	0.01		2.0		0.03		0.01	0.01	
	1.50	26.06	6.85	2.42	1.52	3.57	46.18	0.59	0.81	1.93	0.92	3.86
MEAN	0.05	0.87	0.22	0.08	0.05	0.11	1.54	0.02	0.03	0.06	0.03	0.13
ACRE-FEET	3.0	52.	14.	4.8	3.0	7.1	92.	1.2	1.6	3.8	1.8	7.8

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.26
ACRE-FEET 192.

STATION B324-R
STODDARD CREEK above San Antonio Creek

LOCATION: LAT. 34°10'28", LONG. 117°40'10", ON THE LEFT (SOUTH) BANK ABOUT 800 FEET ABOVE MOUTH OF CANYON AND ABOUT FIVE AND ONE HALF MILES NORTHEAST OF CLAREMONT. ELEVATION OF ZERO GAGE HEIGHT 2477.9 FEET.

DRAINAGE AREA: 1.71 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - LARGE ROCK AND GRAVEL WITH STEEP ROCKY BANKS.
CONTROL - CONCRETE BROADCRESTED WEIR.

DISCHARGE MEASUREMENTS: ALL FLOWS MEASURED BY WADING.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: NONE.

DIVERSION: NONE.

RECORDS AVAILABLE: OCTOBER 20, 1958 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 19 SECOND-FEET JANUARY 22.
MINIMUM: NO FLOW VARIOUS TIMES.
1964-65
MAXIMUM: 30 SECOND-FEET APRIL 9.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1958-65
MAXIMUM: 395 SECOND-FEET NOVEMBER 20, 1961.
MINIMUM: NO FLOW AT VARIOUS TIMES EACH YEAR.

ACCURACY: GOOD.

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

76D74M Gdb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. B324-R

Daily discharge, in second-feet of STODDARD CREEK above San Antonio Creek, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	3.4	0	0	0	0	0
2	0	0	0	0	0	0.1	0.7	0	0	0	0	0
3	0	0	0	0	0	0	0.4	0	0	0	0	0
4	0	0	0	0	0	0	0.2	+	0	0	0	0
5	0	0	0	0	0	0	0.2	+	0	0	0	0
6	0	0.2	0	0	0	0	0.1	0.5	0	0	0	0
7	0	+	0	0	0	+	+	0.1	0	0	0	0
8	0	0	0	0	0	0	+	+	0	0	0	0
9	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
15	0	0.4	0	0	0	0	0	0	0	0	0	0
16	0	0.1	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
20	0	0.8	0	0	0	0	0	0	0	0	0	0
21	0	0.1	0	1.0	0	0	0	0	0	0	0	0
22	0	0.1	0	3.0	0	0.5	0	0	0	0	0	0
23	0	+	0	0.2	0	0.6	+	0	0	0	0	0
24	0	+	0	0.1	0	0.3	0	0	0	0	0	0
25	0	0	0	0.1	0	0.3	0	0	0	0	0	0
26	0	0	0	+	0	0.2	0	0	0	0	0	0
27	0	0	0	0	0	0.1	0	0	0	0	0	0
28	0	0	0	0	0	+	+	0	0	0	0	0
29	0	+	0	0	0	+	+	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0.1		0		0	0	
	0		0		+		5.0		+		0	
		1.7		4.4		2.2		0.6		0		0
MEAN	0	0.06	0	0.14	+	0.07	0.17	0.02	+	0	0	0
ACRE-FEET	0	3.4	0	8.7	+	4.4	9.9	1.2	+	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.04
ACRE-FEET 27.6

76D74M Gdb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. B324-R

Daily discharge, in second-feet of STODDARD CREEK above San Antonio, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	1.4	0	0	0	0	0
2	0	0	0	0	0	0	2.2	0	0	0	0	0
3	0	0	0	0	0	0	1.3	0	0	0	0	0
4	0	0	0	0	0	0	0.7	0	0	0	0	0
5	0	0	0	0	0	0	0.3	0	0	0	0	0
6	0	0	0	0	0.3	0	0.1	0	0	0	0	0
7	0	0	0	0.5	+	0	0.1	0	0	0	0	0
8	0	0	0	+	0	0	2.0	0	0	0	0	0
9	0	+	0	0	0	0	6.0	0	0	0	0	0
10	0	0.3	0	0	0	0	2.2	0	0	0	0	0
11	0	0	0	0	0	0	0.9	0	0	0	0	0
12	0	0	0	0	0	0	0.7	0	0	0	0	0
13	0	0	0	0	0	0.1	1.0	0	0	0	0	0
14	0	0	0	0	0	0	0.6	0	0	0	0	0
15	0	0	0	0	0	+	0.3	0	0	0	0	0
16	0	0	0	0	0	0	0.2	0	0	0	0	0
17	0	0.3	0	0	0	0	+	0	0	0	0	0
18	0	0.2	0	0	0	0	+	0	0	0	0	0.2
19	0	+	0	0	0	0	0	0	0	0	0	0
20	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	0.1	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	0.8	0	0	0	0	0	0	0	0	0
28	0	0	0.6	0	0	0	0	0	0	0	0	0
29	0	0	0.2	0		0	0	0	0	0	0	0
30	0	0		0		0	0	0	0	0	0	0
31	0		0	0		0.6		0		0	0	
	0		1.6		0.3		20.0		0		0	
		0.8		0.6		0.7		0		0		0.2
MEAN	0	0.03	0.05	0.02	0.01	0.02	0.07	0	0	0	0	0.01
ACRE-FEET	0	1.6	3.2	1.2	0.6	1.4	40.	0	0	0	0	0.4

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.07
ACRE-FEET 48.

STATION F43–R
SYCAMORE CANYON CHANNEL above Solway Street

LOCATION: LAT. 34°09'24", LONG. 118°13'17", ON THE RIGHT (NORTH) SIDE OF CONCRETE DRAIN, APPROXIMATELY 80 FEET ABOVE SOLWAY STREET AND ABOUT THREE MILES ABOVE SOLWAY STREET AND ABOUT THREE MILES NORTHEAST OF GLENDALE. ELEVATION OF ZERO GAGE HEIGHT ABOUT 700 FEET.

DRAINAGE AREA: 2.7 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL – RECTANGULAR CONCRETE, 8 FEET WIDE AND 8 FEET DEEP. INVERT IS 0.1 FOOT BELOW BOTTOM OF VERTICAL SIDE WALLS. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM FOOTBRIDGE ABOUT 80 FEET BELOW STATION.

RECORDER: A WEEKLY RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: FROM JANUARY 30, 1928 TO APRIL 6, 1932 AND FROM OCTOBER 1, 1935 TO SEPTEMBER 30, 1940. NOT PUBLISHED FROM OCTOBER 1, 1936 TO SEPTEMBER 30, 1938, BUT RECORDS ARE AVAILABLE AT OFFICE OF THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT, HYDRAULIC DIVISION. RECORDS PUBLISHED FROM OCTOBER 1, 1938 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963–64
MAXIMUM: 316 SECOND–FEET MARCH 22.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1964–65
MAXIMUM: 473 SECOND–FEET APRIL 8.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1928–65
MAXIMUM: NOT DETERMINED MARCH 2, 1938.
MAXIMUM: DISCHARGE OF RECORD 568 SECOND–FEET, JANUARY 16, 1952.
MINIMUM: NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F43–R

Daily discharge, in second-feet of SYCAMORE CANYON CHANNEL above Solway Street, for the year ending September 30, 19 64

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	0	+	0	+	3.9	+	a +	b +	+	e +
2			0		0		+			b		
3			0		0							
4			0		+				a	a		
5		+	0		+						0	
6		0.7	0		0						0	
7		+	+		0						+	
8					+				+		+	
9					+				0.3	a	0	
10					0				+		0	e
11					+	+					+	
12						0.2						
13					+	+						
14		+			0							
15	+	1.0			0						+	
16	1.4	+			+						0	
17	0.1	+				+					0	
18	1.2	+				0.8	+				0	
19	+	1.6			a	0.8	0.1				+	
20		2.5		+		0.5	+				+	
21		+		7.4		0.1					0	
22				7.6		14.0				+	+	
23				0.1		2.0	a			0.1		
24				+		1.3				a +		
25				0		b 0.1						
26		+		0		+						
27		0		0								
28		0		0	a			a				
29		0		0	+					a +		
30		0		0		+	a +		+	0		
31	+		+	0		1.1		a +		0	e +	
	2.7	5.8	+	15.1	+	20.9	4.0	+	0.3	0.1	+	+
MEAN	0.09	0.19	+	0.49	+	0.67	0.13	+	+	+	+	+
ACRE-FEET	5.4	12.	+	30.	+	41.	7.9	+	0.6	0.2	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.13
ACRE-FEET 97.

76D74M C4b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F43-R

Daily discharge, in second-feet of SYCAMORE CANYON CHANNEL above Solway Street, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	0.1	+	+	10.8	0.1	+	+	+	+
2				0.1			d 12.0	0.1				
3				+			d 6.0	0.1				
4					+		d 5.0	0.1				
5					0.2		0.8	0.1				+
6				+	2.2		0.5	0.1				0.5
7				0.9			d 2.0	0.1				+
8		+		0.1	+		16.6	0.1				
9		27		0.1			23	0.1				
10		5.4		0.1			b 1.5	+			+	
11		e 0.1		0.1		+	0.5				0.2	
12		e 0.1		0.1			0.5				0.2	
13		0.1		0.1		0.1	0.2				+	
14		+		a 0.1		+	0.1					
15		+		0.1		0.2	0.1					
16		+		0.1		+	0.1					+
17		11.0		a 0.1			0.1				+	0.3
18		+	+	+			0.1				0	2.2
19			0.2				0.1				0	0.9
20			0.9				0.1				0	+
21			0.1				0.1				0	
22			0.1				0.1				+	
23			0.1	+			0.1					
24			0.1	0.4			0.1					
25			0.1	+			0.1				+	
26			0.1				0.1				0	
27			1.4				0.1				+	
28	+		0.1		+		0.1					
29	0.3		0.1				0.1					
30	+		0.1			+	0.1		+	+	+	+
31	+	+	0.1	+		4.1		+				
	0.3	43.7	3.5	2.5	2.4	4.4	81.1	0.9	+	+	0.4	3.4
MEAN	0.01	1.46	0.11	0.08	0.09	0.14	2.70	0.03	+	+	0.01	0.11
ACRE-FEET	0.6	87.	6.9	5.0	4.8	8.7	161.	1.8	+	+	0.8	6.7

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.39
ACRE-FEET 283.

STATION F276-R
THOMPSON CREEK SPREADING GROUNDS INTAKE
at Thompson Creek Dam

LOCATION: LAT. 34°08'22", LONG. 117°42'30", ON THE RIGHT (WEST) SIDE OF THE FLUME AND AT THE DOWNSTREAM END OF THE 3-FOOT X 3-FOOT DIVERSION OUTLET THROUGH THOMPSON CREEK DAM. ELEVATION OF ZERO GAGE HEIGHT, 1624.45 FEET.

DRAINAGE AREA: 3.7 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - 3-FOOT X 3-FOOT CONCRETE-COVERED OUTLET WITH A TRANSITION INTO A 4-FOOT DIAMETER SEMI-CIRCULAR FLUME.
CONTROL - TRANSITION INTO SEMI-CIRCULAR FLUME.

DISCHARGE MEASUREMENTS: ALL FLOWS MEASURED BY WADING.

RECORDER: A WEEKLY RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION AND/OR DIVERSIONS: INFLOW TO THOMPSON CREEK DAM FROM COBAL AND PALMER CANYONS CAN BE DIRECTED THROUGH A 3-FOOT X 3-FOOT OUTLET TUNNEL TO THOMPSON CREEK SPREADING GROUNDS. FLOW THROUGH THE TUNNEL CAN BE CONTROLLED BY TWO SLIDE GATES SO THAT ANY FLOW IN EXCESS OF THE CAPACITY OF GATE OPENING IS PASSED OVER A SPILLWAY BACK TO THE RESERVOIR.

RECORDS AVAILABLE: JANUARY 14, 1941 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963-64
MAXIMUM: 0.4 SECOND-FEET MARCH 22.
MINIMUM: NO FLOW MOST OF YEAR.
1964-65
MAXIMUM: PLUS FLOW APRIL 9 AND 10.
MINIMUM: NO FLOW MOST OF YEAR.
1940-65
MAXIMUM: 21 SECOND-FEET FEBRUARY 24, 1943.
MINIMUM: NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

REMARKS: PRIOR TO AUGUST 1953, THE WATER-STAGE RECORDER WAS LOCATED ON THE LEFT (EAST) SIDE OF THE DOWNSTREAM END OF THE DIVERSION OUTLET.

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

STATION F32B–R
THOMPSON CREEK below Thompson Creek Dam

LOCATION: LAT. 34°08'22", LONG. 117°42'42", ON THE RIGHT (NORTH) BANK ABOUT 300 FEET BELOW THOMPSON CREEK DAM TUNNEL OUTLET AND ABOUT 2.5 MILES NORTH OF CLAREMONT. ELEVATION OF ZERO GAGE HEIGHT, 1579.94 FEET.

DRAINAGE AREA: 3.7 SQUARE MILES.

CHANNEL AND CONTROL: SAN DIMAS TYPE FLUME.

DISCHARGE MEASUREMENTS: ALL FLOWS MEASURED BY WADING.

RECORDER: A WEEKLY RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION AND/OR DIVERSION: INFLOW TO THOMPSON CREEK DAM FROM COBAL AND PALMER CANYONS CAN BE DIRECTED THROUGH A 3–FOOT X 3–FOOT OUTLET TUNNEL TO THOMPSON CREEK SPREADING GROUNDS. FLOW THROUGH THE DIVERSION TUNNEL CAN BE CONTROLLED BY TWO SLIDE GATES SO THAT ANY FLOW IN EXCESS OF THE CAPACITY OF GATE OPENINGS IS PASSED OVER A SPILLWAY BACK TO THE RESERVOIR. FLOW THROUGH THE 24–INCH OUTLET VALVE PASSES THE STATION. DISCHARGES OVER THE SPILLWAY OF THE DAM WOULD NOT BE RECORDED AT THIS LOCATION.

RECORDS AVAILABLE: RECORDER RECORDS DECEMBER 21, 1943 TO SEPTEMBER 30, 1965. FOR MEASUREMENTS PRIOR TO DECEMBER 21, 1943, SEE STATION F32–S; FROM MARCH 1928 TO DECEMBER 1943, SEE RECORDS BASED ON DAM OUTFLOW.

EXTREMES OF DISCHARGE:
1963–64
NO FLOW ENTIRE SEASON.
1964–65
NO FLOW ENTIRE SEASON.
1944–65
MAXIMUM: 8.6 SECOND–FEET APRIL 5, 1958.
MINIMUM: NO FLOW.

ACCURACY: GOOD.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT FOR MEASURING OUTFLOW FROM THOMPSON CREEK DAM.

STATION F54B–R
TOPANGA CREEK above Mouth of Canyon

LOCATION: LAT. 34°03'52", LONG. 118°35'10", ON THE RIGHT (WEST) DOWNSTREAM ABUTMENT OF THE CONCRETE BRIDGE TWO MILES NORTH OF TOPANGA BEACH AND ABOUT SIX MILES NORTHWEST OF SANTA MONICA. ELEVATION OF ZERO GAGE HEIGHT, 265.60 FEET.

DRAINAGE AREA: 18 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL – ROCK AND GRAVEL. NO ARTIFICIAL CONTROL

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 1, 1930 TO SEPTEMBER 30, 1965.

EXTREMES OF DISCHARGE:
1963–64
MAXIMUM: 198 SECOND–FEET JANUARY 21.
MINIMUM: PLUS FLOW VARIOUS TIMES.
1964–65
MAXIMUM: 716 SECOND–FEET APRIL 9.
MINIMUM: PLUS FLOW AT VARIOUS TIMES.
1930–65
MAXIMUM: 9300 SECOND–FEET ESTIMATED MARCH 2, 1938.
MINIMUM: NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F54B-R

Daily discharge, in second-feet of TOPANGA CREEK above Mouth of Canyon, for the year ending September 30, 19 64

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.05	0.07	0.07	0.04	0.2	0.05	6.9	0.1	0.07	0.04	0.02	0.02
2	0.05	0.07	0.07	0.04	0.2	0.2	1.0	0.2	0.07	0.04	0.02	0.02
3	0.05	0.07	0.07	0.04	0.1	0.07	0.7	0.1	0.07	0.04	0.02	0.02
4	0.07	0.07	0.07	0.04	0.1	0.07	0.5	0.1	0.07	0.04	0.02	0.02
5	0.07	0.07	0.07	0.04	0.1	0.07	0.5	0.07	0.07	0.04	0.02	0.02
6	0.07	0.9	0.07	0.05	0.1	0.07	0.5	0.07	0.07	0.04	0.02	0.04
7	0.05	0.1	0.07	0.05	0.1	0.07	0.4	0.07	0.07	0.04	0.02	0.04
8	0.05	0.05	0.07	0.07	0.1	0.07	0.3	0.1	0.1	0.04	0.02	0.04
9	0.05	0.05	0.07	0.07	0.1	0.07	0.2	0.07	0.1	0.04	0.02	0.02
10	0.05	0.07	0.1	0.07	0.1	0.07	0.2	0.07	0.1	0.04	0.02	0.02
11	0.05	0.1	0.1	0.07	0.1	0.07	0.2	0.07	0.07	0.04	0.02	0.02
12	0.05	0.07	0.07	0.07	0.1	0.1	0.2	0.1	0.07	0.04	0.02	0.02
13	0.05	0.07	0.07	0.07	0.1	0.2	0.2	0.1	0.07	0.04	0.02	0.02
14	0.05	0.07	0.1	0.07	0.1	0.1	0.1	0.1	0.05	0.04	0.02	0.02
15	0.05	0.7	0.1	0.07	0.1	0.1	0.1	0.1	0.05	0.04	0.02	0.02
16	0.2	0.2	0.1	0.07	0.1	0.07	0.1	0.1	0.05	0.04	0.02	0.02
17	0.07	0.1	0.1	0.07	0.1	0.05	0.1	0.1	0.05	0.04	0.02	0.02
18	0.07	0.1	0.1	0.1	0.1	0.05	0.1	0.07	0.05	0.04	0.02	0.01
19	0.07	0.5	0.1	0.1	0.1	0.07	0.1	0.07	0.05	0.04	0.01	0.01
20	0.05	12	0.1	0.1	0.1	0.07	0.1	0.07	0.05	0.02	0.01	0.01
21	0.05	0.4	0.1	17	0.1	0.07	0.1	0.07	0.05	0.02	0.01	0.02
22	0.05	0.2	0.1	3.7	0.1	7.9	0.1	0.07	0.07	0.02	0.01	0.01
23	0.05	0.2	0.07	0.7	0.05	2.0	0.1	0.07	0.07	0.02	0.01	0.01
24	0.05	0.1	0.07	0.4	0.05	0.8	0.1	0.07	0.07	0.02	0.02	0.01
25	0.05	0.1	0.07	0.2	0.05	0.4	0.1	0.05	0.07	0.02	0.02	0.01
26	0.05	0.1	0.1	0.2	0.05	0.3	0.1	0.05	0.07	0.02	0.02	0.01
27	0.05	0.1	0.1	0.2	0.05	0.2	0.1	0.07	0.07	0.02	0.02	0.01
28	0.05	0.1	0.1	0.2	0.05	0.2	0.1	0.07	0.05	0.02	0.02	0.01
29	0.05	0.1	0.05	0.2	0.05	0.1	0.1	0.07	0.05	0.02	0.02	0.02
30	0.05	0.1	0.05	0.2		0.1	0.1	0.07	0.04	0.02	0.02	0.02
31	0.1		0.05	0.2		2.5		0.07		0.02	0.02	
	1.87		2.53		2.75		13.5		1.96		0.57	
		16.93		29.50		16.26		2.56		1.00		0.56
MEAN	0.06	0.56	0.08	0.95	0.09	0.52	0.45	0.08	0.07	0.03	0.02	0.02
ACRE-FEET	3.7	34.	5.0	58.	5.5	32.	27.	5.1	3.9	2.0	1.1	1.1

Remarks:

YEAR OR PERIOD MEAN 0.25
ACRE-FEET 178.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F54B-R

Daily discharge, in second-feet of TOPANGA CREEK above Mouth of Canyon, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.02	0.05	0.04	0.1	0.1	0.1	35	0.3	0.1	0.07	0.04	0.02
2	0.02	0.05	0.04	0.1	0.1	0.1	14	0.3	0.1	0.07	0.05	0.02
3	0.02	0.04	0.05	0.1	0.1	0.1	39	0.2	0.1	0.07	0.05	0.02
4	0.02	0.04	0.05	0.1	0.1	0.1	16	0.2	0.1	0.05	0.04	0.01
5	0.02	0.02	0.05	0.1	0.1	0.1	5.3	0.3	0.1	0.05	0.04	0.02
6	0.02	0.02	0.05	0.1	0.4	0.1	2.5	0.3	0.1	0.05	0.04	0.05
7	0.02	0.04	0.05	1.1	0.2	0.2	1.5	0.2	0.1	0.05	0.02	0.05
8	0.02	0.04	0.05	0.2	0.1	0.2	44	0.4	0.1	0.05	0.02	0.04
9	0.02	0.3	0.05	0.1	0.1	0.2	143	0.3	0.1	0.05	0.04	0.04
10	0.02	0.6	0.05	0.1	0.1	0.1	42	0.2	0.1	0.05	0.04	0.04
11	0.02	0.1	0.07	0.1	0.1	0.1	12	0.2	0.1	0.05	0.04	0.02
12	0.04	0.1	0.07	0.1	0.1	0.1	7.8	0.2	0.1	0.05	0.04	0.02
13	0.04	0.07	0.05	0.1	0.1	0.2	6.2	0.2	0.1	0.05	0.02	0.02
14	0.04	0.07	0.04	0.1	0.1	0.1	4.2	0.2	0.1	0.05	0.02	0.02
15	0.04	0.07	0.04	0.1	0.1	0.1	3.4	0.2	0.1	0.05	0.02	0.02
16	0.04	0.05	0.04	0.1	0.1	0.1	2.7	0.2	0.1	0.05	0.04	0.04
17	0.04	0.1	0.04	0.1	0.1	0.1	2.1	0.2	0.1	0.05	0.04	0.04
18	0.04	0.1	0.04	0.1	0.1	0.1	1.8	0.2	0.1	0.05	0.04	0.04
19	0.02	0.1	1.0	0.1	0.1	0.1	1.7	0.2	0.1	0.05	0.04	0.04
20	0.01	0.1	8.4	0.1	0.1	0.1	1.4	0.2	0.1	0.05	0.04	0.04
21	0.01	0.05	1.1	0.1	0.1	0.1	1.1	0.2	0.1	0.05	0.04	0.05
22	0.02	0.05	0.4	0.1	0.1	0.1	0.9	0.2	0.1	0.05	0.04	0.04
23	0.02	0.04	0.2	0.1	0.1	0.1	0.8	0.2	0.1	0.05	0.04	0.04
24	0.02	0.04	0.2	0.2	0.1	0.1	0.7	0.2	0.1	0.05	0.04	0.05
25	0.02	0.04	0.1	0.2	0.1	0.1	0.5	0.1	0.1	0.05	0.04	0.04
26	0.02	0.04	0.1	0.1	0.1	0.1	0.6	0.1	0.1	0.05	0.04	0.05
27	0.02	0.04	1.1	0.1	0.1	0.1	0.5	0.1	0.1	0.05	0.04	0.05
28	0.04	0.05	0.6	0.1	0.1	0.1	0.5	0.1	0.1	0.05	0.04	0.02
29	0.07	0.05	0.2	0.1		0.1	0.3	0.1	0.1	0.05	0.02	0.02
30	0.05	0.04	0.2	0.1		0.1	0.2	0.1	0.1	0.05	0.02	0.01
31	0.05		0.2	0.1		3.0		0.1		0.04	0.02	
	0.87		14.67		3.2		396.7		3.0		1.10	
		2.50		4.4		11.4		6.2		1.60		0.98
MEAN	0.03	0.08	0.47	0.14	0.11	0.37	13.2	0.2	0.1	0.05	0.04	0.03
ACRE-FEET	1.7	5.0	29.	8.7	6.3	23.	787.	12.	6.0	3.2	2.2	1.9

Remarks:

YEAR OR PERIOD MEAN 1.22
ACRE-FEET 886.

STATION F252–R
VERDUGO WASH at Estelle Avenue

LOCATION: LAT. 34°09'23", LONG. 118°16'23", ON THE RIGHT (NORTH) SIDE OF CHANNEL AT ESTELLE AVENUE, 800 FEET EAST OF SAN FERNANDO ROAD AND ABOUT TWO MILES NORTHWEST OF GLENDALE. ELEVATION OF ZERO GAGE HEIGHT, 464.78 FEET.

DRAINAGE AREA: 26.8 SQUARE MILES (AFTER COMPLETION OF SYCAMORE–SCHOLL DIVERSION IN DECEMBER 1959. FORMERLY 22.4 SQUARE MILES).

CHANNEL AND CONTROL: CHANNEL – RECTANGULAR CONCRETE, 86 FEET WIDE BY 11 FEET DEEP TO BOTTOM OF INVERT. INVERT IS ONE FOOT BELOW BOTTOM OF VERTICAL SIDE WALLS. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM HIGHWAY BRIDGE 850 FEET UPSTREAM.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW PARTIALLY REGULATED BY VERDUGO AND OTHER DEBRIS BASINS.

DIVERSIONS: SEVERAL DIVERSIONS FOR DOMESTIC WATER SUPPLY AND IRRIGATION.

RECORDS AVAILABLE: DECEMBER 2, 1935 TO SEPTEMBER 30, 1965. FOR EARLIER RECORDS SEE STATION F9–R, VERDUGO WASH AT GLEN OAKS BOULEVARD, AND STATION F244–R, VERDUGO WASH AT DON CARLOS STREET.

EXTREMES OF DISCHARGE:
1963–64
MAXIMUM: 1640 SECOND–FEET JANUARY 21.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1964–65
MAXIMUM: 1480 SECOND–FEET APRIL 8.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1935–65
MAXIMUM: 4400 SECOND–FEET ESTIMATED MARCH 2, 1938.
MINIMUM: NO FLOW AT VARIOUS TIMES

ACCURACY: FAIR.

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

760748M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F252–R

Daily discharge, in second-feet of VERDUGO WASH at Estelle Avenue, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	+	+	+	+	0.1	61	0.2	0.1	0.1	+	0.1
2	0.1	+			+	7.1	0.2	0.1	+	0.1	0.1	0.1
3	0.1	0.1			+	+	0.1	0.1	0.1	0.1	0.1	0.1
4	0.1	+			0.1		0.2	3.6	+	0.1	0.1	0.1
5	+	0.1			0.1		0.1	0.1	0.1	+	0.1	0.1
6	+	25		+	0.1		+	10.6	0.1	0.1	0.1	0.1
7	+	0.1		0.1	0.1		0.1	0.7	0.1	0.1	0.1	+
8	0.1	0.2	+	0.1	0.1		0.1	0.2	0.7	0.1	0.1	
9	0.1	0.1	0.1	+	0.1		0.1	0.2	8.6	0.1	0.1	
10	0.2	0.1	+	+	0.1		+	0.1	+	+	0.1	
11	+	0.1		+	0.1	+	0.1	0.1			0.1	
12		0.1		0.1	+	6.6	0.1	0.1			0.1	
13		0.1		0.1	0.1	+	0.1	0.2			0.1	+
14	+	+		+	+	+	0.1	0.1			0.1	0.1
15	0.1	21				+	0.2	0.1			0.1	0.1
16	31	b 0.1	+			+	0.1	0.1		+	0.1	0.1
17	2.1	+	0.1	+		0.1	0.2	0.1	+	0.1	2.0	0.1
18	18.3	+	0.1	0.2	+	1.0	0.7	0.2	0.1	+	1.8	0.1
19	+	20	+	1.0	0.1	1.0	1.8	0.1	0.1	+	+	0.1
20		11.0		1.8	+	1.2	0.1	0.1	0.1	+	0.1	0.1
21		+		192	0.1	1.0	+	0.1	0.1	+	0.1	0.1
22				134	0.1	96	+	0.1	0.1	0.1	0.1	0.1
23				0.7	0.1	19.8	+	0.1	0.2	0.1	0.1	0.1
24			+	0.7	0.1	4.2	0.1	0.1	2.3	0.1	0.1	0.1
25			0	0.7	0.1	1.2	0.1	0.1	0.7	+	0.1	0.2
26			+	0.2	+	0.7	0.1	0.1	0.1	+	0.1	0.5
27			+	0.2	+	0.7	0.1	0.1	0.1	+	0.1	0.7
28			0.1	0.1	+	0.7	1.0	0.1	0.1	0.1	0.1	0.7
29			0.1	0.1	0.1	0.1	0.7	0.1	0.1	0.1	+	0.2
30		+	0.1	0.1		0.2	0.2	0.1	+	+	0.1	0.1
31	+		0.1	+		29		0.1		0.1	0.1	
	52.3	78.1	0.7	332.2	1.6	170.7	67.7	18.2	13.9	1.5	6.4	4.1
MEAN	1.69	2.60	0.02	10.7	0.06	5.51	2.26	0.61	0.46	0.05	0.21	0.14
ACRE-FEET	104.	155.	1.4	659.	3.2	339.	134.	36.	28.	3.0	12.7	8.2

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.04
ACRE-FEET 1,480.

760T4M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F252-R

Daily discharge, in second-feet of VERDUGO WASH at Estelle Street, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.1	0.2	0.1	0.1	0.1	108	0.2	0.2	0.1	0.1	0.2
2	0.2	+	0.2	0.1	0.1	0.1	160	0.2	0.2	0.2	0.2	0.2
3	0.2	|	0.1	0.5	0.1	0.1	21	0.2	0.2	0.2	0.2	0.2
4	0.2	|	0.1	0.7	0.1	0.2	44	0.2	0.2	0.5	0.2	0.2
5	0.1	|	0.1	0.7	11.1	0.2	2.0	0.2	0.2	0.2	0.2	0.2
6	0.1	|	0.1	1.4	14.7	0.5	1.5	0.2	0.5	0.2	0.1	9.5
7	0.1	+	0.1	26	0.1	2.1	12.9	0.5	0.5	0.5	0.1	1.2
8	0.1	0.1	0.2	0.1	0.1	+	192	0.5	0.5	0.5	0.1	0.5
9	0.1	94	0.2	0.2	0.5	+	249	0.5	0.2	0.5	0.1	0.2
10	0.1	46	0.2	0.2	0.1	0.1	5.0	0.5	0.2	0.5	0.1	0.2
11	0.1	0.1	0.2	0.2	0.1	0.5	2.5	0.5	0.1	0.5	0.1	0.5
12	0.1	0.5	0.7	0.2	0.1	0.9	10.4	0.7	0.1	0.5	1.2	0.2
13	0.1	0.1	0.1	0.2	0.1	5.1	6.1	0.2	0.1	0.5	b 0.3	0.2
14	0.1	+	0.1	0.1	0.1	0.9	1.5	0.1	0.2	0.5	0.2	0.2
15	+	+	0.1	0.1	0.1	4.9	0.7	0.1	0.1	0.2	0.2	0.5
16	|	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.5	0.2	0.5
17	|	16.5	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	2.8
18	|	0.1	0.5	0.2	0.1	0.1	0.1	0.1	0.1	0.2	b 0.2	78
19	|	0.1	6.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	5.0
20	|	0.5	36	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2
21	+	0.1	0.7	0.1	0.1	0.1	0.5	0.1	0.1	d 0.2	0.2	0.2
22	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	d 0.2	0.1	0.2
23	0.1	0.2	0.1	0.1	0.1	0.2	0.5	0.1	0.1	0.2	0.2	0.2
24	0.1	0.2	0.1	16.8	0.1	0.2	0.5	0.2	0.1	0.2	0.2	0.2
25	0.1	0.5	0.1	0.1	0.1	0.1	0.7	0.1	0.7	0.2	0.2	0.2
26	0.1	0.1	2.9	0.2	0.2	0.1	0.5	0.1	0.5	0.1	0.2	0.2
27	1.2	0.5	64	0.1	0.5	0.5	0.5	0.1	0.5	0.1	0.2	0.2
28	1.0	0.5	0.7	0.1	0.2	1.0	0.5	0.1	0.5	0.1	0.7	0.2
29	8.8	0.1	0.5	0.1		1.0	0.2	0.1	0.5	0.2	0.5	0.2
30	0.2	0.2	0.7	0.1		1.0	0.2	0.1	0.2	0.2	0.2	0.2
31	0.1		0.2	0.1		57		0.2		0.2	0.2	
	13.6	160.7	115.6	49.6	29.4	77.5	821.6	6.6	7.3	7.8	7.5	102.7
MEAN	0.44	5.36	3.73	1.60	1.05	2.50	27.4	0.21	0.24	0.28	0.24	3.42
ACRE-FEET	27.	319.	229.	98.	58.	154.	1,630.	13.	14.	17.	15.	204.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 3.84
ACRE-FEET 2,780.

STATION F304-R
WALNUT CREEK at Puente Avenue

LOCATION: LAT. 34°03'45", LONG. 117°57'45", ON THE RIGHT (NORTH) SIDE OF THE CHANNEL 845 FEET UPSTREAM OF THE PUENTE AVENUE BRIDGE IN BALDWIN PARK. ELEVATION OF ZERO GAGE HEIGHT 326.85 FEET.

DRAINAGE AREA: 57.6 SQUARE MILES OF WHICH 32.3 SQUARE MILES ARE CONTROLLED BY PUDDINGSTONE DAM.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE, 50 FEET WIDE BY 14.5 FEET DEEP.
CONTROL - CHANNEL FORMS CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1963 TO SEPTEMBER 30, 1965.

REGULATION: FLOW PARTIALLY REGULATED BY SAN DIMAS DAM, PUDDINGSTONE DIVERSION DAM, PUDDINGSTONE DAM AND LIVE OAK DAM. IRRIGATION COMPANIES AT TIMES SPREAD SAN GABRIEL RIVER WATER FROM THE COVINA CANAL IN WALNUT CREEK.

DIVERSIONS: SEVERAL DIVERSIONS FOR IRRIGATION AND DOMESTIC USE.

RECORDS AVAILABLE: OCTOBER 14, 1952 TO APRIL 11, 1961, AND JANUARY 3, 1962 TO SEPTEMBER 30, 1965. SEE STATION F47-R, WALNUT CREEK AT COVINA BOULEVARD, FOR PREVIOUS RECORDS.

EXTREMES OF DISCHARGE
1963-64
MAXIMUM: 1280 SECOND-FEET JANUARY 22.
MINIMUM: NO FLOW AT VARIOUS TIMES.
1964-65
MAXIMUM: 3250 SECOND-FEET APRIL 9.
MINIMUM: NO FLOW MOST OF YEAR.
1952-65
MAXIMUM: 3450 SECOND-FEET JANUARY 26, 1956.
MINIMUM: NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F304-R

Daily discharge, in second-feet of WALNUT WASH at Puente Avenue, for the year ending September 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.2	0.1	+	0.8	3.0	2.4	56	2.4	2.4	a 2.1	3.6	2.4
2	0.5	0.1		0.8	3.0	23	0.3	2.4	2.4	2.3	4.4	1.8
3	+	0.1		0.8	3.0	0.8	0.2	3.0	3.0	2.5	4.4	1.4
4		0.1		0.8	1.4	1.8	1.2	3.0	3.0	2.7	3.6	1.4
5		+		0.8	1.9	3.6	1.8	3.0	3.0	2.9	4.4	1.8
6		25		0.5	1.8	2.9	1.4	3.0	3.0	3.1	3.6	1.8
7		+		0.5	3.0	2.4	1.2	3.0	3.0	3.3	3.0	1.8
8		+		0.5	3.6	1.8	1.8	2.4	3.0	3.5	3.0	1.8
9		+		0.5	3.6	1.8	1.8	3.0	16.7	3.5	3.0	1.8
10		0.1		1.4	3.6	1.4	1.4	3.0	3.0	3.4	3.0	1.8
11		+		1.2	3.6	1.8	2.4	3.0	3.6	3.3	3.6	1.4
12		+		1.3	3.6	10.5	2.4	3.0	3.0	3.2	4.4	1.8
13		+		1.4	2.4	3.0	2.4	3.0	3.6	3.1	4.4	1.8
14		0.1	+	0.8	0.8	2.4	1.4	3.0	3.6	a 3.0	4.4	1.8
15	+	22	0.1	1.2	0.8	3.0	1.8	3.0	5.2	a 3.0	3.6	1.4
16	15.2	0.3	0.1	1.2	0.8	2.4	3.0	3.0	3.0	1.8	3.6	0.8
17	0.2	+	0.2	1.8	0.8	2.4	7.4	3.0	3.6	3.0	3.0	1.2
18	0.2	+	0.8	3.6	1.2	1.4	3.0	2.4	3.6	4.4	3.0	1.4
19	0.1	11.9	0.5	2.4	1.8	1.8	3.0	2.4	3.6	4.4	3.0	1.4
20	+	232	0.6	2.4	1.3	2.4	1.4	3.0	3.0	4.4	3.6	1.8
21		1.8	1.2	77	1.2	2.4	1.4	3.6	2.4	3.6	3.0	1.8
22		0.5	1.2	133	1.2	86	1.8	4.4	1.8	3.0	2.4	1.8
23	↓	0.3	1.2	0.8	1.4	59	3.6	3.6	1.4	3.0	2.4	1.8
24	0.1	0.3	0.8	0.5	1.4	2.4	3.6	3.6	1.8	3.0	2.4	1.8
25	+	0.1	0.5	1.4	2.4	0.5	3.6	2.4	1.8	1.8	2.4	1.8
26	0.1	0.1	0.8	2.4	1.8	0.5	3.0	1.8	1.8	3.0	2.4	2.4
27	0.1	0.1	0.8	2.4	1.8	1.2	2.4	1.4	1.8	3.0	2.4	2.4
28	0.1	0.1	1.2	3.0	2.4	0.8	7.7	1.8	1.8	2.4	2.4	1.8
29	0.1	0.1	1.2	3.0	3.0	0.8	2.4	1.4	1.4	1.8	2.4	1.8
30	0.1	0.1	0.8	3.0		0.5	2.4	3.0	1.2	3.0	2.4	1.2
31	0.1		0.8	3.0		14.4		3.0		3.0	2.4	
	19.1		13.0		62.0		127.2		95.5		99.6	
		295.3		254.7		241.5		87.0		93.5		51.2
MEAN	0.62	9.84	0.42	8.22	2.14	7.79	4.24	2.80	3.18	3.02	3.21	1.71
ACRE-FEET	38.	586.	26.	505.	123.	479.	254.	173.	189.	185.	198.	102.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 3.93
ACRE-FEET 2,860.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F304-R

Daily discharge, in second-feet of WALNUT CREEK above Puente Avenue, for the year ending September 30, 1965

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.6	2.1	1.6	0.9	0.9	2.1	244	2.1	2.1	1.6	2.1	2.1
2	2.1	1.6	0.9	0.9	0.9	2.7	92	3.3	2.1	0.9	2.1	2.1
3	1.6	1.6	1.2	1.2	0.9	2.1	54	7.8	2.1	1.6	2.1	1.6
4	2.1	a 1.6	1.2	0.9	2.1	2.1	12.6	1.2	2.1	1.6	2.7	2.1
5	1.6	a 1.5	1.2	0.6	2.1	1.6	2.1	1.6	2.7	1.6	2.1	2.1
6	1.6	1.6	1.6	0.6	19.9	2.7	0.9	2.1	2.7	1.2	2.1	2.7
7	1.6	1.6	2.1	12.8	2.7	11.1	2.0	1.6	2.1	1.2	1.6	9.8
8	1.6	2.1	2.1	0.9	5.5	1.6	227	0.4	2.7	4.8	1.6	0.9
9	2.1	14.7	2.1	2.1	3.3	2.1	435	0.4	2.7	4.0	0.9	0.9
10	2.1	33	1.6	2.1	1.6	1.6	14.3	0.2	a 2.7	2.7	1.2	0.9
11	2.7	0.2	2.1	1.6	1.6	2.1	2.7	2.7	2.7	2.1	1.2	0.9
12	2.1	0.4	2.1	1.6	1.2	2.7	1.6	4.0	2.7	2.1	0.4	0.9
13	2.7	0.2	2.1	1.2	1.2	24	1.2	2.7	2.7	3.3	0.6	0.9
14	2.7	1.6	2.1	1.2	1.2	1.6	0.6	2.1	2.7	4.8	1.2	0.9
15	2.1	1.6	1.6	1.2	1.2	10.5	0.6	2.7	2.7	4.8	1.6	136
16	2.7	1.2	1.6	1.2	1.6	0.9	1.6	2.7	2.7	4.0	1.6	310
17	2.1	58	1.6	0.9	2.1	0.4	1.6	2.1	a 2.7	11.2	2.1	310
18	2.1	1.2	1.6	1.2	2.1	0.2	1.6	1.6	2.7	2.7	2.7	228
19	2.1	1.2	2.7	1.2	2.1	0.2	2.1	2.7	2.7	2.1	2.7	34
20	2.1	1.6	23	1.2	2.1	0.2	1.2	2.7	2.1	2.1	2.1	272
21	1.2	1.2	1.2	1.2	2.7	0.2	2.1	1.6	0.9	2.7	2.7	299
22	2.1	1.2	1.2	1.2	2.7	0.2	2.1	2.1	0.9	2.1	2.7	299
23	2.1	1.6	1.2	1.2	2.7	0.6	2.1	2.7	0.6	1.6	2.1	289
24	2.1	2.1	1.2	18.2	2.1	1.2	2.7	2.1	1.6	1.6	1.6	284
25	2.1	1.2	0.9	1.2	2.7	0.9	2.7	2.7	1.6	1.6	1.6	268
26	1.6	1.6	1.2	1.2	1.2	0.6	2.1	2.7	2.1	1.6	1.6	237
27	2.1	1.6	89	1.2	1.2	0.6	2.1	1.6	1.6	3.3	1.2	232
28	2.1	1.6	3.3	1.2	2.1	0.9	2.7	2.1	1.2	2.1	2.7	223
29	7.9	1.6	0.2	0.9		1.6	2.7	2.1	0.6	2.7	2.1	242
30	1.6	1.6	1.2	0.9		2.7	2.1	2.1	1.2	13.9	1.6	94
31	1.6		0.9	0.9		79		2.1		2.7	1.6	
	67.9		157.6		74.7		1,122.1		62.7		56.2	
		144.0		64.8		161.0		70.6		96.3		3,784.8
MEAN	2.19	4.80	5.08	2.09	2.67	5.19	37.4	2.28	2.09	3.11	1.81	126.
ACRE-FEET	135.	286.	313.	129.	148.	319.	2,230.	140.	124.	191.	111.	7,510.

Remarks:

YEAR OR PERIOD MEAN 16.1
ACRE-FEET 11,640.

STAFF GAGE STATIONS

DISCHARGE MEASUREMENTS OF ARROYO SECO F58-S

AT Avenue 26 DURING THE YEAR ENDING SEPTEMBER 30, 1964

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
754	10/3	0907 / 0912	BOWMAN	7.0	1.02	1.08		1.1		5	5		FC48
755	10/10	1240 / 1246	"	8.0	1.22	0.99		1.2		5	6		"
756	10/17	1416 / 1421	"	7.0	1.24	1.37		1.7		5	6		"
757	10/24	1515 / 1523	"	8.0	1.24	1.13		1.4		5	6	0	"
758	10/31	1223 / 1228	"	7.0	0.87	1.02		0.89		5	6		"
759	11/7	1425 / 1429	"	8.5	1.45	1.65		2.4		5	6		"
760	11/14	0930 / 0936	"	8.0	1.13	1.24		1.4		5	6		"
761	11/21	0925 / 0931	"	7.0	1.22	2.38		2.9		5	5		"
762	11/27	0930 / 0935	"	8.0	1.23	1.06		1.3		5	6	0	"
763	12/5	0915 / 0920	"	8.0	1.20	1.00		1.2		5	6		"
764	12/12	0950 / 0957	"	8.0	1.11	1.26		1.4		5	6		"
765	12/19	0943 / 0956	MAYFIELD	7.8	1.03	1.17		1.2		5	9		"
766	12/26	1010 / 1026	"	8.5	1.06	1.04		1.1		5	10		"
767	1/2	1018 / 1022	BOWMAN	7.0	1.26	1.11		1.4		5	5		"
768	1/9	0912 / 0917	"	7.0	1.01	1.19		1.2		5	6		"
769	1/16	0855 / 0900	"	7.0	1.03	1.17		1.2		5	6	0	"
770	1/23	0923 / 0927	"	7.0	1.16	1.51		1.8		5	6		FC70
771	1/30	0935 / 0940	"	7.0	1.19	1.17		1.4		5	6		"
772	2/6	0932 / 0940	"	8.0	1.22	0.82		1.0		5	6	0	"
773	2/13	0918 / 0922	"	8.0	1.09	1.10		1.2		5	6		"
774	2/20	0845 / 0854	MC BRIDE	5.0	0.55	1.82		1.0		5	7		"
775	2/27	0919 / 0923	BOWMAN	8.0	1.03	1.07		1.1		5	6	0	"
776	3/5	0900 / 0907	"	8.0	1.34	1.34		1.8		5	6		"
777	3/12	0903 / 0907	"	7.0	0.96	1.04		1.0		5	6		"
778	3/19	1436 / 1443	LUYENDYK - BOWMAN	8.0	0.94	1.03		0.97		5	6		"
779	3/26	0938 / 0943	BOWMAN	8.0	0.97	0.97		0.94		5	6		"
780	4/2	1455 / 1503	LUYENDYK - PETERSEN	9.0	1.66	1.00		1.7		5	6		"
781	4/9	0908 / 0915	BOWMAN	10.0	1.97	1.52		3.0		5	7		"
782	4/16	1010 / 1015	"	8.5	1.43	1.26		1.8		5	7		"
783	4/23	0838 / 0845	SINGER - BOWMAN	8.5	1.75	1.43		2.5		5	6		"
784	4/30	0910 / 0915	BOWMAN	8.3	1.25	1.04		1.3		5	6		"
785	5/7	0910 / 0916	"	8.0	0.88	0.84		0.74		5	6		"
786	5/14	0806 / 0812	MEAD - BOWMAN	8.0	1.22	1.15		1.4		5	6		"
787	5/21	0930 / 0940	SINGER - BOWMAN	6.9	0.85	1.30		1.1		5	6		"
788	5/28	0928 / 0932	BOWMAN	7.0	0.99	1.00		1.0		5	6		"
789	6/4	0915 / 0925	"	8.0	1.14	0.97		1.1		5	6		"
790	6/11	1435 / 1442	LUYENDYK - BOWMAN	8.4	1.30	1.46		1.9		5	6		"
791	6/18	0850 / 0856	BOWMAN	8.5	1.34	1.42		1.9		5	6		"
792	6/25	0930 / 0946	LUYENDYK	11.5	2.91	2.02		5.9		5	9		FC59
793	7/2	1420 / 1429	"	6.7	0.80	2.12		1.7		5	12		"
794	7/9	1405 / 1416	"	7.0	0.87	1.50		1.3		5	9		"
795	7/16	0900 / 0906	BOWMAN	7.5	0.78	0.81		0.63		5	6		FC70
796	7/23	0837 / 0900	SINGER	6.9	0.73	1.20		0.86		5	13		"
797	7/30	0900 / 0906	BOWMAN	7.0	0.92	0.93		0.86		5	5		"
798	8/6	0920 / 0926	"	7.0	0.86	1.01		0.87		5	6		"
799	8/13	0848 / 0854	"	7.5	0.95	0.88		0.84		5	6		"
800	8/20	0852 / 0857	"	7.2	1.12	1.07		1.2		5	6		"
801	8/27	0840 / 0848	"	7.5	1.35	0.76		1.0		5	6		"
802	9/3	0843 / 0846	"	7.4	1.18	0.75		0.89		5	6		"
803	9/10	0755 / 0807	LUYENDYK	9.2	1.82	0.66		1.2		5	7		FC61
804	9/10	0858 / 0902	BOWMAN	7.2	1.18	0.76		0.90		5	6		FC70
805	9/16	0842 / 0848	"	7.5	0.95	0.94		0.89		5	6	0	"

DISCHARGE MEASUREMENTS OF ARROYO SECO F58-S

AT Avenue 26 DURING THE YEAR ENDING SEPTEMBER 30, 1965

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
806	10 1	0905 / 0911	BOWMAN	7.5	1.22	0.70		0.85		5	6		FC 70
807	10 8	0912 / 0916	"	7.5	1.28	0.78		1.0		5	7		"
808	10 15	0854 / 0904	CARPENTER - BOWMAN	7.5	1.17	0.81		0.90		5	7		"
809	10 23	0900 / 0910	BOWMAN	5.3	0.89	1.80		1.6		5	6		"
810	11 5	0900 / 0910	"	7.5	0.92	0.94		0.86		5	7		
811	11 12	0940 / 0947	"	8.5	1.33	1.88		2.5		5	7		FC 64
812	11 19	0900 / 0908	"	7.5	1.06	1.22		1.3		5	7		FC 70
813	11 25	0950 / 0956	"	7.0	0.79	1.20		0.95		5	6		
814	12 3	0900 / 0909	"	8.0	1.11	1.17		1.3		5	7		"
815	12 11	0740 / 0800	SINGER	8.0	1.08	1.76		1.9		5	9		FC 48
816	12 17	0930 / 0944	FABER - BOWMAN	7.5	0.98	1.22		1.2		5	7		FC 70
817	12 22	0915 / 0920	BOWMAN	7.5	1.04	1.35		1.4		5	7		"
818	12 30	0840 / 0846	"	7.8	0.99	1.11		1.1		5	7		"
819	1 14	0900 / 0908	"	8.0	0.88	1.03		0.91		5	7		"
820	1 21	0857 / 0902	"	8.0	1.09	1.10		1.2		5	7		"
821	1 28	0905 / 0912	"	8.0	1.08	1.02		1.1		5	7		"
822	2 4	0824 / 0820	"	7.5	0.90	1.05		0.95		5	7		"
823	2 11	0825 / 0832	"	8.0	1.00	1.10		1.1		5	7		"
824	2 18	1025 / 1032	"	7.5	0.94	1.01		0.95		5	7		"
825	2 25	0920 / 0930	"	8.0	0.96	0.80		0.77		5	7		"
826	3 4	0845 / 0851	"	8.0	0.78	0.86		0.67		5	7		"
827	3 11	0910 / 0916	"	8.0	1.20	0.83		1.0		5	7		"
828	3 18	0930 / 0936	"	8.0	0.91	1.05		0.96		5	7		"
829	3 25	0930 / 0937	"	9.5	1.86	1.51		2.8		5	8		"
830	4 15	0927 / 0935	"	8.5	1.63	1.35		2.2		5	7		FC 64
831	4 22	0837 / 0845	"	10.0	2.17	1.34		2.9		5	8		"
832	4 29	0830 / 0840	"	12.0	3.03	1.65		5.0		5	8		"
833	5 6	0910 / 0916	"	8.0	1.00	1.00		1.0		5	7		FC 70
834	5 13	1548 / 1553	LUYENDYK	7.2	1.14	1.49		1.7		5	6		FC 51
835	5 20	0915 / 0922	BOWMAN	7.0	1.06	1.13		1.2		5	6		FC 70
836	5 27	1430 / 1438	"	6.0	1.21	1.16		1.4		5	7		"
837	6 3	0910 / 0917	"	8.5	1.71	1.11		1.9		5	7		FC 64
838	6 10	0910 / 0917	"	8.5	1.39	0.86		1.2		5	7		FC 70
839	6 17	0852 / 0856	"	8.0	1.21	1.00		1.2		5	7		"
840	6 24	0938 / 0943	LUYENDYK	7.8	1.37	1.17		1.6		5 / 5	7 / 9		FC 61
841	7 2	0830 / 0841	"	8.5	1.66	0.96		1.6		5	7		FC 51
842	7 8	0923 / 0930	"	7.5	1.35	0.96		1.3		6	11		"
843	7 15	0905 / 0911	BOWMAN	8.0	0.91	1.03		0.94		5	7		FC 70
844	7 22	0900 / 0906	"	8.0	1.15	0.96		1.1		5	7		"
845	7 29	0924 / 0930	"	7.5	1.11	0.90		1.0		5	7		"
846	8 5	0840 / 0846	"	8.0	1.03	0.95		0.98		5	7		"
847	8 12	0820 / 0826	"	20.0	7.24	4.50		32.6		6	6		FC 64
848	8 19	0630 / 0838	"	20.0	6.40	3.51		23.1		5 / 6	6		"
849	8 26	0816 / 0821	"	8.0	1.27	0.87		1.1		5	7		FC 70
850	9/2	0920 / 0927	"	8.0	1.25	0.80		1.0		5	7		"
851	9/8	0845 / 0853	"	7.5	0.88	1.14		1.0		5	7		"
852	9/16	1448 / 1453	"	7.8	0.91	1.00		0.91		5	7		"
853	9/23	0900 / 0910	"	7.0	0.75	1.03		0.77		5	6		"
854	9/30	0840 / 0846	"	7.5	1.03	1.07		1.1		5	7		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F143-5

above Pallett Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 64

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.-PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC.-FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
648	10/2	1315 / 1325	WHISLER	CHANNELS				1.3		.5	9		FC59
649	10/9	1400 / 1410	"	"				1.2		.5	9		"
650	10/23	1330 / 1340	"	"				1.1		.5	9		"
651	10/30	1320 / 1330	"	"				1.0		.5	9		"
652	11/7	1325 / 1333	"	"				0.94		.5	9		"
653	11/13	1225 / 1235	FALCONE	4.5	0.95	0.92		0.87		.5	7		"
654	11/26	1225 / 1230	"	4.1	1.13	0.97		1.1		.5	6		"
655	12/4	1330 / 1340	WHISLER	CHANNELS				0.90		.5	9		"
656	12/11	1315 / 1325	"	8.5	1.45	0.68		0.98		.5	9		"
657	12/19	1300 / 1308	"	8.2	1.50	0.73		1.1		.5	9		"
658	12/26	1135 / 1145	FALCONE	8.0	1.31	0.84		1.1		.5	10		"
659	1/2	1255 / 1305	WHISLER	8.2	1.53	0.78		1.2		.5	9		"
660	1/8	1325 / 1335	"	8.4	1.57	0.83		1.3		.5	9		"
661	1/15	1326 / 1334	"	8.4	1.71	0.82		1.4		.5	10		"
662	1/29	1300 / 1308	"	8.4	1.80	1.00		1.8		.5	10		"
663	2/5	1335 / 1347	"	8.4	1.86	1.02		1.9		.5	10		"
664	2/9	1340 / 1350	"	8.6	1.79	1.01		1.8		.5	10		"
665	2/11	1247 / 1255	"	8.5	1.93	0.98		1.9		.5	10		"
666	2/26	1300 / 1310	"	8.5	1.66	1.08		1.8		.5	10		"
667	3/4	1300 / 1310	"	8.5	2.03	1.08		2.2		.5	10		"
668	3/11	1405 / 1415	"	8.5	2.19	1.10		2.4		.5	10		"
669	3/18	1055 / 1103	"	8.5	2.11	1.14		2.4		.5	10		"
670	3/25	1346 / 1358	LUYENDYK – WHISLER	8.0	1.79	1.17		2.1		.5	9		"
671	4/2	1038 / 1048	WHISLER	CHANNELS				9.8		.5	20		"
672	4/8	1315 / 1325	"	8.0	2.07	1.21		2.5		.5	9		"
673	4/15	1325 / 1335	"	8.0	1.99	1.11		2.2		.5	9		"
674	4/23	1058 / 1108	"	8.0	1.94	1.03		2.0		.5	9		"
675	4/29	1355 / 1405	"	8.5	2.05	1.02		2.1		.5	10		"
676	5/6	1420 / 1430	"	8.2	1.96	1.12		2.2		.5	9		"
677	5/20	1032 / 1042	"	8.4	2.07	1.01		2.1		.5	10		"
678	5/27	1350 / 1402	"	8.4	1.92	0.94		1.8		.5	10		"
679	6/3	1150 / 1158	"	8.4	2.09	1.01		2.1		.5	10		"
680	6/10	1310 / 1320	"	8.4	2.06	1.02		2.1		.5	10		"
681	6/17	1400 / 1410	"	8.5	2.21	0.95		2.1		.5	10		"
682	6/25	1520 / 1530	BOWMAN	8.0	1.78	0.96		1.7		.5	9	0	FC70
683	7/1	1435 / 1444	"	5.0	1.31	1.14		1.5		.5	7		FC64
684	7/8	1425 / 1435	"	5.0	1.35	1.26		1.7		.5	7		FC70
685	7/15	1325 / 1335	WHISLER	8.5	2.06	0.73		1.5		.5	10		FC59
686	7/22	1100 / 1110	"	8.5	1.99	0.95		1.9		.5	10		"
687	8/5	1400 / 1408	"	5.5	1.41	1.07		1.5		.5	7		"
688	8/19	1424 / 1432	"	8.5	2.08	0.77		1.6		.5	10		"
689	9/2	1432 / 1438	"	5.0	1.28	1.17		1.5		.5	6		"
690	9/16	1300 / 1310	"	4.8	1.23	0.77		0.98		.5	9		"
691	9/30	1505 / 1515	"	4.8	1.25	0.80		1.0		.5	9		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F143-5

above Pallett Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 65

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.-PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC.-FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
692	10/14	1315 / 1325	WHISLER	4.8	1.00	0.73		0.73		.5	8		FC 59
693	10/28	1035 / 1045	"	4.8	1.01	0.71		0.72		.5	8		"
694	11/12	1400 / 1410	"	4.8	1.06	0.62		0.66		.5	9		"
695	12/2	1415 / 1425	"	4.8	1.13	0.58		0.66		.5	9		"
696	12/9	1200 / 1212	"	5.4	1.31	0.56		0.73		.5	9		"
697	12/16	1210 / 1220	"	5.2	1.28	0.56		0.72		.5	9		"
698	12/22	1350 / 1356	"	4.6	0.63	0.68		0.43		.5	6		"
699	12/29	1325 / 1335	"	5.4	1.05	0.70		0.74		.5	7		"
700	1/6	1254 / 1300	"	5.0	0.66	0.62		0.41		.5	6		"
701	1/13	1415 / 1421	"	5.0	0.66	0.65		0.43		.5	6		"
702	1/20	1310 / 1318	"	4.5	0.57	0.75		0.43		.5	6		"
703	1/27	1325 / 1333	"	4.6	0.57	0.74		0.42		.5	6		"
704	2/3	1330 / 1338	"	4.6	0.89	0.49		0.44		.5	6		"
705	2/10	1450 / 1456	"	4.5	0.52	0.79		0.41		.5	6		"
706	2/17	1352 / 1358	FABER – WHISLER	5.0	0.59	0.64		0.38		.5	6		"
707	2/24	1348 / 1356	WHISLER	5.0	0.59	0.64		0.38		.5	6		"
708	3/3	1010 / 1015	"	4.6	0.63	0.87		0.55		.5	6		"
709	3/10	1520 / 1526	"	4.4	0.63	0.89		0.56		.5	6		"
710	3/17	1325 / 1331	"	4.5	0.67	0.90		0.60		.5	6		"
711	3/24	1325 / 1331	"	4.0	0.60	1.05		0.63		.5	5		"
712	4/7	1032 / 1038	"	4.8	0.80	1.25		1.0		.5	6		"
713	4/14	1240 / 1248	"	5.5	1.04	1.35		1.4		.5	7		"
	4/21		"					12.9		Est			
	4/28		"					13.2		Est			
714	5/5	1350 / 1400	"	9.0	3.95	2.10		8.3		.5	10		FC 41
715	5/12	1307 / 1314	"	9.0	3.50	1.86		6.5		.5	10		"
716	5/19	1250 / 1300	"	9.6	3.31	1.78		5.9		.5	10		"
717	5/26	1330 / 1340	"	9.0	3.52	1.73		6.1		.5	10		"
718	6/2	1310 / 1320	"	9.0	3.34	1.65		5.5		.5	10		"
719	6/9	1300 / 1312	"	8.8	3.27	1.56		5.0		.5	10		"
720	6/16	1200 / 1210	"	8.6	3.21	1.68		5.4		.5	10		FC 59
721	6/23	1440 / 1446	BOWMAN	9.6	4.45	1.10		4.9		.5	9		FC 64
722	6/30	1512 / 1522	"	9.0	3.88	1.11		4.3		.5	8		"
723	7/8	1420 / 1430	"	9.5	3.95	1.06		4.2		.5	9		"
724	7/14	1220 / 1230	WHISLER	9.0	3.41	1.17		4.0		.5	10		FC 59
725	7/21	1320 / 1330	"	8.5	2.97	1.21		3.6		.5	10		FC 41
726	7/28	1342 / 1352	"	8.5	2.87	1.11		3.2		.5	10		"
727	8/4	1315 / 1325	"	8.4	2.79	1.08		3.0		.5	10		"
728	8/11	1310 / 1320	"	9.0	2.63	1.22		3.2		.5	10		"
729	8/18	1340 / 1352	"	9.0	2.74	1.20		3.3		.5	10		"
730	9/1	1350 / 1400	"	8.5	2.64	1.14		3.0		.5	10		"
731	9/15	1335 / 1345	"	8.5	2.11	1.09		2.3		.5	10		"
732	9/29	1230 / 1242	"	8.5	2.13	1.17		2.5		.5	10		FC 59

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F295-S

above Rising Water DURING THE YEAR ENDING SEPTEMBER 30, 19 64

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
	3/25	1258	WHISLER					0					
242	4/2	1002 1012	"	12.0	4.88	1.70		8.3		.5	13		FC59
	4/8	1225	"					0					
	4/15	1130	"					0					
	4/23	1045	"					0					
	4/29	1245	"					0					
	5/6	1335	"					0					
	5/20	1125	"					0					
	6/3	1115	"					0					
	6/10	1120	"					0					
	6/17	1235	"					0					

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F295-S

above Rising Water DURING THE YEAR ENDING SEPTEMBER 30, 19 65

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
	2/17	1253	WHISLER - FABER					0					
	4/7	1047	WHISLER					0		Est.			
	4/14	1210	"					0.15		"			
243	4/21	1252 1302	"	16.0	6.69	1.76		11.8		.6	9		FC 41
244	4/28	1305 1316	"	16.0	6.16	1.97		12.1		.5	9		"
245	5/5	1302 1310	"	13.0	4.05	1.51		6.1		.5	8		"
246	5/12	1236 1242	"	13.0	3.80	1.21		4.6		.5	8		"
247	5/19	1210 1216	"	11.5	3.37	1.25		4.2		.5	8		"
248	5/26	1132 1140	"	12.0	3.46	1.16		4.0		.5	8		"
249	6/2	1209 1215	"	12.0	3.07	0.94		2.9		.5	8		"
250	6/9	1210 1216	"	11.0	2.80	0.82		2.3		.5	8		"
251	6/16	1054 1100	"	11.0	2.61	0.92		2.4		.5	8		FC 59
252	6/23	1317 1326	BOWMAN	9.5	1.68	0.71		1.2		.5	8		FC 64
253	6/30	1314 1324	"	9.5	1.81	0.72		1.3		.5	8		"
254	7/8	1238 1244	"	4.5	1.24	0.80		1.0		.5	6		FC 70
255	7/14	1052 1057	WHISLER	4.5	0.96	0.83		0.80		.5	8		FC 59
256	7/21	1220 1226	"	5.0	0.66	1.16		0.79		.5	6		"
257	7/28	1223 1225	"	3.0	0.46	0.48		0.22		.5	4		"
	8/11	1205	"					0		Obs.			
	9/1	1135	"					0		"			

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F171-S

NEAR Valyermo Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 64

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
	10/2	1230	WHISLER					0.05		EST.			
	10/9	1315	"					0.04		"			
	10/23	1236	"					0.10		"			
	10/30							0.10		"			
	11/7	1235	"					1.7		"			
380	11/13	1030 1040	FALCONE	2.2	0.37	0.43		0.16		.5	6		FC59
381	11/26	1000 1010	"	9.0	2.51	1.04		2.6		.5	10		"
382	12/4	1240 1248	WHISLER	CHANNELS				2.2		.5	10		"
383	12/11	1120 1128	"	"				3.5		.5	11		"
384	12/19	1100 1108	"	"				2.6		.5	13		"
385	12/26	1045 1055	FALCONE	9.0	1.90	0.68		1.3		.5	10		"
	1/2	1205	WHISLER					0.20		EST.			

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
386	1/8	1208 1212	WHISLER	5.8	0.74	0.53		0.39		.5	7		FC59
387	1/15	1128 1135	"	6.0	0.84	0.39		0.34		.5	7		"
388	1/29	1130 1135	"	6.0	1.10	0.85		0.94		.5	7		"
389	2/5	1140 1144	"	5.5	0.89	0.87		0.77		.5	7		"
390	2/11	1105 1109	"	5.0	0.89	0.75		0.67		.5	6		"
391	2/19	1143 1147	"	5.0	0.87	0.76		0.66		.5	6		"
392	2/26	1340 1346	"	6.0	1.14	0.66		0.78		.5	7		"
393	3/4	1150 1200	"	CHANNELS				1.6		.5	12		"
394	3/11	1232 1242	"	"				1.6		.5	12		"
395	3/18	1300 1306	"	6.0	1.21	0.38		0.46		.5	6		"
396	3/25	1236 1242	LUYENDYK - WHISLER	4.5	0.79	0.68		0.54		.5	6		"
397	4/2	0905 0943	WHISLER	CHANNELS				12.1		.5	22		"
398	4/8	1207 1212	"	"				1.9		.5	7		"
399	4/15	1030 1038	"	"				1.1		.5	9		"
400	4/23	1012 1020	"	"				1.3		.5	15		"
401	4/29	1215 1221	"	"				1.8		.5	10		"
402	5/6	1300 1312	"	"				2.8		.5	14		"
403	5/20	1300 1312	"	"				1.6		.5	13		"
404	5/27	1222 1224	"	4.5	0.58	0.93		0.54		.5	5		"
405	6/3	1056 1100	"	4.2	0.50	0.62		0.41		.5	5		"
406	6/10	1105 1108	"	4.0	0.47	0.57		0.27		.5	5		"
407	6/17	1200 1205	"	4.0	0.43	0.56		0.24		.5	5		"
408	6/25	1307 1317	BOWMAN	2.1	0.24	0.75		0.16		.5	9		FC70
409	7/1	1310 1318	"	1.5	0.21	0.76		0.16		.5	7		"
410	7/8	1135 1142	"	1.5	0.20	0.70		0.14		.5	6		"
411	7/15	1150 1154	WHISLER	2.0	0.33	0.76		0.25		.5	5		FC59
412	7/22	1310 1314	"	3.0	0.42	0.31		0.13		.5	4		"
	8/5	1305	"					0.03		EST.			
	8/19	1340	"					0.05		EST.			

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F171-S

NEAR Valyermo Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 65

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
418	11/12	1220 1230	WHISLER	CHANNELS				0.45		.5	10		FC 59
419	11/24	1036 1050	LUYENDYK	CHANNELS				0.81		.5	12		"
420	12/2	1322 1330	WHISLER	CHANNELS				0.58		.5	10		"
421	12/9	1055 1101	"	4.0	0.66	0.79		0.52		.5	5		"
422	12/16	1025 1035	"	CHANNELS				0.78		.5	9		"
423	12/22	1246 1252	"	4.0	0.42	0.64		0.27		.5	5		"
424	12/29	1205 1212	"	CHANNELS				1.4		.5	10		"
425	1/6	1127 1130	"	2.5	0.24	0.88		0.21		.5	5		"
426	1/13	1223 1227	"	3.0	0.46	0.87		0.40		.5	4		"
427	1/20	1132 1138	"	CHANNELS				0.30		.5	9		"
428	1/27	1147 1155	"	CHANNELS				0.89		.5	10		"
429	2/3	1213 1217	"	4.0	0.58	0.48		0.28		.5	5		"
430	2/10	1332 1338	"	CHANNELS				0.65		.5	10		"
431	2/17	1231 1237	FABER - WHISLER	4.0	0.29	0.45		0.13		.5	6		"
432	2/24	1330 1334	WHISLER	4.0	0.36	0.58		0.21		.5	5		"
433	3/3	1315 1318	"	3.0	0.39	0.59		0.23		.5	4		"
434	3/10	1245 1249	"	4.0	0.46	0.50		0.23		.5	5		"
435	3/17	1144 1147	"	3.0	0.39	0.72		0.28		.5	4		"
436	3/24	1100 1104	"	4.0	0.36	0.72		0.26		.5	5		"
437	4/7	0950 1002	"	CHANNELS				4.6		.5	16		"
438	4/14	1140 1153	"	CHANNELS				8.0		.5	15		"
	4/21	1222	"					29.1		Est.			
	4/28	1250	"					36.3		Est.			

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F171-5

NEAR Valyermo Highway DURING THE YEAR ENDING SEPTEMBER 30, 1965

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
439	5/5	1235 1245	WHISLER	16.0	7.42	2.09		15.5		.6	9		FC 41
440	5/12	1212 1222	"	13.0	5.40	1.98		10.7		.5	9		"
441	5/19	1130 1136	"	13.0	4.51	1.53		6.9		.5	8		"
442	5/26	1116 1124	"	13.0	4.35	1.47		6.4		.5	8		"
443	6/2	1142 1153	"	CHANNELS				4.6		.5	12		"
444	6/9	1142 1148	"	12.0	3.20	1.22		3.9		.5	7		"
445	6/16	1032 1042	"	CHANNELS				4.4		.5	13		FC 59
446	6/23	1230 1242	BOWMAN	CHANNELS				1.6		.5	14		FC 70
447	6/30	1216 1224	"	CHANNELS				1.3		.5	14		"
448	7/8	1120 1125	"	2.6	0.40	0.50		0.20		.5	5		"
	7/14	1020	WHISLER					0.20		Est.			
449	8/4	1210 1223	"	3.5	0.60	0.52		0.31		.5	5		FC 59
450	8/11	1144 1148	"	3.2	0.31	0.97		0.30		.5	5		"
451	8/18	1045 1048	"	3.0	0.44	0.68		0.30		.5	4		"
452	9/1	1110 1112	"	3.0	0.38	0.58		0.22		.5	4		"
	9/29	1130	"					0.15		Est.			

DISCHARGE MEASUREMENTS OF BOUQUET CANYON CREEK F142-S

below Dry Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1964

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1	4/1	0915 0920	WHISLER – GAETZ	35.0	14.4	4.47		64.4		.5	9		FC41

DISCHARGE MEASUREMENTS OF BOUQUET CREEK F284-S

1.5 miles above Texas Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1964

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
199	10/3	1307 1310	WHISLER	8.0	2.45	1.22		3.0		.5	8		FC59
200	10/10	1256 1304	"	8.0	2.46	1.26		3.1		.5	8		"
201	10/17	1412 1418	"	2.0	0.41	0.95		0.39		.5	5		"
	11/6	1300	"					0.30		EST.			
202	11/14	1100 1105	FALCONE	1.4	0.18	0.50		0.09		.5	5		FC59
203	11/21	1340 1350	"	2.7	0.85	1.15		0.98		.5			"
204	11/27	1045 1050	"	2.3	0.47	0.38		0.18		.5	6		"
	12/5	1240	WHISLER					+		EST.			
	12/18	0910	"					+		EST.			
205	1/23	1326 1352	"	5.4	0.93	0.54		0.50		.5	7		FC59
	3/26	1115	"					+		EST.			
206	4/1	1300 1304	WHISLER – GAETZ	6.0	2.13	1.55		3.3		.5	5		FC41
207	4/22	1344 1348	WHISLER	2.5	0.47	0.68		0.32		.5	6		FC59
208	4/30	1320 1325	"	5.0	1.03	0.58		0.60		.5	6		"
209	5/7	1208 1216	LUYENDYK – WHISLER	5.7	1.30	0.75		0.97		.5	7		"
210	5/14	1239 1243	WHISLER	5.0	0.87	0.61		0.53		.5	6		"
211	5/21	1007 1012	"	4.5	0.91	0.48		0.44		.5	6		"
212	5/28	1212 1216	"	5.0	1.09	0.48		0.52		.5	6		"
213	6/4	1104 1112	"	5.4	1.35	1.63		2.2		.5	7		"
214	6/11	1352 1400	"	10.0	2.39	1.09		2.6		.5	11		"
215	6/18	1530 1540	WHISLER	10.0	2.45	1.06		2.6		.5	11		FC59
216	6/24	1310 1317	BOWMAN	6.0	1.69	1.12		1.9		.5	7	0	FC64
217	7/2	0855 0903	"	6.5	1.56	2.78		4.4		.5	8		"
218	7/9	1055 1105	"	6.5	1.67	1.14		1.9		.5	7		"
219	7/16	1324 1337	WHISLER	8.0	1.65	1.33		2.2		.5	8		FC59
220	7/23	1336 1343	"	8.0	1.76	1.14		2.0		.5	9		"
221	7/30	1303 1312	LUYENDYK – WHISLER	8.0	1.76	1.19		2.1		.5	7		"
222	8/6	1300 1306	WHISLER	5.0	1.55	1.66		2.6		.5	6		FC41
223	8/13	1210 1220	SINGER – WHISLER	8.0	1.80	1.17		2.1		.5	9		"
224	8/20	1300 1310	WHISLER	6.5	1.61	1.12		1.8		.5	7		"
225	8/27	1302 1308	"	8.0	1.70	1.41		2.4		.5	8		"
226	9/3	1240 1244	"	3.6	0.49	0.92		0.45		.5	5		"
227	9/17	1352 1357	"	4.0	0.66	0.67		0.44		.5	5		FC59
	9/25	1302	"					+		EST.			

DISCHARGE MEASUREMENTS OF BOUQUET CREEK F284-S

1.5 miles above Texas Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1965

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
228	11/9	1032 1040	WHISLER	11.0	5.45	2.78		15.1		.5	7		FC 41
	12/28	1048	"					+		Obs.			
	2/19	1115	"					0		Obs.			
	4/1	1355	"					0.3		Est.			
	4/2	1150	"					1.0		Est.			
229	4/15	1615 1620	"	3.0	0.42	0.60		0.25		.5	4		FC 59
230	5/13	1120 1124	"	3.0	0.38	0.68		0.26		.5	4		"
231	5/20	1200 1202	"	3.0	0.30	0.63		0.19		.5	4		"
232	5/27	1040 1046	"	6.0	2.18	1.38		3.0		.5	7		FC 41
233	6/3	0912 0921	"	10.0	4.42	0.77		3.4		.5 .6	11		"
234	6/10	1202 1212	"	10.0	5.18	0.62		3.2		.5	10		"
235	6/17	1217 1223	"	9.0	5.07	0.75		3.8		.5	9		FC 59
236	6/24	1220 1227	BOWMAN	9.5	4.15	0.87		3.6		.5	8		FC 64
237	7/1	1325 1333	"	7.0	3.44	0.82		2.8		.5	8		"
238	7/9	1220 1229	"	6.0	3.87	0.70		2.7		.5	8		"
239	7/15	1235 1243	WHISLER	6.0	1.77	1.53		2.7		.5	7		FC 59
240	7/22	1503 1510	LUYENDYK	5.5	1.41	1.42		2.0		.5 .6	9		FC 51
241	7/29	1250 1258	WHISLER	8.0	3.72	0.91		3.4		.5	8		FC 41
242	8/5	1145 1152	"	7.8	3.73	0.94		3.5		.5	8		"
243	8/11	1254 1302	"	8.0	4.49	0.76		3.4		.5	9		"
244	8/19	1138 1146	"	7.5	3.60	1.08		3.9		.5	8		"
245	8/26	1204 1212	"	7.5	3.47	1.04		3.6		.5	8		"
246	9/2	0910 0915	"	9.5	4.05	0.91		3.7		.5	7		"
247	9/8	1355 1405	"	9.0	3.90	0.82		3.2		.5	10		"
248	9/16	1155 1205	"	8.0	3.69	0.98		3.6		.5	9		"
249	9/23	1335 1345	"	7.5	3.36	1.04		3.5		.5	8		"
250	9/30	1310 1318	"	8.5	4.50	0.71		3.2		.5	9		"

DISCHARGE MEASUREMENTS OF BUENA VISTA CHANNEL F339-S

above Buena Vista Pit DURING THE YEAR ENDING SEPTEMBER 30, 1964

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
31	10/16	1119 / 1125	WOOD	12.0	2.19	3.60	0.20	7.9		.5	10	-0.04	FC34
32	11/20	0740 / 0745	WOOD – CARPENTER	11.6	3.38	8.40	0.22	28.4		.5	9		FC57
	6/20	1250	BROOK					0.05		EST.			
	8/27	1305	"					0.04		"			
	9/3	1150	"					0.02		"			
	9/10	1215	"					+		"			
	9/17	1230	"					+		"			
	9/24	1240	"					0.02		"			

DISCHARGE MEASUREMENTS OF BUENA VISTA CHANNEL F339-S

above Buena Vista Pit DURING THE YEAR ENDING SEPTEMBER 30, 1965

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
	10/1	1255	BROOK					+		Est.			
33	4/1	1103 / 1109	MEAD – BROOK	13.0	5.59	10.1		56.7		.6	9		FC 63
34	4/8	0850 / 0855	BROOK – MEAD	11.9	3.09	6.22	"	19.2		.6	9		"
35	4/8	1339 / 1346	BROOK – MEAD	12.0	5.00	9.22		46.1		.6	9		"

DISCHARGE MEASUREMENTS OF CASTAIC CREEK F140-S

AT Elizabeth Lake Canyon Highway DURING THE YEAR ENDING SEPTEMBER 30, 1964

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
	1/23	0805	WHISLER					0.20		EST.			
62	4/1	1550 / 1555	WHISLER – GAETZ	8.0	2.00	0.95		1.9		.5	5		FC41

DISCHARGE MEASUREMENTS OF CASTAIC CREEK F140-S

AT Elizabeth Lake Canyon Highway DURING THE YEAR ENDING SEPTEMBER 30, 1965

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
	2/17	0927	FABER – WHISLER					0		Obs.			
63	4/3	1020 / 1025	WHISLER – GAETZ	10.5	3.66	1.59		5.8		.5	7		FC 41

DISCHARGE MEASUREMENTS OF COLD CREEK F61-S

above Malibu Creek DURING THE YEAR ENDING SEPTEMBER 30, 1964

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
	10 3	1200	SJOSTEDT					0					
	10 11	1005	"					0					
	10 18	1100	"					0					
	10 24	1610	"					0					
	10 31	1615	"					0					
	11 7	1415	"					0					
	11 14	1435	"					0					
273	11 20	1324 / 1328	PETERSEN	4.0	1.50	0.67		1.0		.5 / .6	5		FC55
	11 21	1540	SJOSTEDT					0					
	11 27	1555	"					0					
	12 5	1530	"					0					
	12 12	1600	"					0					
	12 19	1540	PETERSEN					0					
	12 25	1050	SJOSTEDT					0					
	1 2	0920	"					0					
	1 9	1345	"					0					
	1 16	1515	"					0					
	1 21		SJOSTEDT – PETERSEN					0.20		EST.			

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
274	1/23	1220 / 1225	SJOSTEDT	2.0	0.27	0.19		0.05		.5	5		FC50
	1/30	1600	"					0					
	2/6	1500	"					0					
	2/13	1425	"					0					
	2/20	1130	"					0					
	2/27	1600	"					0					
	3/5	0945	"					0					
	3/12	0935	SJOSTEDT – LUYENDYK					+		EST.			
	3/19	0945	SJOSTEDT					+		"			
275	3/26	1100 / 1105	"	1.5	0.22	0.76		0.16		.5	6		FC50
276	4/2	1545 / 1550	"	4.0	1.06	0.70		0.74		.5	6		"
277	4/9	1440 / 1445	"	1.5	0.22	0.77		0.17		.5	4		"
278	4/16	1040 / 1045	"	1.5	0.30	0.73		0.22		.5	5		"
279	4/23	1100 / 1105	"	2.0	0.35	0.71		0.25		.5	5		"
280	4/30	1540 / 1550	"	1.5	0.24	0.58		0.14		.5	4		"
281	5/8	0940 / 0945	"	2.0	0.28	0.39		0.11		.5	5		"
282	5/14	1550 / 1555	SINGER – SJOSTEDT	1.5	0.23	0.30		0.07		.5	4		"
283	5/21	1600 / 1610	SJOSTEDT	0.9	0.09	0.44		0.04		.5	4		"
284	5/28	0845 / 0850	"	0.9	0.10	0.60		0.06		.5	4		"
	6/4	1500	"					+		EST.			
	6/11	1505	PETERSEN					+		"			
	6/18	1545	"					+		"			
	6/25	0910	SJOSTEDT					+		"			
	7/2	1545	"					+		"			

DISCHARGE MEASUREMENTS OF COLD CREEK F61-S

AT Crater Camp DURING THE YEAR ENDING SEPTEMBER 30, 1965

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
285	4/1	1509 / 1515	PETERSEN – FABER	7.0	2.3	1.44		3.3		.6	6		FC 55
286	4/2	1638 / 1650	FABER – PETERSEN	11.5	5.45	1.91		10.4		.6	9		"
287	4 3	1410 / 1420	PETERSEN – FABER	12.0	15.6	1.73		26.9		.6	9		"
288	4 8	1405 / 1412	"	12.0	12.0	1.77		21.2		.6	9		"
289	4 8	2015 / 2030	FABER – PETERSEN	12.0	10.2	1.45		14.8		.6	13		"
290	4/15	1519 / 1525	PETERSEN	6.8	1.91	1.15		2.2		.6	6		"
291	4/22	1512 / 1519	"	7.5	2.05	0.64		1.3		.6	6		"
292	4/29	1512 / 1518	"	5.0	1.06	1.04		1.1		.6	6		FC 73
293	5/6	1529 / 1539	"	4.7	1.02	0.87		0.89		.6	7		"
294	5/13	1510 / 1519	"	3.0	0.58	1.21		0.70		.6	7		"
295	5/20	1521 / 1528	"	3.2	0.54	0.95		0.51		.6	7		"
296	5 27	1506 / 1514	"	3.0	0.60	0.73		0.44		.6	7		"
297	6 3	1516 / 1524	"	3.2	0.53	0.66		0.35		.6	7		"
298	6 10	1500 / 1510	"	3.0	0.52	0.54		0.28		.6	7		"
299	6/17	1500 / 1508	"	2.9	0.49	0.59		0.29		.6	7		"
300	6/24	1515 / 1527	"	2.9	0.50	0.42		0.21		.6	7		"
301	7 1	1528 / 1534	"	2.2	0.32	0.50		0.16		.6	5		"
302	7/7	1452 / 1456	"	2.0	0.26	0.42		0.11		.6	5		"
303	7/16	1500 / 1505	"	1.9	0.25	0.26		0.07		.6	5		"
304	7 23	1500 / 1504	"	1.6	0.17	0.29		0.05		.6	5		"
305	7/29	1516 / 1521	"	1.2	0.14	0.14		0.02		.6	5		"
306	8/5	1459 / 1502	"	0.5	0.02	0.20		+		.6	4		"
	8/12	1500	"					+		Est.			
	8/19	1525	FABER					+		"			
	8/26	1410	"					0		Obs.			

DISCHARGE MEASUREMENTS OF COYOTE CREEK – NORTH FORK F 349-S

AT Telegraph Road DURING THE YEAR ENDING SEPTEMBER 30, 19 64

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
79	8 6	1415 1427	PETERSEN	5.7	2.76	0.25		0.69		.6	8		FC50
80	8 13	1213 1225	"	5.7	1.49	0.56		0.83		.6	9		FC48
81	8 20	1030 1045	"	6.0	2.34	0.24		0.57		.6	9		"
82	8 27	1200 1215	FALCONE	5.0	1.77	0.68		1.2		.6	8		FC24
83	9 2	1052 1103	FALCONE – MC BRIDE	6.0	1.42	0.54		0.77		.6	9		"
84	9 10	1045 1055	MC BRIDE	6.0	1.44	0.36		0.52		.6	8		FC48
85	9 17	1028 1038	PETERSEN	5.8	1.28	0.45		0.57		.6	9		"
86	9 24	1038 1048	"	5.9	0.96	0.50		0.48		.6	9		"

DISCHARGE MEASUREMENTS OF COYOTE CREEK – NORTH FORK F349-S

AT Telegraph Road DURING THE YEAR ENDING SEPTEMBER 30, 19 65

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
87	10 1	1113 1120	FALCONE – CARPENTER	6.0	1.37	0.49		0.67		.6	9		FC 24
88	10 8	1245 1255	FALCONE	6.0	1.49	0.52		0.77		.6	9		FC 61
89	10 15	1035 1045	"	6.0	2.57	0.32		0.83		.6	9		FC 24
90	10 22	1300 1305	"	6.0	1.85	0.31		0.58		.6	9		"
91	10 29	1320 1330	"	6.0	0.29	1.41		4.1		.6	9		"
92	11 5	1020 1030	"	6.0	1.63	0.30		0.49		.6	9		FC 61
93	11 12	1120 1128	"	6.0	2.18	1.19		2.6		.6	9		FC 24
94	11 19	1045 1100	"	6.0	2.12	1.08		2.3		.6	9		"
95	11 25	1055 1105	"	6.0	1.30	0.62		0.60		.6	8		"
96	12 3	1125 1135	"	6.0	1.69	0.65		1.1		.6	9		"
97	12 10	1055 1105	"	6.0	1.29	0.53		0.68		.6	9		"
98	12 17	1145 1155	"	6.0	1.31	0.53		0.70		.6	9		"
99	12 23	1040 1045	"	3.5	0.90	0.77		0.69		.6	6		"
100	12 30	1300 1305	"	6.0	1.83	0.87		1.6		.6	9		FC 26
101	1 7	1545 1555	FALCONE – TAYLOR	6.0	2.02	0.84		1.7		.6	9		"
102	1 14	1145 1155	FALCONE	2.7	0.51	0.75		0.38		.6	6		FC 24
103	1 21	1030 1040	"	2.8	0.53	0.81		0.43		.6	5		"
104	1 29	1110 1115	"	2.1	0.48	1.04		0.50		.6	5		"
105	2 4	1030 1035	"	2.0	0.43	1.49		0.64		.6	4		"
106	2 11	1130 1135	"	2.9	0.74	0.76		0.56		.6	5		"
107	2 25	1040 1046	FALCONE – LINDSAY	2.9	0.63	1.29		0.81		.6	5		"
108	3 4	1225 1235	FALCONE	2.2	0.38	1.10		0.42		.6	5		"
109	3 11	1250 1255	"	2.7	0.75	0.92		0.69		.6	5		"
110	3 18	1035 1040	"	2.8	0.96	0.74		0.71		.6	5		"
111	3 25	1112 1120	FALCONE – FABER	2.6	0.92	0.53		0.49		.6	5		"
112	4 15	1150 1200	FALCONE	6.0	2.28	0.75		1.7		.6	8		"
113	4 22	1200 1205	"	3.2	1.20	1.25		1.5		.6	5		"
114	4 29	1120 1130	"	5.0	1.11	1.17		1.3		.6	6		"
115	5 6	1345 1353	"	5.2	1.83	1.42		2.6		.6	7		"
116	5 13	1252 1255	"	2.4	0.49	1.33		0.65		.6	5		"
117	5 20	1323 1330	"	2.3	0.52	1.65		0.86		.6	6		FC 61
118	5 27	1352 1357	"	2.3	0.58	1.33		0.77		.6	5		FC 24
119	6 3	1245 1250	"	2.5	0.62	1.16		0.72		.6	5		"
120	6 10	1414 1417	FALCONE	2.3	0.47	1.19		0.56		.6	5		FC50
121	6 17	1510 1515	"	2.2	0.61	1.13		0.69		.6	4		"
122	6 24	1430 1435	"	2.4	0.78	1.17		0.91		.6	5		"
123	7 2	1325 1330	"	2.5	0.77	1.12		0.86		.6	5		"
124	7 8	1350 1355	"	2.4	0.70	1.23		0.86		.6	6		"
125	7 15	1350 1355	"	3.0	1.22	1.80		2.2		.6	6		"
126	7 22	1320 1330	"	2.3	0.83	1.16		0.96		.6	5		FC 48
127	7 29	1625 1630	"	2.9	0.84	1.19		1.0		.6	5		FC 24
128	8 5	1412 1422	"	3.6	1.10	1.64		1.8		.6	8		"
129	8 12	1330 1343	FALCONE – BLAKELY	7.4	5.06	0.87		4.4		.6	8		"
130	8 19	1338 1348	FALCONE	5.9	2.22	0.63		1.4		.6	8		"
131	8 25	1341 1351	FALCONE – SINGER	5.9	1.93	0.57		1.1		.6	8		"
132	9 2	1235 1245	FALCONE	5.5	1.24	0.51		0.63		.5 .6	7		"
133	9 8	1332 1340	"	5.9	1.67	0.49		0.82		.6	8		"
134	9 16	1540 1550	"	3.2	0.94	0.92		0.86		.6	5		"
135	9 23	1340 1348	"	3.2	0.88	1.08		0.95		.6	5		"
136	9 30	1500 1508	"	2.3	0.61	0.82		0.50		.6	5		"

DISCHARGE MEASUREMENTS OF DEVIL'S PUNCH BOWL CREEK F178-S

above Big Rock Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 64

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
	11 7	1140	WHISLER					0.05		EST.			
113	11 26	1030 1035	FALCONE	1.7	0.20	0.70		0.14		.5	5		FC59
114	12 4	1216 1218	WHISLER	1.8	0.14	0.43		0.06		.5	4		"
	12 11	1110	"					0.1		EST.			"
115	12 19	1018 1020	"	2.5	0.21	0.24		0.05		.5	4		FC59
	1 2	1150	"					+		EST.			
	1 8	1130	"					0.04		EST.			
	1 15	1100	"					0.03		EST.			
116	1 29	1059 1102	"	2.3	0.28	1.00		0.28		.5	5		FC59
117	2 5	1125 1127	"	1.8	0.10	0.90		0.09		.5	4		"
118	2 11	1024 1026	"	1.5	0.10	0.50		0.05		.5	4		"
119	2 19	1128 1129	"	1.2	0.08	0.75		0.06		.5	4		"
	2 26	1100	"					0.04		EST.			
120	3 4	1110 1112	"	1.0	0.05	0.40		0.02		.5	4		FC59
	3 11	1122	"					0.02		EST.			
121	3 25	1135 1138	LUYENDYK – WHISLER	1.8	0.14	1.36		0.19		.5	4		FC59
122	4 2	0850 0855	WHISLER	9.0	1.25	1.68		2.1		.5	7		"
123	4 8	1135 1137	"	4.0	0.34	0.79		0.27		.5	5		"
124	4 23	0924 0926	"	2.5	0.30	0.67		0.20		.5	4		"
125	4 29	1115 1117	"	2.2	0.36	1.67		0.60		.5	5		"
126	5 6	1200 1204	"	2.5	0.34	1.35		0.46		.5	5		"
127	5 20	1235 1238	"	1.8	0.13	0.85		0.11		.5	4		"
128	5 27	1144 1146	"	1.4	0.07	0.57		0.04		.5	3		"
	6 3	1025	"					0.05		EST.			
	6 10	1032	"					0.02		EST.			
	6 17	1110	"					0					

DISCHARGE MEASUREMENTS OF DEVIL'S PUNCH BOWL CREEK F178-S

above Big Rock Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 65

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
	12/2	1230	WHISLER					0.01		Est.			
	12/9	1016	"					+		Obs.			
	12-22	1035	"					0		"			
	12-29	1125	"					0.15		Est.			
	1/6	1045	"					0.10		"			
	1/13	1210	"					0.02		"			
	1/20	1042	"					+		Obs.			
	1/27	1119	"					+		"			
	2/17	1038	FABER – WHISLER					0		"			
129	4/7	0900 0912	WHISLER	4.0	0.36	1.42		0.51		.5	5		FC 59
130	4/21	1121 1126	"	8.0	1.94	1.44		2.8		.5	5		FC 41
131	4/28	1138 1145	"	8.0	2.01	1.54		3.1		.5	9		FC 59
132	5/5	1148 1150	"	7.0	1.31	1.15		1.5		.5	5		"
133	5/26	1022 1024	"	3.0	0.36	1.00		0.36		.5	4		FC 41
134	6/2	1052 1054	"	3.0	0.32	0.81		0.26		.5	4		FC 59
135	6/9	1058 1100	"	3.0	0.22	0.91		0.20		.5	4		"

DISCHARGE MEASUREMENTS OF ELIZABETH LAKE CREEK F141B-S

2.4 miles above Castaic Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 64

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
406	11/21	1150 1155	FALCONE	4.80	0.74	1.16		0.86		.5	6		FC59
	1/3	1420	WHISLER				2.61	0.1		EST			
407	1/9	0810 0812	"	4.0	0.41	0.54	2.61	0.22		.5	5	0	FC59
408	1/6	1200 1206	"	4.0	0.34	0.62	2.68	0.21		.5	5	0	"
409	1/23	0825 0833	"	13.0	4.74	1.12	2.82	5.3		.5	8	0	"
410	1/30	1030 1036	"	5.0	0.86	1.28		1.1		.5	6	0	"
411	2/6	0900 0906	"	6.5	1.22	0.67	2.76	0.82		.5	7	0	"
412	2/13	0925 0930	"	6.5	1.27	0.65	2.70	0.83		.5	7		"
413	2/20	1417 1423	"	6.5	1.16	0.67		0.78		.5	7	0	"
414	2/27	1058 1103	"	7.0	1.58	0.76	2.70	1.2		.5	6		"
415	3/5	0805 0812	"	7.0	1.60	0.70	2.70	1.2		.5	8		"
416	3/12	1140 1146	"	7.0	1.41	0.71		1.0		.5	7	0	"
417	3/19	1157 1202	"	6.0	1.07	0.74	2.69	0.79		.5	7		"
418	3/26	1018 1030	LUYENDYK – WHISLER	7.8	2.09	0.95	2.71	2.0		.5	9		"
419	4/1	1530 1534	WHISLER – GAETZ	11.0	4.00	1.18	2.91	4.7		.5	6		FC41
420	4/9	1000 1005	WHISLER	7.0	2.02	1.09	2.72	2.2		.5	8		FC59
421	4/16	1038 1042	"	6.0	1.10	1.00	2.71	1.1		.5	7	0	"
422	4/22	1124 1130	"	7.0	1.61	0.75	2.71	1.2		.5	6	0	"
423	4/30	1218 1222	"	7.0	1.58	0.82	2.72	1.3		.5	6		"
424	5/7	0913 0922	LUYENDYK – WHISLER	10.0	2.77	0.82	2.77	2.3		.5	7	0	"
425	5/14	0934 0938	WHISLER	6.0	1.20	0.72	2.70	0.86		.5	6	0	"
426	5/21	1425 1430	"	6.0	1.46	0.44	2.70	0.64		.5	7		"
427	5/28	0945 0948	"	4.0	0.60	0.37	2.70	0.22		.5	5		"
	6/4	0805	"					0					

DISCHARGE MEASUREMENTS OF DOMINGUEZ CHANNEL F35I-S

AT Redondo Beach Blvd. DURING THE YEAR ENDING SEPTEMBER 30, 19 65

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1	4/3	1055 1110	SETTLE – SJOSTEDT	78.5	229.	7.20		1650		.6	12		FC 29

DISCHARGE MEASUREMENTS OF ELIZABETH LAKE CREEK F141B-S

2.4 miles above Castaic Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 65

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
428	2/19	0940 0950	FABER – WHISLER	4.8	0.71	0.30		0.21		.5	6		FC 59
429	2/25	0956 1002	WHISLER	4.5	0.48	0.62		0.30		.5	6		"
430	3/4	1205 1208	"	3.0	0.40	0.40		0.16		.5	4		FC 41
431	3/11	1128 1132	"	4.0	0.40	0.52		0.21		.5	5		FC 59
432	3/19	1002 1006	"	4.0	0.48	0.52		0.25		.5	5		"
	3/25	1120	"					0.15		Est.			
433	4/3	1000 1005	WHISLER – GAETZ	16.0	5.51	1.50		9.8		.5	8		FC 41
434	4/15	0957 1005	WHISLER	15.5	7.83	1.44		11.3		.5 .6	9		"
435	4/22	1044 1052	"	12.0	4.22	1.07		4.5		.5	7		FC 59
436	4/29	1113 1118	"	11.0	2.43	0.74		1.8		.5	7		"
437	5/6	1058 1104	"	5.0	0.58	0.59		0.34		.5	6		"
438	5/13	0946 0950	"	4.0	0.46	0.70		0.32		.5	5		"
439	5/20	1100 1102	"	3.0	0.26	0.58		0.15		.5	4		"
	5/27	1305	"					0.15		Est.			
440	6/3	1255 1300	"	2.5	0.22	0.55		0.12		.5	4		FC 59
	6/10	0932	"					0.10		Est.			
	6/17	0840	"					0.10		"			
441	6/24	1010 1015	BOWMAN	1.0	0.08	0.38		0.03		.5	5		FC 70
	7/1	1100	"					0		Est.			

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER F39B-S

AT Del Amo Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 64

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
73	10/2	1430 1440	BONADIMAN	23.3	9.70	1.05	1.27	10.2		.6	10	0	FC19
74	10/9	1225 1240	"	23.4	10.5	1.11	1.25	11.5		.6	9	0	FC61
75	10/9	1410 1420	"	23.6	9.08	0.99	1.26	9.01		.6	8	0	FC19
76	10/23	1025 1040	"	22.7	8.12	1.22	1.17	10.0		.6	9		FC46
77	10/30	1215 1230	"	22.3	6.27	1.82	1.10	11.4		.6	10	0	FC61
78	12/19	1247 1300	"	22.4	7.10	1.49	0.74	10.6		.6	10		"
79	7/30	1410 1420	"	22.8	9.54	1.15		11.0		.6	8		"
80	9/25	1305 1320	SJOSTEDT	22.2	7.65	1.15		8.8		.5	9		FC65

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER F39C-S

below Del Amo Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 64

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
55	10/2	1500 1510	BONADIMAN	CHANNEL S			1.27	7.7		.6	14	0	FC19 FC61
56	10/9	1250 1320	"	"				6.96		.6	18	0	FC61
57	10/9	1350 1400	"	"				5.82		.6	7	0	FC19
58	10/23	1050 1105	"	"			1.17	8.2		.6	16	0	FC46 FC61
59	10/23	1430 1440	"	24.5	13.7	0.45	1.16	6.1		.6	10	0	FC61
60	10/30	1245 1300	"	12.0	5.98	1.23	1.10	7.36		.6	10	0	"
61	12/19	1305 1315	"	22.5	6.46	0.73	0.24	4.7		.6	10	0	"
62	7/30	1425 1435	"	21.2	6.46	1.41		9.1		.6	8	0	"
63	9/25	1325 1335	SJOSTEDT	21.0	3.91	1.02		4.0		.5	8		FC50

DISCHARGE MEASUREMENTS OF MILL CREEK F112-S

above Big Tujunga Creek DURING THE YEAR ENDING SEPTEMBER 30, 1964

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
931	10/17	1150 / 1154	HYDE	0.8	0.06	0.67	1.33	0.04		.5	4	0	FC60
932	11/7	1050 / 1054	"	1.2	0.11	0.23	1.41	0.08		.5	4	0	"
933	11/29	1225 / 1231	"	2.0	0.16	0.62		0.10		.5	5		"
934	12/5	1025 / 1031	"	1.1	0.14	1.14		0.16		.5	5		"
935	12/12	1128 / 1132	"	1.2	0.16	1.25		0.20		.5	4		"
936	12/19	1120 / 1125	"	1.2	0.16	1.25		0.20		.5	4		"
937	12/26	0948 / 0952	"	1.1	0.11	1.36		0.15		.5	4		"
938	1/2	1500 / 1504	"	1.1	0.10	1.00		0.10		.5	4		"
939	1/9	1038 / 1042	"	1.3	0.14	1.21		0.17		.5	5		"
940	1/16	1250 / 1254	"	1.2	0.12	1.08		0.13		.5	5		"
941	1/23	1300 / 1306	"	3.7	0.85	0.72	1.56	0.61		.6	5		FC58
942	1/30	1044 / 1050	"	2.2	0.29	0.79		0.23		.5	5		FC60
943	2/5	1410 / 1414	"	1.9	0.39	0.87		0.34		.5	5		"
944	2/13	1400 / 1406	"	1.6	0.28	0.93		0.26		.5	6		"
945	2/20	1315 / 1321	"	1.8	0.25	1.16	1.44	0.29		.5	6	0	"
946	2/27	1355 / 1402	"	1.6	0.21	1.38	1.46	0.29		.5	5	0	"
947	3/5	1400 / 1406	"	1.7	0.22	1.49	1.45	0.31		.5	6	0	"
948	3/11	1252 / 1258	"	1.7	0.23	1.17	1.44	0.27		.5	5	0	"
949	3/19	1325 / 1331	"	1.5	0.24	1.42	1.43	0.34		.5	5	0	"
950	3/26	1400 / 1406	"	1.6	0.42	1.17	1.50	0.49		.5	5	0	"
951	4/2	1405 / 1410	"	2.5	0.57	1.02	1.55	0.58		.5	6	0	FC40
952	4/9	1540 / 1545	"	2.5	0.48	0.79	1.52	0.38		.5	6		"
953	4/16	1258 / 1306	HYDE – LUYENDYK	2.5	0.34	0.85	1.45	0.29		.5	6	0	FC60
954	4/23	1230 / 1240	MEAD – HYDE	2.5	0.34	0.88	1.48	0.30		.5	6		"
955	4/30	1405 / 1410	HYDE	2.5	0.39	0.97	1.48	0.38		.5	6	0	"
956	5/7	1245 / 1251	"	2.5	0.49	0.84	1.49	0.41		.5	6	0	FC58
957	5/14	1100 / 1108	"	2.5	0.35	0.86	1.45	0.30		.5	6	0	FC60
958	5/21	1245 / 1250	"	2.5	0.26	0.58	1.40	0.15		.5	6	0	"
959	5/28	1415 / 1421	"	2.5	0.26	0.54	1.41	0.14		.5	6	0	"
960	6/4	1448 / 1454	"	2.2	0.18	0.44	1.38	0.08		.5	5		"
961	6/25	1002 / 1006	HYDE – LINDSAY	2.6	0.28	0.21		0.06		.6	6		"

DISCHARGE MEASUREMENTS OF MILL CREEK F112-S

above Big Tujunga Creek DURING THE YEAR ENDING SEPTEMBER 30, 1965

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
	11/12	1000	HYDE					0.10		Est.			
962	1/7	1110 / 1116	"	2.6	0.60	0.50		0.30		.6	5		FC 40
963	1/14	1130 / 1135	"	2.3	0.29	0.76		0.22		.6	6		FC 60
964	1/21	1308 / 1312	"	2.3	0.25	0.68		0.17		.6	4		FC 40
965	1/28	1400 / 1404	"	2.2	0.29	0.72		0.21		.6	5		"
966	2/4	1430 / 1434	"	2.3	0.26	0.23		0.19		.6	5		"
967	2/11	1310 / 1314	"	2.3	0.33	0.67		0.22		.6	6		"
968	2/19	1300 / 1305	"	2.3	0.31	0.74		0.23		.6	5		"
969	2/25	1310 / 1315	"	2.3	0.33	0.61		0.20		.6	6		"
970	3/4	1418 / 1422	"	2.3	0.32	0.59		0.19		.6	6		"
971	3/11	1225 / 1230	"	1.6	0.21	1.05		0.22		.6	4		"
972	3/18	1410 / 1416	"	1.5	0.24	0.96		0.23		.6	4		"
973	3/25	1135 / 1141	"	2.2	0.29	0.83		0.24		.6	5		"
974	4/1	1412 / 1416	"	3.0	1.05	1.24		1.3		.6	5		"
975	4/8	1042 / 1046	"	3.0	0.95	1.16		1.1		.6	5		"
976	4/14	1300 / 1304	"	2.7	0.75	0.94		0.70		.6	6		"
977	4/22	1455 / 1505	"	2.5	0.50	0.76		0.38		.6	6		"
978	4/29	1140 / 1146	"	2.3	0.43	0.60		0.26		.6	6		"
979	5/6	1340 / 1346	"	1.6	0.26	1.08		0.28		.6	4		"
980	5/12	1628 / 1632	MC BRIDE	1.4	0.35	0.94		0.33		.5	4		FC 33
981	5/20	1305 / 1309	HYDE	1.4	0.34	0.38		0.13		.6	4		FC 40

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
982	5/27	1115 / 1120	HYDE	1.3	0.33	0.48		0.16		.6	4		FC40
983	6/3	1245 / 1251	"	2.4	0.57	0.49		0.28		.6	6		"
984	6/10	1144 / 1148	"	2.4	0.47	0.40		0.19		.6	6		"
985	6/17	1240 / 1244	"	2.4	0.51	0.55		0.28		.5	6		"
986	6/24	1122 / 1128	"	1.3	0.39	0.44		0.17		.6	4		"

DISCHARGE MEASUREMENTS OF PACOIMA CREEK F196-S

NEAR Maclay Street DURING THE YEAR ENDING SEPTEMBER 30, 1964

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
104	5/27	1555 / 1610	HYDE	10.5	3.48	2.70		9.4		.6	11		FC58
105	6/3	1500 / 1515	HYDE – VERNER	9.8	4.38	2.17		9.5		.6	12		"
106	6/10	0954 / 1010	HYDE	11.0	5.02	2.15		10.8		.6	12		"
	7/22	0845	FALCONE					+		EST.			

DISCHARGE MEASUREMENTS OF SAN DIMAS CREEK F101-S

AT Toe of San Dimas Dam DURING THE YEAR ENDING SEPTEMBER 30, 1964

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
101	5/19	0835 / 0845	SARASUA – MC CARTY	4.2	1.44	1.46	0.33	2.1		.5	10	0	FC52
102	5/20	1200 / 1210	SARASUA	4.5	1.69	1.42	0.33	2.4		.5	10	0	FC49
103	5/27	1235 / 1245	"	4.3	1.71	1.34	0.33	2.3		.5	10	0	"
104	6/3	1445 / 1455	"	4.3	1.70	1.29	0.32	2.2		.5	11	0	"
105	6/10	1510 / 1515	"	4.5	1.80	1.34	0.32	2.4		.5	10	0	"
106	6/25	1100 / 1115	"	4.4	1.75	1.31	0.31	2.3		.5	10	0	"

DISCHARGE MEASUREMENTS OF SAND ROCK CREEK F289-S

AT Valyermo Highway DURING THE YEAR ENDING SEPTEMBER 30, 1964

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
	10/2	1250	WHISLER					+		EST.			
	10/9	1318	"					+		"			
	10/30	1255	"					+		"			
	11/13	1045	FALCONE					+		"			
	12/4	1255	WHISLER					0.02		"			
	12/11	1135	"					0.01		"			
	12/19	1115	"					0.02		"			
	1/2	1210	"					0.01		"			
	1/8	1220	"					0.02		"			
	1/15	1140	"					0.02		"			
	1/22	1312	"					1.2		"			
	1/29	1145	"					0.03		"			
	2/5	1252	"					0.02		"			
	2/11	1115	"					0.01		"			
	2/19	1200	"					0.02		"			
	2/26	1225	"					0.01		"			
	3/4	1105	"					0.02		"			
	3/11	1247	"					0.02		"			
	3/18	1230	"					0.01		"			
	3/25	1250	"					0.02		"			
	4/2	0955	"					0.02		"			
	4/8	1218	"					0.02		"			
	4/15	1103	"					0.01		"			
	4/23	1030	"					0.01		"			
	4/29	1230	"					0.01		"			
	5/6	1320	"					0.01		"			
	5/20	1135	"					0.01		"			
	5/27	1235	"					+		"			
	6/3	1107	"					+		"			
	6/10	1110	"					+		"			
	6/17	1225	"					0					

DISCHARGE MEASUREMENTS OF SAND ROCK CREEK F289-S

AT Valyermo Highway DURING THE YEAR ENDING SEPTEMBER 30, 1965

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
	12/2	1330	WHISLER					+		Est.			
	12/9	1112	"					+		Obs.			
	12/16	1050	"					+		"			
	12/29	1225	"					+		"			
	1/6	1135	"					+		"			
	1/13	1255	"					+		"			
	1/20	1145	"					+		"			
	1/27	1205	"					+		"			
	2/3	1226	"					+		"			
	2/10	1345	"					+		"			
	2/17	1246	WHISLER – FABER					+		"			
	2/24	1440	WHISLER					+		"			
	3/10	1255	"					+		"			
	3/17	1153	"					+		"			
	3/24	1115	"					+		"			
	4/7	1003	"					0.01		Est.			
	4/14	1205	"					0.01		"			
	4/21	1240	"					0.02		"			
	4/28	1300	"					0.02		"			
	5/5	1300	"					0.01		"			
	5/12	1230	"					0.01		"			
	5/19	1200	"					0.01		"			
	5/26	1130	"					0.01		"			
	6/2	1200	WHISLER					0.02		Est.			
	6/9	1155	"					0.02		"			
	6/16	1050	"					0.02		"			
312	6/23	1258 / 1302	BOWMAN	1.7	0.23	0.22		0.05		.5	5		FC 70
313	6/30	1240 / 1244	"	1.2	0.14	0.43		0.06		.5	4		"
314	7/8	1215 / 1219	"	1.1	0.16	0.37		0.06		.5	5		"
	8/4	1230	"					0.03		Est.			
315	8/11	1154 / 1156	"	2.0	0.15	0.27		0.04		.5	5		FC 59
	8/18	1102	"					0.04		Est.			
	9/1	1120	"					0.02		"			

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER F208-S

above M.W.D. Aqueduct DURING THE YEAR ENDING SEPTEMBER 30, 1964

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
95	10/3	1503 / 1509	WOOD	1.5	0.47	0.98		0.46		.5	7		FC53
96	10/9	1505 / 1512	"	1.5	0.51	0.92		0.47		.5	7		"
97	10/17	0930 / 0936	"	1.5	0.69	1.24		0.86		.5	7		"
98	10/24	0915 / 0920	FALCONE	1.4	0.69	1.13		0.78		.5	6		FC24
99	10/31	1455 / 1503	WOOD	1.5	0.61	1.24		1.0		.5	7		FC53
100	11/14	1520 / 1527	"	1.5	0.78	1.18		0.92		.5	7		"
101	12/12	1512 / 1518	"	1.5	0.72	1.14		0.82		.5	7		"
102	12/19	1430 / 1435	"	1.5	0.70	1.22		0.86		.5	7		"
103	1/3	0945 / 0951	"	1.5	0.72	1.30		0.94		.5	7		"
104	1/27	0930 / 0943	DE VORE	3.6	1.25	1.04		1.3		.6	11		FC52
105	2/6	1520 / 1526	WOOD	1.5	0.69	1.24		0.85		.5	7		FC53
106	2/20	1510 / 1514	"	1.5	0.25	0.60		0.15		.5	6		"
107	3/26	1530	"	VOLUMETRIC				0.82					
108	4/9	1605	"	"				0.86					
109	4/16	1515	"	"				1.0					
110	6/24	1503 / 1540	"	CHANNELS				1.7		.5 VOL	17		FC53
	8/7	0915	BROOK					1.0		EST			
	8/13	1605	"					1.0		"			
111	8/17	1015 / 1022	"	2.6	0.54	0.80		0.43		.5	7		FC35
	8/20	1540	"					0.50		EST			

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
112	8/24	1024 / 1033	BROOK	2.7	0.79	1.27		1.0		.5 / .6	7		FC57
113	8/27	1540 / 1545	"	3.3	1.91	1.05		2.0		.5	7		"
114	9/3	1455 / 1506	"	3.0	1.40	1.00		1.4		.5 / .6	7		FC35
115	9/10	1435 / 1443	"	3.5	1.66	1.14		1.9		.5 / .6	7		"
116	9/17	1508 / 1515	"	3.2	1.20	0.78		0.94		.5 / .6	7		"
117	9/24	1447 / 1454	"	3.6	1.68	1.07		1.8		.5 / .6	7	0	FC63

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER F208-S

above M.W.D. Aqueduct DURING THE YEAR ENDING SEPTEMBER 30, 1965

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
142	4/22	0927 / 0933	BROOK	3.4	0.89	1.12		1.0		.6	7		FC 63
143	4/29	0904 / 0909	"	2.7	0.76	1.58		1.2		.6	6		"
144	5/6	0946 / 0954	"	3.0	0.69	1.36		0.94		.6	7		"
145	5/13	0914 / 0922	"	3.3	1.12	1.25		1.4		.6	8		"
146	5/20	0920 / 0926	"	3.5	1.13	1.15		1.3		.6	8		"
147	5/27	0912 / 0920	"	3.5	0.94	1.02		0.96		.6	8		"
148	6/3	1331 / 1338	MEAD	2.5	0.44	1.52		0.67		.6	6		"
149	6/24	1236 / 1244	BROOK	3.1	0.87	1.03		0.90		.6	7		"
150	6/30	1450 / 1456	"	3.2	1.04	1.35		1.4		.6	7		"
151	7/8	1400 / 1406	"	3.1	1.06	1.32		1.4		.6	7		"
152	7/15	1435 / 1441	"	3.1	1.03	1.16		1.2		.6	7		"
153	7/22	1538 / 1544	"	2.8	0.81	1.73		1.4		.6	6		"
154	7/29	1328 / 1335	MC BRIDE	2.5	0.88	1.36		1.2		.5	6		"
155	8/5	1110 / 1118	"	2.5	0.67	1.79		1.2		.5	6		"
156	8/12	1534 / 1540	BROOK	2.8	0.78	1.79		1.4		.6	6		"
157	8/19	1528 / 1534	"	3.0	0.85	1.53		1.3		.6	6		FC 35
158	8/26	1328 / 1334	"	3.0	1.00	1.50		1.5		.6	7		"
159	9/2	1448 / 1456	"	3.5	1.48	1.89		2.8		.6	7		"
160	9/8	1512 / 1520	"	3.0	1.11	0.26		0.29		.6	7		"
161	9/16	1454 / 1504	"	3.5	1.68	0.94		1.5		.6	8		FC 63
162	9/23	1456 / 1504	"	3.2	1.16	1.03		1.2		.6	7		"
163	9/30	1440 / 1448	"	3.1	1.14	0.88		1.0		.6	8		"
118	10/1	1531 / 1537	"	3.3	1.17	0.84		0.98		.5 / .6	7		"
119	10/8	1508 / 1516	"	3.6	1.55	1.16		1.8		.5	7		"
120	10/15	1412 / 1418	"	3.6	1.24	0.89		1.1		.5	7		"
121	11/12	0802 / 0807	"	2.5	0.77	0.22		0.17		.5	6		"
122	11/19	0809 / 0815	"	2.7	0.84	0.17		0.14		.5	6		"
123	11/25	0846 / 0850	"	2.6	0.82	0.17		0.14		.5	6		"
124	12/3	1456 / 1504	"	3.5	1.47	0.68		1.0		.5	8		"
125	12/10	1526 / 1532	"	3.5	1.47	0.68		1.0		.5 / .6	8		"
126	12/23	1248 / 1258	MEAD – MC BRIDE	3.5	1.48	0.74		1.1		.5 / .6	6		FC 74
127	12/31	1428 / 1434	BROOK	3.2	1.36	0.73		0.99		.5 / .6	7		FC 63
128	1/7	1414 / 1419	BROOK – MEAD	3.5	1.43	0.77		1.1		.5 / .6	8		"
129	1/14	1506 / 1512	BROOK	3.5	1.37	1.17		1.6		.5 / .6	6		"
130	1/21	1140 / 1147	FABER – BROOK	2.8	0.83	1.81		1.5		.5	6		"
131	1/28	1158 / 1205	SINGER – BROOK	3.1	0.78	2.18		1.7		.5	7		"
132	2/4	0930 / 0934	BROOK	1.1	0.18	0.61		0.11		.5 / .6	4		"
133	2/11	0820 / 0830	CARPENTER – BROOK	3.7	1.07	1.12		1.2		.5	8		"
134	2/18	1306 / 1314	BROOK	3.8	1.19	1.01		1.2		.5	8		"
135	2/25	0806 / 0817	LUYENDYK – BROOK	3.8	1.13	0.89		1.0		.5	8		"
136	3/4	0806 / 0814	BROOK	3.5	1.07	1.03		1.1		.5 / .6	8		"
137	3/11	0820 / 0826	"	3.5	1.26	0.95		1.2		.5	8		"
138	3/18	0925 / 0933	"	3.5	1.24	0.97		1.2		.5	8		"
139	3/25	0814 / 0824	BROOK – LINDSAY	3.7	1.26	0.87		1.1		.5	8		"
140	4/2	1125 / 1132	BROOK	6.2	3.06	0.75		2.3		.6	8		"
141	4/15	1006 / 1010	"	2.7	1.05	1.33		1.4		.6	6		"

DISCHARGE MEASUREMENTS OF SAN GABRIEL – MAIN SPREADING CANAL F100-S

AT Mouth of San Gabriel Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1964

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
255	10 3	1553 1608	WOOD	14.0	12.2	1.54	1.82	18.8		.5 .6	12	0	FC57
256	10 9	1550 1605	"	14.5	12.6	1.52	1.72	19.1		.5 .6	16	0	"
257	10 17	1035 1050	"	14.3	14.7	1.65	1.78	24.3		.5 .6	16	0	FC34
258	10 24	1015 1025	FALCONE	11.6	19.5	1.27	1.66	24.7		.6	9	0	FC24
259	10 31	1550 1603	WOOD	12.2	6.53	0.72		4.7		.5 .6	13	0	FC57
260	11 7	1243 1257	"	13.5	9.13	1.02		9.3		.5 .6	15		FC53
261	11 14	1553 1606	"	13.0	7.86	0.85		6.7		.5 .6	14		"
262	12 12	1548 1558	"	8.4	7.23	1.00		7.3		.6	11	0	"
263	12 19	1526 1539	"	11.5	6.29	1.59	0.96	10.0		.6	13	0	"
264	12 27	1122 1135	"	11.6	5.95	1.31	0.92	7.9		.5 .6	14	0	"
265	1 30	1545 1600	"	14.0	12.0	2.18	1.46	26.2		.6	16	0	FC57
266	2 6	1558 1608	"	14.5	12.7	2.06	1.42	26.1		.6	12	0	"
267	2 20	1608 1618	"	12.9	8.06	1.70	1.12	13.7		.5 .6	11	0	"
268	2 27	1235 1247	"	12.9	7.78	1.36	1.02	10.6		.5 .6	12	0	"
269	3 5	1525 1542	"	12.7	6.52	1.12	0.98	7.3		.5 .6	15	0	"
270	3 12	1420 1432	"	12.8	6.67	1.12	1.08	7.4		.5 .6	12	0	FC53
271	3 19	1530 1545	"	13.0	7.26	1.49	1.04	10.8		.6	14		FC57
272	3 26	1600 1612	"	12.7	7.41	1.36		10.1		.5 .6	14		FC53
273	4 16	1615 1627	"	13.2	11.4	2.13	1.50	24.3		.5 .6	12	0	FC57
274	4 23	1533 1548	"	14.0	11.4	1.98	1.48	22.7		.5 .6	15	0	"
275	4 30	1423 1436	"	13.9	11.6	1.98	1.54	22.9		.5 .6	15	0	"
276	5 7	1614 1625	"	13.1	11.2	1.95	1.54	21.8		.5 .6	12	0	"
277	5 13	1603 1618	"	13.3	11.4	1.75	1.66	20.1		.6	15	0	"
278	5 21	1538 1557	FALCONE – WOOD	13.3	8.03	0.83		6.7		.5 .6	16	0	FC53
279	5 28	0945 1015	FALCONE	13.4	9.17	1.07		9.8		.5 .6	19		"
280	6/4	1606 1621	LUYENDYK – WOOD	13.4	8.85	1.30		11.4		.5	12	0	"
281	6/11	1557 1610	WOOD	13.0	5.73	0.91		5.2		.5	14		"
282	6/18	1555 1610	"	12.9	5.50	1.09		6.0		.5 .6	15		"
283	6/24	1557 1612	"	13.1	5.52	1.00	0.82	5.5		.5	15	0	"
284	7/9	1544 1559	"	13.5	8.03	1.44	1.58	11.6		.5 .6	15	0	FC57
285	7/16	1600 1615	"	14.0	14.8	0.84		12.4		.6	15		FC53
286	7/23	1547 1602	"	13.0	11.9	1.10		13.0		.6	14		FC57
287	8/6	1615 1626	BROOK	14.1	12.7	1.02	1.50	13.0		.6	12		FC35
288	8/13	1618 1634	"	14.0	9.69	1.23	1.50	12.1		.5 .6	15		"
289	8/20	1600 1610	"	13.6	9.25	1.31	1.66	12.1		.5 .6	14		"
290	8/27	1612 1625	"	14.0	11.3	1.15	1.54	13.0		.5 .6	14		FC57
291	9/3	1544 1600	"	14.0	13.2	1.30	1.65	17.1		.5 .6	15		FC35
292	9/10	1517 1533	"	14.0	12.2	1.34	1.81	16.3		.5 .6	15		"
293	9/17	1548 1606	"	14.0	13.2	1.23	1.82	16.3		.5 .6	15		"
294	9/24	1602 1616	"	14.6	13.1	1.14	1.92	14.9		.5 .6	15		FC63

DISCHARGE MEASUREMENTS OF SAN GABRIEL – MAIN SPREADING CANAL F100-S

AT Mouth of San Gabriel Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1965

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
295	10/1	1620 1631	BROOK	15.0	13.5	1.19		16.1		.5 .6	11		FC 63
296	10/8	1610 1620	"	14.4	13.3	1.31		17.4		.5 .6	12		"
297	10/15	1550 1601	"	15.0	13.6	1.20		16.3		.5 .6	11		"
298	10/22	1100 1108	"	13.2	8.82	1.19		10.5		.5 .6	11		"
299	10/29	0853 0903	"	10.0	4.45	0.81		3.6		.5 .6	12		"
300	11/5	0955 1004	"	10.0	3.91	0.72		2.8		.5 .6	12		"
301	11/12	0925 0936	"	10.6	5.44	0.94	1.24	5.1		.5 .6	12		"
302	11/19	0839 0848	"	10.2	4.73	0.87		4.1		.5 .6	13		"
303	12/3	1526 1538	"	11.0	4.95	0.71		3.5		.5 .6	14		"
304	12/10	1549 1557	"	11.0	5.06	0.69		3.5		.5	9		"
305	12/18	1028 1040	MC BRIDE	11.0	5.06	0.65		3.3		.6	10		FC 33
306	12/23	1218 1228	MC BRIDE – MEAD	11.0	5.16	0.60		3.1		.6	9		FC 63
307	12/31	1505 1513	BROOK	10.8	11.5	1.78		20.5		.5 .6	8		"
308	1/7	1433 1442	MEAD – BROOK	11.1	10.7	1.70		18.2		.6	10		"
309	1/14	1535 1546	BROOK	11.0	10.7	1.65		17.7		.5 .6	10		"
310	2/18	1332 1335	"	1.2	0.24	0.71		0.17		.5	5		"
311	4/9	1452 1501	MEAD – BROOK	11.2	11.2	1.72		19.3		.6	10		"
312	4/15	1028 1040	BROOK	11.1	14.6	2.10		30.7		.6	11		"
313	4/22	1010 1020	"	11.3	15.1	2.05		30.9		.6	11		"
314	4/29	0948 1000	"	11.2	14.2	2.12		30.1		.6	11		"
315	5/6	1035 1045	"	11.2	15.1	2.19		33.0		.6	10		"
316	5/13	1000 1012	"	11.2	15.3	2.17		33.2		.6	11		"
317	5/20	1025 1037	"	11.2	15.0	2.15		32.3		.6	12		"
318	5/27	0956 1007	"	11.2	14.9	2.05		30.6		.6	12		"
319	6/3	1403 1414	MEAD	11.3	14.9	1.95		29.0		.6	9		"
320	6/8	1152 1202	BROOK	11.0	4.24	0.47		2.0		.6	11		"
321	6/24	1326 1338	"	11.4	16.2	2.16		35.0		.6	11		"
322	6/30	1536 1550	"	11.2	16.0	2.21		35.4		.6	11		"
323	7/8	1518 1530	"	11.2	13.3	1.79		23.8		.6	10		"
324	7/15	1516 1526	"	11.2	13.5	1.81		24.4		.6	10		"
325	7/22	1604 1614	"	11.2	13.9	1.68		23.4		.6	10		"
326	7/29	1424 1437	MC BRIDE	11.0	14.7	1.92		28.2		.6	9		"
327	8/5	1208 1218	"	11.0	14.8	1.82		27.0		.6	9		"
328	8/12	1438 1448	BROOK	11.2	16.4	1.54		26.8		.6	10		"
329	8/19	1436 1448	"	11.2	16.2	1.56		25.2		.6	10		FC 35
330	8/26	1454 1504	"	11.2	15.4	1.65		25.4		.6	10		"
331	9/2	1550 1602	"	11.2	15.5	1.61		25.0		.6	10		"
332	9/8	1556 1606	"	11.2	15.7	1.59		25.0		.6	10		"
333	9/16	1556 1605	"	11.2	15.9	1.88		29.9		.6	10		FC 63
334	9/23	1540 1550	"	11.2	15.8	1.85		29.2		.6	10		"
335	9/30	1556 1608	"	11.2	17.5	2.11		36.9		.6	10		"

DISCHARGE MEASUREMENTS OF SAN JOSE CREEK F306-S

AT Nogales Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 64

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
155	10/3	1110 / 1120	SARASUA	8.0	3.13	1.12	0.17	3.5		.5	9	0	FC49
156	10/10	0915 / 0920	"	5.0	2.20	1.32	0.17	3.0		.6	6		"
157	10/24	0855 / 0900	"	4.8	0.90	0.89	0.02	0.8		.5	6	0	"
158	10/31	1335 / 1345	"	7.0	2.28	1.27	0.04	2.9		.5	7	0	"
159	11/14	1700 / 1710	"	7.0	2.99	1.97	0.02	5.9		.5	8	0	"
160	11/21	1700 / 1706	SARASUA – BROOK	6.5	2.07	1.93	0.19	4.0		.5 .6	9	0	"
161	11/28	1450 / 1500	SARASUA	11.5	3.78	1.59	0.19	6.0		.5	11	0	"
162	12/12	1340 / 1350	"	10.4	3.94	1.92	0.30	7.6		.5	11	0	"
163	12/19	0820 / 0830	"	8.5	2.41	1.74	0.14	4.2		.5	10	0	"
164	12/26	1220 / 1225	"	9.5	3.11	1.70	0.17	5.3		.5	11	0	"
165	1/2	1105 / 1115	"	7.0	3.43	1.49	0.17	5.1		.5	9	0	"
166	1/9	1540 / 1550	"	11.0	3.83	1.70	0.19	6.5		.5	12	0	"
167	1/16	1550 / 1600	"	9.0	3.79	1.90	0.28	7.2		.5	10		"
168	1/23	1705 / 1715	"	11.8	6.21	1.67	0.49	10.4		.5	13	0	"
169	1/30	1105 / 1115	"	9.5	4.76	1.24	0.32	5.9		.5	11	0	"
170	2/6	1000 / 1010	"	9.0	3.09	1.26	0.29	3.9		.5	11	0	"
171	2/13	1725 / 1735	"	10.0	4.52	1.61	0.39	7.3		.5	11	0	"
172	2/20	0945 / 0955	"	10.0	5.05	1.29	0.31	6.5		.5	12	0	"
173	2/27	0950 / 1000	"	9.5	4.10	1.05	0.19	4.3		.5	11	0	"
174	3/5	0950 / 1000	"	9.6	2.56	1.05	0.04	2.7		.5	11	0	"
175	3/12	0800 / 0810	"	8.0	2.88	1.39	0.12	4.0		.5	9	9	"
176	3/19	0910 / 0920	"	13.0	2.81	1.14	0.05	3.2		.5	10		"
177	3/26	0840 / 0850	"	11.5	4.20	1.24	0.05	5.2		.5	13	0	"
178	4/9	0916 / 0924	BROOK	7.4	2.23	1.53	0.01ft	3.4		.5 .6	10	0	"
179	4/16	0805 / 0815	SARASUA	8.5	2.12	1.84	0.05	3.9		.5	11	0	"
180	4/23	0800 / 0810	"	10.5	2.95	1.86	0.10	5.5		.5	12	0	"
181	4/30	1540 / 1530	"	10.0	2.97	1.31	0.03	3.9		.5	8	0	"
182	5/6	1325 / 1330	"	8.0	2.47	1.59	0.09	3.9		.5	10	0	"
183	5/20	0800 / 0810	"	5.2	1.30	1.31	0.01	1.7		.5	9	0	"
184	5/27	0750 / 0800	"	5.5	1.94	1.96	0.02	3.8		.5	8	0	"
185	6/4	1025 / 1030	"	14.0	3.42	0.85	0.17	2.9		.5	11	0	"
186	6/11	0810 / 0815	"	9.6	2.08	1.54	0.02	3.1		.5	9	0	"
187	6/18	0740 / 0750	"	11.0	2.69	1.60	0.02	4.3		.5	10	0	"
188	7/2	1830 / 1840	"	9.5	2.59	1.47	0.37	3.8		.6	10	0	"
189	7/9	1600 / 1610	"	9.0	2.36	1.65	0.32	3.9		.5	10	0	"
190	7/15	1020 / 1030	"	9.0	2.47	1.66	0.27	4.1		.5	10	0	"
191	7/23	0900 / 0910	"	10.0	2.36	1.52	0.22	3.6		.5	11	0	"
192	7/30	1630 / 1646	MC BRIDE	7.5	4.07	1.65		6.7		.5 .6	9		FC43
193	8/6	1031 / 1039	BROOK	5.4	1.72	1.16	0.05	2.0		.5	8		FC35
194	8/13	1023 / 1035	"	7.0	2.52	1.59	0.10ft	4.0		.5	11	0	"
195	8/20	1038 / 1046	"	6.0	2.17	1.66	0.16	3.6		.5	9	0	"
196	8/27	0935 / 0943	"	6.0	2.36	1.73	0.14	4.1		.5 .6	9	0	FC57
197	9/3	0955 / 1005	"	6.4	2.53	1.66	0.14	4.2		.5 .6	9	0	FC35
198	9/10	0955 / 1005	"	6.6	2.49	1.65	0.14	4.1		.5 .6	10	0	"
199	9/17	1039 / 1050	"	6.8	2.42	1.36	0.13	3.3		.5 .6	10	0	"
200	9/24	1047 / 1100	"	5.4	3.26	1.13	0.14	3.7		.5 .6	11		FC63

DISCHARGE MEASUREMENTS OF SAN JOSE CREEK F306-S

AT Nogales Ave. DURING THE YEAR ENDING SEPTEMBER 30, 19 65

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
201	10/1	1007 / 1020	BROOK	5.6	3.41	1.17	0.23	4.0		.5 .6	11	0	FC 63
202	10/8	1012 / 1022	"	5.7	3.18	1.16	0.22	3.7		.5 .6	11	0	"
203	10/15	0957 / 1005	"	5.4	3.18	1.20	0.20	3.8		.5 .6	10	0	"
204	10/22	1335 / 1344	"	5.6	3.54	1.18	0.24	4.2		.5 .6	10	0	"
205	10/29	1318 / 1326	"	9.4	5.05	2.80	0.52	14.1		.5 .6	10	-.05	"
206	11/5	1327 / 1333	"	6.2	3.01	1.72	0.21	5.2		.5 .6	8	0	"
207	11/12	1412 / 1420	"	8.6	4.02	1.99		8.0		.5 .6	10		"
208	11/19	1330 / 1335	"	3.6	1.01	0.54		0.55		.5 .6	7		"
209	11/25	1525 / 1533	"	7.4	4.25	1.58		6.7		.5 .6	9		"
210	12/3	1030 / 1040	"	6.8	3.00	1.53		4.6		.5 .6	10		"
211	12/10	0931 / 0941	"	6.6	2.96	1.25		3.7		.5 .6	9		"
212	12/17	1110 / 1118	"	7.0	3.32	1.63		5.4		.5 .6	10		"
213	12/23	0958 / 1008	MEAD – MC BRIDE	11.6	3.21	1.18		3.8		.6	9		"
214	12/31	0930 / 0942	BROOK	7.2	3.40	1.59		5.4		.5 .6	10		"
215	1/7	1000 / 1012	MEAD – BROOK	19.5	13.4	3.64		48.7		.6	12		"
216	1/14	1020 / 1029	BROOK	8.0	3.57	1.85		6.6		.5 .6	10		"
217	1/21	1525 / 1536	FABER – BROOK	8.5	4.27	1.64		7.0		.6	11		"
218	1/28	1500 / 1516	SINGER – BROOK	7.6	3.21	1.65		5.3		.5 .6	14		"
219	2/4	1350 / 1358	BROOK	5.8	3.28	1.92		6.3		.5 .6	8		"
220	2/11	1336 / 1352	CARPENTER – BROOK	9.7	4.59	1.59		7.3		.5 .6	12		"
221	2/18	1135 / 1147	BROOK	10.4	3.91	1.46		5.7		.5	12		"
222	2/25	1318 / 1332	LUYENDYK – BROOK	9.8	4.97	1.99		9.9		.5	12		"
223	3/4	1240 / 1250	BROOK	9.7	3.99	1.48		5.9		.5	10		"
224	3/11	1236 / 1245	"	5.8	3.28	1.49		4.9		.5	9		"
225	3/18	1330 / 1346	"	13.0	4.37	1.60		7.0		.5 .6	14		"
226	3/25	1412 / 1427	BROOK – LINDSAY	12.6	4.75	1.43		6.8		.6	15		"
227	4/2	1357 / 1405	BROOK	13.0	11.3	4.16		46.9		.6	9		"
228	4/15	1412 / 1422	"	15.0	5.57	1.44		8.0		.6	10		"
229	4/22	1442 / 1450	"	9.0	4.59	1.74		8.0		.6	10		"
230	4/29	1417 / 1426	"	6.8	4.03	1.91		7.7		.6	9		"
231	5/6	1434 / 1442	"	7.4	4.51	1.95		8.8		.5	10		"
232	5/13	1426 / 1437	"	7.6	3.75	1.71		6.4		.6	10		"
233	5/20	1432 / 1442	"	8.0	3.75	1.41		5.3		.6	10		"
234	5/27	1346 / 1356	"	8.4	4.34	1.52		6.6		.6	11		"
235	6/3	0834 / 0845	MEAD	7.6	4.10	1.22		5.0		.6	9		"
236	6/10	1230 / 1238	BROOK	8.0	3.91	1.36		5.3		.6	9		"
237	6/17	1104 / 1112	"	7.4	3.33	1.32		4.4		.6	8		"
238	6/24	0946 / 0956	"	7.4	3.68	1.38		5.1		.6	9		"
239	6/30	1235 / 1242	"	7.8	3.87	1.06		4.1		.6	9		"
240	7/8	1016 / 1026	"	8.4	3.20	1.62		5.2		.6	9		"
241	7/15	0932 / 0944	"	8.2	3.65	1.29		4.7		.6	11		"
242	7/22	0925 / 0935	"	8.0	4.05	1.11		4.5		.6	11		"
243	7/29	0855 / 0907	MC BRIDE	7.7	3.54	1.14		4.0		.5 .6	9		"
244	8/5	1530 / 1540	"	6.4	2.09	1.48		3.1		.6	8		"
245	8/12	0916 / 0926	BROOK	6.2	3.00	1.37		4.1		.6	9		"
246	8/19	0914 / 0924	"	5.4	2.28	1.71		3.9		.6	10		FC 35
247	8/26	0944 / 0954	"	7.2	4.17	0.98		4.1		.6	10		"
248	9/2	1007 / 1016	"	7.6	4.08	1.22		5.0		.6	9		"
249	9/8	1056 / 1106	"	7.4	2.75	1.31		3.6		.6	10		"
250	9/16	1033 / 1042	"	7.6	2.90	1.31		3.8		.6	10		FC 63
251	9/23	1038 / 1050	"	8.6	3.20	1.34		4.3		.6	10		"
252	9/30	1014 / 1026	"	9.4	3.74	1.12		4.2		.6	11		"

DISCHARGE MEASUREMENTS OF SAN JOSE CREEK F357-S

AT Mission Mill Road DURING THE YEAR ENDING SEPTEMBER 30, 19 64

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1	3 26	1423 1430	ROY	5.0	2.28	0.40		0.92		.6	7		FC52
2	4 6	0627 0834		CHANNELS				0.42		.5	10		"
3	4 9	1405 1410	"	2.4	0.31	1.26		0.39		.5	6		"
4	4 16	1435 1436	"	1.0	0.67	0.43		0.03		.5	3		"
5	7 9	1258 1304	"	12.0	1.59	0.94		1.5		.5	7		"
6	7 16	1504 1516	"	10.8	2.14	0.98		2.1		.5	9		"
7	7 23	1415 1421	"	10.7	2.00	0.90		1.8		.5	7		"
8	7 30	1400 1407	"	11.0	2.30	0.74		1.7		.5	7		"
9	8 6	1452 1500	"	9.0	1.95	0.56		1.1		.5	10		"
10	8 13	1445 1452	"	10.0	2.43	0.91		2.2		.6	7		"
11	8 20	1313 1322	SINGER - ROY	7.8	1.54	1.24		1.9		.5	10		"
12	8 27	1348 1357	ROY	8.5	2.23	1.16		2.6		.5	10		"
13	9 3	1523 1530	"	10.0	2.51	1.04		2.6		.5	11		"
14	9 10	1120 1131	"	10.0	2.38	0.80		1.9		.5	11		"
15	9 24	1337 1347	"	9.0	2.49	0.88		2.2		.5	10		"

DISCHARGE MEASUREMENTS OF SAN JOSE CREEK F357-S

AT Mission Mill Road DURING THE YEAR ENDING SEPTEMBER 30, 19 65

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
16	10/1	1530 1536	ROY	10.0	2.48	1.25		3.1		.5	7		FC 52
17	10/8	1330 1340	"	10.0	2.22	1.22		2.7		.5	11		"
18	10/15	1548 1557	"	10.0	1.74	0.86		1.5		.5	11		"
19	10/22	1518 1530	SINGER - ROY	9.5	1.61	1.06		1.7		.5	11		"
20	10/29	1255 1308	"	9.7	1.83	1.09		2.0		.5	12		"
21	11/5	1130 1138	ROY	10.0	2.29	1.31		3.0		.5	11		"
			FOR MEASUREMENTS AFTER 11/5/64 SEE STATION F357-R, SAN JOSE CREEK AT MISSION MILL ROAD.										

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER F147-S

AT Bouquet Canyon Road Bridge DURING THE YEAR ENDING SEPTEMBER 30, 19 64

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1	4/1	0907 0912	WHISLER - GAETZ	CHANNELS				35.2		.5	8		FC41

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F272-S

above Rustic Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 64

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
	10/3	1600	SJOSTEDT					1.2		EST.			
826	10/17	1600 1605	"	3.0	0.51	2.94		1.5		.5	5		FC50
827	10/24	1245 1250	"	3.0	0.34	2.95		1.0		.5	5		"
828	10/31	1215 1220	"	3.0	0.37	3.24		1.2		.5	5		"
829	11/7	1030 1040	"	4.0	0.36	3.89		1.4		.5	5		"
830	11/14	1000 1010	"	4.0	0.34	3.23		1.1		.5	5		"
831	11/21	1120 1125	"	4.0	0.32	3.20		1.0		.5	5		"
832	11/27	1220 1225	"	3.0	0.25	3.28		0.82		.5	5		FC65
833	12/5	1210 1215	"	4.0	0.42	3.10		1.3		.5	5		FC50
834	12/12	1130 1135	"	4.0	0.40	3.00		1.2		.5	5		"
835	12/19	1210 1215	PETERSEN	4.0	0.33	2.94		0.97		.5	5		"
836	12/26	1445 1455	SJOSTEDT	4.0	0.35	2.86		1.0		.5	5		"
837	1/2	1315 1320	"	4.0	0.34	2.53		0.86		.5	5		"
838	1/9	1540 1550	"	4.0	0.39	2.82		1.1		.5	5		"
839	1/16	1205 1215	"	4.0	0.36	2.69		0.97		.5	5		"
	1/23	1625	"					0.7		EST.			
840	1/30	1130 1140	"	4.0	0.34	2.68		0.91		.5	5		FC50
841	2/6	1150 1200	"	4.0	0.34	2.68		0.91		.5	5		"
842	2/13	1010 1020	"	4.0	0.38	2.61		0.99		.5	5		"
843	2/20	1550 1600	SJOSTEDT	4.0	0.45	2.04		0.92		.5	6		FC50
844	2/27	1300 1310	"	5.0	0.41	2.44		1.0		.5	6		"
845	3/5	1400 1410	"	5.0	0.46	1.87		0.86		.5	6		"
846	3/12	1300 1310	LUYENDYK - SJOSTEDT	4.5	0.72	1.94		1.4		.5	7		"
847	3/19	1325 1330	SJOSTEDT	4.0	0.38	2.89		1.1		.5	5		"
848	3/26	1420 1430	"	4.0	0.38	2.63		1.0		.5	5	0	"
849	4/2	1100 1105	"	4.0	0.42	3.10		1.3		.5	5		"
850	4/9	0900 0910	"	4.0	0.40	2.75		1.1		.5	5		"
851	4/16	1450 1500	"	4.0	0.36	3.89		1.4		.5	5		"
852	4/23	1420 1430	"	4.0	0.47	2.13		1.0		.5	5		"
853	4/30	1215 1225	"	5.0	0.44	2.09		0.92		.5	6		"
854	5/8	1305 1315	"	5.0	0.50	1.96		0.98		.5	6		"
855	5/14	1215 1220	SJOSTEDT - SINGER	5.0	0.46	1.85		0.89		.5	6		"
	5/21	1200	"					1.0		EST.			
856	5/28	1340 1345	SJOSTEDT	5.0	0.58	1.72		1.0		.5	6		FC50
857	6/4	1240 1250	"	6.0	0.57	1.93		1.1		.5	7		"
858	6/11	1100 1104	PETERSEN	4.0	0.31	3.23		1.0		.5	4		"
859	6/18	1125 1130	"	4.0	0.44	1.93		0.85		.5	5		"
860	6/25	1300 1305	SJOSTEDT	4.0	0.44	2.73		1.2		.5	5		"
861	7/2	1100 1105	"	4.0	0.46	2.39		1.1		.5	5		"
862	7/9	1115 1125	MEAD - SJOSTEDT	3.3	0.48	2.29		1.1		.5	7		"
863	7/16	1125 1130	SJOSTEDT	3.0	0.48	2.71		1.3		.5	5		"
864	7/23	1055 1100	"	3.0	0.36	2.78		1.0		.5	5		"
	7/30	1105	SJOSTEDT CARPENTER					1.5		EST.			
865	8/5	1050 1055	PETERSEN	4.0	0.34	2.88		0.98		.6	5		"
866	8/13	1115 1120	SJOSTEDT	4.0	0.52	1.92		1.0		.5	5		"
867	8/20	1035 1045	LUYENDYK - SJOSTEDT	4.0	0.35	2.43		0.85		.5	6		"
868	8/27	1200 1205	SJOSTEDT	4.0	0.38	2.16		0.82		.5	5		"
869	9/3	1050 1055	"	3.0	0.32	2.66		0.85		.5	5		"
870	9/11	1215 1220	"	4.0	0.34	2.12		0.72		.5	5		"
871	9/17	1042 1058	LUYENDYK	5.4	0.57	2.10		1.2		.5	8		FC61
872	9/24	1014 1021	"	5.4	0.57	1.61		0.92		.5	7		"

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F272-S

above Rustic Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 65

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
873	10/1	1134 1138	PETERSEN	5.0	0.41	1.83		0.75		.6	5		FC 48H
874	10/8	1015 1021	"	4.0	0.35	3.14		1.1		.6	5		"
875	10/15	1025 1030	"	4.0	0.33	3.04		1.0		.6	5		"
876	10/22	1048 1052	"	1.4	0.34	1.97		0.67		.6	5		FC 73
877	10/29	1223 1227	"	1.3	0.28	2.50		0.70		.6	5		"
878	11/5	1115 1116	PETERSEN - FABER	1.3	0.28	2.15		0.60		.6	5		"
879	11/12	1100 1105	FABER - PETERSEN	1.4	0.40	2.00		0.80		.6	5		"
880	11/19	1055 1101	PETERSEN	1.4	0.28	2.32		0.65		.6	5		"
881	11/25	1040 1045	"	1.5	0.37	2.52		0.93		.6	5		"
882	12/3	1050 1056	LUYENDYK - PETERSEN	1.7	0.43	2.12		0.91		.6	5		"
883	12/10	1017 1021	PETERSEN	1.7	0.46	1.98		0.91		.6	5		"
884	12/17	1052 1058	"	1.8	0.55	1.78		0.98		.6	5		"
885	12/23	1010 1014	"	1.1	0.20	3.50		0.70		.6	5		"
886	12/30	1030 1034	"	1.1	0.21	4.52		0.95		.6	5		"
887	1/7	1035 1039	"	1.1	0.23	4.26		0.98		.6	5		"
888	1/14	1050 1054	PETERSEN - CARPENTER	1.1	0.23	4.04		0.93		.6	5		FC 48H
889	1/21	1048 1051	PETERSEN	1.6	0.44	1.91		0.84		.6	5		FC 73
890	1/28	1024 1028	"	1.7	0.41	1.90		0.78		.6	5		"
891	2/4	1039 1043	"	1.7	0.46	1.81		0.83		.6	5		"
892	2/11	1015 1019	"	1.7	0.46	1.87		0.86		.6	5		"
893	2/17	1021 1026	"	1.8	0.51	1.77		0.90		.6	5		"
894	2/25	1045 1050	"	2.0	0.54	1.48		0.80		.6	5		"
895	3/4	1052 1058	"	2.0	0.71	1.11		0.79		.6	5		"
896	3/11	1031 1035	"	2.0	0.65	1.29		0.84		.6	5		"

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F272-5

above Rustic Canyon (Continued) DURING THE YEAR ENDING SEPTEMBER 30, 19 65

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
897	3 18	1026 1031	PETERSEN	5.0	0.56	2.14		1.2		6	6		FC 73
898	3 25	1020 1026	"	4.5	0.46	1.91		0.88		6	6		"
899	4 1	1041 1045	PETERSEN – FABER	2.0	0.60	3.00		1.8		6	5		"
900	4 15	1022 1027	PETERSEN	1.3	0.29	2.55		0.74		6	5		"
901	4 22	1027 1032	"	2.1	0.64	1.36		0.87		6	5		"
902	4 29	1015 1021	"	2.1	0.67	1.48		0.99		6	5		"
903	5 6	1018 1028	"	4.5	0.47	2.00		0.94		6	7		"
904	5 13	1005 1012	"	2.2	0.72	1.53		1.1		6	5		"
905	5 20	1013 1018	"	2.2	0.73	1.64		1.2		6	5		"
906	5 27	1018 1022	"	2.0	0.65	1.94		1.2		6	5		"
907	6 3	1044 1049	"	2.2	0.77	1.43		1.1		6	5		"
908	6 10	1027 1032	"	2.0	0.74	1.62		1.2		6	5		"
909	6 17	1025 1034	"	6.0	0.61	1.97		1.2		6	6		"
910	6 24	1027 1038	"	5.5	0.54	1.85		1.0		6	8		"
911	7 1	1108 1114	"	5.5	0.61	1.34		0.82		6	6		"
912	7 7	1024 1033	"	6.2	0.63	1.74		1.1		6	7		"
913	7 16	0950 1000	"	6.0	0.55	1.65		0.91		6	7		"
914	7 23	1055 1104	"	6.0	0.59	1.59		0.94		6	7		"
915	7 29	1040 1050	"	6.0	0.62	1.78		1.1		6	7		"
916	8 5	1021 1030	"	6.5	0.66	1.45		0.96		6	7		"
917	8 12	1027 1036	"	6.5	0.56	1.34		0.75		6	7		"
918	8 19	1103 1117	FABER	6.0	0.99	1.42		1.4		6	7		"
919	8 26	1005 1014	"	6.0	0.63	2.38		1.5		6	5		"
920	9/2	0930 0940	"	8.0	1.12	1.25		1.4		6	7		"
921	9/8	1108 1117	PETERSEN	6.2	0.65	1.84		1.2		6	7		"
922	9/15	1108 1115	"	6.0	0.51	2.75		1.4		6	7		"
923	9/23	1100 1105	"	2.1	0.76	1.84		1.4		6	5		"
924	9/30	1043 1051	"	2.2	0.85	1.53		1.3		6	7		"

DISCHARGE MEASUREMENTS OF VALYERMO RANCH SPRINGS CREEK F291-5

AT Valyermo Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 64

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
	10/2	1250	WHISLER					0.02		EST			
	10/9	1322	"					0.03		"			
399	10/23	1247 1300	"	2.0	0.21	0.24		0.05		5	5		FC59
	10/30	1302	"					0.03		EST			
400	11/7	1253 1255	"	2.0	0.28	0.25		0.07		5	5		"
401	11/13	1110 1115	FALCONE	1.4	0.33	0.58		0.19		5	5		"
402	11/26	1130 1140	"	1.7	0.34	0.47		0.16		5	4		"
403	12/4	1308 1310	WHISLER	1.7	0.31	0.36		0.11		5	5		"
404	12/11	1150 1152	"	1.8	0.36	0.33		0.12		5	5		"
405	12/19	1130 1132	"	2.8	0.78	0.40		0.31		5	5		"
406	12/26	1105 1115	FALCONE	2.3	0.47	0.28		0.13		5	6		"
407	1/2	1220 1222	WHISLER	2.3	0.45	0.31		0.14		5	5		"
408	1/8	1226 1230	"	2.3	0.43	0.23		0.10		5	6		"
409	1/15	1210 1212	"	2.4	0.36	0.25		0.09		5	6		"
410	1/29	1318 1320	"	2.2	0.37	0.24		0.09		5	5		"
411	2 5	1210 1212	WHISLER	2.2	0.36	0.22		0.08		5	5		FC59
412	2 11	1130 1132	"	2.2	0.36	0.33		0.12		5	5		"
413	2 19	1213 1216	"	2.2	0.37	0.27		0.10		5	5		"
414	2 26	1150 1200	"	2.2	0.40	0.22		0.09		5	5		"
415	3 4	1153 1155	"	2.0	0.33	0.36		0.12		5	5	0	"
416	3 11	1437 1436	"	2.0	0.33	0.39		0.13		5	5		"
417	3 18	1200 1204	"	2.0	0.38	0.32		0.12		5	5		"
418	3 25	1305 1312	LUYENDYK – WHISLER	2.8	0.63	0.68		0.43		5	7		"
419	4 2	1018 1020	WHISLER	1.8	0.25	0.48		0.12		5	5		"
420	4 8	1235 1237	"	1.7	0.17	0.41		0.07		5	5		"
421	4 15	1250 1253	"	1.2	0.15	0.33		0.05		5	4		"
422	4 23	1035 1037	"	1.3	0.08	0.50		0.04		5	4		"
423	4 29	1230 1232	"	1.4	0.11	0.55		0.06		5	4		"
424	5 5	1325 1329	"	2.0	0.29	0.62		0.18		5	5		"
	5 20	1110	"					0.02		EST			
	5 27	1245	"					0.01		"			
	6 3	1120	"					0					
	6 10	1125	"					0					
	6 17	1245	"					0					

DISCHARGE MEASUREMENTS OF VALYERMO RANCH SPRINGS CREEK F291-5

AT Valyermo Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 65

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
425	11 24	1110 1112	LUYENDYK	0.6	0.02	0.50		0.01		5	3		FC 59
426	12/2	1338 1340	WHISLER	1.7	0.13	0.23		0.03		5	4		"
427	12/9	1120 1122	"	1.8	0.13	0.23		0.03		5	4		"
	12 16	1110	"					0.03		Est			
	12 22	1248	"					0.03		"			
428	12 29	1232 1234	"	2.0	0.25	0.12		0.03		5	5		FC 59
429	1/6	1138 1140	"	2.0	0.26	0.23		0.06		5	5		"
430	1/13	1308 1312	"	2.0	0.27	0.22		0.06		5	5		"
431	1/20	1148 1150	"	2.0	0.25	0.16		0.04		5	5		"
432	1/27	1210 1212	"	2.0	0.20	0.20		0.04		5	5		"
433	2/3	1240 1243	"	2.0	0.27	0.15		0.04		5	5		"
434	2/10	1400 1403	"	1.8	0.22	0.18		0.04		5	5		"
435	2/17	1256 1301	FABER – WHISLER	2.0	0.24	0.21		0.05		5	5		"
436	2/24	1420 1422	WHISLER	2.0	0.26	0.19		0.05		5	5		"
437	3/3	1105 1108	"	1.9	0.20	0.15		0.03		5	5		"
438	3/10	1310 1314	"	2.0	0.27	0.11		0.03		5	5		"
439	3/17	1211 1213	"	1.8	0.18	0.22		0.04		5	4		"
440	3/24	1150 1154	"	2.0	0.21	0.14		0.03		5	5		"
441	4/7	1014 1017	"	2.0	0.23	0.30		0.07		5	5		"
442	4/14	1215 1217	"	2.0	0.23	0.17		0.04		5	5		"
443	4/21	1310 1312	"	2.0	0.29	0.17		0.05		5	5		"
444	4/28	1340 1344	"	2.4	0.42	0.26		0.11		5	5		"
	5/5	1320	"					0.01		Est			
	5/12	1252	"					0.01		Est			
	5/19	1220	"					0		Obs			
	9/1	1320	"					0		"			

RISING WATER AT WHITTIER NARROWS

THE VALUES OF DISCHARGE SUMMARIZED HERE ARE COMPUTED BY MEANS OF INTERPOLATION BETWEEN MEASURED AMOUNTS. IT HAS BEEN NECESSARY TO ESTIMATE THE QUANTITY OF RISING WATER REACHING WHITTIER NARROWS DURING PERIODS OF HIGH FLOW SUCH AS DURING STORMS. BEGINNING IN 1954 THE IMPORTATION OF COLORADO RIVER WATER FOR SPREADING CREATED CONDITIONS WHICH 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 F326-R.

D = ADDITIONAL FLOW AT VARIOUS LOCATIONS.

G = MEASURED FLOW OF SAN GABRIEL RIVER ABOVE PARKWAY BRIDGE, 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.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER (Factor "G") F86-S

below Standifer Ditch DURING THE YEAR ENDING SEPTEMBER 30, 1964

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1366	10/3	1438 / 1443	ROY	4.0	0.65	0.89		0.58		.5	6		FC52
1367	10/7	1500 / 1508	"	3.0	0.49	0.86		0.42		.5	7		"
1368	1/20	1010 / 1016	"	10.0	3.50	1.34		4.7		.5	7		FC44
1369	1/27	0830 / 0847	"	CHANNELS				5.1		.5	16		"
1370	1/30	0845 / 0857	"	"				4.2		.5	14		"
1371	2/6	0840 / 0854	"	"				4.3		.5	15		"
1372	2/13	0838 / 0846	"	9.0	2.92	1.29		3.8		.5	10		"
1373	2/20	0850 / 0902	"	9.0	3.13	1.21		3.8		.5 / .6	10		FC52
1374	2/27	1650 / 1700	MC BRIDE	7.2	2.86	1.12		3.2		.5 / .6	8		FC33
1375	3/5	1436 / 1443	ROY	6.5	2.11	1.60		3.4		.5 / .6	8		FC52
1376	3/12	0855 / 0903	"	5.0	2.02	1.58		3.2		.6	6		"
1377	3/19	1424 / 1435	SINGER – ROY	7.0	2.15	1.36		2.9		.5	8		"
1378	3/26	1450 / 1505	ROY	CHANNELS				4.5		.5 / .6	10		"
1379	4/6	0852 / 0900	"	"				3.8		.5 / .6	11		"
1380	4/9	1430 / 1445	"	"				3.2		.5	14		"
1381	4/16	1518 / 1528	"	9.0	1.68	1.30		2.2		.5	10		"
1382	4/22	0833 / 0843	"	10.0	1.95	1.12		2.2		.5	11		"
1383	5/28	1230 / 1245	LUYENDYK – ROY	9.4	2.61	1.32		3.4		.5	12		"
1384	6/1	0908 / 0917	ROY	8.4	2.17	1.31		2.8		.5	10		"
1385	6/4	1418 / 1427	"	19.4	10.9	1.94		21.1		.6	9		"
1386	6/11	1606 / 1615	"	18.8	11.4	1.60		20.6		.6	11		FC44
1387	6/18	1506 / 1524	SINGER – ROY	18.0	12.1	1.85		22.4		.6	11		"
1388	6/25	1500 / 1510	ROY	18.0	11.0	1.73		19.1		.6	11		"
1389	7/2	1345 / 1400	SINGER	8.0	1.97	1.12		2.2		.5	10		FC52
1390	7/9	1320 / 1333	ROY	CHANNELS				1.9		.5	14		"
1391	7/16	1533 / 1538	ROY – CARPENTER	CHANNELS				1.8		.5	12		FC52
1392	7/23	1442 / 1446	ROY	2.5	0.51	0.69		0.35		.5	6		"
1393	8/6	1520 / 1524	"	2.0	0.14	0.64		0.09		.5	5		"
1394	8/27	1530 / 1532	"	1.0	0.05	0.60		0.03		.5	3		"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER (Factor "G") F86-S

below Standifer Ditch DURING THE YEAR ENDING SEPTEMBER 30, 1965

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1395	11/18	1438 / 1444	ROY – SINGER	8.8	1.89	1.40		2.6		.5	7		FC52
1396	12/10	1440 / 1448	ROY	7.0	1.99	1.05		2.1		.5	8		FC66
1397	12/11	0902 / 0909	"	7.0	2.05	1.04		2.1		.5 / .6	8		"
1398	1/25	1208 / 1216	"	9.0	2.42	1.16		2.8		.5	7		"
1399	2/3	1538 / 1545	ROY – SINGER	7.0	2.06	1.16		2.4		.5	8		"
1400	2/4	1518 / 1527	"	7.5	2.46	1.14		2.8		.5	9		"
1401	3/8	1358 / 1400	"	6.0	2.01	1.49		3.0		.5	7		"
1402	3/12	1610 / 1615	ROY	7.0	2.06	1.41		2.9		.5	6		"
1403	4/6	1022 / 1030	"	7.0	2.84	1.34		3.8		.5	8		"
1404	4/14	0803 / 0810	"	11.0	3.13	1.21		3.8		.5	7		"
1405	4/15	1320 / 1327	"	10.6	2.88	1.18		3.4		.5	7		"
1405	6/7	1052 / 1100	"	11.0	2.52	0.95		2.4		.5	8		"
1407	6/8	1100 / 1112	SINGER – ROY	10.0	2.55	0.98		2.5		.5	11		"
1408	6/9	1448 / 1456	ROY	10.0	2.77	0.91		2.5		.5	11		"
1409	6/10	1055 / 1103	"	8.0	1.80	1.11		2.0		.5	9		"
1410	6/17	0810 / 0815	"	7.0	2.49	0.96		2.4		.5 / .6	6		"
1411	7/23	0823 / 0835	SINGER	CHANNELS				0.97		.5	9		"
1412	7/29	0859 / 0909	ROY	15.0	11.0	1.87		20.6		.5 / .6	9		"
1413	8/5	0900 / 0912	"	16.0	11.7	1.78		20.8		.6	10		"
1414	8/30	0806 / 0812	"	3.0	0.43	0.95		0.41		.5	7		FC52
1415	8/31	0804 / 0810	"	3.0	0.39	0.82		0.32		.5	7		"
1416	9/1	1550 / 1554	"	2.0	0.21	0.95		0.20		.5	5		"
1417	9/2	1031 / 1032	"	1.0	0.05	1.00		0.05		.5	3		"

760T4M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily discharge, in second-feet of RISING WATER at Whittier Narrows, for the year ending September 30, 19 65

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	1.2	2.2	3.3	4.4	5.2	7.1	6.1	4.5	2.5	0.9	0.2
2	+	1.2	2.2	3.4	4.4	5.2	7.3	6.1	4.5	2.4	0.8	0.1
3	0.1	1.2	2.2	3.4	3.7	5.2	7.3	5.9	4.5	2.4	0.8	0.1
4	0.1	1.2	2.3	3.4	3.7	5.4	7.4	5.9	4.3	2.2	0.8	0
5	0.2	1.3	2.3	3.5	3.9	5.4	7.5	5.8	4.3	2.2	0.8	0
6	0.2	1.3	2.3	3.5	3.8	5.5	7.5	5.8	4.3	2.2	0.9	0
7	0.2	1.3	2.3	3.5	3.9	5.5	7.5	5.8	4.2	2.0	0.8	0
8	0.3	1.5	2.3	3.7	3.9	5.6	7.6	5.8	4.1	2.0	0.7	0
9	0.3	1.5	2.4	3.7	4.1	5.6	7.6	5.7	3.8	1.9	0.7	0
10	0.3	1.5	2.4	3.7	4.1	5.6	7.6	5.6	3.5	1.8	0.7	0
11	0.3	1.6	2.4	3.7	4.2	5.6	7.6	5.5	3.5	1.8	0.7	+
12	0.4	1.6	2.5	3.8	4.2	5.6	7.6	5.5	3.4	1.8	0.7	+
13	0.4	1.6	2.5	3.8	4.3	5.7	7.7	5.5	3.4	1.6	0.6	+
14	0.4	1.7	2.6	3.8	4.3	5.8	7.7	5.4	3.5	1.6	0.6	0.1
15	0.5	1.7	2.6	3.9	4.3	5.9	6.8	5.4	3.4	1.5	0.6	0.1
16	0.5	1.7	2.7	3.9	4.4	5.9	6.8	5.3	3.4	1.5	0.6	0.1
17	0.5	1.7	2.7	4.0	4.5	6.0	6.7	5.2	3.4	1.3	0.6	0.1
18	0.6	1.8	2.7	4.1	4.5	6.1	6.7	5.2	3.3	1.3	0.6	0.1
19	0.6	1.8	2.8	4.1	4.6	6.1	6.7	5.2	3.2	1.2	0.6	0.1
20	0.6	1.8	2.8	4.1	4.6	6.3	6.6	5.1	3.1	1.1	0.6	0.1
21	0.7	1.9	2.8	4.1	4.7	6.3	6.5	5.1	3.1	1.1	0.6	0.1
22	0.8	1.9	2.8	4.2	4.7	6.4	6.5	5.0	3.0	1.1	0.5	0.1
23	0.8	1.9	3.0	4.2	4.8	6.4	6.4	4.9	2.9	1.0	0.5	0.2
24	0.8	2.0	3.0	4.3	4.8	6.6	6.4	4.9	2.9	1.0	0.5	0.2
25	0.9	2.0	3.0	4.4	4.9	6.6	6.4	4.9	2.8	1.0	0.5	0.2
26	0.9	2.0	3.1	4.4	5.0	6.7	6.4	4.8	2.8	1.0	0.5	0.3
27	0.9	2.0	3.1	4.4	5.0	6.8	6.2	4.8	2.8	1.0	0.4	0.3
28	0.9	2.1	3.1	4.5	5.1	6.8	6.2	4.8	2.6	1.0	0.4	0.3
29	1.1	2.1	3.2	4.5		6.9	6.2	4.6	2.6	0.9	0.4	0.3
30	1.1	2.1	3.2	4.5		7.0	6.1	4.6	2.6	0.9	0.4	0.4
31	1.1		3.3	4.4		7.1		4.6		0.9	0.3	
	16.5	50.2	82.8	122.2	122.7	186.8	208.6	164.8	103.7	47.2	19.0	3.5
MEAN	0.53	1.67	2.67	3.94	4.38	6.03	6.95	5.32	3.46	1.52	0.61	0.12
ACRE-FEET	33.	100.	164.	242.	243.	370.	414.	327.	206.	94.	38.	7.0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 3.09
ACRE-FEET 2240.

760T4M C&b 11-59

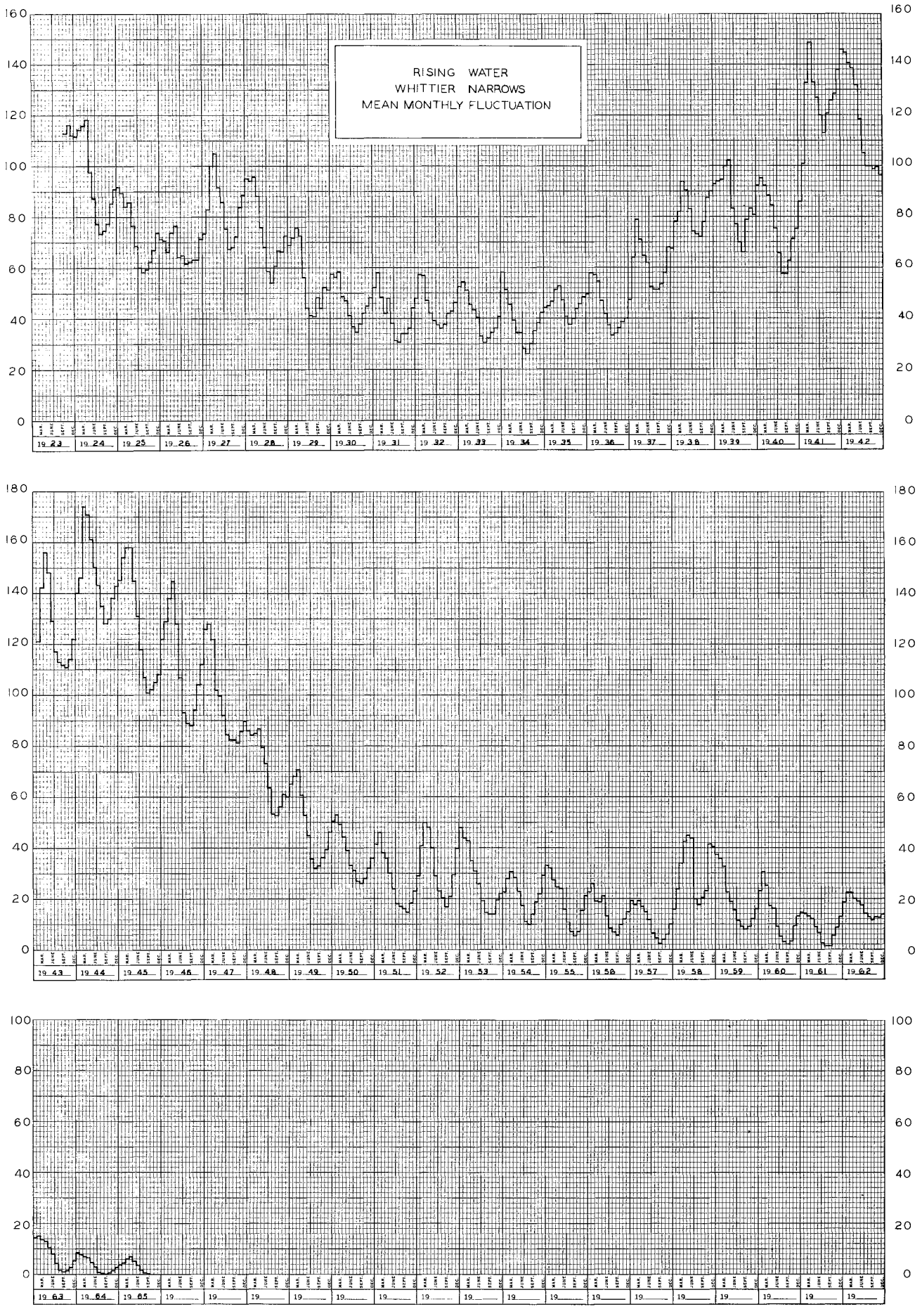
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily discharge, in second-feet of RISING WATER at Whittier Narrows (Total), for the year ending September 30, 19 64

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.4	1.5	3.6	6.9	8.8	7.0	8.2	4.9	4.8	1.8	0.3	+
2	1.4	1.6	3.8	7.1	8.6	7.0	8.2	4.9	4.8	1.7	0.3	
3	1.4	1.7	3.9	7.1	8.6	7.1	8.1	4.9	4.7	1.5	0.2	
4	1.4	1.7	3.9	7.3	8.6	7.0	8.0	4.9	4.7	1.4	0.2	
5	1.2	1.8	4.1	7.4	8.6	7.0	7.9	4.9	4.6	1.2	0.2	
6	1.1	1.8	4.2	7.4	8.6	6.9	7.8	4.9	4.0	1.1	0.2	
7	1.0	1.9	4.3	7.6	8.4	6.9	7.5	4.9	3.7	1.0	0.2	
8	0.9	1.9	4.4	7.7	8.4	6.8	7.2	4.7	3.5	0.9	0.2	+
9	0.9	2.0	4.5	7.9	8.2	6.7	7.0	4.5	3.2	0.8	0.2	0
10	0.9	2.2	4.7	8.0	8.1	6.7	6.9	4.4	2.9	0.7	0.2	0
11	1.0	2.2	4.7	8.0	8.1	6.7	6.7	4.2	2.7	0.7	0.2	0
12	1.0	2.2	4.8	8.2	8.0	6.6	6.5	4.0	2.7	0.7	0.2	0
13	1.0	2.3	5.0	8.3	7.9	6.6	6.3	3.9	2.6	0.7	0.2	0
14	1.1	2.3	5.0	8.3	7.9	6.4	6.1	3.8	2.6	0.7	0.2	0
15	1.1	2.4	5.2	8.5	7.9	6.4	5.9	3.9	2.5	0.7	0.2	0
16	1.1	2.4	5.3	8.6	7.9	6.3	5.7	4.0	2.3	0.7	0.2	0
17	1.2	2.4	5.4	8.6	7.9	6.0	5.7	4.2	2.5	0.7	0.2	0
18	1.2	2.5	5.5	8.8	7.8	5.6	5.6	4.2	2.4	0.7	0.1	0
19	1.2	2.5	5.7	8.9	7.8	5.3	5.5	4.3	2.4	0.7	0.1	0
20	1.3	2.6	5.7	8.9	7.8	5.7	5.4	4.4	2.4	0.7	0.1	0
21	1.2	2.7	5.9	8.8	7.8	6.1	5.3	4.5	2.4	0.7	0.1	0
22	1.2	2.7	6.0	8.9	7.6	6.5	5.2	4.6	2.4	0.7	0.1	0
23	1.3	2.8	6.1	8.8	7.5	6.9	5.2	4.6	2.5	0.7	0.1	0
24	1.3	3.0	6.2	8.9	7.4	7.3	5.2	4.8	2.5	0.7	0.1	0
25	1.4	3.1	6.3	8.9	7.2	7.7	5.1	4.9	2.5	0.7	0.1	0
26	1.4	3.1	6.4	8.9	7.1	8.1	5.2	4.9	2.4	0.5	+	0
27	1.4	3.3	6.5	8.9	7.0	8.1	5.1	5.0	2.3	0.5		0
28	1.5	3.3	6.6	8.9	7.0	8.0	5.0	5.2	2.2	0.5		0
29	1.5	3.4	6.6	8.8	7.0	8.1	5.1	5.1	2.1	0.4		0
30	1.5	3.6	6.8	8.8		8.1	5.0	5.0	1.9	0.3		0
31	1.6		6.8	3.9		8.2		5.0		0.3	+	
	38.1	73.0	163.9	256.9	229.5	213.8	187.6	142.4	89.4	25.1	4.4	+
MEAN	1.23	2.41	5.46	8.29	7.91	6.90	6.25	4.59	2.98	0.81	0.14	+
ACRE-FEET	76.	145.	325.	510.	455.	424.	372.	282.	177.	50.	8.7	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 3.89
ACRE-FEET 2820.


RISING WATER
WHITTIER NARROWS
MEAN MONTHLY FLUCTUATION
DISCHARGE IN SECOND-FEET
0
20
40
60
80
100
120
140
160
180
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DISCHARGE MEASUREMENTS OF ANTELOPE VALLEY DRAINAGE AREA

AT Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 64

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
			BIG ROCK PATROL STATION SPRING – Overflow										
	10/2	1255	WHISLER					0.02		EST.			
	10/9	1335	"					0.02		"			
	10/30	1305	"					0.04		"			
	11/7	1300	"					0.04		"			
213	11/26	1145 / 1150	FALCONE	0.80	0.14	0.57		0.08		.5	5		FC59
	12/4	1320	WHISLER					0.04		EST.			
	12/11	1158	"					0.05		"			
214	12/19	1140 / 1146	"	0.80	0.16	0.50		0.08		.5	5		FC59
	1/2	1230	"					0.10		EST.			
215	1/8	1242 / 1245	"	0.80	0.16	0.62		0.10		.5	5		FC59
	1/15	1205	"					0.10		EST.			
	1/29	1340	"					0.08		"			
	2/5	1215	"					0.08		"			
216	2/11	1205 / 1210	"	0.8	0.16	0.62		0.10		.5	5		FC59
217	2/19	1224 / 1226	"	0.8	0.16	0.62		0.10		.5	5		"
218	2/26	1145 / 1146	"	0.8	0.16	0.62		0.10		.5	5		"
219	3/4	1045 / 1047	"	0.80	0.14	0.72		0.10		.5	5		"
	3/11	1430	"					0.10		EST.			
220	3/18	1148 / 1150	"	0.80	0.16	0.50		0.08		.5	5		FC59
221	3/25	1316 / 1320	LUYENDYK – WHISLER	0.80	0.16	0.62		0.10		.5	5		"
	4/2	1025	WHISLER					0.10		EST.			
	4/8	1245	"					0.10		"			
	4/15	1302	"					0.08		"			
	4/23	1058	"					0.08		"			
222	4/29	1255 / 1300	"	0.8	0.13	0.77		0.10		.5	5		FC59
	5/6	1340	"					0.10		EST.			
	5/20	1100	"					0.02		"			
223	5/27	1254 / 1258	"	0.8	0.15	0.60		0.09		.5	5		FC59
224	6/3	1123 / 1127	"	0.8	0.15	0.53		0.08		.5	5		"
	6/10	1336	"					0.08		EST.			
	6/17	1305	"					0.06		"			
225	6/25	1412 / 1418	BOWMAN	0.7	0.13	0.46		0.06		.5	5	0	FC70
226	7/1	1400 / 1407	"	0.7	0.11	0.55		0.06		.5	5		"
227	7/8	1318 / 1323	"	0.45	0.09	0.22		0.02		.5	5		"
	7/15	1300	WHISLER					0.04		EST.			
228	7/22	1405 / 1410	"	0.8	0.15	0.87		0.13		.5	5		FC59
229	8/5	1343 / 1346	"	0.8	0.15	0.53		0.08		.5	5		"
	8/19		"					0.04		EST.			
	9/2	1415	"					0.03		"			
	9/16	1330	"					0.03		"			
	9/30	1300	"					0.03		"			

DISCHARGE MEASUREMENTS OF ANTELOPE VALLEY DRAINAGE AREA

AT Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 65

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
			OVERFLOW FROM BIG ROCK PATROL STATION SPRING										
230	11/24	1126 / 1128	LUYENDYK	0.7	0.02	1.00		0.02		.5	4		FC59
	12/2	1350	WHISLER					0.03		EST.			
231	12/10	1150 / 1152	"	0.8	0.16	0.19		0.03		.5	5		FC59
	12/16	1118	"					0.03		EST.			
	12/22	1300	"					0.03		"			
232	12/29	1248 / 1250	"	0.8	0.16	0.19		0.03		.5	5		FC59
233	1/6	1146 / 1148	"	0.8	0.16	0.19		0.03		.5	5		"
	1/13	1325	"					0.03		EST.			
234	1/20	1201 / 1205	"	0.8	0.08	0.38		0.03		.5	5		FC59
	1/27	1220	"					0.05		EST.			
235	2/3	1258 / 1300	"	0.8	0.08	0.38		0.03		.5	5		FC59
	2/10	1410	"					0.03		EST.			
236	2/17	1314 / 1319	FABER – WHISLER	0.8	0.05	0.40		0.02		.5	5		FC59
	2/24	1410	WHISLER					0.02		EST.			
	3/10	1330	"					0.02		"			
	3/17	1220	"					0.02		"			
	3/24	1220	"					0.02		"			
	4/7	1025	"					0.02		"			
	4/14	1225	"					0.02		"			
	4/21	1325	"					0.03		"			
	4/24	1330	"					0.03		EST.			
	5/5	1325	"					0.02		"			
	5/12	1300	"					0.02		"			
	5/19	1225	"					0.02		"			
	5/26	1305	"					0.02		"			
	6/2	1235	"					0.02		"			
	6/9	1225	"					0.02		"			
	6/26	1115	"					0.02		"			
	7/28	1235	"					0.02		"			
	8/4	1300	"					0.02		"			
237	8/11	1215 / 1217	"	0.8	0.08	0.25		0.02		.5	5		FC59
	8/18	1125	"					0.03		EST.			
	9/1	1330	"					0.03		"			
	9/29	1325	"					0.02		"			

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER DRAINAGE AREA

AT Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1964

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
			SANTA CLARA RIVER 1.0 Mile below Ravenna										
135	10/3	1443 1447	WHISLER	3.5	0.52	1.71		0.89	.5	5			FC59
136	11/6	1506 1512	"	4.1	0.89	1.35		1.2	.5	6			"
137	12/5	1432 1438	"	4.0	0.96	1.25		1.2	.5	7			"
138	1/3	0950 0956	"	5.0	1.24	1.21		1.5	.5	6			"
139	2/6	1406 1412	"	4.5	0.99	1.41		1.4	.5	6			"
140	3/5	1330 1335	"	4.6	1.07	1.21		1.3	.5	6			"
141	5/14	1530 1536	"	6.0	1.30	1.93		2.5	.5	7			"
142	6/4	1310 1318	"	5.5	1.25	1.04		1.3	.5	7			"
143	7/2	1045 1106	BOWMAN	CHANNELS				0.54	.5	13			FC70
144	8/13	1517 1525	SINGER – WHISLER	4.4	0.73	0.90		0.66	.5	7			FC59

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER DRAINAGE AREA

AT Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1965

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
			SANTA CLARA RIVER – 1.0 Mile below Ravenna										
145	10/8	1532 1536	WHISLER	3.6	0.54	1.09		0.59	.5	5			FC41
146	11/5	1422 1428	"	4.0	0.84	1.19		1.0	.5	5			FC59
147	12/3	1442 1448	"	4.5	1.17	1.20		1.4	.5	6			"
148	1/14	1510 1516	"	4.6	1.19	1.18		1.4	.5	6			"
149	2/8	1315 1320	"	5.0	1.24	0.97		1.2	.5	6			"
150	5/20	1540 1548	"	5.0	1.22	1.07		1.3	.5	6			"
151	7/1	1448 1454	BOWMAN	4.9	0.97	0.44		0.43	.5	7			FC64
152	8/5	1341 1344	WHISLER	3.8	0.56	1.46		0.82	.5	5			FC59
153	9/2	1113 1117	"	4.5	1.32	0.62		0.82	.5	6			"

DISCHARGE MEASUREMENTS OF SANTA MONICA MOUNTAIN – COASTAL DRAINAGE AREA

AT Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1964

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
			ARROYO SEQUIT at Mulholland Drive										
220	10/3	1410 1415	SJOSTEDT	1.2	0.13	0.31		0.04	.5	5			FC50
221	10/17	1400 1405	"	1.2	0.12	0.30		0.04	.5	5			"
222	10/24	1440 1445	"	1.2	0.12	0.25		0.03	.5	5			"
	10/31	1415	"					+	EST.				
223	11/7	1300 1305	"	1.2	0.11	0.16		0.02	.5	5			FC50
224	11/14	1300 1305	"	1.2	0.12	0.25		0.03	.5	5			"
225	11/20	1102 1107	PETERSEN	2.0	0.33	0.39		0.13	.5	5			FC55
226	11/21	1400 1405	SJOSTEDT	1.2	0.12	0.33		0.40	.5	5			FC50
	11/27	1430	"					0.04	EST.				
227	12/5	1410 1415	"	1.2	0.08	0.25		0.02	.5	5			FC50
228	12/12	1425 1430	"	1.2	0.12	0.17		0.02	.5	5			"
229	12/19	1405 1410	PETERSEN	1.6	0.18	0.11		0.02	.5	5			"
230	12/26	1210 1215	SJOSTEDT	1.6	0.22	0.18		0.04	.5	5			"
231	1/2	1030 1035	"	1.5	0.16	0.25		0.04	.5	4			"
232	1/9	1300 1305	"	0.90	0.09	0.22		0.02	.5	4			"
	1/16	1410	"					+	EST.				
233	1/23	1345 1350	"	0.9	0.09	0.44		0.4	.5	4			FC50
234	1/30	1440 1445	"	0.9	0.07	0.29		0.02	.5	4			"
235	2/13	1315 1320	"	0.9	0.09	0.33		0.03	.5	4			"
236	2/20	1320 1330	"	0.9	0.09	0.33		0.33	.5	4			"
237	2/27	1430 1435	"	0.9	0.08	0.50		0.04	.5	5			"
238	3/4	1220 1225	"	0.90	0.08	0.50		0.04	.5	4			"
	3/12	1100	SJOSTEDT – LUYENDYK					+	EST.				
239	3/19	1105 1110	SJOSTEDT	0.90	0.09	0.55		0.05	.5	4			FC50
240	3/20	1255 1300	"	0.90	0.08	0.62		0.05	.5	4			"
241	4/2	1400 1405	"	0.90	0.08	0.68		0.07	.5	4			"
242	4/9	1145 1155	"	0.90	0.08	0.62		0.05	.5	4			"
243	4/16	1300 1305	"	0.90	0.09	0.56		0.05	.5	4			"
244	4/23	1300 1305	"	0.90	0.08	0.62		0.05	.5	4			"
245	4/30	1420 1425	"	0.90	0.09	0.67		0.06	.5	5			"
246	5/8	1055 1100	"	0.90	0.09	0.67		0.06	.5	4			"
247	5/14	1435 1440	SINGER – SJOSTEDT	0.90	0.09	0.56		0.05	.5	4			"
248	5/21	1410 1415	SJOSTEDT	0.90	0.10	0.70		0.07	.5	4			"
249	5/28	1045 1050	"	0.90	0.10	0.60		0.06	.5	4			"
250	6/4	1440 1445	"	1.2	0.16	0.69		0.11	.5	5			"
251	6/11	1300 1304	PETERSEN	1.2	0.15	0.47		0.07	.5	5			"
252	6/18	1400 1404	"	1.2	0.14	0.57		0.08	.5	5			"
253	6/25	1050 1100	SJOSTEDT	1.2	0.14	0.50		0.07	.5	5			"
254	7/2	1345 1350	"	1.2	0.12	0.50		0.06	.5	5			"
255	7/9	1330 1335	MEAD – SJOSTEDT	1.0	0.10	0.30		0.03	.5	5			"
256	7/16	1420 1625	SJOSTEDT	1.2	0.11	0.36		0.04	.5	5			"
257	7/23	1350 1355	"	0.9	0.06	0.67		0.04	.5	4			"
258	7/30	1334 1337	CARPENTER – SJOSTEDT	0.9	0.08	0.25		0.02	.5	4			FC58
259	8/5	1310 1314	PETERSEN	1.0	0.08	0.25		0.02	.6	5			FC50
260	8/13	1400 1405	SJOSTEDT	0.9	0.05	0.33		0.02	.5	4			"
261	8/20	1315 1320	LUYENDYK – SJOSTEDT	1.0	0.08	0.25		0.02	.5	4			"
262	9/3	1340 1345	SJOSTEDT	0.9	0.04	0.25		0.01	.5	4			"
	9/11	1735	"					+	EST.				
	9/17	1302	LUYENDYK					+	"				
	9/24	1255	"					+	"				
			RUSTIC CANYON above Junction with Santa Monica Canyon										
	10/3	1555	SJOSTEDT					0.75	EST.				
327	10/17	1610 1620	"	3.0	0.45	0.80		0.36	.5	7			FC50
328	10/24	1230 1235	"	2.0	0.30	2.03		0.61	.5	5			"
329	10/31	1230 1235	"	2.5	0.29	1.86		0.54	.5	6			"
330	11/17	1050 1100	"	2.0	0.19	3.15		0.60	.5	5			"
331	11/14	1015 1020	"	3.0	0.18	2.78		0.50	.5	5			"
332	11/21	1130 1135	"	3.0	0.24	3.32		0.78	.5	5			"
333	11/27	1235 1240	"	3.0	0.24	4.08		0.98	.5	5			"
334	12/5	1230 1235	"	3.0	0.24	3.04		0.73	.5	5			FC50
335	12/12	1150 1200	"	3.0	0.32	2.47		0.78	.5	5			"
336	12/19	1221 1225	PETERSEN	5.0	0.45	1.4		0.63	.5	5			"
337	12/26	1510 1520	SJOSTEDT	4.0	0.38	1.84		0.70	.5	5			"
338	1/2	1330 1335	"	4.0	0.38	1.79		0.68	.5	5			"
339	1/9	1520 1530	"	4.0	0.34	2.91		0.99	.5	5			"
340	1/16	1230 1235	"	4.0	0.34	1.82		0.62	.5	5			"
	1/23	1635	"					0.70	EST.				
341	1/30	1105 1115	"	4.0	0.40	1.75		0.70	.5	6			FC50
342	2/6	1210 1220	"	4.0	0.50	1.86		0.93	.5	5			"
343	2/13	0950 1000	"	2.5	0.27	1.96		0.53	.5	6			"
344	2/20	1530 1540	"	4.0	0.45	1.42		0.64	.5	6			"
345	2/27	1230 1240	"	4.0	0.34	1.88		0.64	.5	5			"
346	3/5	1420 1430	"	5.0	0.52	1.73		0.90	.5	6			"
347	3/12	1315 1325	LUYENDYK – SJOSTEDT	6.0	0.94	1.38		1.3	.5	7			"
348	3/19	1340 1345	SJOSTEDT	4.0	0.36	2.25		0.81	.5	5			"
349	3/26	1445 1450	"	4.0	0.32	1.94		0.62	.5	5			"
350	4/2	1110 1120	"	4.0	0.36	2.39		0.86	.5	5			"
351	4/9	0920 0930	"	4.0	0.43	1.95		0.84	.5	5			"
352	4/16	1515 1520	"	3.0	0.30	2.96		0.89	.5	5			"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			RUSTIC CANYON above Junction with Santa Monica Canyon (Cont.)										
353	4/23	1435 / 1445	SJOSTEDT	5.0	0.42	1.33		0.56		.5	6		FC50
354	4/30	1235 / 1245	"	4.0	0.38	1.71		0.65		.5	5		"
355	5/8	1325 / 1335	"	2.5	0.42	2.33		0.95		.5	6		"
356	5/14	1225 / 1320	SJOSTEDT – SINGER	4.0	0.52	1.31		0.68		.5	5		"
	5/21	1215	SJOSTEDT					1.0		EST			
357	5/28	1350 / 1355	"	3.0	0.38	1.55		0.59		.5	5		FC50
358	6/4	1300 / 1305	"	4.0	0.42	1.33		0.56		.5	5		"
359	6/11	1110 / 1115	PETERSEN	4.5	0.30	2.60		0.78		.5	5		"
360	6/18	1113 / 1119	"	2.8	0.58	1.26		0.73		.5	5		"
361	6/25	1320 / 1325	SJOSTEDT	2.0	0.26	1.81		0.47		.5	5		"
362	7/2	1115 / 1120	"	2.0	0.21	2.76		0.58		.5	5		"
363	7/9	1100 / 1105	MEAD – SJOSTEDT	2.0	0.19	2.63		0.50		.5	5		"
364	7/16	1140 / 1145	SJOSTEDT	2.0	0.24	1.96		0.47		.5	5		"
365	7/23	1110 / 1115	"	3.0	0.42	1.17		0.49		.5	5		"
366	7/30	1055 / 1105	CARPENTER – SJOSTEDT	4.0	0.37	2.43		0.90		.5	5		"
367	8/5	1100 / 1106	PETERSEN	4.5	0.36	1.08		0.39		.6	6		"
368	8/13	1130 / 1140	SJOSTEDT	4.0	0.32	1.56		0.50		.5	5		"
369	8/20	1050 / 1055	LUYENDYK – SJOSTEDT	3.3	0.23	2.17		0.50		.5	6		"
370	8/27	1225 / 1230	SJOSTEDT	3.0	0.21	2.33		0.49		.5	5		"
371	9/3	1105 / 1110	"	2.5	0.28	1.96		0.55		.5	6		"
372	9/11	1230 / 1240	"	3.0	0.23	2.43		0.56		.5	5		"
373	9/16	1106 / 1110	LUYENDYK	4.0	0.32	1.31		0.42		.5	7		FC61
374	9/24	1042 / 1050	"	6.2	0.64	0.88		0.56		.5	7		"

DISCHARGE MEASUREMENTS OF SANTA MONICA MOUNTAINS COASTAL DRAINAGE AREA

AT Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1965

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			ARROYO SEQUIT at Mulholland Drive										
267	10/1	1358 / 1400	PETERSEN	0.9	0.06	0.17		0.01		.6	4		FC48H
268	10/15	1313 / 1316	"	1.2	0.09	0.33		0.03		.6	5		"
269	10/22	1321 / 1324	"	0.6	0.04	0.50		0.02		.6	4		FC73
270	10/29	1413 / 1416	"	0.9	0.10	0.20		0.02		.6	4		"
271	11/12	1330 / 1333	FABER – PETERSEN	0.9	0.05	0.20		0.01		.6	4		"
272	11/19	1346 / 1348	PETERSEN	0.6	0.04	0.50		0.02		.6	4		"
273	11/25	1308 / 1310	"	0.6	0.04	0.50		0.02		.6	4		"
274	12/3	1300 / 1302	LUYENDYK – PETERSEN	0.6	0.03	0.33		0.01		.6	4		"
275	12/17	1329 / 1330	PETERSEN	0.4	0.02	0.50		0.01		.6	3		"
276	12/23	1310 / 1313	"	0.6	0.04	0.50		0.02		.6	4		"
277	12/30	1305 / 1309	"	0.9	0.06	0.50		0.03		.6	5		"
278	1/7	1300 / 1303	"	0.9	0.04	0.25		0.01		.6	4		"
279	1/14	1325 / 1329	"	0.6	0.04	0.50		0.02		.6	4		FC48H
280	1/21	1312 / 1315	"	0.6	0.04	0.25		0.01		.6	4		FC73
281	1/28	1306 / 1309	"	0.6	0.04	0.25		0.01		.6	4		"
282	2/4	1315 / 1318	"	0.6	0.04	0.25		0.01		.6	4		"
283	2/11	1317 / 1320	"	0.6	0.04	0.25		0.01		.6	4		"
284	2/17	1320 / 1325	"	0.9	0.10	0.33		0.03		.6	5		"
285	2/25	1310 / 1313	"	0.9	0.09	0.67		0.06		.6	4		"
286	3/4	1320 / 1324	"	1.2	0.18	0.67		0.12		.6	5		"
287	3/11	1311 / 1315	PETERSEN	1.2	0.18	0.84		0.15		.6	5		FC73
288	3/18	1253 / 1301	"	1.5	0.24	0.67		0.16		.6	6		"
289	3/25	1332 / 1336	"	1.5	0.30	0.67		0.20		.6	5		"
290	4/1	1317 / 1325	"	2.8	0.79	0.90		0.71		.6	7		"
291	4/9	1137 / 1143	PETERSEN – FABER	16.4	24.6	1.03		26.4		.6	9		FC55
292	4/15	1310 / 1323	PETERSEN	16.5	10.3	0.50		5.2		.6	10		"
293	4/22	1325 / 1334	"	7.3	1.96	1.02		2.0		.6	7		"
294	4/29	1258 / 1308	"	3.5	0.95	1.05		1.0		.6	8		FC73
295	5/6	1321 / 1331	"	3.7	1.00	0.75		0.75		.6	7		"
296	5/13	1252 / 1258	"	3.5	1.00	0.66		0.66		.6	7		"
297	5/20	1310 / 1320	"	3.4	0.67	0.72		0.48		.6	8		"
298	5/27	1335 / 1345	"	3.4	0.61	0.72		0.44		.6	8		"
299	6/3	1325 / 1333	"	3.4	0.64	0.61		0.52		.6	8		"
300	6/10	1254 / 1305	"	3.3	0.55	0.76		0.42		.6	8		"
301	6/17	1259 / 1307	"	3.0	0.55	0.71		0.39		.6	7		"
302	6/24	1300 / 1309	"	3.0	0.54	0.67		0.36		.6	7		"
303	7/1	1316 / 1324	"	2.7	0.62	0.60		0.37		.6	6		"
304	7/7	1254 / 1302	"	2.1	0.38	0.82		0.31		.6	6		"
305	7/16	1240 / 1245	"	2.0	0.37	0.78		0.29		.6	5		"
306	7/23	1302 / 1305	"	1.2	0.18	1.33		0.24		.6	5		"
307	7/29	1305 / 1310	"	1.5	0.25	0.80		0.20		.6	5		"
308	8/5	1250 / 1255	"	1.5	0.23	1.04		0.24		.6	5		"
309	8/12	1255 / 1301	"	1.5	0.17	0.94		0.16		.6	5		"
310	8/19	1340 / 1345	FABER	1.5	0.16	1.06		0.17		.6	5		"
311	9/26	1220 / 1226	"	1.2	0.12	0.83		0.10		.6	5		"
312	9/2	1130 / 1136	"	1.0	0.12	0.83		0.10		.6	5		"
313	9/8	1308 / 1315	PETERSEN	1.0	0.08	0.75		0.06		.6	6		"
314	9/16	1332 / 1336	"	1.1	0.12	0.50		0.06		.6	5		"
315	9/23	1315 / 1319	"	1.0	0.08	0.63		0.05		.6	5		"
316	9/30	1312 / 1317	"	1.0	0.06	0.50		0.03		.6	5		"
			RUSTIC CANYON above Junction with Santa Monica Canyon										
375	10/1	1125 / 1130	PETERSEN	4.0	0.35	1.14		0.40		.6	5		FC48H
376	10/8	1006 / 1012	"	3.0	0.22	1.41		0.31		.6	5		"
377	10/15	1014 / 1020	"	3.0	0.33	1.57		0.52		.6	6		"
378	10/22	1103 / 1108	"	2.7	0.24	1.67		0.40		.6	5		FC73
379	10/29	1235 / 1240	"	4.0	0.34	1.09		0.37		.6	6		"
380	11/5	1125 / 1135	FABER – PETERSEN	4.0	0.38	1.00		0.38		.6	6		"
381	11/12	1116 / 1128	" "	4.0	0.33	1.55		0.51		.6	5		"
382	11/19	1108 / 1114	PETERSEN	3.3	0.23	2.13		0.49		.6	5		"
383	11/25	1055 / 1059	"	4.0	0.31	1.26		0.39		.6	5		"
384	12/3	1102 / 1108	LUYENDYK – PETERSEN	5.0	0.49	0.98		0.48		.6	6		"
385	12/10	1028 / 1034	PETERSEN	5.0	0.49	1.12		0.55		.6	5		"
386	12/17	1104 / 1110	"	5.5	0.48	0.71		0.34		.6	6		"
387	12/23	1021 / 1027	"	5.5	0.58	1.00		0.58		.6	6		"
388	12/30	1051 / 1101	"	5.5	0.57	1.44		0.82		.6	7		"
389	1/7	1048 / 1052	"	5.2	0.48	2.00		0.96		.6	5		"
390	1/14	1104 / 1110	CARPENTER – PETERSEN	6.9	0.60	1.07		0.64		.6	6		FC48H
391	1/21	1105 / 1110	PETERSEN	6.7	0.55	1.05		0.58		.6	6		FC73

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			RUSTIC CANYON above Junction with Santa Monica Canyon (Continued)										
392	1/28	1045 1049	PETERSEN	6.6	0.45	1.09		0.49		.6	5		FC73
393	2/4	1100 1104	"	6.1	0.40	1.62		0.65		.6	5		"
394	2/11	1040 1045	"	6.0	0.43	1.63		0.70		.6	6		"
395	2/17	1043 1048	"	6.0	0.41	1.42		0.58		.6	5		"
396	2/25	1059 1103	"	6.0	0.45	1.09		0.42		.6	5		"
397	3/4	1105 1110	"	6.0	0.50	1.20		0.60		.6	5		"
398	3/11	1043 1049	"	6.0	0.52	1.13		0.59		.6	6		"
399	3/18	1040 1046	"	5.5	0.58	1.16		0.67		.6	6		"
400	3/25	1037 1045	"	6.0	0.57	0.81		0.46		.6	7		"
401	4/1	1056 1001	PETERSEN – FABER	6.0	0.68	3.09		2.1		.6	5		"
402	4/15	1045 1049	PETERSEN	7.0	0.55	3.09		1.7		.6	5		"
403	4/22	1050 1057	"	7.0	1.08	1.67		1.8		.6	6		"
404	4/29	1040 1046	"	5.5	0.61	1.54		0.94		.6	6		"
405	5/6	1036 1043	"	4.5	0.43	2.32		1.0		.6	7		"
406	5/13	1023 1028	"	5.0	0.54	2.04		1.1		.6	5		"
407	5/20	1031 1041	"	7.4	1.03	1.26		1.3		.6	7		"
408	5/27	1035 1045	"	5.2	0.58	1.28		0.74		.6	8		"
409	6/3	1057 1103	"	7.3	0.49	1.49		0.73		.6	6		"
410	6/10	1047 1053	"	4.5	0.50	2.63		0.79		.6	5		"
411	6/17	1046 1052	"	4.0	0.49	2.24		1.1		.6	6		"
412	6/24	1053 1058	"	6.5	0.30	1.20		0.60		.6	6		"
413	7/1	1053 1059	"	5.5	0.39	1.44		0.56		.6	5		"
414	7/7	1006 1012	"	6.5	0.41	1.65		0.76		.6	6		"
415	7/16	1018 1023	"	4.5	0.55	1.13		0.62		.6	6		"
416	7/23	1034 1043	"	3.0	0.39	1.08		0.42		.6	7		"
417	7/29	1015 1022	"	3.5	0.41	1.32		0.54		.6	7		"
418	8/5	1043 1049	"	4.5	0.58	1.40		0.81		.6	6		"
419	8/12	1007 1013	"	5.0	0.45	1.31		0.59		.6	6		"
420	8/19	1125 1135	FABER	4.5	0.49	1.24		0.61		.6	6		"
421	8/26	1024 1034	"	5.0	0.69	1.13		0.78		.6	7		"
422	9/2	0945 0955	"	5.6	0.74	0.78		0.58		.6	6		"
423	9/8	1050 1055	PETERSEN	4.0	0.32	1.50		0.48		.6	6		"
424	9/16	1046 1052	"	4.7	0.42	0.91		0.38		.6	7		"
425	9/23	1024 1029	"	5.0	0.46	1.13		0.52		.6	5		"
426	9/30	1009 1019	"	5.0	0.43	0.65		0.28		.6	8		"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER DRAINAGE AREA

AT Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1964

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			PACOIMA CREEK near Dam Tender's House										
26	6/3	1412 1434	HYDE – VERNER	14.5	6.57	2.51		16.5		.6	15		FC58
			PACOIMA CREEK above Pacoima Dam (Inflow)										
122	12/19	1350 1356	HYDE	1.6	0.25	0.64		0.16		.5	5		FC60
123	2/14	1550 1555	"	2.3	0.45	0.47		0.21		.5	6		"
124	3/26	1530 1535	"	1.5	0.45	0.89		0.40		.5	6		"
125	4/16	1425 1435	LUYENDYK – HYDE	3.5	0.80	1.13		0.90		.5	8		"
126	4/23	1444 1452	MEAD – HYDE	3.5	0.84	1.43		1.2		.5	8		"
127	5/7	1518 1526	HYDE	3.6	0.91	0.98		0.89		.5	8		FC58
128	6/25	1540 1548	HYDE – LINDSAY	2.7	0.38	0.37		0.14		.6	7		FC60

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			BIG TUJUNGA CREEK below Big Tujunga Dam (Outflow)										
249	10/10	1345 1403	HYDE	8.7	3.42	1.69		5.8		.6	12		FC40
250	10/17	1315 1330	"	8.7	3.50	1.48		5.2		.6	14		FC58
251	10/31	1100 1118	"	9.0	3.59	1.39		5.0		.6	13		"
252	5/22	1123 1135	"	7.7	4.05	1.80		7.3		.6	10		"
253	5/28	1054 1104	"	6.6	3.95	1.97		7.8		.6	8		"
254	6/4	1052 1110	"	7.5	3.91	1.68		6.6		.6	10		"
255	6/11	1055 1110	"	8.5	3.78	1.80		6.8		.6	11		"
256	6/18	1238 1252	"	9.0	4.36	1.56		6.8		.6	12		"
257	6/25	1255 1330	HYDE – LINDSAY	9.1	4.10	1.51		6.2		.6	12		"
258	7/2	1328 1340	HYDE	8.8	3.64	1.70		6.2		.6	10		"
259	7/9	1442 1452	FALCONE – HYDE	7.0	3.48	1.66		5.8		.6	8		"
260	7/16	1210 1225	FALCONE	6.8	3.63	1.76		6.4		.6	9		"
261	7/16	1500 1520	"	6.9	3.76	1.70		6.4		.6	9		"
262	7/23	0922 0935	"	6.5	5.07	2.23		11.3		.6	10		"
263	7/23	1125 1137	"	5.6	4.87	2.20		10.7		.6	10		FC24
264	7/30	1320 1335	"	6.4	4.90	1.96		9.6		.6	11		"
265	8/6	1142 1200	HYDE	8.3	5.84	1.75		10.2		.6	11		FC58
266	8/13	1054 1112	CARPENTER – HYDE	7.8	4.46	1.75		7.8		.6	10		"
267	8/14	1352 1415	HYDE	9.0	6.95	2.03		14.1		.6	12		"
268	8/14	1428 1448	"	9.0	7.13	2.01		14.3		.6	12		"
269	8/17	0900 0916	"	9.3	6.93	1.52		10.5		.6	12		"
270	8/20	1014 1030	"	8.9	4.79	1.65		7.9		.6	11		"
			BIG TUJUNGA CREEK – L.A.W.D. Diversion to Spreading Grounds										
124	10/3	1500 1518	HYDE	4.0	2.29	1.84		4.2		.6	11		FC40
125	10/10	1600 1616	HYDE – BERMAN	4.0	2.41	1.49		3.6		.6	9		"
126	10/24	1306 1316	HYDE – SOLOMON	4.0	2.97	1.45		4.3		.6	9		FC58
127	10/31	1545 1557	"	4.0	2.53	1.26		3.2		.6	10		"
128	2/5	1448 1458	HYDE	4.0	1.36	0.88		1.2		.6	7		FC60
129	3/5	1500 1510	"	4.0	1.49	0.32		0.48		.5	7		"
130	5/28	1500 1512	"	4.0	2.36	1.95		4.6		.6	7		FC58
131	6/4	1552 1604	"	4.0	2.54	1.85		4.7		.6	7		"
132	7/2	1525 1540	"	4.0	2.96	1.15		3.4		.6	7		"
133	7/9	1604 1615	FALCONE – HYDE	4.0	2.88	0.87		2.5		.6	9		"
134	7/16	1620 1635	FALCONE	5.0	3.47	0.92		3.2		.6	9		FC60
135	7/23	1700 1710	"	4.2	2.74	0.88		2.4		.6	12		"
136	7/30	1625 1635	"	4.0	2.77	2.16		6.0		.6	9		"
137	8/6	1446 1456	HYDE – BOWMAN	4.0	3.33	2.01		5.7		.6	7		FC58
138	8/13	1400 1412	CARPENTER – HYDE	4.0	3.10	1.61		5.0		.6	10		"
			BIG TUJUNGA CREEK above Oro Vista Street										
78	10/4	1610 1616	HYDE	2.0	0.39	1.28		0.50		.5	5		FC40
79	10/24	1420 1426	"	2.5	0.44	1.59		0.70		.5	6		FC60
80	2/5	1525 1531	"	CHANNELS				0.26		.5	4		"
81	2/20	1600 1604	"	"				0.18		.5	4		"
82	3/5	1558 1602	"	"				0.10		.5	5		"
	5/28	1540	"					0					
83	8/13	1515 1525	CARPENTER HYDE	3.0	0.80	1.25		1.0		.6	8		FC60

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			ARROYO SECO below Millard Creek										
141	1/21	1046 / 1056	WOOD – CARPENTER	22.0	14.9	2.71		40.3		.5 / .6	13		FC57
			ARROYO SECO below Devil's Gate Dam										
393	10/4	1527 / 1533	WOOD	3.3	1.02	2.94		3.0		.5	8		FC57
	10/10	1245	"					0.02		EST.			
394	10/30	1430 / 1435	"	1.0	0.17	1.12		0.19		.5	5	0	FC53
395	11/6	1216 / 1221	"	1.9	0.22	0.82		0.18		.5	7		"
396	11/13	1403 / 1407	"	1.2	0.10	0.90		0.09		.5	6		"
397	11/21	1320 / 1325	"	1.7	0.16	1.38		0.22		.5	7		"
398	11/27	1240 / 1245	"	1.7	0.28	0.89		0.25		.5	7		"
399	12/5	1246 / 1251	"	1.5	0.18	1.22		0.22		.5	7		"
400	12/11	1255 / 1300	"	1.5	0.25	0.80		0.20		.5	6		"
401	12/18	1140 / 1145	"	1.8	0.28	0.82		0.23		.5	7		"
402	12/26	1000 / 1006	"	1.6	0.19	0.85		0.16		.5	7		"
403	1/2	1325 / 1330	"	1.6	0.19	0.74		0.14		.5	6		"
404	1/8	1356 / 1402	"	1.5	0.17	0.65		0.11		.5	6		"
405	1/6	1350 / 1355	"	1.3	0.12	0.50		0.06		.5	6		"
406	1/23	0937 / 0940	"	1.3	0.16	0.51		0.09		.5	5		"
407	1/29	1515 / 1520	"	1.3	0.12	0.84		0.10		.5	6		"
408	2/5	1345 / 1350	"	1.3	0.13	0.77		0.10		.5	6		"
409	2/13	1052 / 1056	"	1.0	0.12	1.08		0.13		.5	5		"
410	2/19	1336 / 1340	"	1.0	0.13	0.69		0.09		.5	5		"
411	2/28	0948 / 0952	"	1.3	0.20	0.75		0.15		.5	6		"
412	3/4	1525 / 1528	"	1.0	0.09	0.78		0.07		.5	5		"
413	3/11	1335 / 1340	"	1.0	0.07	0.86		0.06		.5	5		"
414	3/18	1123 / 1127	"	1.3	0.18	0.44		0.08		.5	6		"
415	3/25	1250 / 1255	"	1.5	0.16	0.56		0.09		.5	7		"
416	4/2	1028 / 1032	"	1.0	0.06	0.67		0.04		.5	5		"
417	4/8	1330 / 1335	"	1.4	0.08	0.88		0.07		.5	6		"
418	4/15	1117 / 1122	"	1.3	0.11	0.64		0.07		.5	6		"
419	4/22	1430 / 1435	"	1.2	0.08	0.88		0.07		.5	6		"
420	4/29	1105 / 1110	"	1.3	0.10	0.60		0.06		.5	6		"
421	5/14	1330 / 1335	"	1.2	0.07	0.72		0.05		.5	6		"
422	5/20	1355 / 1357	FALCONE – WOOD	0.9	0.05	1.00		0.05		.5	3		"
423	5/27	1345 / 1348	FALCONE	1.0	0.06	1.00		0.06		.5	3		"
424	6/3	1132 / 1136	WOOD	1.0	0.06	0.50		0.03		.5	5		"
425	6/17	1536 / 1540	"	0.7	0.04	0.50		0.02		.5	4		"
			ARROYO SECO–PASADENA WATER DEPARTMENT TUNNEL below Devil's Gate Dam										
333	10/2	1310	WOOD	(GAGE HEIGHT = HEAD IN INCHES)			4.8	0.26	90° V-NOTCH WEIR				
334	10/10	1240	"	"	"	"	4.8	0.26		"	"	"	
335	10/17	1555	"	"	"	"	4.7	0.24		"	"	"	
336	10/30	1420	"	"	"	"	5.2	0.31		"	"	"	
337	11/6	1210	"	"	"	"	5.1	0.30		"	"	"	
338	11/13	1355	"	"	"	"	5.3	0.33		"	"	"	
339	11/21	1310	"	"	"	"	4.9	0.27		"	"	"	
340	11/27	1235	"	"	"	"	5.5	0.36		"	"	"	
341	12/5	1238	"	"	"	"	5.6	0.38		"	"	"	

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			ARROYO SECO–PASADENA WATER DEPARTMENT TUNNEL below Devil's Gate Dam (Cont.)										
342	12/11	1245	WOOD	(GAGE HEIGHT = HEAD IN INCHES)			5.9	0.43	90° V-NOTCH WEIR				
343	12/18	1330	"	"	"	"	4.7	0.24		"	"	"	
344	12/26	0950	"	"	"	"	5.0	0.28		"	"	"	
345	1/2	1315	"	"	"	"	5.3	0.33		"	"	"	
346	1/8	1345	"	"	"	"	5.0	0.28		"	"	"	
347	1/16	1345	"	"	"	"	5.0	0.28		"	"	"	
348	2/5	1335	"	"	"	"	5.2	0.31		"	"	"	
349	2/13	1041	"	"	"	"	5.7	0.39		"	"	"	
350	2/19	1325	"	"	"	"	5.8	0.41		"	"	"	
351	2/28	0935	"	"	"	"	5.3	0.33		"	"	"	
352	3/4	1510	"	"	"	"	5.0	0.28		"	"	"	
353	3/11	1320	"	"	"	"	5.2	0.31		"	"	"	
354	3/25	1240	"	"	"	"	5.7	0.39		"	"	"	
355	4/2	1020	"	"	"	"	6.5	0.55		"	"	"	
356	4/8	1315	"	"	"	"	5.3	0.33		"	"	"	
357	4/15	1105	"	"	"	"	5.7	0.39		"	"	"	
358	4/22	1420	"	"	"	"	5.6	0.38		"	"	"	
359	4/29	1055	"	"	"	"	6.0	0.45		"	"	"	
360	5/6	1510	"	"	"	"	5.7	0.39		"	"	"	
361	5/14	1320	"	"	"	"	5.7	0.39		"	"	"	
362	5/20	1350	WOOD – FALCONE	"	"	"	5.5	0.36		"	"	"	
363	6/3	1125	WOOD	"	"	"	5.7	0.39		"	"	"	
364	6/10	1320	"	"	"	"	5.7	0.39		"	"	"	
365	6/17	1525	"	"	"	"	5.5	0.36		"	"	"	
366	6/25	1430	"	"	"	"	5.5	0.36		"	"	"	
367	6/29	0915	"	"	"	"	5.1	0.30		"	"	"	
368	7/1	1200	"	"	"	"	5.0	0.28		"	"	"	
369	7/6	1400	"	"	"	"	4.6	0.23		"	"	"	
370	7/8	1230	"	"	"	"	4.6	0.23		"	"	"	
371	7/15	1045	"	"	"	"	4.4	0.21		"	"	"	
372	7/22	1030	"	"	"	"	4.2	0.18		"	"	"	
373	7/29	1015	"	"	"	"	4.1	0.17		"	"	"	
374	8/6	1540	"	"	"	"	4.0	0.16		"	"	"	
375	8/12	1540	"	"	"	"	3.5	0.12		"	"	"	
376	9/3	1600	"	"	"	"	3.0	0.08		"	"	"	
377	9/10	1145	"	"	"	"	2.9	0.07		"	"	"	
378	9/17	1410	"	"	"	"	2.9	0.07		"	"	"	
379	9/24	1500	"	"	"	"	2.7	0.06		"	"	"	
			LOS ANGELES RIVER above Sixth Street										
10	2/3	1300 / 1320	BONADIMAN	16.8	4.59	1.44		6.6		.6	11		FC61
11	3/18	1125 / 1140	"	16.5	3.39	1.74		5.9		.6	8		"
12	5/13	1100 / 1115	"	16.0	3.82	1.33		5.1		.6	10		"
13	6/29	1035 / 1050	"	16.5	3.90	1.25		4.9		.5	11		FC19
14	8/19	1100 / 1110	"	18.3	5.43	1.33		7.2		.6	8		FC61
15	8/31	1055 / 1105	"	17.5	4.80	1.12		5.4		.6	7		"
16	9/10	1440 / 1450	SJOSTEDT	17.2	4.14	1.54		6.4		.5	8		FC50
17	9/17	1500 / 1510	"	18.2	4.68	1.76		8.2		.5	7		"
18	9/25	1540 / 1550	"	18.0	4.76	0.50		2.4		.5	8		"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER DRAINAGE AREA

AT Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1965

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			LOS ANGELES RIVER INFLOW above Pacific Coast Highway										
12	10/3	1250 / 1300	BONADIMAN	4.0	3.15	1.77	0.70	5.6		.6	7		FC19
13	10/9	1510 / 1520	"	4.0	2.77	1.59	0.65	4.4		.6	7		"
14	10/23	1300 / 1310	"	4.0	2.86	1.82	0.70	5.2		.6	7		FC46
	10/31	1330	"				0.65	4.5		EST.			
15	11/29	1015 / 1025	"	4.0	3.04	2.07	0.85	6.3		.6	7		FC19
16	12/26	1252 / 1300	"	4.0	3.25	1.91	1.20	6.2		.6	6		"
17	3/19	1420 / 1430	"	4.0	2.25	1.96	0.80	4.4		.6	6		"
18	6/4	1355 / 1405	"	4.0	2.36	2.12	0.75	5.0		.6	7	0	"
19	8/6	1515 / 1525	"	4.0	2.23	2.01	0.80	4.5		.6	5		"
20	8/13	1420 / 1435	"	5.8	2.42	1.98	0.80	4.8		.6	7	0	"
21	8/20	1350 / 1400	"	4.0	1.75	2.34	0.65	4.1		.6	7	0	
22	9/10	0950 / 1000	SJOSTEDT	6.0	3.00	1.40		4.2		.5	7		FC50
23	9/17	0940 / 0950	"	6.0	3.40	1.38		4.7		.6	7		"
	9/25	1100	"					5.0		EST.			
			LAGUNA CREEK above Blanchard Street										
130	10/9	0925 / 0935	BONADIMAN	24.0	3.42	0.53	0.85	1.81		.5	10	0	FC61
131	10/23	0850 / 0900	"	3.0	1.25	0.46		0.57		.6	6	0	"
132	12/27	0925 / 0935	"	1.8	0.52	1.15		0.61		.6	7	0	
133	2/3	1055 / 1105	"	3.5	0.86	0.81		0.70		.6	6	0	"
134	2/19	0910 / 0920	"	3.2	0.79	0.57		0.45		.5	7	0	"
135	3/18	0920 / 0932	"	4.0	1.29	0.41		0.53		.6	7	0	"
136	5/13	0920 / 0930	"	2.7	1.02	0.55		0.56		.6	7	0	"
137	6/5	1045 / 1055	"	3.2	0.70	0.81		0.57		.6	6	0	"
138	6/29	0910 / 0925	"		CHANNELS			0.46		.5	10	0	"
139	7/10	0930 / 0950	"		"			0.74		.5	14		"
140	8/19	0900 / 0915	"		"			0.07		.6	8		"
141	8/31	0900 / 0920	"		"			0.40		.5	13	0	"
142	9/17	1355 / 1405	SJOSTEDT		"			0.92		.5	15		FC50
			LAGUNA CREEK above D. D. I. No. 26										
39	10/9	0955 / 1005	BONADIMAN	2.3	7.00	0.57		0.38		.5	6		FC61
40	10/23	0915 / 0920	"	2.6	0.33	0.79		0.26		.6	5		"
41	12/27	0955 / 1005	"	2.6	0.40	0.75		0.32		.6	7		"
42	2/3	1130 / 1140	"	2.7	0.54	0.59		0.32		.5	7		"
43	2/19	0945 / 0955	"	2.7	0.46	0.70		0.32		.5	7		"
44	3/18	0945 / 0955	"	2.5	0.52	0.67		0.35		.6	6		"
45	5/13	0945 / 0955	"	2.5	0.31	1.16		0.36		.6	6		"
46	6/5	1105 / 1115	"	2.7	0.56	0.59		0.33		.6	5		"
	7/15	1010	"					0.05		EST.			
47	8/31	0950 / 0954	"	1.0	0.08	1.25		0.10		.5	3	0	FC61
48	9/17	1415 / 1420	SJOSTEDT	2.5	0.15	0.53		0.08		.5	6		FC50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			PACOIMA CREEK above Pacoima Dam (Inflow)										
129	11/27	1300 / 1306	HYDE	2.5	0.36	0.36		0.13		.6	6		FC60
130	1/14	1410 / 1416	"	2.2	0.41	0.51		0.21		.6	6		"
131	4/15	0942 / 1002	"	19.0	9.15	1.92		17.6		.6	18		FC40
132	4/21	0845 / 0902	"	18.1	7.39	1.58		11.7		.6	15		"
133	4/28	0900 / 0916	"	13.0	5.12	1.05		5.4		.6	13		"
134	5/5	0905 / 0915	"	5.2	2.19	1.73		3.8		.6	8		"
135	5/19	0845 / 0855	"	4.7	1.42	1.20		1.7		.6	8		"
136	5/26	0855 / 0905	"	4.7	1.30	1.23		1.6		.6	7		"
137	6/2	0852 / 0858	"	4.0	0.87	0.99		0.88		.6	6		"
138	6/9	0844 / 0851	"	4.5	1.07	1.12		1.2		.6	8		"
139	6/16	0850 / 0858	"	4.0	0.72	0.89		0.64		.6	6		"
140	6/23	0855 / 0901	"	2.8	0.46	0.94		0.43		.6	6		"
141	7/2	1610 / 1615	"	1.5	0.20	0.90		0.18		.6	4		"
142	7/15	1558 / 1602	"	1.6	0.16	0.81		0.13		.6	4		FC60
143	7/29	1510 / 1515	FABER – HYDE	1.0	0.09	1.00		0.09		.6	4		"
			PACOIMA CREEK below Dam Tender's House										
27	5/13	1022 / 1032	MC BRIDE – VERNER	7/5	2.14	1.45		3.1		.5	10		FC33
28	5/13	1044 / 1053	"	7.8	2.31	1.38		3.2		.5	10		"
29	5/19	1048 / 1100	HYDE – BARR	7.5	2.03	1.43		2.9		.6	10		FC40
30	6/9	1058 / 1111	HYDE – VERNER	4.2	2.75	1.31		3.5		.6	7		"
			BIG TUJUNGA CREEK below Big Tujunga Dam (Outflow)										
271	5/10	1454 / 1504	HYDE – FABER	6.1	1.81	2.82		5.1		.6	8		FC40
272	5/12	1332 / 1350	MC BRIDE	6.2	2.01	1.84		3.7		.5	13		FC33
273	5/20	1430 / 1440	HYDE	6.3	2.04	1.86		3.8		.6	8		FC40
274	5/27	1350 / 1400	"	6.7	1.92	1.72		3.3		.6	8		"
275	6/3	1440 / 1455	"	6.6	2.25	1.60		3.6		.6	8		"
276	6/10	1422 / 1434	"	5.9	2.60	1.62		4.2		.6	9		"
277	6/17	1400 / 1413	"	6.2	3.04	1.35		4.1		.6	9		"
278	6/24	1500 / 1512	"	5.9	3.06	1.30		4.0		.6	9		"
279	7/2	1410 / 1425	"	5.5	3.13	1.34		4.2		.6	9		"
280	7/8	0930 / 0944	"	5.6	3.04	1.31		4.0		.6	10		"
281	7/15	0930 / 0942	"	5.5	2.67	1.53		4.1		.6	9		"
282	7/22	0930 / 0944	"	5.6	2.78	1.44		4.0		.6	9		"
283	7/29	0955 / 1015	FABER – HYDE	5.7	2.85	1.33		3.8		.6	8		"
284	7/29	1016 / 1036	"	5.7	2.87	1.46		4.2		.6	9		"
285	8/5	1128 / 1140	HYDE	6.2	2.72	1.43		3.9		.6	10		"
286	8/12	1128 / 1140	"	6.1	2.74	1.39		3.8		.5	10		"
287	8/19	1055 / 1110	"	6.3	2.66	1.50		4.0		.6	10		"
288	8/20	0812 / 0830	"	7.2	3.81	2.20		8.4		.6	13		"
289	8/26	1050 / 1110	"	7.0	3.60	2.25		8.1		.6	12		"
290	9.8	0955 / 1015	"	7.7	3.97	1.89		7.5		.6	12		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. NT. CHANGE TOTAL	METER NO.
			BIG TUJUNGA CREEK below Big Tujunga Dam (Outflow) Continued										
291	9/23	1020 / 1033	FABER	8.0	3.47	1.93		6.7		.6	7		FC58
292	9/30	1210 / 1230	"	8.0	3.35	2.06		6.9		.6	9		"
			BIG TUJUNGA CREEK – L.A.W.D. Diversion to Spreading Grounds										
139	7/15	1420 / 1430	HYDE	3.0	1.20	1.58		1.9		.6	6		FC40
140	9/8	1355 / 1405	"	4.0	3.16	1.62		5.1		.6	8		"
			BIG TUJUNGA CREEK above Oro Vista Street										
84	5/27	1600 / 1606	HYDE	2.0	0.32	1.19		0.38		.6	5		FC60
85	6/17	1612 / 1616	"	1.3	0.33	0.79		0.26		.6	4		FC40
	8/26	1430	"					0		EST.			
			ARROYO SECO below Devil's Gate Dam										
	10/29	1510	WOOD – CARPENTER					0.10		EST.			
426	11/5	1331 / 1338	WOOD	1.2	0.11	1.45		0.16		.5	6		FC53
427	11/12	1103 / 1110	WOOD – CARPENTER	2.5	0.42	0.83		0.35		.5	8		"
428	11/19	1325 / 1331	WOOD	1.3	0.21	1.19		0.25		.5	6		"
429	12/3	1345 / 1354	"	1.8	0.26	0.92		0.24		.5	8		"
430	12/18	1109 / 1115	"	1.5	0.15	1.00		0.15		.5	7		"
431	12/23	1255 / 1304	"	1.9	0.18	1.06		0.19		.5	8		"
432	12/28	1503 / 1509	"	1.6	0.17	1.30		0.22		.5	7		"
433	12/30	1325 / 1337	"	2.0	0.16	1.25		0.20		.5	8		"
434	1/14	1015 / 1020	SINGER – WOOD	1.3	0.14	1.28		0.18		.5	5		"
435	1/21	1448 / 1455	WOOD	1.8	0.13	1.15		0.15		.5	7		"
436	1/28	0955 / 1001	"	1.4	0.12	0.83		0.10		.5	6		"
437	2/4	1016 / 1024	FABER – WOOD	1.5	0.16	0.88		0.14		.5	6		"
438	2/11	1435 / 1440	WOOD	1.6	0.10	1.20		0.12		.5	7		"
439	2/25	1218 / 1221	"	1.1	0.09	0.78		0.07		.5	5		"
440	3/11	1255 / 1300	"	1.4	0.10	1.00		0.10		.5	6		"
441	3/18	1000 / 1005	"	1.3	0.12	1.17		0.14		.5	6		"
442	3/25	1145 / 1148	"	1.1	0.10	1.10		0.11		.5	5		"
443	4/1	0850 / 0855	CARPENTER – WOOD	1.5	0.10	1.20		0.12		.5	6		"
444	4/15	1005 / 1010	WOOD	1.6	0.19	1.00		0.19		.5	7		"
445	4/22	1305 / 1312	"	1.9	0.20	0.95		0.19		.5	8		"
446	5/13	1243 / 1249	"	1.9	0.19	1.16		0.22		.5	8		"
447	5/20	1302 / 1308	"	1.8	0.21	1.24		0.26		.5	8		"
448	5/27	0950 / 0956	"	1.9	0.22	1.22		0.27		.5	8		"
449	6/10	1238 / 1243	"	1.7	0.16	1.06		0.17		.5	7		"
450	6/17	1015 / 1022	"	1.8	0.18	1.11		0.20		.5	8		"
451	6/24	1302 / 1312	CARPENTER	2.1	0.27	1.00		0.27		.5	8		"
452	7/2	1540 / 1546	WOOD	1.6	0.16	1.19		0.19		.5	7		"
453	7/8	1005 / 1011	"	1.6	0.14	0.86		0.12		.5	7		"
454	7/9	1342 / 1355	WOOD – GARRISON	14.3	5.56	4.20		23.3		.5	15		FC34
455	7/9	1450 / 1505	WOOD	14.7	6.25	3.82		23.9		.5 .6	15		"
456	7/9	1540 / 1550	"	16.5	8.06	4.21		33.9		.5 .6	17		"
457	7/11	1058 / 1113	"	9.6	6.75	1.87		12.6		.5 .6	13		"
458	7/12	0953 / 1011	"	15.2	12.3	2.88		35.4		.5 .6	17		"
459	7/12	1138 / 1155	"	21.0	17.0	6.18		105.		.6	22		"
460	9/30	1410 / 1415	"	1.5	0.11	1.00		0.11		.5	7		FC53

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. NT. CHANGE TOTAL	METER NO.
			ARROYO SECO–PASADENA WATER DEPARTMENT TUNNEL below Devil's Gate Dam										
380	10/1	1550	WOOD	90° V-NOTCH WEIR			2.7"	0.06					
381	10/15	1550	"	"	"	"	2.7"	0.06					
382	10/22	1420	"	"	"	"	2.8"	0.07					
383	10/29	1550	WOOD – CARPENTER	"	"	"	2.9"	0.07					
384	11/5	1315	WOOD	"	"	"	3.4"	0.11					
385	11/12	1055	"	"	"	"	4.5"	0.22					
386	11/19	1315	"	"	"	"	4.2"	0.18					
387	11/25	1245	"	"	"	"	4.7"	0.24					
388	12/3	1335	"	"	"	"	4.7"	0.24					
389	12/10	1320	"	"	"	"	5.0"	0.28					
390	12/18	1055	"	"	"	"	4.7"	0.24					
391	12/23	1245	"	"	"	"	5.0"	0.28					
392	12/30	1315	"	"	"	"	5.0"	0.28					
393	1/14	1005	"	"	"	"	5.2"	0.31					
394	1/21	1430	"	"	"	"	5.4"	0.34					
395	1/28	0945	"	"	"	"	5.3"	0.33					
396	2/4	1010	"	"	"	"	5.2"	0.31					
397	2/11	1420	"	"	"	"	5.0"	0.28					
398	2/19	1255	"	"	"	"	5.1"	0.30					
399	2/25	1205	"	"	"	"	5.1"	0.30					
400	3/4	1115	"	"	"	"	5.1"	0.30					
401	3/11	1235	"	"	"	"	5.1"	0.30					
402	3/25	1135	"	"	"	"	4.4"	0.21					
403	4/1	0845	WOOD – CARPENTER	"	"	"	4.2"	0.18					
404	4/15	0955	WOOD	"	"	"		0.01					
405	4/22	1255	"	"	"	"	4.2"	0.18					
406	5/13	1230	"	"	"	"	3.9"	0.15					
407	5/20	1250	"	"	"	"	3.3"	0.10					
408	5/27	0940	"	"	"	"	3.3"	0.10					
409	6/10	1230	"	"	"	"	2.9"	0.07					
410	6/17	1005	"	"	"	"	2.5"	0.05					
411	6/24	1251	CARPENTER	"	"	"		0.04					
412	7/2	1530	WOOD	"	"	"	2.5"	0.05					
413	7/8	0950	"	"	"	"	2.5"	0.05					
414	7/15	1410	"	"	"	"	2.1"	0.03					
415	7/22	1235	CARPENTER	"	"	"		0.02					
416	7/29	1515	WOOD	"	"	"	1.8"	0.02					
	8/12	1400	"				1.8"	0.02		EST.			
417	8/19	0820	CARPENTER	90° V-NOTCH WEIR			1.6	0.02					
418	9/2	1410	WOOD	"	"	"		0.01					
419	9/16	1525	"	"	"	"		0.02					
420	9/30	1425	"	"	"	"		0.02					

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			LOS ANGELES RIVER above Sixth Street										
19	10/1	1450 1500	SJOSTEDT	18.0	5.35	1.20		6.4		.5	8		FC65
20	10/8	1300 1310	"	5.5	2.87	1.08		3.1		.5	7		"
21	10/8	1600 1610	"	18.5	5.41	1.16		6.3		.5	7		"
22	10/16	1110 1120	"	18.0	4.06	1.03		4.2		.5	7		"
23	10/22	1445 1455	"	18.0	4.09	1.66		6.8		.5	7		FC50H
24	11/19	1605 1615	"	18.0	4.72	1.65		7.8		.6	7		FC65
25	11/25	1600 1610	"	17.7	3.72	1.16		4.3		.5	7		"
26	12/3	1610 1620	"	18.8	5.98	1.07		6.4		.5	7		"
27	12/17	1435 1445	"	18.5	8.05	0.99		8.0		.6	8		"
28	12/23	1450 1500	FABER – SJOSTEDT	17.7	4.67	1.39		6.5		.6	7		"
29	1/14	1425 1435	SJOSTEDT	17.5	4.09	1.17		4.8		.5	7		"
30	1/28	1115 1125	"	17.7	3.64	1.07		3.9		.5	7		"
31	2/4	1410 1420	"	17.5	3.83	1.25		4.8		.5	7		"
32	2/25	1415 1425	"	17.5	3.89	1.31		5.1		.5	7		"
33	3/4	1250 1300	"	17.7	4.02	1.39		5.6		.5	7		"
34	3/18	1515 1525	"	17.5	4.19	2.27		9.5		.6	7		FC50
35	3/25	1340 1350	"	18.0	4.02	1.39		5.6		.6	7		FC65
36	4/22	1430 1440	"	18.0	5.13	1.46		7.5		.6	7		"
37	5/6	1315 1325	"	18.0	6.65	2.04		13.5		.6	7		"
38	5/20	1420 1430	"	18.0	5.72	1.43		8.2		.6	7		"
39	5/27	1340 1350	"	17.5	5.05	1.39		7.0		.6	7		"
40	6/10	1345 1355	"	17.0	5.04	1.25		6.3		.6	7		"
41	6/24	1540 1550	"	18.0	5.36	1.34		7.2		.5	7		"
42	7/8	1400 1405	"	17.5	5.96	1.19		7.1		.6	7		"
43	7/15	1400 1405	SJOSTEDT	17.5	5.98	1.52		9.1		.6	7		"
44	7/22	1355 1405	"	17.6	5.64	1.24		7.0		.6	7		"
45	7/29	1220 1235	"	17.8	5.72	1.12		6.4		.6	7		"
46	8/5	1415 1425	"	18.1	6.00	1.28		7.7		.6	7		"
47	8/12	0940 0955	"	19.0	10.2	5.26		53.7		.6	11		"
48	8/26	1550 1600	"	17.5	4.85	1.40		6.8		.6	8		"
49	9/2	1100 1110	"	18.0	5.07	1.09		5.5		.6	7		"
50	9/10	1425 1435	"	18.0	4.22	1.42		6.0		.6	7		"
51	9/16	1322 1336	SINGER	18.2	4.31	1.18		5.1		.5	11		"
52	9/23	1020 1030	SJOSTEDT	18.0	3.72	1.18		4.4		.6	7		"
			LOS ANGELES RIVER INFLOW above Pacific Coast Highway										
24	10/1	1005 1015	SJOSTEDT	6.0	3.35	1.29		4.2		.5	7		FC65
25	10/15	0940 0950	"	6.0	3.20	1.25		4.0		.5	7		"
26	10/22	1120 1130	"	5.5	2.88	1.04		3.0		.5	7		"
	11/5	1000	"					4.0		EST.			
27	11/12	1005 1015	"	6.0	3.22	1.18		3.8		.5	7		FC65
28	11/19	1305 1315	"	6.0	3.23	1.30		4.2		.6	7		"
29	11/25	1320 1330	"	6.0	3.48	1.29		4.5		.5	7		"
30	12/3	1020 1030	"	6.0	3.40	1.35		4.6		.6	7		"
31	12/10	0940 0950	"	5.0	2.55	0.71		1.8		.6	6		"
32	12/17	1000 1010	"	6.0	3.12	1.22		3.8		.5	7		"
33	12/23	0900 0915	FABER – SJOSTEDT	6.7	3.58	1.42		5.1		.6	8		"
	12/31	0915	SJOSTEDT					4.0		EST.			
34	1/7	0950 1000	"	6.0	3.90	1.33		5.2		.6	7		FC65
35	1/14	1040 1050	"	6.5	3.89	1.49		5.8		.5	7		"
36	1/21	1000 1015	"	6.0	2.95	1.22		3.6		.6	7		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			LOS ANGELES RIVER INFLOW above Pacific Coast Highway (Continued)										
37	1/27	1500 1510	SJOSTEDT	6.0	3.20	1.37		4.4		.6	7		FC65
38	2/4	1000 1010	"	6.0	3.59	1.37		4.9		.6	7		"
39	2/11	0915 0925	"	6.0	3.74	1.36		5.1		.6	7		"
40	2/18	1245 1255	"	6.0	3.65	1.62		5.9		.6	7		"
41	2/25	1025 1035	"	6.0	4.15	1.25		5.2		.6	7		"
42	3/11	0945 1000	"	6.0	4.00	1.55		6.2		.6	7		"
43	3/25	1025 1035	"	5.0	3.75	1.63		6.1		.5	6		"
44	4/15	1005 1015	"	6.0	3.40	1.29		4.4		.6	7		"
45	4/29	1315 1325	"	6.0	4.40	1.32		5.8		.6	7		"
46	5/6	0820 0830	"	5.0	3.30	1.00		3.3		.6	6		"
47	5/20	0950 1000	"	5.0	4.30	1.14		4.9		.6	6		"
48	5/27	0850 0855	"	5.0	4.20	1.28		5.4		.6	6		"
49	6/17	0920 0925	"	5.0	3.75	1.25		4.7		.6	6		"
50	7/2	1115 1125	"	4.0	3.13	1.12		3.5		.6	7		"
51	7/8	0840 0845	"	4.0	2.95	1.22		3.6		.6	5		"
52	7/15	0910 0920	"	4.0	3.06	1.21		3.7		.6	7		"
53	7/22	0935 0945	"	4.0	3.28	1.31		4.3		.6	9		"
54	7/29	1605 1610	"	4.0	3.10	1.32		4.1		.6	5		"
55	8/5	0950 1000	"	5.0	4.00	1.30		5.2		.6	6		"
56	8/12	1430 1440	"	4.0	3.03	1.15		3.5		.6	7		"
57	8/26	0930 0940	"	5.0	3.60	1.18		3.9		.6	6		"
58	9/10	0945 0955	"	5.0	4.05	1.18		4.8		.6	6		"
59	9/16	0950 1007	SINGER	4.8	3.78	1.27		4.8		.5	11		"
60	9/23	1555 1605	SJOSTEDT	5.0	3.55	1.18		4.2		.6	6		"
61	9/30	1315 1325	"	5.0	3.70	1.30		4.8		.6	6		"
			LAGUNA CREEK above Blanchard Street										
143	10/2	1255 1305	SJOSTEDT	6.1	0.60	1.62		0.97		.5	8		FC50
144	10/7	1034 1045	"	3.0	0.46	1.93		0.89		.5	7		"
145	10/13	1545 1555	"	4.0	1.11	1.08		1.3		.5	9		"
146	10/19	1115 1125	"	3.5	0.34	1.35		0.46		.5	8		"
147	10/21	1255 1305	"	3.5	0.57	1.28		0.73		.5	8		"
148	11/19	1450 1455	"	3.0	0.68	0.98		0.67		.5	7		FC65
149	12/10	1310 1315	"	4.0	1.88	0.53		0.99		.5	6		FC50
150	12/21	1410 1420	SJOSTEDT	CHANNELS				0.84		.5	7		"
151	12/23	1355 1405	FABER – SJOSTEDT	4.8	2.20	0.33		0.73		.6	7		"
152	2/11	1635 1645	SJOSTEDT	3.0	1.09	1.01		1.1		.5	7		"
153	3/18	1415 1420	"	2.5	0.92	0.79		0.73		.5	6		"
154	4/22	1330 1335	"	4.0	1.22	0.49		0.60		.6	6		"
155	5/13	1415 1420	"	4.0	1.20	0.43		0.52		.5	6		"
156	6/24	1425 1430	"	5.0	0.52	1.15		0.60		.5	7		"
157	7/2	1515 1520	"	CHANNELS				0.74		.5	7		"
158	7/8	1215 1220	"	5.0	0.48	1.23		0.59		.6	7		"
159	7/13	0925 0930	"	5.0	0.41	1.00		0.41		.5	7		"
160	7/16	1020 1025	"	5.0	0.41	0.98		0.40		.5	7		"
161	7/21	1440 1450	"	6.7	0.64	1.00		0.64		.5	9		"
162	7/23	0820 0830	"	6.7	0.61	0.82		0.50		.5	9		"
	8/12	1100	"					2.5		EST.			
163	8/26	1440 1450	"	5.0	0.62	1.48		0.92		.6	7		FC50
	9/23	1130	"					0.50		EST.			

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			LAGUNA CREEK above D.D.I. No. 26										
49	10/2	1320 / 1325	SJOSTEDT	1.5	0.10	0.60		0.06		.5	6		FC50H
50	10/7	1115 / 1120	"	1.6	0.12	0.58		0.07		.5	5		"
51	10/13	1610 / 1615	"	2.0	0.13	0.62		0.08		.5	5		"
52	10/19	1135 / 1140	"	0.8	0.03	0.33		0.01		.5	5		"
53	10/21	1320 / 1325	"	0.9	0.04	0.50		0.02		.5	4		"
54	11/19	1505 / 1515	"	3.0	1.08	0.65		0.70		.5	7		FC65
55	12/10	1335 / 1340	"	3.0	1.02	0.72		0.73		.5	7		FC50
56	12/23	1420 / 1430	FABER – SJOSTEDT	3.3	1.03	0.75		0.77		.6	6		"
57	1/21	1425 / 1435	SJOSTEDT	3.0	0.66	1.07		0.71		.5	7		"
58	2/11	1650 / 1700	"	3.0	0.84	1.11		0.93		.5	6		"
59	3/18	1435 / 1440	"	2.5	0.48	0.94		0.45		.5	6		"
60	4/22	1355 / 1400	"	2.5	0.80	1.05		0.84		.5	6		"
61	5/13	1430 / 1435	"	2.5	0.47	1.26		0.59		.5	6		"
62	6/3	1448 / 1452	SINGER	2.6	0.50	1.00		0.50		.5	5		FC65
63	7/2	1535 / 1540	SJOSTEDT	3.5	0.53	0.89		0.47		.6	6		FC50H
64	7/8	1300 / 1305	"	2.0	0.15	0.67		0.10		.6	5		"
65	7/13	1020 / 1025	"	2.0	0.11	0.45		0.05		.5	5		"
66	7/16	1115 / 1120	"	2.0	0.15	0.74		0.11		.5	5		"
67	7/21	1510 / 1515	"	2.0	0.15	0.47		0.07		.5	5		"
68	7/23	0920 / 0930	"	2.0	0.14	0.57		0.08		.5	5		"
	8/12	1105	"					2.0		EST.			
69	8/26	1505 / 1510	"	0.9	0.04	0.50		0.02		.6	4		FC50
	9/23	1145	"					0.10		EST.			

DISCHARGE MEASUREMENTS OF RIO HONDO DRAINAGE AREA

AT Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1964

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			EATON CREEK above Eaton Dam (Inflow)										
	11 15	1420	WOOD – CARPENTER					0.2		EST.			
	11 20	1343	"					0					
78	1 21	1312	"	4.0	0.80	2.00		1.6		FLOATS			
79	1 22	1202	WOOD	5.0	1.30	1.54		2.0		"	6		
80	1 23	1021 / 1026	"	2.0	0.34	1.00		0.34		.5	7		FC53
81	3 23	0803 / 0809	WOOD – CARPENTER	9.0	1.73	2.36		4.1		5	10		FC57
82	3 23	1409 / 1421	"	CHANNELS				2.4		.5	12		"
83	4 1	1316 / 1348	CARPENTER – WOOD		"			27.5		.5 / .6	17		"
84	4 2	0949 / 0956	WOOD	8.8	2.93	2.69		7.9		.5	10		"
	4 3	1103	"					3.0		EST.			
			SANTA ANITA CREEK above Santa Anita Dam (Inflow)										
218	10 17	1349 / 1402	WOOD	4.8	0.85	1.01		0.86		.5	12		FC53
219	11 21	0929 / 0941	"	5.2	1.65	1.45		2.4		.5	11		FC57
220	1 22	1003 / 1020	"	15.6	6.41	2.42		15.5		.5 / .6	17		"
221	5 6	0945 / 0955	"	5.0	1.78	1.24		2.2		.5	13		FC53
222	5 20	1130 / 1143	FALCONE – WOOD	4.0	1.40	1.14		1.6		.5	9		"
			SANTA ANITA CREEK above Sierra Madre Spreading Grounds Diversion										
355	10 3	0840 / 0845	WOOD	2.8	0.71	1.59		1.2		.5	6		FC53
356	10 10	0830 / 0838	"	2.8	0.76	1.58		1.2		.5	8		"
357	10 17	1305 / 1312	"	1.2	0.21	0.90		0.19		.5	7		"
358	10 30	0841 / 0845	"	1.0	0.06	0.50		0.03		.5	5		"
359	11 6	0840 / 0843	"	0.8	0.03	1.00		0.03		.5	5		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SANTA ANITA CREEK above Sierra Madre Spreading Grounds Diversion (Cont.)										
360	11/13	0830	WOOD	90° V-NOTCH WEIR			0.20	0.05					
	11/21	0845	"					0.10		EST.			
	11/27	0800	"					0.10		"			
361	12/11	0829	"	90° V-NOTCH WEIR			0.23	0.07					
362	12/18	0825	"	"	"	"	0.22	0.06					
363	12/26	0826	"	"	"	"	0.20	0.05					
364	1/2	0855	"	"	"	"	0.22	0.06					
365	1/15	1015 / 1030	BROOK – MEAD	26.0	23.1	12.2		281.		FLOATS	11		
366	1/15	1130 / 1140	"	24.5	20.2	7.08		143.		.5 / .6	11		
367	1/15	1150 / 1159	MEAD – BROOK	23.5	18.3	6.07		111.		.5 / .6	10		FC56
368	1/15	1206 / 1212	BROOK – MEAD	23.5	14.9	6.20		92.4		.5 / .6	10		"
369	1/15	1214 / 1218	MEAD – BROOK	21.5	12.5	5.51		68.9		.5 / .6	9		"
370	1/15	1221 / 1225	"	18.1	6.07	1.65		10.0		.5 / .6	7		"
371	1/15	1234 / 1240	BROOK – MEAD	19.0	6.14	2.98		18.3		.5 / .6	10		"
372	1/15	1245 / 1249	MEAD – BROOK	6.9	3.62	4.97		18.0		.5 / .6	8		"
373	1/15	1309 / 1315	"	8.7	3.99	4.36		17.4		.5	9		"
374	1/15	1340 / 1347	BROOK – MEAD	21.0	11.4	4.73		53.9		.5 / .6	12	+	"
375	1/15	1348 / 1356	MEAD – BROOK	21.5	12.4	4.35		54.0		.5 / .6	12		"
376	1/15	1400 / 1406	BROOK – MEAD	20.4	11.0	3.93		43.2		.5 / .6	12		"
377	1/15	1410 / 1417	MEAD – BROOK	15.8	9.53	3.00		28.6		.5 / .6	10		"
378	1/15	1418 / 1924	BROOK – MEAD	17.0	8.73	3.18		27.8		.5 / .6	10		"
379	1/15	1427 / 1433	MEAD – BROOK	15.2	8.66	3.41		29.5		.5 / .6	10		"
380	1/15	1435 / 1432	"	15.2	9.27	3.38		31.3		.5 / .6	10		"
381	1/15	1495 / 1450	BROOK – MEAD	15.2	8.80	3.31		29.1		.5 / .6	10		"
382	1/8	0840	WOOD	90° V-NOTCH WEIR			0.20	0.05				0	
383	1/22	0845 / 0852	"	1.8	0.35	1.02		0.36		.5	8		FC53
384	2/5	0840	"	90° V-NOTCH WEIR				0.02				0.	
385	3/4	0845	"	"	"	"		0.01					
386	3/11	0830 / 0833	"	0.8	0.07	1.72		0.12		.5	5		FC53
387	3/18	0830	"	90° V-NOTCH WEIR				0.01					
388	5/7	1115 / 1124	"	3.0	0.97	1.34		1.3		.5	9		FC53
389	5/14	0830 / 0841	"	5.5	1.16	1.82		2.1		.5	13		"
390	5/20	1245 / 1255	WOOD – FALCONE	5.2	1.49	1.41		2.1		.5	12		"
391	5/27	0905 / 0920	FALCONE	4.8	1.49	2.48		3.7		.5	10		"
392	6/4	0934 / 0946	WOOD	5.6	2.08	1.82		3.8		.5	12		"
393	6/11	0928 / 0940	"	5.2	1.85	1.62		3.0		.5	12		"
394	6/17	0830 / 0840	"	3.0	0.64	1.40		0.89		.5	10		"
295	6/25	1035 / 1045	"	3.5	0.85	1.54		1.3		.5	10		"
396	7/8	0840	"	90° V-NOTCH WEIR			0.15	0.02					
397	7/16	1047 / 1057	"	3.0	0.57	1.32		0.75		.5	9		FC53
398	7/23	1050 / 1059	"	1.8	0.21	1.14		0.24		.5	8		"
399	7/30	1055 / 1103	"	2.1	0.42	0.71		0.30		.5	8		"
400	8/6	1015 / 1024	"	2.2	0.39	0.80		0.31		.5	8		"
401	8/12	1025 / 1035	"	2.5	0.50	0.98		0.49		.5	9		"
402	8/20	1051 / 1100	"	1.8	0.31	1.58		0.49		.5	8		"
403	8/26	0954 / 1002	BROOK	2.5	0.45	1.17		0.53		.5	8		"
404	9/3	1143 / 1152	WOOD	1.9	0.22	1.78		0.39		.5	8		"
405	9/10	1528 / 1537	"	2.0	0.30	1.53		0.46		.5	8		"
406	9/17	1243 / 1253	"	2.5	0.37	0.95		0.35		.5	9		"
407	9/24	0947 / 0956	"	3.0	0.36	1.14		0.41		.5	10		"
			SANTA ANITA CREEK below Sierra Madre Spreading Ground Diversion										
313	1/15	1600 / 1609	BROOK – MEAD	6.4	2.39	2.43		5.8		.5	9	0	FC35

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAWPIT CREEK below Sawpit Dam – Uncontrolled Outlet										
1	10/3	1118 / 1122	WOOD	0.9	0.07	2.29		0.16		.5	5		FC53
2	10/9	1040 / 1043	"	0.9	0.12	1.58		0.19		.5	5		"
3	10/16	1315	"	1.0	0.19	3.16		0.60		.5	5		"
4	10/31	0950 / 0953	"	0.9	0.12	2.58		0.31		.5	5		"
5	11/7	0840 / 0842	"	1.0	0.18	3.26		0.59		.5	5		"
6	11/14	0850 / 0852	"	0.9	0.13	2.92		0.38		.5	5		"
7	11/27	1415 / 1417	"	1.0	0.16	3.62		0.58		.5	5		FC57
8	12/6	0835 / 0838	"	0.9	0.13	3.45		0.45		.5	5		FC53
9	12/12	0905 / 0907	"	1.0	0.15	3.52		0.53		.5	5		"
10	12/19	0935 / 0937	"	1.0	0.15	3.54		0.53		.5	5		"
11	12/27	0826 / 0829	"	0.9	0.14	3.70		0.52		.5	5		"
12	1/3	1400 / 1402	"	0.90	0.12	3.00		0.36		.5	5		"
13	1/9	0940 / 0942	"	0.9	0.14	2.72		0.38		.5	5		"
14	2/13	1428 / 1430	"	0.9	0.14	2.93		0.41		.5	5		"
15	2/20	1007 / 1010	"	0.9	0.14	2.70		0.38		.5	5		"
16	3/5	1040 / 1042	"	0.9	0.14	3.57		0.50		.5	5		"
17	3/12	0945 / 0947	"	0.9	0.13	3.07		0.40		.5	5		"
18	3/19	1030 / 1032	"	0.9	0.13	2.68		0.35		.5	5		"
			ALHAMBRA WASH at Mouth of Lined Channel										
28	8/30	0902 / 0910	ROY	6.0	0.82	0.43		0.35		.5	8		FC52
29	9/29	0822 / 0828	"	7.0	1.25	0.68		0.85		.5	8		"
30	9/30	1515 / 1521	"	6.0	1.02	0.52		0.53		.5	7		"
			RIO HONDO 500 Feet above Mission Bridge										
1	8/6	1112 / 1117	ROY	5.8	1.18	1.10		1.3		.5	7		FC52
			RIO HONDO at Mission Bridge										
25	1/20	1324 / 1332	ROY	15.6	5.11	0.96		4.9		.5 / .6	10		FC44
26	1/27	0932 / 0944	"	CHANNELS				6.4		.5 / .6	12		"
27	3/16	0853 / 0858	"	9.0	3.57	1.20		4.3		.5 / .6	6		"
28	3/19	0825 / 0833	ROY – SINGER	9.4	3.85	0.93		3.6		.5 / .6	10		"
29	3/26	1057 / 1110	ROY	CHANNELS				5.7		.5 / .6	13		FC52
30	4/2	1508 / 1515	"	10.0	9.16	0.69		6.3		.6	6		FC44
31	4/23	1455 / 1503	"	12.5	5.38	1.15		6.2		.6	8		FC52
32	4/30	1118 / 1127	"	9.8	4.23	0.84		3.6		.6	11		"
33	5/7	1518 / 1524	"	9.8	5.16	1.03		5.3		.5 / .6	7		"
34	5/14	1502 / 1508	ROY – MONTOYA	9.0	5.02	0.80		4.0		.6	7		"
35	5/21	1035 / 1044	MC BRIDE	8.1	3.85	0.68		2.6		.6	9		"
36	6/4	1056 / 1104	ROY	13.6	4.21	1.35		5.7		.5	9		"
37	6/11	1122 / 1133	ROY – LINDSAY	10.7	2.90	0.90		2.6		.6	12		"
38	6/18	1033 / 1048	SINGER – ROY	10.0	3.09	0.72		2.2		.5 / .6	12		"
39	6/25	1010 / 1022	ROY	9.5	3.19	0.74		2.4		.6	11		"
40	7/2	1051 / 1123	SINGER	10.1	3.25	0.40		1.3		.5	16		FC44 FC52
41	7/9	1016 / 1024	ROY	7.4	1.96	0.82		1.6		.5 / .6	9		FC52
42	7/16	1359 / 1403	ROY – CARPENTER	6.5	1.52	0.92		1.4		.5 / .6	8		"
			RIO HONDO 500 Feet below Mission Bridge										
1	3/19	0838 / 0845	ROY – SINGER	10.0	2.83	1.17		3.3		.5	11		FC44

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			RIO HONDO above Junction with Alhambra Wash										
1	8/20	1100 / 1115	SINGER – ROY	6.8	1.24	1.21		1.5		.5	12		FC52
			RIO HONDO below Junction with Alhambra Wash										
1	8/20	1118 / 1132	SINGER – ROY	9.4	2.56	0.89		2.3		.5 / .6	12		FC52
			RIO HONDO 700 Feet below Alhambra Wash										
1	10/3	0900 / 0906	ROY	5.4	2.15	1.54		3.3		.5	6		FC52
			RIO HONDO 500 Feet above Station F64–R										
1	11/1	0910 / 0917	ROY	6.6	2.42	1.07		2.6		.5 / .6	7		FC44
2	11/19	0854 / 0858	"	4.0	1.06	1.13		1.2		.5	5		"
3	1/20	1255 / 1301	"	CHANNELS				2.4		.5 / .6	8		"
4	7/30	1500 / 1508	"	6.0	1.12	0.98		1.1		.5	8		FC52
			WHITTIER NARROWS RECLAMATION PLANT OUTFLOW at Various Points										
5	10/8	1000 / 1008	ROY – MC BRIDE	12.5	11.3	1.80		20.3		.6	14		FC44
6	10/31	0950 / 0956	ROY	10.0	10.5	1.66		17.4		.6	7		"
7	6/4	1350 / 1403	"	48.0	14.6	1.28		18.7		.6	15		FC52
8	6/11	1536 / 1544	"	15.8	10.4	1.87		19.5		.6	10		FC44
9	6/18	1426 / 1452	SINGER – ROY	16.5	11.2	2.24		25.0		.5 / .6	17		"
10	6/22	1042 / 1050	ROY – BOWDOIN	15.8	15.4	1.58		24.4		.6	10		"
11	6/25	1430 / 1438	ROY	15.0	9.98	2.26		22.6		.6	9		"
12	7/9	1430 / 1438	"	14.0	17.4	1.45		25.2		.6	9		FC66
13	7/13	1411 / 1430	"	15.0	19.1	1.14		21.8		.6	16		"
14	7/16	1130 / 1145	ROY – CARPENTER	13.2	12.4	2.18		27.1		.6	15		"
15	7/27	1355 / 1407	ROY	11.0	10.6	2.41	0.99	26.0		.6	12		"

DISCHARGE MEASUREMENTS OF RIO HONDO DRAINAGE AREA

AT Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 65

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			EATON CREEK above Eaton Dam Outflow										
85	11/9	1452 / 1500	WOOD – CARPENTER	10.0	2.72	2.28		5.2		.5	11		FC57
86	11/10	1544 / 1548	"	4.5	1.00	2.00		2.0		.5	7		"
	11/18	0845	WOOD					0.10		EST.			
	12/21	0915	"					1.0		"			
	12/21	1445	"					0		OBS.			
87	12/27	1310 / 1320	CARPENTER – WOOD	7.2	1.84	2.88		5.3		.5	8		FC57
88	12/28	1124 / 1135	WOOD	4.7	1.06	1.41		1.5		.5	11		"
	12/30	1130	"					0		OBS.			
	4/1	0815	WOOD – CARPENTER					1.0		EST.			
	4/4	1655	WOOD					10.0		"			
89	4/5	0817 / 0827	"	9.7	3.71	1.86		6.9		.5	11		FC34
90	4/9	0811 / 0823	CARPENTER – WOOD	12.1	5.90	2.59		15.3		.5 / .6	12		"
91	4/10	1450 / 1457	WOOD – CARPENTER	9.0	5.02	4.12		20.7		.6	10		"
92	4/12	1606 / 1613	WOOD	8.0	3.61	2.02		7.3		.5 / .6	9		"
	4/13	1150	"					0.50		EST.			

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
			SANTA ANITA CREEK above Santa Anita Dam (Inflow)										
223	4 10	1203 / 1211	WOOD – CARPENTER	11.7	11.0	4.06		44.6		.6	13		FC34
224	4 20	1105 / 1115	WOOD	10.0	5.67	1.77		10.0		.5 / .6	12		"
			SANTA ANITA CREEK above Sierra Madre Spreading Grounds Diversion										
408	10 1	1107 / 1118	WOOD	3.6	0.42	1.07		0.45		.5	11		FC53
409	10 8	1308 / 1318	"	3.1	0.38	0.92		0.35		.5	10		"
410	10 15	0939 / 0947	"	2.6	0.31	1.64		0.51		.5	9		"
411	10 22	1246 / 1256	"	3.1	0.44	1.09		0.48		.5	10		"
412	10 29	1115 / 1129	CARPENTER – WOOD	3.9	0.45	1.16		0.52		.5	9		"
413	11 5	0925 / 0935	WOOD	2.7	0.26	1.00		0.26		.5	9		"
414	11 12	1417 / 1425	CARPENTER – WOOD	2.8	0.32	1.34		0.43		.5	7		"
415	11 19	1045 / 1057	WOOD	3.7	0.64	1.10		0.70		.5	11		"
416	11 25	0845 / 0855	"	2.9	0.46	1.04		0.48		.5	10		"
417	12 3	1100 / 1110	"	3.0	0.48	0.98		0.47		.5	10		"
418	12 10	0905 / 0915	"	3.0	0.40	1.15		0.46		.5	10		"
419	12 16	1326 / 1335	"	2.1	0.32	1.34		0.43		.5	9		"
420	12 23	0820 / 0830	"	2.7	0.36	1.17		0.42		.5	9		"
421	12 30	0840 / 0847	"	2.3	0.26	1.92		0.50		.5	9		"
422	1 7	1226 / 1235	"	2.8	0.42	1.66		0.70		.5	9		"
	1 21	1145	"					0.02		EST.			
	1 28	1335	"					+		"			
	2 11	1220	"					+		"			
	3 11	0825	"					+		"			
	3 18	0830	"					+		"			
	6 17	1615	"					+		"			
	7 15	1205	"					0.02		"			
	7 29	1230	"					0.02		"			
	8 12	1205	"					0.02		"			
	8 19	1125	CARPENTER					0.02		"			
	9 8	1230	WOOD					0.04		"			
	9 16	1230	"					0.02		"			
			SANTA ANITA CREEK below Clamshell Canyon										
9	5 18	1620 / 1623	WOOD	2.0	0.74	3.38		2.5		.5	5		FC34
			SANTA ANITA SPREADING GROUNDS at Flume										
27	4 20	1242 / 1255	WOOD	3.6	3.07	1.99		6.1		.6	10		FC34
			ALHAMBRA WASH at Mouth of Lined Channel										
30	9 30	1515 / 1521	ROY	6.0	1.02	0.52		0.53		.5	7		FC52
			RIO HONDO 1000 Feet below Pomona Freeway										
1	6 17	1015 / 1021	ROY	5.2	1.39	1.15		1.6		.5	6		FC66

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
			RIO HONDO at Mission Bridge										
43	12 8	0845 / 0850	ROY	CHANNELS				3.0		.5	13		FC66
44	12 10	0957 / 1004	"	5.8	1.46	1.30		1.9		.5	7		"
45	12 11	0842 / 0848	"	6.0	1.58	1.26		2.0		.5	7		"
46	2 2	1603 / 1610	"	13.5	4.00	1.45		5.8		.5	8		"
47	2 3	0823 / 0830	"	8.0	2.36	1.31		3.1		.5	9		"
48	2 4	1413 / 1420	ROY – SINGER	10.2	3.97	1.61		6.4		.5 / .6	10		"
49	4 6	0826 / 0837	ROY	19.6	6.43	1.01		6.5		.5	12		"
50	4 14	0953 / 0959	"	10.6	5.45	1.39		7.6		.5 / .6	7		"
51	4 15	0930 / 0837	"	10.0	5.42	1.31		7.1		.5 / .6	7		"
52	4 20	0851 / 0905	"	25.0	19.3	0.42		8.2		.6	10		"
53	6 7	0939 / 0950	"	CHANNELS				2.4		.5	9		"
			WHITTIER NARROWS RECLAMATION PLANT OUTFLOW 25 Feet below Mouth of Pipeline										
16	10 2	1028 / 1033	ROY – SINGER	15.5	16.8	0.84		14.1		.6	9		FC66
17	2 1	0958 / 1008	ROY	10.6	10.6	1.87		19.8		.6	11		"
18	2 17	1051 / 1059	"	10.4	9.31	1.82		16.9		.6	11		"
19	5 5	1000 / 1008	ROY – SINGER	15.0	7.97	1.44		11.5		.5	10		"
20	7 29	0830 / 0841	ROY	13.8	9.38	2.43		22.8		.6	9		"
21	8 5	0825 / 0837	"	17.4	9.18	2.32		21.5		.5 / .6	11		"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER DRAINAGE AREA

AT Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1964

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
			SAN GABRIEL RIVER – WEST FORK above Edison Road Crossing above Cogswell Dam										
1	12 4	1437 / 1445	DE VORE – KEIM	3.6	0.85	0.95		0.81		.5 / .6	8		FC62
			DEVIL'S CANYON – 1 mile above San Gabriel River West Fork										
34	4 21	1415 / 1426	DE VORE	8.8	2.47	0.81		2.0		.5 / .6	11		FC62
35	5 19	1040 / 1055	"	8.7	1.98	0.61		1.2		.5 / .6	11		"
			COGSWELL DAM OUTLET TUNNEL near Portal										
	10 3	1050	DE VORE					0.03		EST.			
	10 10	1030	"					0.03		"			
	10 17	1035	"					0.03		"			
	10 24	1035	"					0.03		"			
	10 31	1045	"					0.03		"			
	11 6	0910	"					0.04		"			
	11 14	1040	"					0.06		"			
	11 21	1045	"					0.1		"			
	11 27	1055	"					0.1		"			
	12 5	0900	"					0.12		"			
	12 12	1030	"					0.14		"			
	12 19	1020	"					0.15		"			

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			COGSWELL DAM OUTLET TUNNEL near Portal (Continued)										
	12/26	1035	DE VORE					0.15		EST.			
	1/2	1045	"					0.15		"			
	1/9	1035	"					0.15		"			
	1/16	1025	"					0.15		"			
	1/23	0945	"					0.15		"			
	1/30	1040	"					0.12		"			
	2/6	1125	"					0.1		"			
	2/13	1045	"					0.1		"			
	2/20	1015	"					0.1		"			
	2/27	1115	"					0.1		"			
	3/5	1035	"					0.1		"			
	3/12	0910	"					0.12		"			
			SAN GABRIEL RIVER – WEST FORK above Bear Creek										
290	10/3	0941 0949	DE VORE	2.0	0.51	0.90		0.46	.5 .6	7			FC62
291	10/17	0935 0947	"	5.3	1.51	0.93		1.4	.5 .6	11			"
292	10/31	0935 0947	"	4.9	1.05	0.95		1.0	.5	10			"
293	11/14	0942 0954	"	5.4	1.39	1.01		1.4	.5 .6	11			"
294	12/5	1120 1132	"	5.0	1.32	1.52		2.0	.5 .6	10			"
295	12/19	0927 0939	"	5.2	1.34	1.49		2.0	.5 .6	10			"
296	1/2	1005 1070	"	5.3	1.27	1.50		1.9	.5 .6	10			"
297	1/16	0939 0951	"	5.4	1.23	1.38		1.7	.5 .6	10			"
298	1/30	0938 0955	"	12.4	6.89	0.48		3.3	.6	14			"
299	2/13	0957 1013	"	12.3	6.12	0.34		2.1	.6	13			"
300	2/27	1015 1041	LUYENDYK – DE VORE	12.5	6.06	0.31		1.9	.6	14			"
301	3/12	1530 1544	DE VORE	12.2	5.91	0.34		2.0	.6	12			"
302	3/26	0959 1017	"	12.7	10.3	1.30		13.4	.6	14			"
303	4/16	1044 1102	"	13.7	11.4	1.31		14.9	.6	15			FC22
304	4/30	0953 1011	"	14.0	11.4	1.30		14.8	.6	15			"
305	5/14	0955 1015	"	14.2	12.5	1.54		19.3	.6	15			"
306	5/28	1038 1051	DE VORE – MEAD	12.5	8.75	0.87		7.6	.6	14			"
307	6/11	0959 1015	MEAD	13.4	8.60	0.74		6.4	.6	14			FC56
308	7/2	0940 0953	DE VORE	8.2	3.57	0.39		1.4	.6	10			FC62
309	7/16	1300 1310	"	4.7	1.62	0.55		0.89	.5 .6	9			"
310	7/30	1235 1245	"	3.0	0.81	0.68		0.55	.5 .6	9			"
311	8/13	1100 1126	"	2.7	0.71	0.77		0.55	.5 .6	8			"
312	8/27	1116 1126	"	2.4	0.56	0.75		0.42	.5 .6	8			"
313	9/10	1237 1243	DE VORE – MEAD	2.2	0.45	0.56		0.25	.5 .6	7			"
314	9/25	1300 1304	BROOK	2.0	0.50	0.66		0.33	.5	5	0		FC63
			BEAR CREEK above junction with San Gabriel River West Fork										
281	10/3	0921 0933	DE VORE	6.0	1.28	2.19		2.8	.5 .6	10			FC62
282	10/17	0921 0931	"	7.1	1.79	2.57		4.6	.5 .6	9			"
283	10/31	0916 0928	"	7.1	1.54	2.01		3.1	.5 .6	9			"
284	11/14	0924 0936	"	6.5	1.75	1.94		3.4	.5 .6	9			"
285	12/5	1252 1305	"	8.7	2.56	2.07		5.3	.5 .6	10			"
286	12/19	0907 0920	"	8.2	2.54	2.01		5.1	.5 .6	10			"
287	1/2	0940 1000	"	8.1	2.47	1.66		4.1	.6	16			"
288	1/16	0919 0931	"	8.0	2.26	1.67		3.8	.5 .6	10			"
289	1/30	0914 0928	"	9.9	3.51	1.68		5.9	.5 .6	11			"
290	2/13	0932 0946	"	9.7	3.28	1.55		5.1	.5 .6	11			"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			BEAR CREEK above junction with San Gabriel River West Fork (Cont.)										
291	2/27	0946 1000	DE VORE – LUYENDYK	10.3	3.74	1.18		4.4		.5 .6	11		FC62
292	3/12	1505 1518	DE VORE	10.1	3.68	1.14		4.2		.6	11		"
293	3/26	0926 0946	"	8.3	4.76	1.39		6.6		.6	16		"
294	4/16	1014 1032	"	9.6	6.24	1.92		12.0		.6	15		FC22
295	4/30	0921 0940	"	8.3	4.76	1.85		8.8		.6	14		FC62
296	5/14	0918 0940	"	8.2	4.63	1.73		8.0		.6	16		"
297	5/28	1004 1019	DE VORE – MEAD	7.7	4.10	1.39		5.7		.6	15		FC22
298	6/11	0931 0942	MEAD	7.7	3.65	1.31		4.8		.6	9		FC56
299	7/2	0920 0930	DE VORE	4.6	1.56	1.47		2.3		.6	9		FC62
300	7/16	1317 1329	"	4.3	1.19	0.92		1.1		.5 .6	9		"
301	7/30	1254 1305	"	4.0	0.99	0.65		0.64		.5 .6	10		"
302	8/13	1116 1125	"	3.6	0.85	0.68		0.58		.5 .6	8		"
303	8/27	1133 1143	"	2.9	0.69	0.67		0.46		.6	9		"
304	9/10	1255 1305	DE VORE – MEAD	2.8	0.56	0.57		0.32		.5	10		"
305	9/25	1316 1322	BROOK	2.8	0.54	0.57		0.31		.5	6		FC63
			SAN GABRIEL RIVER – NORTH FORK above West Fork										
301	10/3	0847 0858	DE VORE	7.0	2.40	1.25		3.0		.5 .6	9		FC62
302	10/17	0851 0901	"	8.0	3.02	1.19		3.6		.5 .6	9		"
303	10/31	0848 0900	"	8.0	2.97	1.01		3.0		.5 .6	9		"
304	11/14	0856 0909	"	8.4	3.14	0.96		3.0		.6	10		"
305	12/5	1332 1348	"	7.2	3.47	0.98		3.4		.6	14		"
306	12/19	0837 0850	"	7.5	3.61	0.97		3.5		.6	10		"
307	1/2	0906 0924	"	7.5	3.58	0.89		3.2		.6	10		"
308	1/16	0845 0903	"	7.6	3.70	0.84		3.1		.5 .6	15		"
309	1/30	0842 0900	"	7.8	4.11	1.14		4.7		.6	14		"
310	2/13	0855 0913	"	7.9	3.83	0.94		3.6		.6	14		"
311	2/27	0910 0929	DE VORE – LUYENDYK	7.8	3.78	0.95		3.6		.6	14		"
312	3/12	1429 1440	DE VORE	7.9	3.86	0.91		3.5		.5	9		"
313	3/26	0848 0907	"	8.5	4.53	0.95		4.3		.6	15		"
314	4/16	0941 0955	"	7.7	4.22	1.11		4.7		.6	13		FC22
315	4/30	0847 0903	"	7.5	4.16	1.11		4.6		.6	14		FC62
316	5/14	0840 0856	"	6.7	3.79	1.08		4.1		.6	13		"
317	5/28	0930 0943	DE VORE – MEAD	7.1	3.87	0.96		3.7		.6	13		FC22
318	6/11	0855 0908	MEAD	7.9	2.85	1.05		3.0		.6	10		FC56
319	7/2	0853 0904	DE VORE	5.1	2.16	1.16		2.5		.6	10		FC62
320	7/16	1405 1419	"	5.6	2.39	0.79		1.9		.6	11		"
321	7/30	1332 1345	"	6.0	2.37	0.76		1.8		.5 .6	12		"
322	8/13	1252 1304	"	4.5	2.22	0.77		1.7		.6	10		"
323	8/27	1301 1316	"	4.5	2.14	0.79		1.7		.6	11		"
324	9/10	1323 1336	DE VORE – MEAD	4.1	1.59	1.01		1.6		.5 .6	11		"
325	9/25	1347 1354	BROOK	3.5	0.99	1.01		1.0		.5	7	0	FC63
			SAN GABRIEL RIVER – CATTLE CANYON above East Fork										
193	10/11	0933 0944	DE VORE	4.0	0.98	1.73		1.7		.5 .6	9		FC62
194	10/24	1607 1617	"	4.1	1.06	1.79		1.9		.5 .6	9		"
195	11/6	1451 1501	"	4.7	1.59	2.39		3.8		.5 .6	10		"
196	11/27	1559 1611	"	6.1	2.12	1.36		2.9		.5 .6	10		FC22
197	12/12	1534 1547	"	5.5	1.74	1.84		3.2		.5 .6	11		FC62
198	12/26	1516 1531	"	6.1	2.32	1.68		3.9		.5 .6	12		"
199	1/9	1535 1552	"	6.7	2.56	1.21		3.1		.6	14		"
200	1/23	1223 1235	"	8.2	2.88	1.98		5.7		.5 .6	10		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAN GABRIEL RIVER – CATTLE CANYON above East Fork (Con.)										
201	2/6	1602 / 1616	DE VORE	8.2	2.78	1.22		3.4		.5 / .6	10		FC62
202	2/20	1544 / 1555	"	8.6	2.67	1.24		3.3		.5 / .6	10		"
203	3/5	1621 / 1632	DE VORE – SINGER	8.4	2.60	1.19		3.1		.5 / .6	10		"
204	3/19	1535 / 1556	MEAD – DE VORE	7.6	2.40	1.21		2.9		.6	16		"
205	4/9	1519 / 1531	DE VORE	8.4	3.39	1.98		6.7		.6	10		"
206	4/23	1606 / 1618	"	8.5	3.68	2.26		8.3		.6	10		"
207	5/7	1651 / 1702	"	8.6	3.69	2.47		9.1		.6	11		"
208	5/21	1540 / 1554	DE VORE MEAD	8.5	3.05	1.92		6.3		.5	15		"
209	6/4	1605 / 1619	DE VORE	8.5	3.01	1.93		5.8		.5 / .6	11		"
210	6/18	1613 / 1623	DE VORE – LINDSAY	8.5	3.02	1.49		4.5		.5 / .6	10		"
211	7/9	1610 / 1623	DE VORE – CARPENTER	8.1	2.19	1.10		2.4		.5 / .6	13		"
212	7/23	1555 / 1609	DE VORE	8.0	2.13	0.75		1.6		.5 / .6	11		"
213	8/6	1607 / 1620	"	5.3	1.79	0.67		1.2		.5 / .6	11		"
214	8/20	1531 / 1544	"	5.2	1.72	0.56		0.96		.5 / .6	11		"
215	9/3	1611 / 1623	"	4.9	1.30	0.77		1.0		.5 / .6	10		"
216	9/17	1532 / 1545	MEAD	4.8	1.06	0.81		0.86		.5 / .6	10		FC22
			SAN GABRIEL RIVER below Metropolitan Aqueduct										
133	1/31	1450 / 1500	WOOD	3.0	1.25	1.12		1.4		.5 / .6	9		FC53
			SAN DIMAS CREEK above San Dimas Dam (Inflow)										
202	11/7	1050 / 1055	SARASUA	1.5	0.23	2.60		0.57		.5	6		FC49
203	1/23	1150 / 1155	"	6.0	0.74	2.57		1.9		.5	7		"
	3/24	1350 / 1355	"	5.5	0.99	3.12		3.1		.5	7		"
			SAN DIMAS CREEK – OLD WATER TUNNEL below San Dimas Dam										
177	10/10	1155 / 1200	SARASUA	0.60	0.15	0.53		0.08		.5	4		FC49
178	10/17	1505 / 1508	BROOK	1.00	0.15	0.20		0.03		.5	5		FC49
179	11/28	1025 / 1029	SARASUA	0.60	0.10	0.33		0.03		.5	4	0	"
180	2/13	1025 / 1030	"	0.70	0.11	0.46		0.05		.5	4		"
181	4/22	1155 / 1200	"	1.2	0.27	0.33		0.09		.5	5		"
182	4/29	1300 / 1305	"	1.1	0.21	0.28		0.06		.5	5		"
183	5/20	1255 / 1300	"	0.90	0.18	0.33		0.06		.5	4		"
184	5/27	1250 / 1255	"	0.90	0.17	0.29		0.05		.5	4		"
185	6/3	1502 / 1505	"	0.90	0.14	0.21		0.03		.5	4		"
186	6/10	1515 / 1520	"	0.70	0.14	0.21		0.03		.5	4		"
187	6/25	1148 / 1150	"	1.1	0.17	0.12		0.02		.5	4		"
188	7/29	1420 / 1424	MC BRIDE	1.0	0.12	0.50		0.06		.5	3		"
189	8/6	1204 / 1706	"	1.0	0.14	0.36		0.05		.5	3		"
190	9/17	1130 / 1132	"	1.0	0.30	0.17		0.05		.6	3		"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER DRAINAGE AREA

AT Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1965

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAN GABRIEL RIVER–WEST FORK above Bear Creek										
315	10/8	1240 / 1250	DE VORE	2.1	0.38	0.47		0.18		.5 / .6	8		FC62
316	10/22	1130 / 1145	"	2.9	0.89	0.20		0.18		.6	9		"
317	11/19	1559 / 1607	"	4.0	1.42	1.27		1.8		.6	9		"
318	12/3	1237 / 1245	DE VORE – FABER	3.7	1.18	1.02		1.2		.6	9		"
319	12/17	1247 / 1259	DE VORE	3.8	1.25	1.04		1.3		.6	10		"
320	12/30	1130 / 1140	DE VORE	7.4	3.49	1.03		3.6		.6	9		FC62
321	1/14	1240 / 1251	"	5.5	2.81	0.82		2.3		.6	9		"
322	1/28	1131 / 1144	"	6.2	2.57	0.74		1.9		.6	12		"
323	2/10	1247 / 1303	"	6.6	2.73	0.81		2.2		.6	14		"
324	2/25	1132 / 1147	"	6.5	2.46	0.65		1.6		.6	13		"
325	3/11	1057 / 1112	"	5.9	2.34	0.64		1.5		.6	13		"
326	3/25	1053 / 1107	"	6.0	2.30	0.61		1.4		.6	12		"
327	4/22	1524 / 1536	"	14.5	11.2	0.68		7.6		.6	13		FC22
328	5/13	1456 / 1510	"	14.2	9.96	0.43		4.3		.6	13		FC62
329	5/27	1508 / 1526	"	14.4	13.8	0.96		13.3		.6	14		FC22
330	6/10	1509 / 1522	DE VORE – MEAD	13.3	12.2	1.05		12.8		.6	14		"
331	6/24	1229 / 1245	MEAD	14.5	12.6	1.08		13.6		.6	12		FC56
332	7/15	1508 / 1528	DE VORE	13.5	9.84	0.75		7.4		.6	14		FC22
333	7/29	1229 / 1248	"	13.9	11.6	1.08		12.5		.6	15		"
334	8/12	1127 / 1144	"	14.1	11.5	1.10		12.7		.6	14		"
335	8/26	1224 / 1242	"	14.0	13.5	1.02		13.6		.6	15		"
336	9/8	1415 / 1433	"	14.0	12.7	1.06		13.4		.6	15		"
337	9/23	1205 / 1225	MC BRIDE	14.2	12.1	1.08		13.1		.6	15		"
			BEAR CREEK above Junction with San Gabriel River – West Fork										
306	10/8	1302 / 1310	DE VORE	2.5	0.39	0.77		0.30		.5 / .6	8		FC62
307	10/22	1232 / 1242	"	2.6	0.52	0.88		0.46		.5 / .6	9		"
308	11/19	1614 / 1622	"	5.1	2.34	1.24		2.9		.6	10		"
309	12/3	1253 / 1320	FABER – DE VORE	5.3	2.30	1.22		2.8		.5 / .6	11		"
310	12/17	1306 / 1320	DE VORE	5.5	2.53	0.95		2.4		.6	12		"
311	12/30	1240 / 1252	"	9.2	6.09	1.05		6.4		.6	10		FC22
312	1/14	1121 / 1135	"	7.3	4.15	1.06		4.4		.6	12		"
313	1/28	1256 / 1312	"	7.1	4.02	0.92		3.7		.6	13		"
314	2/10	1317 / 1334	"	7.2	4.32	0.93		4.0		.6	14		"
315	2/25	1248 / 1303	"	6.8	3.69	0.87		3.2		.6	13		"
316	3/11	1122 / 1137	"	6.8	3.60	0.92		3.3		.6	13		"
317	3/25	1120 / 1134	"	6.5	3.43	0.88		3.0		.6	13		"
318	4/22	1550 / 1602	"	22.3	17.0	4.64		78.9		.6	13		"
319	5/13	1537 / 1553	"	11.5	8.44	2.09		17.6		.6	13		"
320	5/27	1542 / 1555	"	10.6	6.51	1.46		9.5		.6	12		"
321	6/10	1540 / 1551	DE VORE – MEAD	9.7	5.68	1.25		7.1		.6	11		"
322	6/24	1300 / 1310	MEAD	10.0	5.7	1.02		5.8		.6	9		FC56
323	7/15	1543 / 1557	DE VORE	9.6	4.41	0.59		2.6		.5 / .6	11		FC22
324	7/29	1302 / 1316	"	8.7	3.85	0.44		1.7		.6	11		FC62
325	8/12	1242 / 1256	"	8.6	3.41	0.28		0.94		.6	10		"
326	8/26	1257 / 1307	"	4.2	1.41	0.64		0.90		.6	9		"
327	9/8	1449 / 1501	"	4.6	1.66	0.84		1.4		.5 / .6	10		"
328	9/23	1248 / 1300	MC BRIDE	4.6	1.62	0.80		1.3		.5 / .6	8		"
			SAN GABRIEL RIVER–NORTH FORK above West Fork										
326	10/8	1324 / 1335	DE VORE	4.0	1.29	1.01		1.3		.6	9		FC62
327	10/22	1303 / 1315	"	4.1	1.70	0.88		1.5		.6	9		"
328	11/19	1534 / 1544	"	4.8	2.65	0.87		2.3		.6	11		"
329	12/3	1345 / 1358	DE VORE – FABER	4.8	2.81	0.75		2.1		.6	11		"
330	12/17	1338 / 1349	DE VORE	4.8	2.82	0.78		2.2		.6	12		"
331	12/30	1310 / 1324	"	4.9	3.19	0.97		3.1		.6	11		"
332	1/14	1312 / 1329	"	5.0	2.82	1.03		2.9		.6	12		"
333	1/28	1336 / 1352	"	5.3	2.67	1.12		3.0		.6	12		"

NO.	DATE	BEGIN — END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAN GABRIEL RIVER–NORTH FORK above West Fork (Continued)										
334	2/10	1401 1416	DE VORE	5.4	2.90	1.03		3.0		.6	12		FC62
335	2/25	1321 1337	"	5.2	2.76	1.01		2.8		.6	12		"
336	3/11	1259 1315	"	5.4	2.67	0.94		2.5		.6	12		"
337	3/25	1311 1327	"	5.3	2.59	1.04		2.7		.6	12		"
338	4/22	1624 1634	"	12.0	7.51	1.24		9.3		.6	11		FC22
339	5/13	1617 1631	"	9.0	3.40	0.83		5.3		.6	11		"
340	5/27	1634 1644	"	8.2	5.33	0.69		3.7		.6	9		"
341	6/10	1627 1639	DE VORE – MEAD	7.5	4.88	0.70		3.4		.6	13		"
342	6/24	1343 1355	MEAD	7.9	3.88	1.93		3.6		.6	9		FC56
343	7/15	1630 1644	DE VORE	8.0	3.12	0.71		2.2		.6	9		FC62
	1/21	1635	"	VOLUMETRIC				G.P.M. 33.3					
344	7/29	1603 1618	"	7.0	2.44	0.82		2.0		.6	12		"
345	8/12	1548 1602	"	7.0	2.37	0.76		1.8		.6	11		"
346	8/26	1605 1624	"	6.0	2.03	0.84		1.7		.6	13		"
347	9/8	1519 1535	"	6.0	1.94	1.08		2.1		.5 .6	13		"
348	9/23	1340 1356	MC BRIDE	6.7	3.05	0.69		2.1		.5 .6	14		"
			SAN GABRIEL RIVER – CATTLE CANYON above East Fork										
217	10/1	1618 1631	DE VORE	5.1	1.57	0.43		0.68		.5 .6	11		FC62
218	10/15	1623 1636	"	5.5	1.84	0.65		1.2		.5 .6	12		"
219	10/29	1627 1640	"	5.6	2.05	0.83		1.7		.5 .6	11		"
220	11/25	1117 1131	"	5.7	2.27	0.97		2.2		.5 .6	12		"
221	12/10	1538 1552	"	5.7	2.00	1.00		2.0		.6	11		"
222	12/23	1538 1552	"	5.6	2.42	0.99		2.4		.6	12		"
223	1/21	1539 1552	"	5.9	2.41	1.20		2.9		.6	11		"
224	2/4	1540 1554	"	5.9	2.40	1.12		2.7		.6	12		"
225	2/17	1601 1615	"	5.8	2.25	1.20		2.7		.6	12		"
226	3/4	1524 1538	"	5.5	1.84	1.30		2.4		.6	11		"
227	3/18	1501 1515	"	5.8	2.15	1.16		2.5		.6	12		"
228	4/29	1320 1335	MEAD	10.0	6.65	3.68		24.5		.6	12		FC22
229	5/6	1539 1552	DE VORE	10.8	6.74	3.41		23.0		.6	12		"
230	5/20	0849 0908	"	8.3	5.28	2.66		14.0		.6	16		"
231	6/3	0923 0939	"	8.0	4.44	2.64		11.7		.6	14		"
232	6/17	1532 1540	MEAD	6.5	3.32	1.94		6.4		.6	8		FC56
233	7/8	1247 1257	DE VORE	6.9	3.11	1.48		4.6		.6	8		FC22
234	7/22	1253 1309	"	6.6	3.27	0.98		3.2		.6	13		"
235	8/5	1325 1340	"	6.8	3.04	0.76		2.3		.6	13		FC62
236	8/19	1249 1302	"	7.2	3.02	0.73		2.2		.6	12		"
237	9/2	1306 1320	"	5.5	2.19	0.78		1.7		.6	12		"
238	9/16	0931 0944	DE VORE– MC BRIDE	5.7	2.33	0.82		1.9		.5 .6	12		"
239	9/30	0909 0927	DE VORE	6.2	2.46	0.85		2.1		.6	13		"
			SAN GABRIEL RIVER below Metropolitan Aqueduct										
134	10/16	0804 0825	BROOK	25.4	23.6	2.81		66.2		.5 .6	16		FC63
135	10/16	1244 1302	"	21.6	17.5	2.50		43.8		.5 .6	13		"
136	10/16	1451 1507	"	20.4	16.4	2.36		38.7		.5 .6	12		"
137	10/16	1552 1606	"	20.0	15.9	2.15		34.2		.5 .6	12		"
138	10/19	0815 0832	"	20.0	15.2	2.14		32.5		.5 .6	13		"
139	10/22	0804 0820	"	20.0	15.0	2.21		33.1		.5 .6	13		"
140	10/27	1047 1103	"	12.0	10.2	2.58		26.3		.5 .6	13		"

NO.	DATE	BEGIN — END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAN GABRIEL RIVER below Metropolitan Aqueduct (Continued)										
141	10/27	1519 1534	BROOK	11.6	8.08	2.12		17.1		.5 .6	13		FC63
142	10/28	0813 0827	"	11.3	7.38	1.82		13.4		.5 .6	13		"
143	11/5	0720 0734	"	11.4	7.30	1.91		13.9		.5 .6	13		"
144	9/1	0818 0832	"	5.2	4.20	4.40		18.5		.6	10		FC35
145	9/28	1040 1052	"	4.8	4.89	3.76		18.4		.6	9		FC63
			COMMITTEE OF NINE TUNNEL at Highway Bridge near Canyon Inn										
28	10/16	1127 1135	BROOK	5.2	4.32	1.85		8.0		.5 .6	8		FC63
29	10/19	1018 1028	"	6.0	5.83	1.85		10.8		.5 .6	9		"
30	10/22	1035 1045	"	5.8	4.60	2.02		9.3		.5 .6	9		"
31	10/26	1058 1107	"	6.0	4.61	1.58		7.3		.5 .6	9		"
32	11/5	0801 0811	"	6.4	6.04	1.17		7.1		.5 .6	9		"
33	6/7	1130 1135	BROOK – MEAD	5.0	2.71	0.66		1.8		.6	7		"
34	6/7	1433 1440	MEAD – BROOK	6.0	4.02	1.12		4.5		.6	8		"
35	6/10	0835 0844	BROOK	8.6	7.35	1.60		11.8		.6	10		"
36	6/14	0846 0856	"	8.8	7.18	1.62		11.6		.6	10		"
37	6/17	0821 0830	"	9.0	7.21	1.61		11.6		.6	10		"
38	6/21	0654 0702	"	9.0	6.78	1.78		12.1		.6	9		"
			SAN GABRIEL CANYON BYPASS CHANNEL (WASTE DITCH) above San Gabriel River										
5	4/15	1042 1050	BROOK	7.4	2.58	1.59		4.1		.6	9		FC63
6	4/22	1000 1008	"	7.0	2.16	1.44		3.1		.6	8		"
7	4/29	0935 0943	"	7.4	2.33	1.72		4.0		.6	9		"
8	5/6	1025 1033	"	8.0	3.52	1.51		5.3		.6	9		"
9	5/13	0950 0958	"	8.2	3.69	1.82		6.7		.6	9		"
10	5/20	1017 1025	"	8.0	3.48	1.75		6.1		.6	9		"
11	5/27	0946 0953	"	8.4	3.38	1.72		5.8		.6	9		"
12	6/3	1422 1430	MEAD	7.3	5.38	1.02		5.5		.6	7		"
13	6/7	1217 1229	BROOK – MEAD	24.0	21.3	1.46		31.1		.6	16		"
14	6/7	1457 1510	"	24.0	22.1	1.53		33.8		.6	16		"
15	6/9	1150 1206	BROOK	24.4	23.5	1.66		39.1		.6	15		"
16	6/14	1450 1510	"	24.0	23.4	1.76		41.2		.6	16		"
17	6/17	0847 0900	"	23.2	22.7	1.86		42.3		.6	13		"
18	6/21	0730 0742	"	23.4	21.2	1.75		37.1		.6	13		"
19	6/24	1310 1320	"	8.4	2.17	1.20		2.6		.6	10		"
20	6/30	1522 1530	"	6.0	1.83	1.04		1.9		.6	9		"
21	7/8	1506 1514	"	4.0	1.13	0.87		0.98		.6	9		"
22	7/15	1458 1506	"	3.5	0.92	0.90		0.83		.6	8		"
23	7/22	1554 1559	"	3.2	0.92	0.87		0.80		.6	6		"
24	7/29	1400 1409	MC BRIDE	3.0	0.84	0.86		0.72		.5	7		"
25	8/5	1138 1146	"	3.0	0.78	0.85		0.66		.5	7		"
26	8/12	1516 1522	BROOK	3.6	1.21	0.81		0.98		.6	7		"
27	8/19	1500 1506	"	3.6	1.20	0.64		0.77		.6	7		FC35
28	8/26	1510 1518	"	3.0	0.98	0.70		0.69		.6	7		"
29	9/2	1534 1542	"	3.0	0.97	0.70		0.68		.6	7		"
30	9/8	1540 1546	"	3.0	0.94	0.66		0.62		.6	7		"
31	9/16	1528 1536	"	3.0	1.06	0.80		0.85		.6	7		FC63
32	9/23	1526 1530	"	2.7	0.78	0.86		0.69		.6	6		"
33	9/30	1505 1514	"	3.1	1.17	1.11		1.3		.6	7		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METH OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			FISH CREEK at Mouth of Canyon										
	4 2	0932 / 0937	BROOK	3.6	1.01	5.74		5.8		.6	7		FC63
			SAN DIMAS CREEK above San Dimas Dam (Inflow)										
205	11 17	1510 / 1515	SARASUA	4.0	0.77	3.77		2.9		.6	9		FC49H
206	12 28	0940 / 0945	"	6.0	1.08	3.33		3.6		.6	7		"
207	12 31	0905 / 0910	"	2.5	0.40	2.30		0.92		.6	6		"
208	1 7	1135 / 1140	"	4.5	0.99	2.94		2.9		.6	9		"
209	1 8	1015 / 1020	"	3.5	0.43	1.84		0.79		.6	8		"
210	2 8	1230 / 1235	"	1.4	0.18	2.28		0.41		.6	5		"
211	3 15	0905 / 0910	"	7.0	0.96	1.56		1.5		.6	8		"
212	4 1	1325 / 1330	"	9.0	4.10	3.17		13.0		.6	10		FC43
213	4 2	0910 / 0915	"	13.0	3.89	3.27		12.7		.6	9		"
214	4 3	1250 / 1300	"	15.0	4.93	3.84		18.9		.6	9		"
215	4 4	1250 / 1255	"	7.9	2.56	3.91		10.0		.6	9		"
216	4 8	0855 / 0900	SARASUA – FOSTER	9.0	2.59	3.17		8.2		.6	10		"
217	4 9	0820 / 0830	SARASUA	18.0	5.40	2.74		14.8		.6	9		"
218	4 15	0955 / 1005	"	4.7	1.84	2.99		5.5		.6	10		"
219	4 16	0840 / 0845	"	4.5	1.53	2.88		4.4		.6	9		"
220	4 19	1325 / 1330	"	4.5	1.20	3.25		3.9		.6	7		"
221	4 21	1230 / 1235	"	5.0	1.05	2.48		2.6		.6	6		"
222	4 22	0645 / 0650	"	5.0	1.28	2.26		2.9		.6	8		"
223	4 27	0710 / 0715	"	2.5	0.71	2.54		1.8		.6	6		"
224	5 12	1245 / 1250	"	2.2	0.58	1.90		1.1		.6	5		"
225	5 14	0940 / 0945	"	2.6	0.70	1.71		1.2		.6	6		"
226	5 20	1110 / 1115	"	2.3	0.54	1.54		0.83		.6	5		"
227	5 28	0910 / 0915	"	2.2	0.45	1.18		0.53		.6	5		"
228	6 3	1205 / 1210	"	1.5	0.44	1.91		0.84		.6	4		"
229	6 10	1535 / 1540	"	1.3	0.28	0.89		0.25		.6	4		"
230	6 17	1035 / 1040	"	1.8	0.45	1.38		0.62		.6	5		"
231	6 25	0918 / 0920	"	1.6	0.29	1.38		0.40		.6	4		"
232	7 1	1513 / 1515	"	0.5	0.05	0.60		0.03		.6	4		FC49
	7 15	1120	MC BRIDE					+		EST.			
	7 29	1100	SARASUA					0.05		"			
			SAN DIMAS CREEK INFLOW TO PUDDINGSTONE DIVERSION at Golf Course										
31	4/6	1140 / 1155	SARASUA	25.0	11.1	1.60		17.8		.6	13		FC43
32	4/10	1500 / 1510	SARASUA – FOSTER	18.0	11.8	4.35		51.4		.6	14		"
33	4/12	1155 / 1205	SARASUA	13.5	5.35	3.42		18.3		.6	15		"
34	4/13	0900 / 0915	"	10.1	6.39	2.86		18.3		.6	12		"
35	4/14	1250 / 1300	"	7.0	4.38	2.67		11.7		.6	13		"
36	4/15	1050 / 1055	"	5.0	2.47	2.19		5.4		.6	11		"
37	4/28	1455 / 1500	"	3.5	0.75	2.53		1.9		.6	5		"
			PUDDINGSTONE DIVERSION DISCHARGE to Puddingstone Dam										
56	4/10	0830 / 0847	SARASUA – FOSTER	14.0	7.42	8.90		66.0		.6	16		FC43
57	4/10	1530 / 1547	"	12.5	5.56	7.55		42.0		.6	14		"
58	4/12	1125 / 1135	SARASUA	6.4	1.35	1.63		2.2		.6	14		"
59	4/14	1420 / 1430	"	10.5	2.14	1.26		2.7		.6	12		"
60	4/15	1130 / 1135	"	10.2	2.83	0.85		2.4		.6	12		"
61	4 22	0815 / 0820	"	2.0	0.27	1.41		0.38		.6	5		FC49
62	4/28	1522 / 1525	"	0.7	0.06	0.83		0.05		.6	4		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METH OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			LEMON CREEK at Valley Boulevard										
1	7 8	1054 / 1100	BROOK	4.8	1.45	0.83		1.2		.6	7		FC63
2	7 15	0905 / 0914	"	4.8	1.09	0.60		0.65		.6	8		"
3	7 22	0955 / 1003	"	3.4	0.41	0.32		0.13		.6	8		"
4	8 12	0840 / 0848	"	3.5	0.78	0.56		0.44		.6	8		"
5	8 19	0842 / 0850	"	3.4	0.89	0.56		0.50		.6	8		"
6	8 26	0920 / 0928	"	3.6	1.23	0.50		0.62		.6	8		FC35
7	9 2	0947 / 0955	"	3.5	1.06	0.56		0.59		.6	8		"
8	9 8	1034 / 1042	"	3.4	0.71	0.32		0.23		.6	8		"
9	9 16	1008 / 1016	"	3.5	0.77	0.36		0.28		.6	8		FC63
10	9 23	1010 / 1016	"	3.1	0.78	0.82		0.64		.6	7		"
11	9 30	0947 / 0954	"	3.1	0.62	0.86		0.53		.6	7		"
			SAN GABRIEL RIVER at Thienes Avenue										
1	9 29	1423 / 1438	ROY – CARPENTER	62.0	113.	1.79		202.		.6	24		FC66
2	9 29	1505 / 1513	" "	31.8	55.2	3.70		204.		.6	13		"

DISCHARGE MEASUREMENTS OF SAN ANTONIO CANYON DRAINAGE AREA

AT Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1964

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METH OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			DROMEDARY DIVERSION near Old Camp Baldy Road										
183	10 3	1410	SARASUA	1.5' RECTANGULAR WEIR			0.29	0.78				0	
184	10 10	1020	"	"	"	"	0.28	0.74				0	
185	10 17	1214	BROOK	"	"	"	0.31	0.86				0	
186	10 24	1105	SARASUA	"	"	"	0.31	0.86				0	
187	10 31	1435	"	"	"	"	0.28	0.74				0	
188	11 7	1250	"	"	"	"	0.31	0.86				0	
189	11 14	1530	"	"	"	"	0.30	0.82				0	
190	11 21	1430	SARASUA – BROOK	"	"	"	0.30	0.82				0	
191	11 28	1305	SARASUA	"	"	"	0.38	1.2				0	
192	12 5	1350	"	"	"	"	0.31	0.86				0	
193	12 12	1510	"	"	"	"	0.23	0.55				0	
194	12 19	1010	"	"	"	"	0.32	0.90				0	
195	12 26	1340	"	"	"	"	0.41	1.3				0	
196	1 2	1400	"	"	"	"	0.39	1.2				0	
197	1 9	1330	"	"	"	"	0.35	1.0				0	
198	1 16	1445	"	"	"	"	0.37	1.1				0	
199	6 4	1425	"	"	"	"	0.30	0.82				0	
200	6/11	1420	"	"	"	"	0.33	0.95				0	
201	6/16	1600	"	"	"	"	0.31	0.86				0	
202	6/25	1545	"	"	"	"	0.22	0.51				0	
203	7 2	1540	"	"	"	"	0.21	0.48				0	
204	7/9	1330	"	"	"	"	0.20	0.45				0	
205	7/16	1325	"	"	"	"	0.19	0.41				0	
206	7/23	1315	"	"	"	"	0.18	0.38				0	
207	7/30	1346	MC BRIDE	1.5' RECTANGULAR WEIR			0.18	0.38				0	
208	8 6	1435	"	"	"	"	0.17	0.35					
209	8/13	1230	SARASUA	"	"	"	0.19	0.42				0	
210	8/20	1445	"	"	"	"	0.18	0.38				0	
211	8/27	1425	"	"	"	"	0.18	0.38				0	
212	9/4	1220	"	"	"	"	0.60	2.3				0	
213	9/10	1430	"	"	"	"	0.20	0.45					
214	9/24	1535	MC BRIDE	"	"	"	0.18	0.38				0	

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAN ANTONIO EDISON CONDUIT at Ontario No. 1 Power House										
350	10/3	1420	SARASUA	9.05' RECTANGULAR WEIR			0.32	5.5				0	
351	10/10	1050	"	"	"	"	0.00	DRY					
352	10/17	1230	BROOK	"	"	"	0.34	6.0				0	
353	10/24	1155	SARASUA	"	"	"	0.35	6.3				0	
354	10/31	1445	"	"	"	"	0.34	6.0					
355	11/7	1240	"	"	"	"	0.35	6.3				0	
356	11/14	1540	"	"	"	"	0.34	6.0				0	
357	11/27	1535	SARASUA – BROOK	"	"	"	0	0				0	
358	11/28	1340	SARASUA	"	"	"	0	0				0	
359	11/26	1355	"	"	"	"	0.40	7.6				0	
360	1/9	1345	"	"	"	"	0.40	7.6				0	
361	1/16	1450	"	"	"	"	0.38	7.1				0	
362	1/23	1400	"	"	"	"	0.40	7.6				0	
363	1/30	1600	"	"	"	"	0.39	7.3				0	
364	2/6	1325	"	"	"	"	0.39	7.3				0	
365	2/13	1420	"	"	"	"	0.38	7.1				0	
366	2/20	1245	"	"	"	"	0.37	6.8				0	
367	2/27	1230	"	"	"	"	0.37	6.8				0	
368	3/5	1300	"	"	"	"	0.33	5.7				0	
369	3/12	1100	"	"	"	"	0.37	6.8				0	
370	3/19	1330	"	"	"	"	0.34	6.0				0	
371	3/26	1355	"	"	"	"	0.40	7.6				0	
372	4/16	1230	"	"	"	"	0.48	10.0				0	
373	4/23	1425	"	"	"	"	0.52	11.3				0	
374	4/30	1235	"	"	"	"	0.58	13.3				0	
375	5/7	1350	"	"	"	"	0.60	14.0				0	
376	5/14	1455	"	"	"	"	0.60	14.0				0	
377	5/21	1615	"	"	"	"	0.57	13.0				0	
378	5/28	1400	"	"	"	"	0.60	14.0					
379	6/4	1455	"	"	"	"	0.57	13.0				0	
380	6/11	1325	"	"	"	"	0.55	12.3				0	
381	6/18	1620	"	"	"	"	0.52	11.3				0	
382	6/25	1600	"	"	"	"	0.48	10.0				0	
383	7/2	1620	"	"	"	"	0.46	9.4				0	
384	7/9	1335	"	"	"	"	0.45	9.1				0	
385	7/16	1455	"	"	"	"	0.43	8.5				0	
386	7/23	1325	"	"	"	"	0.43	8.2				0	
387	7/30	1428	MC BRIDE	"	"	"	0.40	7.6					
388	8/6	1444	"	"	"	"	0.40	7.6					
389	8/13	1240	SARASUA	"	"	"	0.39	7.3				0	
390	8/20	1450	"	"	"	"	0.37	6.8				0	
391	8/27	1430	"	"	"	"	0.35	6.2				0	
392	9/4	1230	"	"	"	"	0.02	+				0	
393	9/10	1440	"	"	"	"	0.34	6.0				0	
394	9/24	1550	MC BRIDE	"	"	"	0.33	5.7					
			EVEY CREEK – CITY OF POMONA DIVERSION – CANYON WATER CO. DIVERSION at Mouth of Canyon										
347	10/3	1430	SARASUA	90° V-NOTCH WEIR			0.21	0.05				0	
348	10/10	1030	"	"	"	"	0.27	0.10				0	

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			EVEY CREEK – CITY OF POMONA DIVERSION – CANYON WATER CO. DIVERSION at Mouth of Canyon (Cont.)										
349	10/17	1259	BROOK	90° V-NOTCH WEIR			0.26	0.09				0	
350	10/24	1200	"	"	"	"	0.27	0.10					
351	10/31	1500	"	"	"	"	0.22	0.06				0	
352	11/7	1250	"	"	"	"	0.29	0.12				0	
353	11/14	1550	"	"	"	"	0.28	0.11				0	
354	11/21	1541	SARASUA – BROOK	"	"	"	0.24	0.07				0	
355	11/28	1345	SARASUA	"	"	"	0.29	0.12				0	
356	12/5	1455	"	"	"	"	0.29	0.12				0	
357	12/12	1610	"	"	"	"	0.29	0.12				0	
358	12/19	1050	"	"	"	"	0.30	0.13				0	
359	12/26	1350	"	"	"	"	0.30	0.13				0	
360	1/2	1405	"	"	"	"	0.29	0.12				0	
361	1/9	1350	"	"	"	"	0.29	0.12				0	
362	1/16	1455	"	"	"	"	0.29	0.12				0	
363	1/23	1405	"	"	"	"	0.38	0.23				0	
364	1/30	1605	"	"	"	"	0.30	0.13				0	
365	2/6	1255	"	"	"	"	0.30	0.13				0	
366	2/13	1425	"	"	"	"	0.29	0.12					
367	2/20	1250	"	"	"	"	0.29	0.12				0	
368	2/27	1235	"	"	"	"	0.29	0.12				0	
369	3/5	1305	"	"	"	"	0.29	0.12					
370	3/12	1115	"	"	"	"	0.30	0.13				0	
371	3/19	1345	SARASUA	"	"	"	0.29	0.12				0	
372	3/26	1400	"	"	"	"	0.32	0.15				0	
373	4/16	1135	"	"	"	"	0.30	0.13				0	
374	4/23	1430	"	"	"	"	0.31	0.14				0	
375	4/30	1240	"	"	"	"	0.33	0.16				0	
376	5/7	1400	"	"	"	"	0.35	0.19				0	
377	5/14	1445	"	"	"	"	0.30	0.13				0	
378	5/21	1615	"	"	"	"	0.29	0.12				0	
379	5/28	1415	"	"	"	"	0.29	0.12				0	
380	6/4	1500	"	"	"	"	0.28	0.11				0	
381	6/11	1405	"	"	"	"	0.28	0.11				0	
382	6/18	1625	"	"	"	"	0.28	0.11				0	
383	6/25	1610	"	"	"	"	0.27	0.10					
384	7/2	1625	"	"	"	"	0.23	0.07				0	
385	7/9	1345	"	"	"	"	0.27	0.09				0	
386	7/16	1510	"	"	"	"	0.20	0.05				0	
387	7/23	1335	"	"	"	"	0.19	0.04				0	
388	7/30	1438	MC BRIDE	"	"	"	0.19	0.04					
389	8/6	1452	"	"	"	"	0.18	0.04					
390	8/13	1245	SARASUA	"	"	"	0.18	0.04				0	
391	8/25	1455	"	"	"	"	0.18	0.04				0	
392	8/27	1435	"	"	"	"	0.18	0.04				1.0	
393	9/4	1235	"	"	"	"	0.18	0.04				0	
394	9/10	1435	"	"	"	"	0.18	0.04				0	
395	9/24	1615	"	"	"	"	0.18	0.04					

DISCHARGE MEASUREMENTS OF SAN ANTONIO CANYON DRAINAGE AREA

AT Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 65

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	E. HT. CHANGE TOTAL	METER NO.
			DROMEDARY DIVERSION near Old Camp Baldy Road										
215	10/2	0935	SARASUA	1.5 FOOT RECT. WEIR			0.20	0.45					
216	10/8	1310	"	"	"	"	0.14	0.26					
217	10/15	1540	"	"	"	"	0.19	0.41					
218	10/22	1605	"	"	"	"	0.18	0.38					
219	10/29	1440	"	"	"	"	0.20	0.45					
220	11/5	1645	"	"	"	"	0.18	0.38					
221	11/12	1240	"	"	"	"	0.34	0.99					
222	11/19	1015	"	"	"	"	0.30	0.82					
223	11/25	1625	"	"	"	"	0.31	0.86					
224	12/3	1425	"	"	"	"	0.27	0.70					
225	12/11	0935	"	"	"	"	0.30	0.82					
226	12/17	1250	SARASUA – MEAD	"	"	"	0.31	0.86					
227	12/23	1330	SARASUA	"	"	"	0.32	0.90					
228	12/31	1345	"	"	"	"	0.40	1.3					
229	1/7	1535	"	"	"	"	0.40	1.3					
230	1/14	1550	"	"	"	"	0.40	1.3					
231	1/21	1550	SARASUA – SINGER	"	"	"	0.35	1.0					
232	1/28	1340	SARASUA – FABER	"	"	"	0.36	1.1					
233	2/4	1415	SARASUA	"	"	"	0.33	0.95					
234	2/11	1220	"	"	"	"	0.37	1.1					
235	2/18	1350	"	"	"	"	0.34	0.99					
236	2/25	0915	"	"	"	"	0.30	0.82					
237	3/4	1130	"	"	"	"	0.32	0.90					
238	3/11	1245	"	"	"	"	0.30	0.82					
239	3/18	1115	"	"	"	"	0.33	0.95					
240	3/25	1255	"	"	"	"	0.35	1.0					
241	4/2	1515	"	"	"	"	0.52	1.9					
242	4/8	1345	"	"	"	"	0.90	4.3					
243	4/15	1450	"	"	"	"	0.02	+					
244	4/22	1425	"	"	"	"	0.02	+					
245	4/29	1620	"	"	"	"	0.01	+					
246	5/20	1520	"	"	"	"	0.46	1.6					
247	5/27	1335	"	"	"	"		0					
248	6/24	1425	"	"	"	"	0.13	0.23					
249	7/2	1535	"	"	"	"	0.27	0.70					
250	7/8	1255	"	"	"	"	0.28	0.74					
251	7/15	1518	MC BRIDE	"	"	"	0.25	0.62					
252	7/22	1522	"	"	"	"	0.24	0.59					
253	7/29	1500	SARASUA	"	"	"	0.22	0.52					
254	8/5	1500	"	"	"	"	0.20	0.45					
255	8/12	1100	"	"	"	"	0.22	0.52					
256	8/19	1210	"	"	"	"	0.22	0.51					
257	8/26	1030	"	"	"	"		0.52					
258	9/2	1220	"	"	"	"		0.48					
259	9/8	1145	"	"	"	"		0.59					
260	9/16	1555	"	"	"	"		0.74					
261	9/23	1120	"	"	"	"		0.59					
262	9/29	1220	"	"	"	"		0.52					

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	E. HT. CHANGE TOTAL	METER NO.
			SAN ANTONIO EDISON CONDUIT at Ontario No. 1 Power House										
395	10/2	1050	SARASUA	9.05 FOOT RECT. WEIR			0.33	5.7					
396	10/8	1300	"	"	"	"	0.33	5.7					
397	10/15	1550	"	"	"	"	0.32	5.4					
398	10/22	1620	"	"	"	"	0.32	5.4					
399	10/29	1500	"	"	"	"	0.32	5.4					
400	11/5	1730	"	"	"	"	0.33	5.7					
401	11/12	1330	"	"	"	"	0.33	5.7					
402	11/19	1105	"	"	"	"	0.35	6.2					
403	11/25	1600	"	"	"	"	0.34	6.0					
404	12/3	1500	"	"	"	"	0.34	6.0					
405	12/11	1015	"	"	"	"	0.33	5.7					
406	12/17	1400	SARASUA – MEAD	"	"	"	0.34	6.0					
407	12/23	1355	SARASUA	"	"	"	0.34	6.0					
408	12/31	1415	"	"	"	"	0.35	6.2					
409	1/7	1605	"	"	"	"	0.37	6.8					
410	1/14	1430	"	"	"	"	0.36	6.5					
411	1/21	1645	SARASUA – SINGER	"	"	"	0.36	6.5					
412	1/28	1430	SARASUA – FABER	"	"	"	0.37	6.8					
413	2/4	1450	SARASUA	"	"	"	0.37	6.8					
414	2/11	1255	"	"	"	"	0.37	6.8					
415	2/18	1420	"	"	"	"	0.37	6.8					
416	2/25	1000	"	"	"	"	0.37	6.8					
417	3/4	1205	"	"	"	"	0.36	6.5					
418	3/11	1315	"	"	"	"	0.35	6.2					
419	3/18	1220	"	"	"	"	0.36	6.5					
420	3/25	1335	"	"	"	"	0.35	6.2					
421	4/2	1600	"	"	"	"	0.52	11.3					
422	4/8	1435	"	"	"	"	0.53	11.5					
423	4/15	1525	"	"	"	"	0.50	10.6					
424	4/22	1525	"	"	"	"	0.59	13.7					
425	4/29	1650	"	"	"	"	0.79	21.2					
426	5/6	1620	"	"	"	"	0.81	22.0					
427	5/13	1420	"	"	"	"	0.80	21.6					
428	5/20	1607	"	"	"	"	0.80	21.6					
429	5/27	1425	"	"	"	"	0.80	21.6					
430	6/3	1700	"	"	"	"	0.76	20.0					
431	6/10	1310	"	"	"	"	0.70	17.7					
432	6/17	1530	"	"	"	"	0.65	15.8					
433	6/24	1455	"	"	"	"	0.60	14.0					
434	7/2	1605	"	"	"	"	0.55	12.3					
435	7/8	1330	"	"	"	"	0.53	11.6					
436	7/15	1606	MC BRIDE	"	"	"	0.52	11.3					
437	7/22	1530	"	"	"	"	0.49	10.3					
438	7/29	1520	SARASUA	"	"	"	0.48	10.0					
439	8/5	1530	"	"	"	"	0.44	8.8					
440	8/12	1130	"	"	"	"	0.45	9.1					
441	8/19	1240	"	"	"	"	0.42	8.2					
442	8/26	1055	"	"	"	"		8.2					
443	9/2	1300	"	"	"	"		7.3					
444	9/8	1205	"	"	"	"		7.5					
445	9/16	1625	"	"	"	"		7.3					
446	9/23	1225	"	"	"	"		7.3					
447	9/29	1255	"	"	"	"		7.1					

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			EVEY CREEK–CITY OF POMONA DIVERSION–CANYON WATER CO.										
			Diversion at Mouth of Canyon										
396	10/2	1105	SARASUA	90° V–NOTCH WEIR			0.18	0.04					
397	10/8	1235	"	"	"	"	0.18	0.04					
398	10/15	1555	"	"	"	"	0.19	0.04					
399	10/22	1630	"	"	"	"	0.18	0.04					
400	10/29	1450	"	"	"	"	0.19	0.04					
401	11/5	1725	"	"	"	"	0.18	0.04					
402	11/12	1305	"	"	"	"	0.25	0.08					
403	11/19	1305	"	"	"	"	0.30	0.13					
404	11/25	1540	"	"	"	"	0.28	0.11					
405	12/3	1435	"	"	"	"	0.27	0.10					
406	12/11	0950	"	"	"	"	0.28	0.11					
407	12/17	1355	SARASUA – MEAD	"	"	"	0.29	0.12					
408	12/23	1340	SARASUA	"	"	"	0.32	0.15					
409	12/31	1355	"	"	"	"	0.32	0.15					
410	1/7	1540	"	"	"	"	0.36	0.20					
411	1/14	1410	"	"	"	"	0.30	0.13					
412	1/21	1625	SARASUA – SINGER	"	"	"	0.30	0.13					
413	1/28	1405	SARASUA – FABER	"	"	"	0.31	0.14					
414	2/5	1425	SARASUA	"	"	"	0.32	0.15					
415	2/11	1235	"	"	"	"	0.33	0.16					
416	2/18	1355	"	"	"	"	0.31	0.14					
417	2/25	0935	"	"	"	"	0.30	0.13					
418	3/4	1145	"	"	"	"	0.30	0.13					
419	3/11	1300	"	"	"	"	0.29	0.12					
420	3/18	1205	"	"	"	"	0.32	0.15					
421	3/25	1315	"	"	"	"	0.30	0.13					
422	4/2	1605	"	"	"	"	0.44	0.33					
423	4/8	1450	"	"	"	"	0.30	0.13					
424	4/15	1530	"	"	"	"	0.28	0.11					
425	4/22	1530	"	"	"	"	0.26	0.09					
426	4/29	1655	"	"	"	"	0.27	0.10					
427	5/6	1625	"	"	"	"	0.27	0.10					
428	5/13	1425	"	"	"	"	0.27	0.10					
429	5/20	1610	"	"	"	"	0.27	0.10					
430	5/27	1430	"	"	"	"	0.27	0.10					
431	6/3	1705	"	"	"	"	0.27	0.10					
432	6/10	1315	"	"	"	"	0.26	0.09					
433	6/17	1540	"	"	"	"	0.30	0.13					
434	6/24	1505	"	"	"	"	0.29	0.12					
435	7/2	1545	"	"	"	"	0.27	0.10					
436	7/8	1315	"	"	"	"	0.24	0.07					
437	7/15	1616	MC BRIDE	"	"	"	0.22	0.06					
438	7/22	1540	"	"	"	"	0.21	0.05					
439	7/29	1510	SARASUA	"	"	"	0.20	0.05					
440	8/5	1510	"	"	"	"	0.19	0.04					
441	8/12	1120	"	"	"	"	0.18	0.04					
442	8/19	1225	"	"	"	"	0.18	0.04					
443	8/26	1100	"	"	"	"		0.04					
444	9/2	1245	"	"	"	"		0.04					
445	9/8	1210	"	"	"	"		0.03					
446	9/16	1605	"	"	"	"		0.04					
447	9/23	1205	"	"	"	"		0.04					
448	9/29	1300	"	"	"	"		0.04					

PERCOLATION LOSSES ON PACOIMA CREEK
BASED ON METER MEASUREMENTS
1963–64

DATE	OUTFLOW PACOIMA DAM F1188–R	NEAR DAM TENDER'S HOUSE	LOSS CFS	70' BELOW CONFLUENCE WITH DUCKWORTH DIVERSION (FLOW TO CHANNEL)	LOSS CFS	25' UPSTREAM OF DUCKWORTH WELL #1	LOSS CFS	50' BELOW HARDING STREET BRIDGE	LOSS CFS	INFLOW TO LOPEZ SPREADING GROUNDS	LOSS CFS
6–8	17.2	15.2	2.0	13.7	1.5 [1]	12.7	1.0	11.0	1.7	8.1	2.9

[1] DIVERTED FLOW TO RANCH

PERCOLATION LOSSES ON BIG TUJUNGA CREEK
BASED ON METER MEASUREMENTS
1963–64

DATE	OUTFLOW FROM DAM	GAGING STATION F168–R	(+) GAIN OR (–) LOSS	GAGING STATION F213–R ABOVE GOLD CANYON	(+) GAIN OR (–) LOSS	L.A.W.D. DIVERSION	LOSS CFS	FLOW AT ORO VISTA STREET	(+) GAIN OR [2] (–) LOSS	FLOW BELOW ORO VISTA STREET	LOSS CFS
2–5		+		2.1	+ 2.1	1.2 [1]	0.9	0.26	+ 0.26	0	0.26
3–5		+		1.5	+ 1.5	0.45 [1]	1.05	1.10 [2]	+ 0.10	0	0.10
6–18	6.8	6.9	+ 0.1	7.0	+ 0.1	5.8 [1]	1.2	1.0 [3]	+ 1.0	0	1.0
8–6	10.2	9.2	– 1.0	9.4	+ 0.2	6.7 [1]	2.7	1.5 [3]	+ 1.5	0	1.5
8–13	7.8	8.1	+ 0.3	8.4	+ 0.3	5.0 [1]	3.4	1.0 [2]	+ 1.0	0	1.0

[1] L.A.W.D. TAKING ALL FLOW
[2] RISING WATER
[3] INCLUDING LEAKAGE FROM BASINS

PERCOLATION LOSSES ON BIG TUJUNGA CREEK
BASED ON METER MEASUREMENTS
1964–65

DATE	OUTFLOW BIG TUJUNGA DAM	GAGING STATION F168–R	(+) GAIN OR (–) LOSS	GAGING STATION F213–R ABOVE GOLD CANYON	(+) GAIN OR (–) LOSS	L.A.W.D. DIVERSION	LOSS CFS	AT ORO VISTA STREET	(+) GAIN OR (–) LOSS	BELOW ORO VISTA STREET	LOSS CFS
8–26	8.1	7.6	– 0.5	7.0	– 0.6	N.D.		0			
9–8	7.5	7.4	– 0.1	7.6	+ 0.2	5.1 [1]	2.5	0.1	+ 0.1 [2]	0	0.1

N.D. NOT DETERMINED
[1] L.A.W.D. TAKING ALL FLOW
[2] RISING WATER

PERCOLATION LOSSES ON SAN DIMAS CREEK
BASED ON METER MEASUREMENTS
1964–65

DATE	GAGING STATION F218–R	400' ABOVE LINED CHANNEL	LOSS CFS	HEAD OF LINED CHANNEL AT DIVERSION HWKS.	LOSS CFS	AT SAN DIMAS AVENUE	LOSS CFS	AT CATARACT AVENUE	LOSS CFS	AT NASH LANE	LOSS CFS	AT AMELIA AVENUE	LOSS CFS	AT FORBES PIT	LOSS CFS
5–4				5.0		4.0	1.0	3.7	0.3	3.7	0	3.5	1.2	1.3	2.2
5–11	22.5	9.1	13.4	9.1	0										
5–11				10.3		8.8	1.5					7.5	1.3	5.0	2.5
5 12				10.0		9.4	0.6	8.1	1.3			7.6	0.5	6.7	0.9

PERCOLATION LOSSES ON RIO HONDO
BASED ON METER MEASUREMENTS
1963–64

POINT OF FLOW	10–10 CFS	10–10 (–) LOSS OR (+) GAIN	7–20 CFS	7–20 (–) LOSS OR (+) GAIN	8–30 CFS	8–30 (–) LOSS OR (+) GAIN	9–29 CFS	9–29 (–) LOSS OR (+) GAIN	9–30 CFS	9–30 (–) LOSS OR (+) GAIN
GAGING STATION E326–R	2.29		2.03		0.61		2.15		2.0 E	
100' BELOW END OF LINED CHANNEL										
200' " " " " "	1.73	– 0.56	2.00	– 0.03						
500' " " " " "					0.80	+ 0.19				
1000' " " " " "			2.05	+ 0.05	0.85	+ 0.05				
1200' " " " " "							2.29	+ 0.14		
1700' " " " " "			1.88	– 0.17			1.39	– 0.90		
700' ABOVE ALHAMBRA WASH	1.88	+ 0.15								
50' " " " "			1.53	– 0.35	0.36	– 0.49	1.15	– 0.24	0.72	– 1.28
ALHAMBRA WASH AT MOUTH (INFLOW)	0.54		1.38		0.35		0.85		0.53	
200' BELOW ALHAMBRA WASH					0.92	+ 0.21	2.35	+ 0.35	1.57	+ 0.32
300' " " "			2.14	+ 0.23						
350' " " "	2.58	+ 0.16								
600' " " "			2.32	+ 0.18						
700' " "	2.32	– 0.26								
800' " " "							2.21	– 0.14		
1500' ABOVE GAGING STATION F64–R			0.97	– 1.35						
1000' " " " "	1.74	– 0.58					0.41	– 1.80		
800' " " " "			1.31	+ 0.34						
500' " " " "	2.13	+ 0.39					0	– 0.41		
GAGING STATION F64– R	1.89	– 0.24	1.45	+ 0.14						
300' BELOW STATION F64–R			0.83	– 0.62						
AT SAN GABRIEL BOULEVARD			0	– 0.83						

PERCOLATION LOSSES ON RIO HONDO
BASED ON METER MEASUREMENTS
1964–65

POINT OF FLOW	6–8 CFS	6–8 (–) LOSS OR (+) GAIN	6–10 CFS	6–10 (–) LOSS OR (+) GAIN	7–20 CFS	7–20 (–) LOSS OR (+) GAIN	8–19 CFS	8–19 (–) LOSS OR (+) GAIN	9–2 CFS	9–2 (–) LOSS OR (+) GAIN
GAGING STATION E326–R	0.72				1.86		2.19		2.37	
150' BELOW END OF LINED CHANNEL					2.01	+ 0.15				
200' " " " " "	1.03	+ 0.31								
800' " " " " "	0.91	– 0.09								
1000' " " " " "					1.65	– 0.36				
1200' " " " " "	0.87	– 0.04								
2500' " " " " "					1.50	– 0.15				
50' ABOVE ALHAMBRA WASH	0.56	– 0.31	0.24		1.10	– 0.40	1.38	– 0.81	1.61	– 0.76
ALHAMBRA WASH AT MOUTH (INFLOW)	0.42		1.04		0.78		0.26		0.54	
800' BELOW ALHAMBRA WASH	1.26	+ 0.28								
1200' " " "					1.61	– 0.37				
2700' ABOVE F64–R ABOVE FREEWAY X-ING.	1.42	+ 0.16	1.50	+ 0.22			1.71	+ 0.07	2.11	– 0.04
2600' " " WELL POINTS (INFLOW)	1.13	+ 1.13			1.61		0.14			
2500' " " BELOW FREEWAY X-ING.	2.55						1.76	– 0.09		
2000' " "					2.32	– 0.90				
1600' " " 900' BELOW FREEWAY "			1.91 [1/]	+ 0.41						
1000' " "			2.07	+ 0.16						
900' " "	2.08	– 0.47								
GAGING STATION F64–R	2.68	+ 0.60	3.21	+ 1.14	1.52	– 0.80	0.64	– 1.12	1.16	– 0.95
200' BELOW SAN GABRIEL BOULEVARD					1.34	– 0.18				
300' " " " "	3.53	+ 0.85	2.57	– 0.64						

[1/] Includes flow from wells discharging into Rio Hondo.

PERCOLATION LOSSES ON SAN GABRIEL RIVER
BASED ON METER MEASUREMENTS
1963–64

POINT OF FLOW	10–8 CFS	10–8 (–) LOSS OR (+) GAIN	10–10 CFS	10–10 (–) LOSS OR (+) GAIN	10–14 CFS	10–14 (–) LOSS OR (+) GAIN	10–17 CFS	10–17 (–) LOSS OR (+) GAIN	10–22 CFS	10–22 (–) LOSS OR (+) GAIN
M.W.D. OUTLET STATION M335–R	295.		298.		295.		200.		210.	
VALLEY BOULEVARD STATION F261C–R	251.	– 44.	259.	– 39.						
ABOVE WHITTIER NARROWS DAM	209.	– 42.	218.	– 41.	222.	– 73.	137.	– 63.	143.	– .67
RECLAMATION OUTFLOW										
RISING WATER (ESTIMATED)										
BEVERLY BOULEVARD STATION F263–R	184.	– 25.	200.	– 18.			113.	– 24.		
SPREADING GROUND HEADWORKS	143.	– 41.	180.	– 20.	186.	– 36.				
TO SPREADING GROUNDS										
TO RIVER										
WASHINGTON BOULEVARD										
SLAUSON AVENUE										
TELEGRAPH ROAD										
2 BASINS ABOVE SANTA ANA FREEWAY										

POINT OF FLOW	10–24		10–29		10–31		11–4	
M.W.D. OUTLET STATION M335–R	208.		310.		298.		298.	
VALLEY BOULEVARD STATION F261C–R	175.	– 33.			262.	– 36.	227.	– 71.
ABOVE WHITTIER NARROWS DAM	132.	– 43.	235.	– 75.	321.	– 31.		
RECLAMATION OUTFLOW					17.4	+ 17.4	17.	+ 17.
RISING WATER (ESTIMATED)	1.0		1.0		1.3	+ 1.3	1.0	+ 1.0
BEVERLY BOULEVARD STATION F263–R	117.	– 16.						
SPREADING GROUND HEADWORKS	114.	– 3.0	205.	– 31.	222.	– 27.7	226.	– 19.
TO SPREADING GROUNDS							116.	
TO RIVER							110.	
WASHINGTON BOULEVARD							72.9	– 37.1
SLAUSON AVENUE							52.3	– 20.6
TELEGRAPH ROAD							14.2	– 38.1
2 BASINS ABOVE SANTA ANA FREEWAY							0	– 14.2

POINT OF FLOW	11–20		12–3		12–11		12–17		10–23	
M.W.D. OUTLET STATION M335–R	230.		175.		195.		205.		212.	
VALLEY BOULEVARD STATION F261C–R	203.	– 27.			175.	– 20.				
THINES AVENUE	196.	– 7.0								
ABOVE WHITTIER NARROWS DAM	157.	– 39.	109.	– 64.	131.	– 44.	145.	– 60.	150.	– 62.
RISING WATER (ESTIMATED)			2.6	+ 2.6	2.9	+ 2.9				
BEVERLY BOULEVARD STATION F263–R				– 35.7						
SPREADING GROUND HEADWORKS			109.	– 2.6	118.	– 15.9				
WASHINGTON BOULEVARD			73.3	– 3.0	61.4	– 56.6				
SLAUSON AVENUE			51.7	– 21.6	50.1	– 11.3				
TELEGRAPH ROAD			16.7	– 35.0	17.2	– 32.9				
4 BASINS BELOW TELEGRAPH ROAD			0	– 16.7						
2 BASINS ABOVE SANTA ANA FREEWAY					0	– 17.2				

POINT OF FLOW	12–30		1–7		1–9		1–14	
M.W.D. OUTLET STATION M335–R	212.		203.		198.		198.	
VALLEY BOULEVARD STATION F261C–R					162.	– 36.		
THINES AVENUE								
ABOVE WHITTIER NARROWS DAM	137.	– 75.	138.	– 65.			137.	– 61.
RISING WATER (ESTIMATED)					4.2	+ 4.2		
BEVERLY BOULEVARD STATION F263–R					145.	– 21.2		
SPREADING GROUND HEADWORKS					130.	– 15.		
WASHINGTON BOULEVARD					75.6	– 54.4		
SLAUSON AVENUE					69.6	– 6.0		
TELEGRAPH ROAD					12.0	– 57.6		
4 BASINS BELOW TELEGRAPH ROAD								
2 BASINS ABOVE SANTA ANA FREEWAY								

PERCOLATION LOSSES ON SAN GABRIEL RIVER
BASED ON METER MEASUREMENTS
1963–64

POINT OF FLOW	4–23 CFS	4–23 (–) LOSS OR (+) GAIN	4–27 CFS	4–27 (–) LOSS OR (+) GAIN	4–29 CFS	4–29 (–) LOSS OR (+) GAIN	5–4 CFS	5–4 (–) LOSS OR (+) GAIN	5–5 CFS	5–5 (–) LOSS OR (+) GAIN
M.W.D. OUTLET STATION M335–R	238.		225.		245.		245.			
VALLEY BOULEVARD STATION F261C–R	168.	– 70.			204.	– 41.				
SAN JOSE CHANNEL (INFLOW)	3.0	+ 3.0			4.0	+ 4.0				
PECK ROAD STATION E322–R										
ABOVE WHITTIER NARROWS DAM	153.	– 18.	155.	– 70.	176.	– 32.	162.	– 83.		
RISING WATER (ESTIMATED)	2.0	+ 2.0	2.3	+ 2.3	2.4	+ 2.4	2.5	+ 2.5		
BEVERLY BOULEVARD STATION F263–R	132.	– 23.			163.	– 15.4				
SPREADING GROUND HEADWORKS	109.	– 23.	143.	– 14.3	155.	– 8.0	153.	– 11.5		
TO SPREADING GROUNDS										
TO RIVER									130.	
WASHINGTON BOULEVARD									79.1	– 50.9
SLAUSON AVENUE										
TELEGRAPH ROAD									28.4	– 50.7
500' ABOVE SANTA ANA FREEWAY										
SANTA ANA FREEWAY									5.3	– 23.1

POINT OF FLOW	5–7		5–11		5–14		5–20	
M.W.D. OUTLET STATION M335–R	248.		240.		246.		246.	
VALLEY BOULEVARD STATION F261C–R	188.	– 50.			193.	– 53.	196.	– 50.
SAN JOSE CHANNEL (INFLOW)							1.5	+ 1.5
PECK ROAD STATION E322–R							189.	– 8.5
ABOVE WHITTIER NARROWS DAM	164.	– 24.	156.	– 84.	159.	– 34.	161.	– 28.
RISING WATER (ESTIMATED)	2.6	+ 2.6			2.8	+ 2.8	3.0	+ 3.0
BEVERLY BOULEVARD STATION F263–R	151.	– 15.6					169.	+ 5.0
SPREADING GROUND HEADWORKS	150.	– 1.0			152.	– 9.8	150.	– 19.
TO SPREADING GROUNDS							36.	
TO RIVER							114.	
WASHINGTON BOULEVARD							82.6	– 31.4
SLAUSON AVENUE							56.9	– 25.7
TELEGRAPH ROAD							10.0	– 46.9
500' ABOVE SANTA ANA FREEWAY							0	– 10.0
SANTA ANA FREEWAY								

PERCOLATION LOSSES ON SAN GABRIEL RIVER
BASED ON METER MEASUREMENTS
1964–65

POINT OF FLOW	10–2 CFS	10–2 (–) LOSS OR (+) GAIN	10–5 CFS	10–5 (–) LOSS OR (+) GAIN	10–8 CFS	10–8 (–) LOSS OR (+) GAIN	10–13 CFS	10–13 (–) LOSS OR (+) GAIN	10–15 CFS	10–15 (–) LOSS OR (+) GAIN
MORRIS OUTFLOW BELOW DAM										
GAGING STATION U–8–R										
OLD CONTRACT TUNNEL										
TOTAL OUTFLOW AT MOUTH										
COMMITTEE OF NINE DIVERSION										
LEAKAGE PAST DIVERSION										
M.W.D. OUTLET STATION M335–R	275.		230.		182.		245.		288.	
VALLEY BOULEVARD STATION F261C–R	208.	– 67.			149.	– 33.			245.	– 43.
ABOVE WHITTIER NARROWS DAM	160.	– 48.	143.	– 87.	109.	– 40.	165.	– 80.	207.	– 38.
RECLAMATION PLANT OUTFLOW	14.1	+ 14.1			21.4	+ 21.4				
BEVERLY BOULEVARD STATION F263–R	145.	– 29.1			102.	– 28.4				
SPREADING GROUND HEADWORKS	112.	– 33.			99.4	– 2.6			173.	– 34.
TO RIVER										
WASHINGTON BOULEVARD										
SLAUSON AVENUE										

POINT OF FLOW	10–19		10–20		10–22		10–26	
MORRIS OUTFLOW BELOW DAM	32.5				33.1			
GAGING STATION U–8–R	24.4				25.9			
OLD CONTRACT TUNNEL	10.8				9.3			
TOTAL OUTFLOW AT MOUTH	35.2	+ 2.7			34.6	+ 1.5		
COMMITTEE OF NINE DIVERSION	27.2				30.1			
LEAKAGE PAST DIVERSION	0.2	– 7.8			0.15	– 4.35		
M.W.D. OUTLET STATION M335–R	255.				182.		265.	
VALLEY BOULEVARD STATION F261C–R					156.	– 26.		
ABOVE WHITTIER NARROWS DAM	167.	– 88.			103.	– 53.	178.	– 87.
RECLAMATION PLANT OUTFLOW					22.	+ 22.		
BEVERLY BOULEVARD STATION F263–R					101.	– 24.		
SPREADING GROUND HEADWORKS								
TO RIVER			146.					
WASHINGTON BOULEVARD			74.1	– 71.9				
SLAUSON AVENUE			52.5	– 21.6				

POINT OF FLOW	10–28		11–2		11–5		11–16		11–19	
MORRIS OUTFLOW BELOW DAM	13.4				13.9					
GAGING STATION U–8–R	7.6				7.0					
OLD CONTRACT TUNNEL	7.3				7.1					
TOTAL OUTFLOW AT MOUTH	14.9	+ 1.5			14.1	+ 0.2				
COMMITTEE OF NINE DIVERSION	9.5	– 5.4			7.1	– 7.0				
M.W.D. OUTLET STATION M335–R			235.		263.		230.		198.	
VALLEY BOULEVARD STATION F261C–R					222.	– 41.			170.	– 28.
SAN JOSE CHANNEL (INFLOW)							3.0	+ 3.0		
PECK ROAD STATION E322–R										
ABOVE WHITTIER NARROWS DAM			159.	– 75.	188.	– 34.	179.	– 54.	147.	– 23.
RISING WATER (ESTIMATED)					1.0	+ 1.0			1.5	+ 1.5
BEVERLY BOULEVARD STATION F263–R					169.	– 20.			126.	– 22.5
SPREADING GROUND HEADWORKS,									119.	– 7.0

PERCOLATION LOSSES ON SAN GABRIEL RIVER
BASED ON METER MEASUREMENTS
1964–65

(TABLE CONTINUED)

POINT OF FLOW	CFS	(–) LOSS OR (+) GAIN	5–27 CFS	5–27 (–) LOSS OR (+) GAIN	6–3 CFS	6–3 (–) LOSS OR (+) GAIN	6–8 CFS	6–8 (–) LOSS OR (+) GAIN	6–10 CFS	6–10 (–) LOSS OR (+) GAIN
GAGING STATION U–8–R							274.		280.	
OLD CONTRACT TUNNEL							9.0	+ 9.0	11.8	+ 11.8
TOTAL OUTFLOW AT MOUTH							283.		291.8	
SPREADING CANAL WASTE TO RIVER							38.	+ 38.	39.2	+ 39.2
FOOTHILL BOULEVARD STATION F190–R							248.	– 73.	279.	– 52.
INFLOW SANTA FE SPREADING GROUNDS							228.	– 20.	262.	– 17.
M.W.D. OUTLET STATION M335–R			202.		203.					
VALLEY BOULEVARD STATION F261C–R			159.	– 43.	173.	– 30.				
SAN JOSE CHANNEL (INFLOW)			4.4	+ 4.4	4.0	+ 4.0				
ABOVE WHITTIER NARROWS DAM			125.	– 38.4	128.	– 49.				
RECLAMATION PLANT (OUTFLOW)										
RISING WATER (ESTIMATED)			3.0	+ 3.0	2.4	+ 2.4				
BEVERLY BOULEVARD STATION F263–R			114.	– 15.	127.	– 3.4				
SPREADING GROUND HEADWORKS			107.	– 5.0	106.	– 21.				

POINT OF FLOW	6–14		6–17		6–18		6–21		6–24	
GAGING STATION U–8–R	277.		220.				211.			
OLD CONTRACT TUNNEL	11.6	+ 11.6	11.6	+ 11.6			12.1	+ 12.1		
TOTAL OUTFLOW AT MOUTH	288.6		231.6				223.1			
SPREADING CANAL WASTE TO RIVER	41.2	+ 41.2	42.3	+ 42.3			37.1	+ 37.1		
FOOTHILL BOULEVARD STATION F190–R	301.	– 28.8	240.	– 33.9			237.	– 23.2		
SANTA FE SPREADING GROUNDS (INFLOW)	223.	– 78.	193.				193.			
ABOVE RAILROAD BRIDGE AT DIVERSION			15.8	– 31.2			19.7	– 24.3		
SANTA FE SPREADING GROUNDS (OUTFLOW)	15.9	– 207.1	3.0	– 205.8						
INFLOW SANTA FE DAM	0	– 15.9	0	– 3.0			0	– 212.7		
M.W.D. OUTLET STATION M335–R					285.				251.	
VALLEY BOULEVARD STATION F261C–R					204.	– 81.			184.	– 67.
SAN JOSE CHANNEL (INFLOW)					4.0	+ 4.0			3.0	+ 3.0
ABOVE WHITTIER NARROWS DAM					172.	– 36.			152.	– 35.
RECLAMATION PLANT (OUTFLOW)										
SAN JOSE CREEK (INFLOW)										
1500' ABOVE PARKWAY BRIDGE										
RISING WATER (ESTIMATED)					2.1	+ 2.1			2.0	+ 2.0
BEVERLY BOULEVARD STATION F263–R					150.	– 24.1			138.	– 16.
SPREADING GROUND HEADWORKS					138.	– 12.			129.	– 9.0

POINT OF FLOW	7–2		7–8		7–14		7–22	
GAGING STATION U–8–R								
OLD CONTRACT TUNNEL								
TOTAL OUTFLOW AT MOUTH								
SPREADING CANAL WASTE TO RIVER								
FOOTHILL BOULEVARD STATION F190–R								
SANTA FE SPREADING GROUNDS (INFLOW)								
ABOVE RAILROAD BRIDGE AT DIVERSION								
SANTA FE SPREADING GROUNDS (OUTFLOW)								
INFLOW SANTA FE DAM								
M.W.D. OUTLET STATION M335–R	203.		203.		246.			
VALLEY BOULEVARD STATION F261C–R	142.	– 61.	148.	– 56.	180.	– 66.		
SAN JOSE CHANNEL (INFLOW)	2.0	+ 2.0	3.0	+ 3.0	3.0	+ 3.0		
ABOVE WHITTIER NARROWS DAM	113.	– 31.	111.	– 40.	144.	– 39.		
RECLAMATION PLANT (OUTFLOW)							19.6	
SAN JOSE CREEK (INFLOW)							0.5	+ 0.5
1500' ABOVE PARKWAY BRIDGE							21.2	+ 1.1
RISING WATER (ESTIMATED)	1.7	+ 1.7	2.0	+ 2.0	1.3	+ 1.3		
BEVERLY BOULEVARD STATION F263–R	101.	– 13.7	93.	– 20.			18.1	– 3.1
SPREADING GROUND HEADWORKS	86.	– 15.	86.	– 7.0	117.	– 28.3		

POINT OF FLOW	9–16		9–21		9–22		9–23		9–24	
M.W.D. OUTLET STATION M335–R			101.		110.		119.		101.	
BELOW OUTLET			8.9	– 92.1 [1]	12.2	– 97.8 [1]	18.8	–100.2 [1]	20.3	– 80.7 [1]
700' BELOW OUTLET										
WALNUT WASH (PUDDINGSTONE RELEASE)	300.						290.			
VALLEY BOULEVARD STATION F261C–R	254.	– 46.					256.	– 32.		
ABOVE WHITTIER NARROWS DAM	229.	– 25.					239.	– 19.		
RECLAMATION PLANT (OUTFLOW)	28.	+ 28.								
BEVERLY BOULEVARD STATION F263–R	242.	– 15.					221.	– 18.		
SPREADING GROUND HEADWORKS	224.	– 18.					211.	– 10.		

POINT OF FLOW	9–27		9–28		9–29		9–30	
M.W.D. OUTLET STATION M335–R	135.		133.		133.		122.	
BELOW OUTLET	37.0	– 98. [1]	40.4	– 92.6 [1]	46.2	– 86.8 [1]	41.3	– 80.7 [1]
700' BELOW OUTLET					0	– 46.2 [1]		
WALNUT WASH (PUDDINGSTONE RELEASE)								
VALLEY BOULEVARD STATION F261C–R					217.			
ABOVE WHITTIER NARROWS DAM					199.	– 18.		
RECLAMATION PLANT OUTFLOW								
BEVERLY BOULEVARD STATION F263–R					186.	– 13.		
SPREADING GROUND HEADWORKS					173.	– 13.		

[1] Temporary levees were placed in river bottom to form basins for percolating purchased water into upper Main Basin.

PERCOLATION LOSSES ON SAN GABRIEL RIVER
BASED ON METER MEASUREMENTS
1964-65

(TABLE CONTINUED) POINT OF FLOW	CFS	(-) LOSS OR (+) GAIN	11-23 CFS	11-23 (-) LOSS OR (+) GAIN	11-30 CFS	11-30 (-) LOSS OR (+) GAIN	12-3 CFS	12-3 (-) LOSS OR (+) GAIN	12-16 CFS	12-16 (-) LOSS OR (+) GAIN
MORRIS OUTFLOW BELOW DAM										
GAGING STATION U-8-R										
OLD CONTRACT TUNNEL										
TOTAL OUTFLOW AT MOUTH										
COMMITTEE OF NINE DIVERSION										
M.W.D. OUTLET STATION M335-R			223.		220.		220.		212.	
VALLEY BOULEVARD STATION F261C-R							201.	- 19.	184.	- 28.
SAN JOSE CHANNEL (INFLOW)										
PECK ROAD STATION E322-R									164.	- 20.
ABOVE WHITTIER NARROWS DAM			173.	- 50.	160.	- 60.	175.	- 26.	159.	- 5.0
RISING WATER (ESTIMATED)							2.0	+ 2.0	2.0	+ 2.0
BEVERLY BOULEVARD STATION F263-R							164.	- 23.	140.	- 21.
SPREADING GROUND HEADWORKS							140.	- 24.	135.	- 5.0
POINT OF FLOW	12-22		1-11		1-14		1-21		1-27	
M.W.D. OUTLET STATION M335-R	205.		205.		208.		196.		194.	
BELOW OUTLET										
WALNUT WASH INFLOW										
VALLEY BOULEVARD STATION 261C-R	180.	- 25.			193.	- 15.	175.	- 21.	168.	- 26.
SAN JOSE CHANNEL (INFLOW)					3.0	+ 3.0				
PECK ROAD STATION E322-R	162.	- 18.			174.	- 22.				
ABOVE WHITTIER NARROWS DAM	159.	- 3.0	160.	- 45.	167.	- 7.0	144.	- 31.	159.	- 9.0
RISING WATER (ESTIMATED)			2.0	+ 2.0	2.0	+ 2.0	2.6	+ 2.6	2.7	+ 2.7
BEVERLY BOULEVARD STATION F263-R					152.	- 17.			137.	- 24.7
SPREADING GROUND HEADWORKS			151.	- 11.	145.	- 7.0	130.	- 16.6	130.	- 7.0
TELEGRAPH ROAD										
POINT OF FLOW			2-2		2-8		2-9		2-11	
M.W.D. OUTLET STATION M335-R			295.		260.		262.		272.	
BELOW OUTLET			251.	- 44.	210.	- 50.				
WALNUT WASH (INFLOW)					6.8	+ 6.8	1.2	+ 1.2		
VALLEY BOULEVARD STATION F261C-R			138.	- 113. [1]	91.8	- 125. [1]	104.	- 159.2 [1]	129.	- 143. [1]
SAN JOSE CHANNEL (INFLOW)							5.7	+ 5.7		
PECK ROAD STATION F322-R										
ABOVE WHITTIER NARROWS DAM							91.9	- 17.8	118.	- 11.
RISING WATER (ESTIMATED)							2.5	+ 2.5	2.5	+ 2.5
BEVERLY BOULEVARD STATION F263-R							77.4	- 17.0	116.	- 4.5
SPREADING GROUND HEADWORKS							70.4	- 6.7	101.	- 15.
TELEGRAPH ROAD									9.2	- 91.8
POINT OF FLOW	2-16		2-25		3-1		3-2		3-4	
M.W.D. OUTLET STATION M335-R	272.		308.		309.		345.		345.	
BELOW OUTLET	236.	- 36. [1]			278.	- 31. [1]	313.	- 32. [1]		
VALLEY BOULEVARD STATION F261C-R	134.	- 102. [1]	174.	- 136. [1]	184.	- 94. [1]	211.	- 102. [1]	213.	- 132. [1]
SAN JOSE CHANNEL (INFLOW)	5.0	+ 5.0								
ABOVE WHITTIER NARROWS DAM	121.	- 18.	150.	- 24.					173.	- 40.
RISING WATER (ESTIMATED)	2.5	+ 2.5	2.6	+ 2.6	2.7	+ 2.7	2.7	+ 2.7	2.8	+ 2.8
BEVERLY BOULEVARD F263-R	115.	- 8.5	138.	- 14.6					160.	- 15.8
SPREADING GROUND HEADWORKS	106.	- 9.0	125.	- 13.	127.	- 59.7	142.	- 71.7	155.	- 5.0
TELEGRAPH ROAD										
5 BASINS BELOW TELEGRAPH ROAD										
POINT OF FLOW			3-10		3-11		3-18		3-25	
M.W.D. OUTLET STATION M335-R			250.				298.		184.	
BELOW OUTLET			235.	- 15. [1]						
VALLEY BOULEVARD STATION 261C-R			147.	- 88.			178.	- 120. [1]	145.	- 39.
SAN JOSE CHANNEL (INFLOW)										
ABOVE WHITTIER NARROWS DAM			122.	- 25.			161.	- 17.	123.	- 22.
RISING WATER (ESTIMATED)			2.7	+ 2.7			2.9	+ 2.9	3.1	+ 3.1
BEVERLY BOULEVARD F263-R			104.	- 20.7			142.	- 21.9	108.	- 18.1
SPREADING GROUND HEADWORKS			103.	- 1.0	95.0		138.	- 4.0	105.	- 3.0
TELEGRAPH ROAD			20.9	- 82.1	13.1	- 81.9				
5 BASINS BELOW TELEGRAPH ROAD					0	- 13.1				
POINT OF FLOW	4-22		4-29		5-6		5-13		5-20	
GAGING STATION U-8-R										
OLD CONTRACT TUNNEL										
TOTAL OUTFLOW AT MOUTH										
SPREADING CANAL WASTE TO RIVER										
FOOTHILL BOULEVARD STATION F190-R										
INFLOW SANTA FE SPREADING GROUNDS										
M.W.D. OUTLET STATION M335-R	205.		182.		237.		200.		202.	
VALLEY BOULEVARD STATION F261C-R	160.	- 45.	150.	- 32.	189.	- 48.	151.	- 49.	160.	- 42.
SAN JOSE CHANNEL (INFLOW)							4.0	+ 4.0	4.0	+ 4.0
ABOVE WHITTIER NARROWS DAM	141.	- 19.	114.	- 36.	162.	- 27.	125.	- 30.	120.	- 44.
RECLAMATION PLANT (OUTFLOW)					11.5	+ 11.5				
RISING WATER (ESTIMATED)	3.0	+ 3.0	2.9	+ 2.9	2.8	+ 2.8	2.7	+ 2.7	3.0	+ 3.0
BEVERLY BOULEVARD STATION F263-R	129.	- 15.	107.	- 9.9	150.	- 25.3	115.	- 12.7	119.	- 4.0
SPREADING GROUND HEADWORKS	110.	- 19.	100.	- 7.0	129.	- 21.0	108.	- 7.0	109.	- 10.

[1] Temporary levees were placed in river bottom to form basins for percolating purchased water into upper Main Basin.

TABLE XIV

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
ALHAMBRA WEST WASH at S.P.R.R. Main Line (Drainage Area 3.5 square miles)									F103–R
1930-31	12	89	0	0.93	675	4	26	648	
1931-32	19	80	0	1.04	756	11	27	455	
			ABANDONED 4/10/32						
ALHAMBRA EAST WASH at S.P.R.R. Main Line (Drainage Area 6.85 square miles)									F102–R
1930-31	7	134	0	1.20	871	4	26	930	
1931-32	17	101	0	1.40	1010	11	27	625	
			ABANDONED 4/10/32						
ALHAMBRA WASH near Klingerman Street (Drainage Area 14.5 square miles)									F81D–R
1929-30	1		0		* 635	3	14	1870	
1930-31	1	226	0	2.05	1480	2	3	1530	
1931-32	15	220	0	2.68	1940	1	31	1120	14
1932-33	41	418	0	2.32	1680	1	19	1850	18
1933-34	41	1770	0	8.04	5820	1	1	4890	41
1934-35	52	219	0	3.29	2380	1	5	2280	14
1935-36	52	144	0	1.95	*1420	2	12	1700	11
1936-37	82	309	0	5.36	3880	3	15	2470	19
1937-38	82	997	0	7.62	5520	3	2	5010	24
1938-39	62	288	0	4.14	2990	1	5	2480	17
1939-40	58	130	0	2.39	1730	2	1	1285	14
1940-41	38	219	0	7.81	5650	3	3	2080	17
1941-42	32	193	0	2.50	1810	12	10	2320	14
1942-43	38	893	0	8.38	6070	3	4	4480	26
1943-44	31	454	+	5.65	4100	2	22	1860	21
1944-45	31	199	0.1	3.11	2250	11	11	2220	17
1945-46	53	342	0.1	4.14	3000	12	22	1600	20
1946-47	53	345	0.1	5.24	3800	11	13	3810	22
1947-48	51	155	0.1	2.82	2040	3	24	2670	20
1948-49	51	95	0.2	2.80	2020	12	17	758	17
1949-50	53	254	0.2	4.27	3090	2	6	1630	22
1950-51	53	106	0.2	3.26	2360	1	11	1620	21
1951-52	69	594	0.2	12.5	9040	1	16	3810	32
1952-53	69	228	0.1	4.47	3240	11	15	3140	26
1953-54	57	369	0.2	5.22	3770	2	13	2410	28
1954-55	57	185	0.2	4.16	3020	1	18	1890	23
1955-56	55	1100	0.3	7.61	5520	1	26	4550	32
1956-57	55	242	0.6	6.14	4440	2	23	3090	30
1957-58	67	544	0.3	12.8	9270	2	19	4830	34
1958-59	67	279	0.2	4.17	3020	1	6	3170	34
1959-60	55	200	0.1	3.75	2720	1	11	1710	29
1960-61	55	153	0.3	2.48	1790	11	5	1480	25
1961-62	65	382	0.1	9.06	6270	2	12	2560	30
1962-63	65	359	0.1	3.97	2880	3	16	2210	26
1963-64		196	0.2	3.96	2870	1	21	2210	30
1964-65		339	0.1	6.37	4610	4	9	3730	34
NOTE: STATION AT VARIOUS LOCATIONS. SEE STATION DESCRIPTION.									
ALHAMBRA WASH – MWD OUTLET near Rush Street (Controlled Flow)									M340–R
1957-58	69	275	0	87.7	63509				
1958-59	69	259	0	33.3	24090				
1959-60	57	248	0	54.5	39538				
1960-61	57	246	0	97.0	70170				
1961-62	67	243	0	102	73811				
1962-63	67	189	0	28.1	20320				
1963-64		235	0	63.3	45920				
1964-65		232	0	91.8	66480				
ALISO WASH below Nordhoff Street (Drainage Area 7.61 square miles)									F152B–R
1939-40	59	21	0	0.23	167	1	8	285	2.4
1940-41	39	290	0	5.74	4150	2	20	N.D.	26
1941-42	33	7.0	0	0.04	33	12	28	55	0.6
1942-43	39	449	0	3.66	2640	1	22	1750	25
1943-44	32	326	0	1.68	1220	2	22	1600	13
1944-45	32	39	0	0.23	167	2	2	282	2.7
1945-46	55	73	0	0.45	323	12	21	1140	5.5
1946-47	55	26	0	0.32	230	12	25	290	3.8
1947-48	53				N.R.				
1948-49	53	2.7	0	0.05	40	12	26	51	1.0
1949-50	56	11	0	0.11	78	2	6	77	1.4
1950-51	56	3.9	0	0.06	43	1	29	23	0.9
1951-52	71	159	0	2.22	1620	1	15	1600	12
1952-53	71	51	0	0.42	301	11	15	1020	5.4
1953-54	60	55	0	0.41	294	1	19	889	4.6
1954-55	60	14	0	0.09	68	1	18	95	1.2
1955-56	57	181	0	0.58	423	1	26	414	5.0
1956-57	57	24	0	0.13	95	1	13	136	1.6
1957-58	71	98	0	1.91	1380	12	15	745	10
1958-59	71	32	0	0.21	150	1	6	381	4.2
1959-60	57	35	0	0.22	162	2	1	281	3.2
1960-61	57	21	0	0.18	129	11	5	305	4.4
1961-62	67	204	0	2.51	1820	2	12	1540	18
1962-63	67	32	0	0.32	234	3	16	246	4.7
1963-64		24	0	0.38	273	1	22	171	6.4
1964-65		82	0	0.90	650	4	8	325	9.2

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS.	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
ARCADIA WASH below Grand Avenue (Drainage Area 8.5 square miles)									F317–R
1956-57	61	108	0.1	1.85	1340	2	23	1184	17
1957-58	73	212	0.1	4.60	3330	2	29	1932	23
1958-59	73	127	0.2	1.87	1360	1	6	1270	21
1959-60	59	101	0.3	1.69	1220	4	27	593	18
1960-61	59	69	+	1.15	831	11	5	570	19
1961-62	70	408	0.1	4.68	3400	2	11	1480	28
1962-63	70	153	0.2	2.09	1510	2	9	600	23
1963-64		120	0.1	2.23	1620	11	20	1340	25
1964-65		153	0.1	3.13	2270	4	9	1460	27
ARROYO SECO below Devil's Gate Dam (Drainage Area 32.5 square miles)									P277–R
1942-43	42	3190	0	33.0	24000	1	23	5640	
1943-44	35	965	0	11.5	8270	2	20	1540	
1944-45	35	187	0.1	3.52	2560	3	15	610	
1945-46	60	272	0	2.21	1600	12	23	445	
1946-47	60	410	0	5.73	4140	12	27	610	
1947-48	57	1.6	0	0.07	52	4	5-14	1.6	
1948-49	57	1.3	0	0.02	18	6	13	1.7	
1948-50	61	21	0	0.10	71	11	10	106	
1950-51	61	0.3	0	+	1.4	9	9	26	
1951-52	77	788	0	15.8	11460	1	18	999	
1952-53	77	11.8	0	0.11	77	1	11	25	
1953-54	65	70	0	0.86	621	1	25	127	
1954-55	65	1.7	0	0.27	196	4	30	14	
1955-56	66	327	0	2.03	1470	1	27	411	
1956-57	66	5.8	0	0.32	234	10	4	124	
1957-58	78	351	0	10.2	7360	2	4	546	
1958-59	78	129	0	0.67	482	2	16	156	
1959-60	63	1.6	0	0.36	262	1	11	6.9	
1960-61	63	70	+	0.60	435	11	25	360	
1961-62	73	544	+	6.91	5010	2	11	891	
1962-63	73	12.0	0	0.51	372	6	21-24	51	
1963-64		41	0.01	0.42	304	6	26	214	
1964-65		28	0	0.43	313	7	12	128	
BALLONA CREEK at Curson Avenue (Drainage Area 25.42 square miles)									F298–R
1950-51		213	1.4	13.8	9960	1	10	2090	
1951-52	79	994	1.2	26.0	18880	3	15	5060	
1952-53	79	339	1.2	11.6	8410	11	15	4310	
1953-54	68	689	1.8	11.4	8240	2	13	4690	
1954-55	68	539	1.8	12.6	9140	1	18	3000	
1955-56	68	1480	1.2	15.5	11260	1	26	4370	
1956-57	68	508	1.8	11.6	8420	2	23	4700	
1957-58	80	848	3.0	20.7	14980	2	19	5130	
1958-59	80	334	1.4	7.65	5540	1	6	4680	
1959-60	64	288	1.4	8.77	6360	1	11	2820	
1960-61	64	314	0.5	8.02	5810	11	5	3860	
1961-62	75	1040	0.5	21.5	15530	2	12	4220	
				DISCONTINUED 9/4/62					
BALLONA CREEK at Sawtelle Boulevard (Drainage Area 111 square miles; 88.6 square miles beginning October, 1950)									F38B–R
1927-28	60		0		*3930	5	8	*1100	
1928-29	204	1150	0	20.6	14900	3	10	4990	
1929-30	7	1130	0	18.6	13480	1	11	4460	
1930-31	17	1500	0	25.6	18520	4	26	6280	
1931-32	21	1780	0	30.0	21790	12	28	6130	19
1932-33	44	1660	0	21.8	15810	1	19	7000	18
1933-34	44	4310	0	28.5	20630	1	1	11300	22
1934-35	57	2190	0	34.4	24870	4	8	11200	20
1935-36	57	929	0	19.3	13505	2	12	8070	16
1936-37	84	2160	0	56.2	40680	12	30	8940	26
1937-38	84	7330	3.6	72.5	52500	3	2	19000	30
1938-39	64	3080	1.8	39.4	28490	12	17	9900	21
1939-40	61	1270	1.3	29.1	21110	2	3	9730	19
1940-41	41	2680	3.1	93.0	67360	12	23	17310	28
1941-42	34	990	2.8	23.8	17250	12	10	7500	15
1942-43	44	4840	2.6	47.3	34240	1	22	13210	23
1943-44	37	3010	3.4	45.4	33000	2	22	8800	23
1944-45	37	1200	3.0	33.8	24450	11	11	9380	18
1945-46	62	1830	3.8	25.4	18380	12	22	7750	17
1946-47	62	1960	2.8	36.3	26300	12	25	9630	22
1947-48	59	1000	3.5	18.8	13630	3	24	12710	19
1948-49	59	668	2.8	22.2	16090	2	7	5740	20
1949-50	63	1620	1.4	32.1	23250	2	6	7670	26
1950-51	63	756	0.7	26.1	18860	1	10	5460	32
1951-52	82	2520	3.5	73.5	53350	1	16	12820	31
1952-53	82	1140	4.8	27.5	19910	11	15	11520	26
1953-54	71	3570	5.4	39.3	28480	2	13	18900	33
1954-55	71	1210	5.4	29.8	21600	1	18	9370	24
1955-56	71	6510	5.2	44.7	34590	1	26	18700	33
1956-57	71	1790	6.3	30.7	22240	2	23	13860	26
1957-58	82	3000	6.3	59.4	43040	2	19	15220	32
1958-59	82	1210	4.2	19.0	13730	1	6	8170	23
1959-60	66	1290	2.2	23.7	17190	1	11	12490	27
1960-61	66	945	4.2	17.3	12560	11	5	7700	25
1961-62	76	3490	3.2	69.2	50090	2	19	12910	38
1962-63	76	1940	3.2	29.6	21450	3	16	12070	29
1963-64		789	3.9	24.8	18000	1	22	6420	28
1964-65		1590	3.9	38.0	27540	4	9	17600	29
NOTE: STATION AT VARIOUS LOCATIONS. SEE STATION DESCRIPTION.									

TABLE XIV (Continued)

YEARLY DISCHARGE SUMMARY

BIG DALTON CREEK below Big Dalton Dam (Drainage Area 4.8 square miles) F120–R

WATER YEAR ENDING SEPTEMBER 30 YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1940-41	45	66	0	3.99	2890	3	5	67	
1941-42	37	2.8	0	0.32	235			N.D.	
1942-43	46	103	0	4.40	3180	3	4	111	
1943-44	39	35	0	1.60	1160	2	23	56	
1944-45	39	13.2	0	1.16	842	3	15	34	
1945-46	66	5.0	0	0.76	549	12	23	34	
1946-47	66	10.9	0	0.75	545	10	3	30 E	
1947-48	62	2.6	0	0.02	15	2	5	20	
1948-49	62	7.4	0	0.14	103	12	18	25	
1949-50	67	8.7	0	0.17	122	1	21	10.8	
1950-51	67	1.9	0	0.02	14	1	11	10 E	
1951-52	86	33	0	2.21	1600	1	19	34	
1952-53	86	7.0	0	0.15	107	1	15	38	
1953-54	76	8.6	0	0.50	363	2	15	9.3	
1954-55	76	3.5	0	0.01	7.3	10	1	6.8	
1955-56	76	25	0	0.31	222	8	8	37	
1956-57	76	11.5	0	0.03	23	11	9	17.6	
1957-58	86	28	0	2.96	2140	4	5	37	
1958-59	86	15.0	0	0.20	140	4	13	31	
1959-60	69	1.7	0	+	10	7	21	5.0	
1960-61	69	14.3	0	0.23	167	11	14	37	
1961-62	79	25	0	1.38	1000	2	17-18	25 E	
1962-63	79	18.3	0	0.22	162	10	8	35	
1963-64		18.0	0	0.41	296	1	22	2.2	
1964-65		19.5	0	0.30	220.	4	26	19.6	

BIG DALTON WASH at Sierra Madre Avenue (Drainage Area 11.059 square miles beginning October 1959) F202–R

1951-52	90	28	0		*815	1	18	55	
1952-53	90	5.3	0	0.07	51	1	15	35	
1953-54	80	6.1	0	0.04	28	1	25	25	
1954-55	80	+	0	+	+				
1955-56	80	16.9	0	0.08	56	1	26	80	
1956-57	80	0	0	0	0				
1957-58	91	54	0	1.29	936	4	5	173	
1958-59	91	2.4	0	0.01	8.7	2	16	14.6	
1959-60	72	0	0	0	0				
1960-61	72	1.6	0	0.03	21	11	12	38	
1961-62	81	3.7	0	0.31	221	1	22	84	
1962-63	81	0.7	0	0.04	26	2	9	5.8	
1963-64		0.7	0	0.02	14	10	16	2.7	
1964-65		0.4	0	0.01	7.9	4	3	1.9	

NOTE: DRAINAGE AREA 7.67 SQUARE MILES PRIOR TO OCTOBER 1959.

DALTON WASH at Merced Avenue (Drainage Area 28 square miles; (36.0 square miles beginning 1958-59) F274B–R

1940-41	46	206	0	5.30	3840	3	13	674	5.4
1941-42	38	42	0	1.01	727	12	10	230	1.4
1942-43	49	336	0	4.83	3500	1	22	1230	7.1
1943-44	42	418	0	2.23	1620	2	22	2650	4.2
1944-45	41	144	0	1.24	894	11	11	1740	2.6
1945-46	70	229	0	2.22	1610	12	23	1450	4.9
1946-47	70	52	0	1.36	984	11	23	328	3.3
1947-48	66	20	0	0.13	96	12	5	149	0.5
1948-49	66	19	0	0.13	97	12	17	181	0.4
1949-50	71	38	0	0.42	306	12	18	232	1.2
1950-51	71	11	0	0.09	64	1	11	175	+
1951-52	92	270	0	2.88	2090	1	16	1070	4.0
1952-53	92	39	0	0.40	287	11	15	549	1.4
1953-54	83	217	0	1.47	1060	2	13	1290	3.6
1954-55	83	88	0	0.98	706	1	18	668	2.6
1955-56	82	860	0	3.12	2260	1	26	2350	7.5
1956-57	82	165	0	1.36	980	3	1	1990	3.9
1957-58	93	303	0	6.48	4690	3	16	1310	8.6
1958-59	93	268	0	3.00	2130	1	6	2700	5.7
1959-60	73	130	0.1	3.11	2260	4	27	966	5.2
1960-61	73	150	0.2	3.07	2220	1	26	1470	6.3
1961-62	83	511	+	9.95	7200	11	20	4270	12
1962-63	83	403	0.2	5.67	4110	3	16	2020	13
1963-64		169	0.1	3.78	2750	1	21-22	1530	7.3
1964-65		290	0.1	4.39	3170	4	9	2800	7.0

BIG TUJUNGA – MILL CREEK above Mouth (Drainage Area 21.1 square miles) F112–R

1930-31	145	1.3	0	0.19	139	4	26	1.7	
1931-32	70	291	0	3.02	2190	2	9	512	
1932-33	126	6.9	0	0.40	294	1	19	20	
1933-34	126	58	0	0.43	308	1	1	179	
				ABANDONED 11-26-34					

BIG TUJUNGA CREEK below Mill Creek (Orainage Area 64.9 square miles) F111C–R

1948-49	69	11	+	1.78	1290	3	4	13	
1949-50	74	21	0	1.48	1070	2	6	36	
1950-51	74	4.3	0.01	0.55	398	1	29	6.7	
1951-52	95	674	0.06	26.7	19390	1	18	1390	
1952-53	95	22	+	3.28	2370	12	2	65	
1953-54	86	138	+	5.28	3820	1	25	260	
1954-55	86	26	0	2.63	1910	5	1	41	
1955-56	88	146	0	2.49	1810	1	26	324	
1956-57	88	112	0	2.03	1470	1	13	313	
1957-58	98	844	0	27.6	19970	4	3	1770	
1958-59	98	154	0	3.27	2370	2	16	421	
1959-60	76	7.4	0	0.94	683	1	10	13	
1960-61	76	23	0	0.64	461	11	6	82	
1961-62	86	1720	0	15.6	11260	2	11	2860	
1962-63	86	95	0	1.61	1170	2	9	292	
1963-64		55	0	1.17	852	4	1	93	
1964-65		64	0	2.32	1680	4	19	99	

BIG TUJUNGA CREEK above Edison Road (Drainage Area 67 square miles) F111B–R

1930-31	39	65	0	1.99	1440	2	5	216	
1931-32	31	964	0	14.8	10250	2	8	3910	
1932-33	55	108	0	3.59	2600	1	19	324	
1933-34	55	707	0	4.26	3090	1	1	1520	
1934-35	69	296	0	13.3	9600	4	8	640	
1935-36	69	60	0	3.20	2330	2	12	159	
1936-37	88	707	+	26.9	19440	2	6	1030	
1937-38	88	8200 E	0.8	63.0	45600	3	2	N.D.	
1938-39	66	345	0.9	10.9	7920	12	19	543	
1939-40	64	276	0.2	7.62	5530	1	8	N.D.	
1940-41	48	1120	0.8	67.3	48710	2	20	1380	
1941-42	39	57	0.6	8.20	5930	12	10	112	
1942-43	51	4510	0.8	61.7	44670	1	23	14800	
1943-44	43	2240	2.5	50.2	36470	2	22	3300	
1944-45	42	500	1.1	14.2	10300	11	11	1870	
1945-46	73	1074	0.7	13.2	9570	3	30	1800	
1946-47	73	634	0.1	15.2	11020	12	26	1500	
1947-48	72	49	0.1	2.64	1910	4	29	140	
1948-49	72	11	+	2.09	1510	1	20	16	
1949-50	78					2	6	40	
				ABANDONED 5-18-50					

NOTE: STATION AT VARIOUS LOCATIONS – SEE STATION DESCRIPTION SEE STATION F111C-R

BIG TUJUNGA – FOX CREEK above Mouth (Drainage Area 9.4 square miles) F110–R

1930-31	75	3.5	0.04	0.32	235	2	4	6.9	
1931-32	43	285	0.02	3.46	2510	2	8	400	
1932-33	88	21	0.01	0.78	565	1	19	115	
1933-34	88	89	0.01	0.98	710	1	1	215	
1934-35	80	29	+	1.63	1180	10	18	314	
1935-36	80	32	+	1.06	775	2	2	410	
1936-37	92	117	+	5.27	3810	12	27	270	
1937-38	92				*	3	2	N.D.	
				ABANDONED 2-7-38					

BIG TUJUNGA CREEK below Big Tujunga Dam (Drainage Area 82.7 square miles) F168-R

1932-33	59	38	0.5	6.19	4480	1	19	58	
1933-34	59	15	0.2	5.93	4290	1	1	44	
1934-35	66	339	0.6	14.9	10760	4	8	547	
1935-36	66	40	0.2	7.53	5470	11	18	101	
1936-37	94	385	0.1	35.7	25860	2	16	385	
1937-38	94				*	3	2	33000 E	
1938-39	68	263 E	0.7	12.6	9110	12	23	424	
1939-40	66	285	0.2	9.92	7200	1	8	747	
1940-41	50	1080	0.2	81.6	59100	2	21	1590	
1941-42	40	47	1.0	10.7	7720	12	31	47	
1942-43	53	6640	0.2	73.1	52910	1	23	17700	
1943-44	45	2300 E	0.3 E	57.5	41400	2	22	3310	
1944-45	44	241	0.8	16.9	12240	11	13-14	300 E	
1945-46	76	491	0.6	17.1	12400	3	30	983	
1946-47	76	460	0.7	17.7	12820	12	26	501	
1947-48	75	28	0.4	4.93	3580	7	15	54	
1948-49	75	4.5	+	2.28	1650	8	31	4.5	
1949-50	79	5.4	0.2	2.64	1910	7	2	5.4	
1950-51	79	12	0.2	1.71	1240	8	22	15 E	
1951-52	99	1040	0.5	36.1	26230	1	18	1860	
1952-53	99	51	0.1	6.53	4730	9	22	86	
1953-54	90	128	0.2	7.38	5340	3	1	158	
1954-55	90	16	0.1	3.16	2290	10	3	18	
1955-56	91	135	0.1	4.73	3440	1	26	148	
1956-57	91	8.6	+	2.28	1650	5	22	43	
1957-58	102	1120	+	38.0	27530	4	4	1320	
1958-59	102	116	0.2	4.40	3190	2	16	124	
1959-60	78	6.5	+	2.22	1620	6	2	6.5	
1960-61	78	4.6	0	0.96	695	11	5	11	
1961-62	89	1680	0	23.3	16860	2	11	3700	
1962-63	89	7.5	+	1.80	1300	2	9	13	
1963-64		12	0	2.64	1910	8	26	51	
1964-65		7.8	0	2.06	1490	5	10	12.4	

TABLE XIV (Continued)

YEARLY DISCHARGE SUMMARY

BIG TUJUNGA CREEK above Gold Canyon (Drainage Area 106 square miles) — F213–R

WATER YEAR ENDING SEPTEMBER 30 YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1932-33	62	488	1.1	10.5	7590	1	19	1390	6.2
1933-34	62	634	0.9	10.6	7700	1	1	1450	7.8
1934-35	72	354	2.6	20.5	14840	4	8	671	7.8
1935-36	72	150	2.4	10.5	7640	2	2	494	5.4
1936-37	98	423	1.0	50.1	36260	12	27	495	16
1937-38	98	13000 E	2.5	116	83960	3	2	50000 E	34
1938-39	70	316	3.5	18.8	13640	12	20	380	8.8
1939-40	67	350 E	1.6	15.1	10990			N.D.	9.3
1940-41	52	1260	1.2	109.	78840	2	21	1650	27
1941-42	42	62	4.4	14.8	10690	12	28	165	9.8
1942-43	55	8000 E	1.2	105	76020	1	23	23000	32
1943-44	47	3320	2.3	79.9	57990	2	22	4760	27
1944-45	46	320	4.8	24.0	17370	2	2	897	13
1945-46	78	698	4.9	23.7	17160	3	30	1300	11
1946-47	78	644	4.0	26.2	18960	12	25	745	13
1947-48	77	25	0.7	6.40	4640	2	5	53	5.0
1948-49	77	13	0.6	3.40	2460	1	20	20	3.6
1949-50	81	30	1.7	4.08	2960	11	10	73	3.3
1950-51	81	7.1	0.2	2.08	1510	11	13	10	2.0
1951-52	102	1740	1.3	56.9	41320	1	18	2960	18
1952-53	102	59	1.8	8.99	6510	11	15	108	7.0
1953-54	93	227	0.6	11.4	8240	1	25	387	7.0
1954-55	93	33	1.1	4.95	3580	1	18	73	3.3
1955-56	94	214	0.3	6.48	4700	1	27	301	4.0
1956-57	94	25	0.2	3.17	2290	1	13	60	2.7
1957-58	105	1190	0.8	53.7	38910	4	3	1670	17
1958-59	105	133	1.8	6.31	4570	2	11	245	6.7
1959-60	80	12	0.1	2.68	1950	1	12	22	2.6
1960-61	80	16	0.2	1.28	926	11	5	86	1.6
1961-62	90	1850	0.6	29.8	21540	2	11	4770	14
1962-63	90	94	0.6	3.27	2370	2	9	412	3.0
1963-64		44	0.2	3.70	2690	1	22	166	1.6
1964-65		77	0.1	3.86	2790	4	9	220	3.2

TUJUNGA WASH below Hansen Dam (Drainage Area 148 square miles) — E286

1944-45	48	441	0	13.8	9960	2	5	710	
1945-46	82	543	0	7.01	5070	12	23	610	
1946-47	82	480	0	21.6	15650	12	27	900	
1947-48	80	2.3	0	0.01	9.1	2	5	34	
1948-49	80	0.1	0	+	2.6	4	1	0.5	
1949-50	84	0.1	0	+	1.8	3	1	1.6	
1950-51	84				0				

STATION INACTIVE

TUJUNGA WASH at Glenoaks Boulevard (Drainage Area 148 square miles) — E20C–R

1931-32	26				* 741			N.D.	
1932-33	66	562	0	6.22	4500	1	19	2260	
1933-34	66	909	0	5.20	3760	1	1	3750	
1934-35	83	328	0	14.0	10110	4	8	615	
1935-36	83	213	0	5.83	4220	2	12	628	
1936-37	101	496	0	49.8	35580			N.D.	
1937-38	101		0		*	3	2	54000 E	
1938-39					N.R.				
1939-40	69	*	0	*	*			*	
1940-41	56	1050	0	115.	83220	3	5	1200	
1941-42	44	59	0	5.80	4190	12	30	59	
1942-43	56	1610 E	0	92.5	66970	1	23	1780	
1943-44	49	985	0	60.3	43750	2	22	1100	
1944-45	49	303	0	3.21	2330	2	5	510	
1945-46	84	543	0	3.81	2820	12	23	610	
1946-47	84	255	0	9.47	6850				
1947-48	82	0	0	0	0				
1948-49	82	0	0	0	0				
1949-50	84	0	0	0	0				
1950-51	84	0	0	0	0				
1951-52	106	2550	0	12.1	8810	1	24	3000	
1952-53	106	3.8	0	0.09	68	2	4	178	
1953-54	97	9.4	0	0.34	245	3	2	50	
1954-55	97	1.9	0	0.03	20	5	7	8.9	
1955-56	98	4.1	0	0.03	25	3	1	20	
1956-57	98	1.7	0	0.03	22	2	28	18	
1957-58	109	1510	0	18.0	13040	4	3	1700	
1958-59	109	1.0	0	0.01	4.6	1	6	16	
1959-60	82	0.2	0	+	0.6	4	26	1.8	
1960-61	82	0.3	0	+	2.0	11	5	4.2	
1961-62	93	1600	0	6.54	4740.	2	12	3130	
1962-63	93	0	0	0	0				
1963-64		0	0	0	0				
1964-65		0	0	0	0				

NOTE: STATION AT VARIOUS LOCATIONS – SEE STATION DESCRIPTION

TUJUNGA WASH at Magnolia Boulevard (Drainage Area – split) — F105–R

1930-31	38				Negligible			Negligible	
1931-32	28	12	0	0.11	78	12	28	46	
1932-33	70	0	0	0	0				
1933-34	70	12	0	0.34	25	1	1	145	
1934-35	86	0	0	0	0				
1935-36	86	3.3	0	0.01	8.9	2	12	15	
1936-37	104	14	0	0.07	51	2	6	53	
1937-38	104				*			N.D.	
1938-39	72	0.1	0	+	0.4	1	21	1.1	
1939-40	71	19 E	0	0.12 E	96 E			N.D.	
1940-41	58	37	0	0.52	373	2	28	125	
1941-42	45	16	+	0.17	123	12	28	119	
1942-43	58	140	+	0.98	708	1	22	1350	
1943-44	51	97	0.3	1.51	1090	2	20	460	
1944-45	50	2.6	0.2	0.57	413	2	2	16	
1945-46	87	0.6	0.04	0.14	103	12	21	2.1	
1946-47	87	0.6	0	0.02	18	12	26	2.3	
1947-48	82	0.3	0	+	0.6	3	24	1.3	

STATION DISCONTINUED 3/24/49 – SEE STATION F105B–R

TUJUNGA WASH below Moorpark Street (Drainage Area 212 square miles) — F105B–R

1949-50	85							N.D.	
1950-51	85	21	0	0.31	223	1	29	96	
1951-52	108	2740	0	22.2	16110	1	24	3280	
1952-53	108	98	0	1.26	913	11	15	1010	
1953-54	99	247	0	2.62	1890	1	19	1000	
1954-55	99	152	0	2.17	1570	1	10	1040	
1955-56	99	552	0	3.54	2570	1	26	1080	
1956-57	99	180	0	5.11	3700	1	5	1440	
1957-58	110	1530	0	31.9	23110	2	4	2200	
1958-59	110	396	0	2.72	1970	1	6	3670	
1959-60	83	150	0	3.02	2190	1	11	1430	
1960-61	83	216	+	2.39	1730	11	5	1380	
1961-62	94	1820	+	19.8	14350	2	12	6910	
1962-63	94	391	+	4.11	2970	2	9	2160	
1963-64		282	0	4.10	2980	1	22	2980	
1964-65		331	+	5.33	3860	4	9	1400	

TUJUNGA WASH – CENTRAL BRANCH at Magnolia Boulevard (Drainage Area 6.86 square miles after 1948) — F106–R

1930-31	34	24	0	0.13	91	2	3	56	
1931-32	29	591	0	5.75	4170	2	9	1380	
1932-33	71	127	0	0.57	413	1	19	429	
1933-34	71	641	0	1.99	1440	1	1	3110	
1934-35	76	81	0	0.73	528	1	5	352	
1935-36	76	86	0	0.68	497	2	12	400	
1936-37	106	190	0	3.75	2720	2	6	681	
1937-38	106		0		*	3	2	N.D.	
1938-39	73				N.R.				
1939-40	70	472 E	0	2.14 E	1560 E			N.D.	
1940-41	60	550	0	31.2	22570 E			N.D.	
1941-42	46	8.5	0	+	33	12	10	57	
1942-43	60	1220	0	30.3	21920	1	24	1460	
1943-44	52	630 E	0	28.0	20340	2	22	1540	
1944-45	52	80	0	0.73	532	2	6	321	
1945-46	89	231	0	1.16	841	12	24	357	
1946-47	89	148	0	0.66	478	12	28	593	
1947-48	83	22	0	0.08	58	3	24	285	
1948-49	83	2.9	0	0.04	30	12	17	40	
1949-50	86	6.7	0	0.06	44	1	8	35	
1950-51	86	3.3	0	0.03	24	11	13	39	
1951-52	111	105	0	1.30	941	3	15	287	
1952-53	111	21	0	0.19	139	11	15	333	
1953-54	102	40	0	0.40	291	1	19	208	
1954-55	102	30	0	0.41	298	1	18	164	
1955-56	103	87	0	0.67	485	1	26	168	
1956-57	103	43	0	0.65	471	1	13	317	
1957-58	113	62	0	1.48	1080	2	3	430	
1958-59	113	87	0	0.63	454	1	6	653	

NOTE: STATION AT VARIOUS LOCATIONS – SEE STATION DESCRIPTION

BOUTON CREEK at Anaheim Street (Drainage Area 3.60 squar. miles) — F297–R

1950-51	89	14	0	0.16	129	1	29	127	
1951-52	114	133	0	1.68	1220	1	16	460	
1952-53	114	34	0	0.35	250	11	15	130	
1953-54	105	80	0	0.75	544	2	13	363	
1954-55	105	27	0	0.49	354	1	18	166	
1955-56	106	174	0	0.92	671	1	26	302	
1956-57	106	31	0	0.33	241	1	13	100	

(STATION DISCONTINUED)

BRADBURY CHANNEL below Central Avenue (Drainage Area 3.3 square miles) F329–R

WATER YEAR ENDING SEPTEMBER 30 YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1957-58	116	7.3	0	0.23	170	2	19	65	
1958-59	116	29	0	0.25	182	1	6	1250	
1959-60	85	5.2	0	0.08	59	12	24	40	
1960-61	85	4.5	0	0.04	30	11	3	60	
1961-62	96	50	0	0.71	518	1	20	316	
1962-63	96	9.4	0	0.17	120	2	9	74	
1963-64		5.6	0	0.17	120	1	22	168	
1964-65		11	0	0.22	157	4	9	248	

BRANFORD STREET CHANNEL below Sharp Avenue (Drainage Area 5.0 square miles) F342–R

1961-62	98	118	0	*	*743	2	19	206	
1962-63	98	46	0	0.57	415	4	26	284	
1963-64		32	0	0.52	376	3	22	275	
1964-65		56	0	0.79	571	4	9	261	

BROWNS CANYON CREEK at Devonshire Street, Chatsworth (Drainage Area 14.3 square miles) F2–R

1928-29	259	0	0	0	* 0				
1929-30	23	0	0	0	0				
1930-31	46	5.0	0	0.77	554	4	26	7.7	
1931-32	33	80	0	0.96	693	2	9	152	
1932-33					N.R.				
1933-34					N.R.				
1934-35					N.R.				
1935-36					**			N.D.	
1936-37	109	85	0	0.61	439	2	14	140	
1937-38	109	595	0	2.92	2120	3	2	1100 E	
1938-39	74	8.5	0	0.10	75	12	18	63 E	
1939-40					**				

STATION ABANDONED – 10/31/39

BROWNS CREEK at Variel Avenue (Drainage Area 13.5 square miles) F2B–R

1961-62	100	336	0	2.71	1960	2	11	782	
1962-63	100	6.9	0	0.04	32	3	16	55	
1963-64		1.4	0	+	3.8	1	22	21	
1964-65		14	0	0.12	87	4	8	47	

CALABASAS CREEK at Ventura Boulevard (Drainage Area 2.4 square miles) F270–R

1939-40	72				* 0.30				
1940-41	61	65	0	1.49	1080	2	20	551	
1941-42	47	0.3	0	+	1.2	12	28	5.6	
1942-43	61	34	0	0.55	402	1	23	445	
1943-44	54	114 E	0	0.55	399	2	22	550	
1944-45	53	2.5 E	0	0.01	7.2	2	2	20	
1945-46	91	4.3	0	0.02	16.9	12	21	30	
1946-47	91	2.6	0	0.02	12.1	11	23	45	
1947-48	86	0	0	0	0				
1948-49	86	0	0	0	0				
1949-50	93								

STATION ABANDONED – 12/7/50

CASTAIC CREEK at Highway 126 (Drainage Area 202.5 square miles) F108–R

1945-46	93							N.D.	
1946-47	93	435	0	4.25	3080	12	26	1440	1.5
1947-48	86	24	0	0.11	77	3	24	243	0.1
1948-49	86	0	0	0	0				0
1949-50	93	0	0	0	0				0
1950-51	93	0	0	0	0				0
1951-52	118	1450	0	26.6	19330	1	15	4200	5.9
1952-53	118	31	0	0.18	133	12	2	377	0.1
1953-54	109	270	0	1.35	977	2	19	1480	0.6
1954-55	109	27	0	0.18	134	4	30	82	0.1
1955-56	111	123	0	0.43	311	1	26	281	0.2
1956-57	111	63	0	0.25	184	1	13	237	0.1
1957-58	118	1450	0	33.4	24180	4	3	2690	6.6
1958-59	118	170	0	0.65	472	2	16	466 E	0.4
1959-60	87	0	0	0	0				0
1960-61	87	0.4	0	+	0.8	11	6	3.1	0
1961-62	102	2190	0	20.5	14850	2	11	3170	5.2
1962-63	102	8.1	0	0.04	32	3	16	76	+
1963-64		0.2	0	+	0.4	1	22	1.5 E	0
1964-65		24	0	0.11	78	4	9	96	+

CENTINELA CREEK at Centinela Boulevard (Drainage Area 5.17 square miles) F186–R

1932-33	74	70	0	0.74	534	1	19	297	
1933-34	74	212	0	1.24	895	1	1	570	
1934-35	88	259	0	2.23	1620	3	2	1590	
1935-36	88	91	0	0.70	509	2	14	1170	

STATION ABANDONED 6/11/36

COMPTON CREEK at 120th Street (Drainage Area 14.5 square miles) F302–R

1951-52	121	453	0.1	8.30	6030	1	18	1730	
1952-53	121	130	0	2.64	1920	11	15	1240	
1953-54	112	498	+	4.33	3140	2	13	2050	
1954-55	112	160	0	3.71	2690	1	18	1220	
1955-56	114	898	0.2	5.59	4050	1	26	2040	
1956-57	114	121	0	3.24	2360	5	11	1550	
1957-58	121	600	0	7.64	5530	2	19	2900	
1958-59	121	239	0	2.13	1550	1	6	1760	
1959-60	88	279	0	3.38	2450	1	11	1950	
1960-61	88	116	0	1.44	1040	11	5	1140	
1961-62	104	638	0	8.76	6340	2	19	3510	
1962-63	104	280	0	4.27	3090	3	28	1900	
1963-64		104	0	2.72	1970	11	6	1506	
1964-65		233	0	4.11	2970	4	9	2080	

COMPTON CREEK near Greenleaf Drive (Drainage Area 23.3 square miles) F37B–R

1927-28	80		0		*1230	3	5	* 240	
1928-29	188	197	0	3.13	2270	3	10	924	
1929-30	29	144	0	3.48	2520	3	14	580	
1930-31	50	137	0.04	3.31	2400	4	26	678	
1931-32	35	248	0	4.43	3220	1	31	757	17
1932-33	77	166	0	2.45	1780	1	19	740	14
1933-34	77	372	0	3.53	2560	1	1	960	17
1934-35	90	301	0	5.73	4170	4	8	850	16
1935-36	90	143	0	4.02	2920	2	12	824	14
1936-37	112		0			2	6	1220	50
1937-38	112	986 E	0		*6850	3	2	N.D.	56
1938-39	75	837	0	7.12	5150	9	25	2150	16
1939-40	73	256	10.1	7.35	5340	2	3	1630	16
1940-41	63	544	1.0	22.7	16400	12	23	2660	24
1941-42	48	236	3.0	10.1	7280	12	10	1730	14
1942-43	63	752	0.8	11.8	8560	1	22	2050	19
1943-44	55	739	2.3	15.6	11290	2	20	2370	23
1944-45	54	363	4.4	12.7	9210	11	11	3010	27
1945-46	95	362	2.6	11.0	7960	12	23	2010	24
1946-47	95	474	4.1	13.9	10080	11	23	2930	27
1947-48	88	170	0.6	7.90	5740	3	24	1410	24
1948-49	88	282	0.1	5.06	3660	12	17	2710	22
1949-50	94	433	+	6.65	4820	2	6	2830	30
1950-51	94	209	+	4.90	3550	1	10	1790	26
1951-52	124	661	0.1	14.7	10650	1	18	3220 E	32
1952-53	124	220	0.1	5.56	4020	11	15	2380	25
1953-54	115	797	0.1	7.48	5410	2	13	3600	31
1954-55	115	374	0.1	8.40	6080	1	18	2710	35
1955-56	118	2090	0.2	12.7	9240	1	26	4910	46
1956-57	118	286	+	5.62	4070	5	11	1780	26
1957-58	123	1100	+	16.0	11610	2	19	4640	37
1958-59	123	449	0	4.60	3330	1	6	4320	39
1959-60	90	463	0	6.33	4590	1	11	3220	32
1960-61	90	204	+	2.71	1960	11	5	1640	23
1961-62	106	1060	0.1	14.5	10520	2	19	4550	42
1962-63	106	576	+	8.85	6400	2	10	3310	37
1963-64		212	+	4.74	3440	11	6	2433	32
1964-65		424	0	7.44	5390	4	9	2630	25

NOTE: STATION AT VARIOUS LOCATIONS – SEE STATION DESCRIPTION

COYOTE CREEK at Del Amo Street (Drainage Area 110 square miles) F41C–R

1929-30	24	69	0	0.96	699	1	15	91	
1930-31	58	132	0	0.78	568	2	5	218	
1931-32	37	496	0	3.70	2690	2	9	799	2.8
1932-33	80	130	0	0.63	457	1	30	283	0.7
1933-34	80	1350	0	5.38	3890	1	1	2020	5.5
1934-35	96	569	0	5.33	3850	12	13	3190	3.0
1935-36	96	172	0	1.60	1150	2	12	486	1.8
1936-37	115	2760	0	18.9	13680	2	6	4190	9.9
1937-38	115	2770	0	20.8	15070	3	2	3610	12
1938-39	77	552 E	0	5.86	4250	9	25	1660 E	3.9
1939-40	75	276	0	4.40	3190	2	3	827	3.9
1940-41	65	1440	0	40.7	29500	2	28	2750	15
1941-42	50	92	0	2.15	1560	12	10	351	2.1
1942-43	65	1030	0	16.7	12070	1	23	1480	10
1943-44	57	1860	0	16.6	12060	2	22	3550	12
1944-45	56	185	0.3	5.24	3800	11	12	488	4.6
1945-46	98	278	0.2	4.89	3540	12	23	920	4.8
1946-47	98	96	0.1	3.39	2460	11	14	145	3.5
1947-48	91	9.3	0	2.07	1500	12	13	23	3.4
1948-49	91	9.2	0	1.31	951	1	21	11	1.9
1949-50	97	89	0	2.48	1800	2	6	240	2.8
1950-51	97	8.4	0	1.96	1420	1	30	12	2.7
1951-52	127	4420	0	33.0	23920	1	18	7360	15
1952-53	127	110	0	1.60	1155	12	2	518	1.9
1953-54	118	410	0	5.53	3990	2	13	1190	5.0
1954-55	118	176	0	1.67	1220	1	18	611	1.8
1955-56	122					1	26	3770	N.D.

STATION DISCONTINUED 2/8/56 – SEE STATION F320-R
NOTE: STATION AT VARIOUS LOCATIONS – SEE STATION DESCRIPTION

TABLE XIV (Continued)

YEARLY DISCHARGE SUMMARY

COYOTE CREEK at Centralia Street (Drainage Area 110 square miles) F320–R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1955-56	122				N.D.				
1956-57	122	163	+	1.66	1200	1	13	334	2.1
1957-58	126	941	0	21.7	15660	4	7	2230	9.8
1958-59	126	246	0.2	4.26	3080	1	6	480	6.0
1959-60	92	420	0.4	7.62	5560	2	1	2390	7.8
1960-61	92	300	0.4	4.39	3180	1	26	1380	4.8
1961-62	108	2700	0.4	31.1	22490	2	11	5810	19
1962-63	108	1790	0.2	11.2	7720	2	10	4640	11

STATION DISCONTINUED 7/2/63

COYOTE CREEK at Spring Street (Drainage Area 185 Square Miles) F354–R

1963-64		1190	+	10.9	7950	11	15	N.D.	11
1964-65		800	0.3	16.9	12220	4	9	3350	8.9

DOMINGUEZ CHANNEL at Carson Boulevard (Drainage Area 56 square miles) F265–R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1940-41	67	* 250	0.3	44.6	*32260			N.D.	1.2
1941-42	52	45	0	4.93	3570	12	11	47	4.9
1942-43	67	632	2.0	16.8	12200	1	23	706	19
1943-44	58	991	4.6	26.2	19020	2	23	1020	24
1944-45	57	104	6.5	12.5	9010	2	3	176	6.1
1945-46	102	195	6.0	12.3	8890	12	23	231	9.1
1946-47	102	263	5.6	14.8	10650	12	26	325	9.3
1947-48	93	32	1.4	7.17	5200	3	18	37	3.0
1948-49	93	66	1.8	7.81	5660	1	21	75	6.9
1949-50	100	122	2.1	9.11	6590	2	7	132	11
1950-51	100	52	3.8	12.7	9180	1	30	67	7.7
1951-52	131	1160	6.0	35.4	25700	1	18	1410	32
1952-53	131	125	6.3	13.3	9630	11	16	197	1.1
1953-54	122	674	5.4	19.0	13800	2	14	705	2.3
1954-55	122	224	6.9	16.4	11850	1	19	257	16
1955-56	127	1630	4.3	30.8	22370	1	26-27	1720	35
1956-57	127	225	5.4	15.8	11440	1	13	376	21
1957-58	130	819	4.8	41.5	30080	2	20	840	39
1958-59	130	390	+	18.3	*13270	2	16	488	31
1959-60	94	436	7.2	21.7	15790	2	2	494	27
1960-61	94	164	5.8	12.5	9050	11	6	256	17
1961-62	111	1430	4.5	44.5	32220	2	11	1530	49
1962-63	111	992	4.0	26.2	*18980 *	2	10	1510	36
1963-64									

NOTE: STATION MADE INOPERATIVE BY CHANNEL RECONSTRUCTION, MAY 1964 AND PART OF WATER YEAR 1958-59

DUME CREEK at Pacific Coast Highway (Drainage Area 8.8 square miles) F53–R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1929-30	40	100	0	0.30	218	1	15	426	
1930-31	64	40	0	0.18	127	2	4	205	
1931-32	39	94	0	1.00	726	12	28	425	6.7
1932-33	83	15	0	0.11	81	1	19	110	1.5
1933-34	83	839	0	3.13	2270	12	31	2750	25
1934-35	99	47	0	0.24	176	1	5	409	1.5
1935-36	99	26	0	0.28	202	2	14	206	2.3
1936-37	117	230	0	2.62	1900	2	6	624	13
1937-38	117				**	3	2	N.D.	N.D.
1938-39	79	13	0	0.04	31	9	25	115	0.3
1939-40	77	39	0	0.32	229	2	2	183	2.4
1940-41	69	230	0	9.39	6800	1	24	876	29
1941-42	53	0.4	0	0.04	28	12	28	2.7	0.3
1942-43	69	666	0	4.17	3020	1	22	1440	21
1943-44	60	163	0	2.17	1570	2	20	627	11
1944-45	59	11	0	+	23	2	2	65	0.3
1945-46	105	23	0	0.09	68.2	12	23	142	0.8
1946-47	105	73	0	0.33	241	11	20	490	2.9
1947-48	97	0	0	0	0				0
1948-49	97	0	0	0	0				0
1949-50	103	0	0	0	0				0
1950-51	103	0	0	0	0				0
1951-52	135	769	0	9.02	6540	1	15	2010	34
1952-53	135	6.1	0	0.05	34	12	2	30	0.4
1953-54	126	224	0	0.73	529	2	13	989	4.9
1954-55	126	0	0	0	0				0
1955-56	131	301	0	1.02	738	1	26	560	6.8
1956-57	131	24	0	0.10	74.0	2	23	120	1.0
1957-58	134	133	0	4.21	3050	2	25	466	1.7
1958-59	134	24	0	0.08	55	2	16	159	1.1
1959-60	97	0.6	0	+	1.2	2	1	11	+
1960-61	97	0	0	0	0				0.3
1961-62	114	455	0	3.83	2770	2	10	705	17
1962-63	114	2.3	0	0.01	7.9	3	16	16	0.1
1963-64		0	0	0	0				0
1964-65		20	0	0.10	72	4	9	153	0.8

EATON WASH below Eaton Wash Debris Dam (Drainage Area 9.5 square miles) (Drainage Area 12.0 square miles beginning October 1959) F271–R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1940-41	71	211 E	0	8.40	6090	2	20	256	
1941-42	54	+	0	+	+	Various Times		+	
1942-43	73	663	0	8.84	6400	1	23	1080	
1943-44	62	161	0	2.71	1970	3	14	268	
1944-45	62	17.1	0	0.14	101	2	2	26	
1945-46	109	43	0	0.37	265	12	22	121	
1946-47	109	63	0	0.70	507	12	26	86	
1947-48	99	1.7	0	0.01	5.6	12	4–5	9.0	
1948-49	99	0.3	0	+	1.2	12	17	0.4	
1949-50	106	13.8	0	0.10	70.	11	14	72	
1950-51	106	2.3	0	0.01	7.5	5	3–4	3.9	
1951-52	140	166	0	2.63	1900	1	18	204	
1952-53	140	0	0	0	0				
1953-54	130	40	0	0.28	200	2	14	72	
1954-55	130	+	0	0	0				
1955-56	134	41	0	0.21	150	1	26	41	
1956-57	134	2.1	0	0.02	12.8	6	6	10.2	
1957-58	138	136	0	3.11	2250	4	4–5	146	
1958-59	138	29	0	0.22	163	2	16	164	
1959-60	99	+	0	+	+	Various Times		+	
1960-61	99	+	0	+	+	Various Times		+	
1961-62	117	204	0	1.79	1300	2	12	204	
1962-63	117	8.6	0	0.02	17	5	10	31	
1963-64		8.2	0	0.05	36	10	4	11.8	
1964-65		35	0	0.45	329	4	9	114	

EATON WASH at Ellis Lane (Drainage Area 18.4 square miles) F104–R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1930-31	69	58	0	0.43	314	4	26	359	
1931-32	41	129	0	1.30	946	1	31	227	3.7
1932-33	85	187	0	0.78	564	1	19	399	3.1
1933-34	85	523	0	2.75	1990	1	1	2180	8.4
1934-35	101	72	0	0.75	543	1	5	609	1.7
1935-36	101	63	0	1.19	866	2	12	414	4.0
1936-37	119	101	0	1.79	1300	12	27	400	3.5
1937-38	119	724	0	5.76	4170	3	2	1900 E	11
1938-39	80	77	0	0.99	718	1	5	738	2.8
1939-40	78	45	0	0.55	402	2	2	341	2.1
1940-41	72	268	0	7.66	5860	3	3	990	12
1941-42	54	49	0	0.40	293	12	10	289	1.8
1942-43	74	885 E	0	9.82	7100	1	23	2280	18
1943-44	63	224	0	2.27	1650	2	22	412	5.6
1944-45	63	37	0	0.38	273	2	2	425	1.4
1945-46	111	105	0	0.70	509	12	23	286	2.6
1946-47	111	74	0	1.16	840	11	13	674	3.2
1947-48	100	23	0	0.26	191	3	24	390	1.5
1948-49	100	8.0	0	0.12	86	3	11	54	0.6
1949-50	107	62	0	0.54	392	2	6	290	2.2
1950-51	107	21	0	0.18	133	1	11	361	1.1
1951-52	141	210	0	3.88	2820	1	16	953	7.3
1952-53	141	93	0	0.74	539	11	15	868	3.8
1953-54	131	200	0	1.54	1120	2	13	1010	5.9
1954-55	131	84	0	0.65	472	1	18	1100	2.7
1955-56								N.D.	N.D.

DISCONTINUED 5/4/55

NOTE: STATION AT VARIOUS LOCATIONS – SEE STATION DESCRIPTION

EATON WASH at Loftus Drive (Drainage Area 19.9 square miles) (Drainage Area 22.4 square miles beginning October 1959) F318–R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1956-57	136	201	0	3.32	2400	2	23	1760	12
1957-58	140	368	0.1	10.3	7460	2	19	2700	17
1958-59	140	245	0.1	3.93	2850	1	6	3480	16
1959-60	101	186	+	3.33	2420	1	12	1090	12
1960-61	101	123	0.1	2.20	1590	11	26	1200	11
1961-62	119	598	0.1	9.50	6880	2	11	1950	18
1962-63	119	311	0.3	4.12	2980	2	9	1230	12
1963-64		227	0.1	4.19	3050	11	20	2360	16
1964-65		254	0.2	5.19	3760	4	9	2150	12

EVEY CANYON CREEK at Camp Baldy Road (Drainage Area 1.53 square miles) F296–R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1956-57		Record Incomplete		(Recorder Installed 11-7-56)					
1957-58	143	26	0	0.93	678			N.D.	
1958-59	143	8.3	0.04	0.28	202	2	11	32	
1959-60	103	0.5	0	0.10	70	4	27	10	
1960-61	103	0.8	0	0.04	29	1	26	0.5	
1961-62	121	44.	0	0.75	543			N.D.	
1962-63	121	1.0	0	0.03	22	2	10	4.0	
1963-64		0.5	0	0.01	24.4	1	22	2.3	
1964-65		2.3	0	0.04	30	9	18	7.0	

LA TUNA CREEK at Belmont Country Club (Drainage Area 5.1 square miles) F287–R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1945-46	119					3	30	102	
1946-47	119	29	0	0.22	158	12	26	132	
1947-48	108	+	0	+	+				
1948-49	108	0	0	0	0				
1949-50	113	+	0	+	+				
1950-51	113	0	0	0	0				
1951-52	149	137	0	1.76	1280	1	16	656	
1952-53	149	3.8	0	0.03	18	12	20	24	
1953-54	138	3.9	0	0.04	32	2	13	28	
1954-55	138	1.4	0	0.01	7.6	1	18	9.9	

STATION REMOVED – SEE F287B–R

LA TUNA CREEK below Debris Basin — F287C–R
(Drainage Area 5.34 square miles)

WATER YEAR ENDING SEPTEMBER 30 YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1955-56	143	21	0	0.06	42.0	1	26	300	
1956-57	143	0.5	0	0.01	5.2	1	12	7.0	
1957-58	150	19.0	0	0.30	217	4	3	55	
1958-59	150	5.1	0	+	17	1	6	86	
1959-60	107	0.2	0	+	0.6	2	29	2.1	
1960-61	107	+	0	+	+			N.D.	
1961-62	124	71	0	0.98	704	2	11	86	
1962-63	124	14.2	0	0.11	82	2	9	61	
STATION DISCONTINUED 6 25 63									

LIMEKILN WASH at Devonshire Street — F149–R
(Drainage Area 3.8 square miles)

WATER YEAR ENDING SEPTEMBER 30 YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1939-40	80	1.9	0	0.02	13	1	8	12	0.3
1940-41	75	41	0	1.50	1080	2	17	318	11
1941-42	55	1.6	0	0.03	20	12	10	6.3	0.7
1942-43	79	60	0	0.85	619	1	22	300	9.3
1943-44	68	65	0	0.53	382	2	22	288	7.2
1944-45	67	7.0	0	0.11	77	2	2	50	2.0
1945-46	121	12	0	0.14	104	12	21	93	3.0
1946-47	121	8.1	0	0.13	92	12	25	33	2.5
1947-48	108	4.5	0	0.03	23	3	24	70	1.3
1948-49	108	1.0	0	0.01	4.4	3	11	6.7	0.2
1949-50	114	3.9	0	0.02	17	2	6	22	0.5
1950-51	114	1.7	0	0.02	14	1	29	21	0.5
1951-52	152	119	0	1.18	857	1	15	828	12
1952-53	152	11	0	0.15	107	11	15	199	3.2
1953-54	141	18	0	0.20	148	1	19	268	4.0
1954-55	141	7.9	0	0.10	75	1	18	49	2.3
1955-56	146	43	0	0.20	142	1	26	90	3.0
1956-57	146	11	0	0.09	67	2	23	69	2.0
1957-58				DISCONTINUED 1957				N.D.	N.D.

LIMEKILN CREEK above Aliso Creek — F350–R
(Drainage Area 10.3 square miles)

WATER YEAR ENDING SEPTEMBER 30 YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1961-62	125	126	0	*1.38	*1000	2	19	584	0.7
1962-63	125	75	0	0.50	359	2	9	446	0.5
1963-64		22	0	0.40	293	3	31	328	0.5
1964-65		81	0	1.08	780	4	8	470	0.8

LITTLE DALTON CREEK above Mouth of Canyon — F65B–R
(Drainage Area 2.7 square miles)

WATER YEAR ENDING SEPTEMBER 30 YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1928-29	44		0		* 58	3	10	* 5.8	
1929-30	52	4.5	0	0.12	85	5	3	28	
1930-31	80	1.8	0	0.04	30	4	26	6.3	
1931-32	46	25	0	0.62	449	1	31	72	8.4
1932-33	91	7.6	0	0.10	75	1	19	25	2.6
1933-34	91	97	0	0.67	482	1	1	201	11
1934-35	104	26	0	0.68	495	4	8	69	9.0
1935-36	104	19	0	0.64	465	2	11	118	11
1936-37	121	41	0	1.97	1430	12	31	140	20
1937-38	121	381	0	3.68	2660	3	2	960 E	38
1938-39	82	7.0	0	0.28	207	1	5	36	5.6
1939-40	81	13	0	0.32	231	1	7	63	7.7
1940-41	76	41	0	2.70	1950	3	4	73	27
1941-42	56	2.5	0	0.27	198	12	29	10	8.1
1942-43	80	76	0	2.64	1910	1	23	182	30
1943-44	69	97	0	1.24	900	2	22	198	20
1944-45	68	20	0	1.03	748	11	11	96	18
1945-46	123	57	0	0.72	519	12	21	111	14
1946-47	123	19	0	0.55	400	11	20	57	10
1947-48	111	1.6	0	0.06	41	4	3	4.0	1.9
1948-49	111	1.1	0	0.08	58	3	4	1.9	2.4
1949-50	117	3.3	0	0.13	94	12	18	8.1	3.3
1950-51	117	0.5	0	0.01	4.2	1	11	5.4	0.2
1951-52	155	45	0	1.29	935	1	16	118	15
1952-53	155	2.5	0	0.08	60	12	1	12	2.5
1953-54	144	27	0	0.42	308	1	25	58	9.0
1954-55	144	2.1	0	0.06	45	1	18	43	1.7
1955-56	148	50	0	0.29	211	1	26	180	6.5
1956-57	148	3.3	0	0.09	67.0	1	13	12.2	2.3
1957-58	153	76	0	1.93	1400	4	3	180	20
1958-59	153	11	0	0.11	81	2	16	64	4.0
1959-60	108	0.6	0	+	8.0	2	8	2.2	0.4
1960-61	108	24	0	0.13	96.4	1	26	314	6.4
1961-62	127	70	0	1.43	1030	11	20	1700	25
1962-63	127	15	0	0.14	100	2	9	122	4.0
1963-64		2.9	0	0.04	32	1	21	28	1.5
1964-65		9.8	0	0.15	109	4	9	62	3.9
NOTE: STATION AT VARIOUS LOCATIONS – SEE STATION DESCRIPTION									

LITTLE ROCK CREEK above Little Rock Dam — L1–R
(Drainage Area 49.2 square miles)

WATER YEAR ENDING SEPTEMBER 30 YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1930-31	94	195	0	4.99	3610	4	26	430	
1931-32	51	830	0	*	*16730	2	8	2200	18
1932-33	99	56	0	5.77	4180	3	9	66	7.8
1933-34	99	455	0	5.20	3770			N.D.	10
1934-35	107	716	0	24.4	17640	2	5	925	17
1935-36	107	127	0	4.57	3320	2	23	261	6.2
1936-37	124	679	0	30.3	21950	2	6	1550	18
1937-38	124		0		*	3	2	17000 E	N.D.
1938-39	84				*			N.D.	N.D.
1939-40	83	183	0	9.64	7000	1	8	555	13
1940-41	79	1730	0	71.3	51620	2	20	2240	36
1941-42	58	55	+	7.10	5140	4	14	92	8.9
1942-43	82	2730 E	0	49.5	35870	1	23	5700	29
1943-44	71	736	0.8	49.6	35940	2	22	902	32
1944-45	70	323	0.1	12.8	9250	11	11	1080	14
1945-46	127	604	0	16.7	12150	12	21	1100	17
1946-47	127	1740	0	21.9	15840	12	26	3180	23
1947-48	114	62	0	3.37	2450	4	29	122	6.8
1948-49	114	33	0	4.38	3170	4	14	37	9.8
1949-50	120	114	0	3.41	2470	2	6	212	6.8
1950-51	120	4.7	0	0.60	432	5	4	5.0	1.8
1951-52	158	311	0	31.6	22890	12	30	502	26
1952-53	158	33	0	4.17	3020	1	9	36	9.8
1953-54	146	328	0	11.6	8430	1	25	655	19
1954-55	146	116	+	10.1	7310	11	11	236	18
1955-56	152	424	0	7.54	5470	1	26	1050	14
1956-57	152	399	0	6.30	4560	1	13	1042	14
1957-58	156	521	0	40.7	29500	12	15	1070	36
1958-59	156	163	0	5.73	4150	2	16	598	14
1959-60	110	15	0	2.41	1750	1	26	17	7.0
1960-61	110	25	0	1.78	1290	11	6	37	6.0
1961-62	129	2060	0	25.8	18640	2	11	3180	30
1962-63	129	112	0	3.03	2200	2	10	314	6.3
1963-64		38	0	3.85	2800	4	1	49	9.5
1964-65		115	0	7.11	5150	4	19	155	11

LITTLE TUJUNGA WASH at Foothill Boulevard — F19-R
(Drainage Area 21.0 square miles)

WATER YEAR ENDING SEPTEMBER 30 YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1928-29	255			+	+			N.D.	
1929-30	51			+	+			N.D.	
1930-31	90	7.1	0	0.08	57	2	4	30	
1931-32	50	274	0	2.57	1870	2	9	660	
1932-33	96	118	0	0.71	514	1	19	450	
1933-34	96	258	0	1.12	819	1	1	1360	
1934-35	113	63	0	0.63	455	12	13	89	
1935-36	113	83	0	1.28	929	2	2	653	
1936-37	129	175	0	6.58	4760	2	14	964	
1937-38	129	1300	0	12.4	8960	3	2	8500 E	
1938-39	87	40	0	0.70	504	3	9	175	
1939-40	86	148	0	1.24	899	1	8	2090	
1940-41	83	534	0	14.6	10600	3	4	1310	
1941-42	62	30	0	0.27	199	12	28	198	
1942-43	88	592	0	10.2	7380	1	23	3700	
1943-44	76	826	0	8.04	5840	2	22	4220	
1944-45	76	48	0	0.76	550	11	11	244	
1945-46	137	96	0	0.80	577	3	30	156	
1946-47	137	54	0	0.98	706	11	20	200	
1947-48	123	2.6	0	0.01	9.1	3	24	16	
1948-49	123	0.1	0	+	0.2	5	19	0.9	
1949-50	124	3.1	0	0.04	29	12	18	9.8	
1950-51	124	1.4	0	0.01	9.0	1	11	13	
1951-52	162	422	0	7.67	5570	1	16	2110	
1952-53	162	18	0	0.25	184	12	1	138	
1953-54	152	43	0	0.56	407	2	13	198	
1954-55	152	7.3	0	0.06	47	1	18	35	
1955-56	157	125	0	0.53	385	1	26	445	
1956-57	157	5.0	0	0.05	35	2	28	112	
1957-58	161	223	0	4.75	3440	4	3	559	
1958-59	161	10	0	0.10	71	1	6	84	
1959-60	114	0.6	0	+	1.4	2	1	6.0	
1960-61	114	11	0	0.07	52	11	5	266	
1961-62	133	365	0	3.31	2390	2	11	1630	
1962-63	133	9.8	0	0.06	45	2	10	52	
1963-64		20	0	0.11	81	1	22	256	
1964-65		50	0	0.28	201	4	9	223	

TABLE XIV (Continued)

YEARLY DISCHARGE SUMMARY

LIVE OAK CREEK near Mouth of Canyon (Drainage Area 2.6 square miles) F31-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1927-28	50		0		*0.20	2	4	0.1	
1928-29	60	0	0	0	0				
1929-30	59	0	0	0	0				
1930-31	98	0	0	0	0				
1931-32	53	7.0	0	0.28	207	2	8	22	
1932-33	101	0.06	0	+	0.16	1	20	0.2	
1933-34	101	18.8	0	0.32	228	12	29	35	
1934-35	116	0	0	0	0				
1935-36	116	0.1	0	+	0.20	2	12	0.6	
1936-37	132	22	0	0.59	429	2	14	29	
1937-38	132	96	0	1.10	794	3	2	257	
1938-39	88	0.1	0	+	0.60	9	16	0.9	
1939-40	88	0.7	0	0.01	9.5	1	7	3.8	
1930-41	85	27	0	1.05	763	3	5	28	
1941-42	63	0	0	0	0				
1942-43	89	35	0	1.14	822	1	23	54	
1943-44	78	13.4	0	0.30	215	2	22	24	
1944-45	77	5.5	0	0.21	150	2	2	12	
1945-46	140	2.7	0	0.10	76	12	23	40	
1946-47	140	1.9	0	0.05	38	1	1	1.9	
1947-48	125	0	0	0	0				
1948-49	125	0	0	0	0				
1949-50	127	0	0	0	0				
1950-51	127	0	0	0	0				
1951-52	165	21	0	0.55	397	1	16	25	
1952-53	165	0	0	0	0				
1953-54	155	6.7	0	0.08	57	1	16	19	
1954-55	155	0	0	0	0				
1955-56	160	4.6	0	0.09	67	1	26	39	
1956-57	160	0	0	0	0				
1957-58	164	14.8	0	0.82	594	2	4	30	
1958-59	164	0.2	0	+	1.8	2	11	3.4	
1959-60	115	0	0	0	0				
1960-61	115	0	0	0	0				
1961-62	135	6.0	0	0.19	137	2	26	22	
1962-63	135	1.0	0	0.01	6.0	2	25	3.5	

STATION DISCONTINUED 11/29/63

LIVE OAK CREEK below Live Oak Dam (Drainage Area 2.3 square miles) F356-R

1963-64		+	0	+	+	Various Times		+	
1964-65		2.8	0	0.02	14	6	24	7.8	

LIVE OAK WASH below Seventh Street, La Verne (Established to measure M.W.D. water to Zone I) F311-R

1953-54	156	235	0		29604				
1954-55	156	239	0	33.3	24080				
1955-56	161				56039				
1956-57	161	216	0	69.1	50010				
1957-58	166	No delivery this year							
1958-59	166	No delivery this year							
1959-60	116	80	0	0.64	464				
1960-61	116	198	0	14.6	10596				
1961-62	137	No delivery this year							
1962-63	137	No delivery this year							
1963-64		+	0	+	+				
1964-65		153	0	2.11	1530.				

LOS ANGELES RIVER below Sepulveda Dam (Drainage Area 155 square miles) E5C-R

1952-53	169	327	3.1	18.2	13200	12	1	1480	7.6
1953-54	158	847	1.4	18.3	13210	2	13	4000	8.2
1954-55	158	524	4.2	22.2	16080	1	18	2220	4.2
1955-56	163	2480	3.2	24	17410	1	26	4670	9.2
1956-57	163	798	2.4	15.9	11500	1	13	3160	9.3
1957-58	166	2200	2.8	56.8	41110	12	15	10300	16
1958-59	166	1670	2.8	23.2	16770	1	6	10200	14
1959-60	117	785	2.4	22.1	16060	1	11	5320	14
1960-61	117	643	1.4	14.3	10320	11	5	5770	11
1061-62	137	6080	1.4	74.2	53730	2	12	13400	23
1962-63	137	1680	2.0	27.7	20060	2	9	7820	15
1963-64		1070	2.8	26.5	19280	1	22	5650	17
1964-65		1460	3.1	39.0	28270	4	9	5540	15

LOS ANGELES RIVER below Sepulveda Boulevard (Drainage Area 157 square miles) F5B-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1928-29	216				* 720	4	4	127	
1929-30	80	143	0	1.72	1230	3	15	389	
1930-31	99	652	0.06	5.09	3680	2	4	1300	
1931-32	55	825	0.08	8.72	6330	2	8	2000	3.7
1932-33	103	1010	0.05	6.14	4440	1	19	1720	4.2
1933-34	103	1910	0.03	7.65	5540	1	1	7380	4.8
1934-35	131	203	+	4.35	3150	1	5	886	1.9
1935-36	131	79	0.2	2.17	1570	2	12	286	1.0
1936-37	134	1200	0.2	15.1	10920	2	14	2630	4.4
1937-38	134	5870	0.8		*	3	2	12000 E	N.D
1938-39	89	1180	1.8	17.9	12970	12	15	2980	7.4
1939-40	89	637	1.8	10.2	7430	1	8	2690	5.4
1940-41	86	3540	2.9	76.1	55120	2	20	6610	16
1941-42	64	161	5.0	9.38	6790	12	28	1040	5.2
1942-43	91	2370	5.0	45.7	33070	1	23	2710	12
1943-44	79	4100 E	5.5	48.5	35210	2	22	5060	16
1944-45	78	256	7.5	14.3	10370	2	2	1000	7.1
1945-46	142	479	6.0	22.3	16120	12	21	1730	12
1946-47	142	358	6.0	21.9	15840	12	26	881	9.8
1947-48	125	83	5.2	11.7	8510	3	24	284	8.2
1948-49	125	103	4.0	8.45	6120	12	17	149	6.5
1949-50	127	141	2.4	7.87	5700	2	6	413	4.4
1950-51	127	91	1.0	9.43	6830	1	29	280	3.8
1951-52	166	4280	1.4	61.9	44920	1	16	8650	16

STATION ABANDONED MARCH 27, 1952. SEE STATION E5C-R

LOS ANGELES RIVER at Tujunga Avenue (Drainage Area 408 square miles) F300-R

1950-51	132	181	2.6	12.3	8910	1	29	598	2.4
1951-52	171	5360	3.1	101	73040	1	15	13220	9.2
1952-53	171	851	6.5	27.1	19610	12	1	2900	5.2
1953-54	161	1360	4.6	27.2	19690	2	13	5190	4.5
1954-55	161	842	5.7	30.4	22000	1	10	4560	3.1
1955-56	166	3890	5.7	35.1	25490	1	16	6800	5.5
1956-57	166	1300	4.5	27.2	19700	1	13	6060	5.7
1957-58	169	3530	3.8	100	72710	4	3	10800	10
1958-59	169	2080	4.8	29.2	21180	1	6	12760	6.4
1959-60	119	1040	4.0	28	20650	1	12	6900	7.8
1960-61	119	1010	3.2	18.3	13260	11	5	6600	5.2
1961-62	139	6170	2.6	97.7	70690	2	12	20960	11
1962-63	139	2200	4.0	34.1	24690	2	9	8700	6.5
1963-64		1440	3.6	35.4	25730	1	22	7910	6.7
1964-65		2020	5.0	50.4	36490	4	9	7840	7.2

LOS ANGELES RIVER at Vineland Avenue (Drainage Area 400 square miles) F124-R

1928-29	224	127	4.1	18.0	13040	11	14	427	
1929-30	60	158	3.9	23.0	16660	3	15	231	
1930-31	130				*8370	2	4	1240	
1931-32	57	998	0.6	17.6	12830	2	8	1630	
1932-33	107	1230	1.7	11.6	8370	1	19	2080	
1933-34	107	2450	1.3	16.0	11560	1	1	9140	
1934-35	134	288	2.2	8.65	6260	1	5	1020	
1935-36	134	91	2.1	5.59	4060	2	12	261	
1936-37	137				**	2	14	2770	
1937-38	137				**	3	2	37700E	

STATION ABANDONED

NOTE: STATION AT VARIOUS LOCATIONS. SEE STATION DESCRIPTION.

LOS ANGELES RIVER at Mariposa Street (Drainage Area 430 square miles) F266-R

1938-39	91				*20390	1	21	*1012	
1939-40	92	986	8.0	38.7	28050	1	8	3950	
1940-41	89	5500	8.5	160	116000	3	4	8450	
1941-42	67	358	14	49.1	35540	12	28	2290	
1942-43	93	4440	11	136	97060	1	23	7520	
1943-44	81	6050	14	113	82390	2	22	9040	
1944-45	80	904	14	40.7	29460	2	2	2840	
1945-46	146	792	6.0	38.8	28070	12	22	2250	
1946-47	146	500	4.0	36.3	26310	11	13	1220	
1947-48	129	359	5.1	21.0	15260	3	24	2180	
1948-49	129	295	4.0	23.4	16970	12	16	1110	
1949-50	134	293	0.3	8.05	5830	1	8	874	
1950-51	134	241	0.3	7.41	5370	1	29	1300	
1951-52	175	6220	0	112	81270	1	18	12740	
1952-53	175	889	0	18.7	13530	11	15	4910	
1953-54	166	1780	+	24.0	17360	2	13	6440	
1954-55	166	1150	+	21.2	15330	1	10	4750	
1955-56	171	4910	0	34.4	24990	1	26	7910	
1956-57	171	1670	0	26.5	19200	2	23	8100	
1957-58	172	4030	0	108	78210	4	3	11510	
1958-59	172	2400	0	21.2	15310	1	6	12380	
1959-60	121	1220	0	20.3	14720	1	12	6930	
1960-61	121	1390	0	15.7	11380	11	5	7400	
1961-62	142	7330	0	106	76740	2	12	24300	
1962-63	142	2630	+	28.8	20840	2	9	10360	
1963-64		1630	0	28.4	20630	1	22	8782	
1964-65		2650	0	48.2	34920	4	9	9450	

TABLE XIV (Continued)

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL

LOS ANGELES RIVER above Arroyo Seco (Drainage Area 510 square miles) F57C–R

1929-30	67	312	0	2.29	1660	3	15	500	
1930-31	123	927	0	5.48	3950	2	4	4540	
1931-32	60	2520	0	21.0	15240	2	8	3020	2.3
1932-33	111	2330	0	14.7	10640	1	19	5780	2.5
1933-34	111	5990	0	41.2	29810	1	1	22000	6.9
1934-35	117	568	0.1	17.3	12550	4	8	2400 E	1.8
1935-36	117	322	0.4	7.94	5770	3	30	2540	1.4
1936-37	139	1670	0.4	33.8	24470	2	6	2410	2.9
1937-38	139	27900	0.6	183	132600	3	2	68000 E	16
1938-39	93	1950	3.8	58.5	42360	1	5	3710	6.7
1939-40	94	2070	6.0	54.5	39590	1	8	8900	8.0
1940-41	92	6700	4.2	228	165000	2	20	11870	14
1941-42	69	1170	22	75.7	54800	12	10	5260	14
1942-43	95	7120	15	172	124400	1	23	23900	15
1943-44	83	8020	25	151	109800	2	22	14600	14
1944-45	82	1160	6.5	51.1	36990	2	2	4900	7.6
1945-46	149	1880	3.4	49.6	35880	12	22	5240	7.4
1946-47	149	896	1.6	43.3	31330	12	25	5320	6.0
1947-48	132	498	3.6	20.5	14890	3	24	4900	5.7
1948-49	132	451	4.2	24.3	17600	12	17	1530	6.1
1949-50	138	804	0.3	14.9	10760	2	6	2840	3.0
1950-51	138	487	0.5	10.8	7840	1	11	3600	3.0
1951-52	178	8130	0.5	149	108000	1	16	25260	11
1952-53	178	1370	0.6	25.5	18480	12	29	7270	5.5
1953-54	169	2570	0.2	29.0	21000	2	13	9580	4.7
1954-55	169	1510	0.2	25.2	18270	1	18	6850	4.2
1955-56	174	7290	0.6	49.4	35890	1	26	15300	7.4
1956-57	174	2390	0.2	34.4	24890	2	23	22190	6.3
1957-58	174	4650	0.4	126	91020	2	19	19660	10
1958-59	174	3790	0.2	27.9	20230	1	6	17220	7.5
1959-60	123	1420	+	23.3	16910	1	12	8960	6.3
1960-61	123	1690	+	16.6	12000	11	5	7890	5.5
1961-62	144	8510	+	120	86910	2	12	32500	13
1962-63	144	3750	+	32.4	23440	2	9	18070	6.7
1963-64		1950	+	27.9	20320	1	22	12250	6.3
1964-65		2880	+	49.1	35580	4	9	12520	7.6

NOTE: STATION AT VARIOUS LOCATIONS. SEE STATION DESCRIPTION.

LOS ANGELES RIVER below Firestone Boulevard (Drainage Area 614 square miles) F34D–R

1927-28	67		0		* 6690	2	4	*1120	
1928-29	161	775	0	13.6	9830	11	14	2010	
1929-30	72	813	0	13.4	9730	3	15	2210	
1930-31	106	1560	1.4	18.6	13450	2	4	4360	
1931-32	62	2650	0.4	35.3	25620	2	8	4780	3.3
1932-33	115	2900	0	23.5	17020	1	19	7070	3.2
1933-34	115	8550	0	52.9	38330	1	1	29400	6.9
1934-35	126	1430	0	40.3	29170	1	5	10400	3.4
1935-36	126	1040	0	20.5	14920	2	12	5730	2.8
1936-37	144	3460	0	67.2	48630	12	30	10000 E	4.8
1937-38	144	40000	0	278	201300	3	2	79000	19
1938-39	96	5090 E	0	108	78440	9	25	10800	9.9
1939-40	97	2410	14 E	80.5	58420	1	8	7610	9.0
1940-41	96	7580	10	345	249500	2	20	14760	17
1941-42	72	2030	27	97.8	70820	12	10	8210	8.7
1942-43	97	10710	18	268	193700	1	23	27500	18
1943-44	86	13020	38	249	180900	2	22	24750	18
1944-45	84	1980	16	91.0	65900	2	2	6970	9.7
1945-46	153	4000	8.4	95.8	69310	12	22	12500	10
1946-47	153	2760	14	99.7	72180	12	25	14870	10
1947-48	136	1280	10	52.8	38350	3	24	8980	9.8
1948-49	136	1130	11	49.1	35550	12	17	5300	8.1
1949-50	142	1770	8.5	43.9	31760	2	6	8480	5.0
1950-51	142	898	7.5	35.3	25560	1	11	5840	5.1
1951-52	181	11790	1.8	249	180500	1	16	32890	15
1952-53	181	2000	1.4	57.1	41380	11	15	14100	7.8
1953-54	173	4190	1.2	70.9	51330	2	13	19520	7.9
1954-55	173	2470	6.2	54.3	39340	1	18	13660	5.2
1955-56	178	12000	8.2	91.5	66440	1	26	28900	8.8
1956-57	178	3960	3.8	53.2	38500	2	23	24600	6.5
1957-58	178	6290	4.3	191	138400	2	19	34100	12
1958-59	178	4660	5.9	51.4	37210	1	6	24250	8.8
1959-60	125	2090	4.0	43.6	31610	1	12	10700	7.4
1960-61	125	2230	4.5	32.6	23600	11	5	7810	6.1
1961-62	147	9630	3.8	170	123300	2	12	28400	14
1962-63	147	4080	4.3	56.2	40690	2	9	19340	8.0
1963-64		2810	2.6	49.6	36030	1	21	11350	7.6
1964-65		3380	4.3	66.5	48110	4	9	18710	7.4

NOTE: STATION AT VARIOUS LOCATIONS. SEE STATION DESCRIPTION.

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL

LOS ANGELES RIVER at Pacific Coast Highway (Drainage Area, split) F180–R

1928-29	171				* 9340	3	10	* 2870	
1929-30	87	1270	0.9	17.0	12310	3	15	1670	
1930-31	114	1390	0	19.9	14400	2	3	3700	
1931-32	65	7130	0.8	70.2	50960	2	9	8380	
1932-33	119	3310	0.3	31.6	22890	1	19	8710	
1933-34	119	19900	0	93.7	67860	1	1	37500	
1934-35	121	2930	1.6	55.9	40470	4	8	11000	
1935-36	121	1630	2.3	28.3	20470	2	12	10400	
1936-37	149	6800	3.3	126	91110	2	14	20500	
1937-38	149	50000	1.0	564	408000	3	2	99000 E	
1938-39	98	6220	3.5	114	82750	9	25	17300	
1939-40	100	2830 E	15	90.8	65930	2	2	8440	
1940-41	99	11120	18	510	369500	3	4	18170	
1941-42	75	3180	31	129	93390	12	10	10800	
1942-43	100	18100	28	366	264900	1	23	37900	
1943-44	88	17190	38	299	217400	2	22	34000	
1944-45	87	3020	33	138	100200	11	12	11600	
1945-46	156	6440	30	127	91790	12	22	12800	
1946-47	156	5750	18	146	106000	12	26	16810	
1947-48	140	1540	19	72.8	52820	3	24	9310	
1948-49	140	1790	13	61.3	44350	12	17	5520	
1949-50	146	2360	6.3	58.3	42180	2	6	9090	
1950-51	146	1610	5.6	50.6	36600	1	29	9040	
1951-52	185	16310	3.8	292	212200	1	16	47800	
1952-53	185	2932	1.9	61.4	44490	11	15	21100	
1953-54	177	8120	24	97.8	70790	2	13	34760	
1954-55	177	4180	2.2	83.0	60120	1	18	17750	

NOTE: See tabulation of combined flows at Pacific Ocean at end of Summary.

STATION DISCONTINUED 1 25 56

LOS ANGELES RIVER below Wardlow Road (Drainage Area 809.7 square miles) (Excludes Area above Santa Fe Dam) F319–R

1955-56	183	21720	7.0	133	96810	1	26	40500	
1956-57	183	4550	5.5	67.3	48710	2	23	23000	
1957-58	181	10400	6.4	264	191200	2	19	43800	
1958-59	181	6340	7.2	68.2	49390	1	6	30980	
1959-60	127	3420	3.7	67.6	49100	1	12	21700	
1960-61	127	2860	1.3	44.2	32000	1	26	9450	
1961-62	149	14750	0.6	245	177400	2	12	42200	
1962-63	149	5480	1.2	75.6	54700	2	9	31420	
1963-64		4150	5.3	64.8	47020	1	22	15980	
1964-65		5150	4.1	106	76680	4	9	30090	

NOTE: See tabulation of combined flows at Pacific Ocean at end of Summary.

LOS CERRITOS CHANNEL at Stearns Street (Drainage Area 36.2 square miles) F279C–R

*1949-50	149	247	0	2.63	1900	2	6	894	9.4
*1950-51	149	161	0	3.03	2190	1	29	934	14
*1951-52	189	836	0	13.4	9730	1	18	2220	26
*1952-53	189	298	0	3.88	2810	11	15	1700	16
*1953-54	181	795	0	8.08	5850	2	13	2790	22
*1954-55	181	362	0	6.21	4500	1	18	2120	21
1955-56	188	1460	0	8.95	6500	1	25	3040	24
1956-57	188	280	+	4.03	2920	2	23	747	17
1957-58	185	972	+	13.4	9730	2	19	3050	23
1958-59	185	393	0	3.33	2410	2	16	1120	18
1959-60	129	351	+	5.21	3780	2	1	3120	19
1960-61	129	229	0	2.53	1830	1	26	1020	21
1961-62	152	730	+	12.3	8860	2	8	2080	26
1962-63	152	720	+	6.37	4610	2	10	3610	19
1963-64		296	+	3.32	2410	11	19	2430	16
1964-65		349	0.1	6.85	4960	4	8	1590	17

* AT ATHERTON STREET

TABLE XIV (Continued)

YEARLY DISCHARGE SUMMARY

MALIBU CREEK below Cold Creek (Drainage Area 103.2 square miles) — F130–R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1930-31	139				*1920	2	4	743	
1931-32	68	1770	0.01	20.2	14670	2	9	3100	12
1932-33	123	1100	0.1	12.7	9190	1	19	4460	10
1933-34	123	3160	0.05	17.1	12370	1	1	9650	14
1934-35	139	511	+	8.59	6220			N.D.	5.0
1935-36	139	92	0	3.19	2310	2	23	147	2.8
1936-37	154	1680	0	33.1	23940	2	14	2760	16
1937-38	154	5090E	0.2	47.1	34100	3	2	10000E	22
1938-39	101	139	0	6.40	4630	12	20	331	4.0
1939-40	103	335	+	8.40	6100	2	2	690	6.7
1040-41	103	2200	0.1	101	73220	2	20	3620	30
1941-42	77	32	0.1	2.52	1820	12	28	140	2.4
1942-43	102	5370	0.1E	65.8	47600	1	22	12240	25
1943-44	90	3400	0.7E	41.6	30170	2	22	7700	21
1944-45	89	210	0.2	5.87	4240	2	2	516	5.0
1945-46	160	267	0.1	5.24	3800	3	30	506	4.2
1946-47	160	142	0.1	5.28	3820	11	13	980	4.7
1947-48	144	15	0.03	0.25	177	3	24	113	0.4
1948-49	144	0.6	+	0.12	90	5	18	0.62	0.2
1949-50	152	64	0	0.66	477	2	6	674	0.7
1950-51	152	0.3	0	0.08	56	1	11	2.9	0.1
1951-52	192	6720	0	80.2	58200	3	15	13560	30
1952-53	192	81	+	4.05	2940	11	15	322	4.1
1953-54	184	655	0.1	6.89	4990	2	13	2250	5.5
1954-55	184	16	0.1	1.05	758	1	18	45	0.9
1955-56	191	1260	0.1	6.45	4680	1	26	3600	5.1
1956-57	191	12	+	0.61	444	2	23	46	0.6
1957-58	188	1630	0.03	43.7	31660	4	3	4260	18
1958-59	188	114	0.1	2.09	1510	1	6	3180	2.9
1959-60	131	17	0.03	0.69	504	4	27	84	0.8
1960-61	131	2.0	0.01	0.14	99	1	26	8.0	0.3
1961-62	154	3920	0.01	36.3	26150	2	10	7060	18
1962-63	154	24	0.03	0.97	701	3	16	104	0.9
1963-64		17	0.02	0.53	384	1	22	65	0.7
1964-65		148	+	2.15	1560	4	9	521	1.7

MISSION CREEK at San Gabriel Boulevard (Drainage Area 4.15 square miles) — F83–R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1929-30	117	20	14	17.0	12290	2	3	20	
1930-31	187	37	12	16.3	11820	2	4	49	
1931-32	90	37	13	16.7	12120	2	8	44	
1932-33	158	32	11	16.2	11720	1	29	51	
1933-34	158	84	7.6	12.5	9030	1	1	166	
1934-35	171	18	9.0	12.6	9140	4	8	32	
1935-36	171	26	9.5	13.5	9810	2	12	38	
1936-37	182	51	10	15.0	10840	2	14	84	
1937-38	182		15	19.6*	*14220			N.D.	
1938-39	120	77	19	22.5	16320	9	25	118	
1939-40	121	52	15	22.3	16210	1	8	74	
1940-41	124	86	17	25.1	18120	3	4	104	
1941-42	92	43	20	25.9	18740	12	10	68	
1942-43	120	101	19	24.0	17410	1	22	252	
1943-44	109	176	20	26.0	18850	2	22	336	
1944-45	91	53	18	24.9	18010	11	12	76	
1945-46	164	52	17	21.6	15630	12	23	67	
1946-47	164	45	15	19.7	14230	12	25	80	
1947-48	146	33	13	17.4	12670	12	5	51	
1948-49	146	24	10	14.7	10640	1	20	27	
1949-50	155	19	7.5	12.1	8780	1	8	26	
1950-51	155	13	5.3	9.26	6700	1	29	13	
1951-52	196	35	4.1	8.39	6090	1	18	71	
1952-53	196	13	4.6	8.52	6170	1	24	14	
1953-54	188	8.5	2.0	4.94	3580			N.D.	
1954-55	188	8.7	0.9	4.28	3100	1	18	12	
1955-56	198	10	0.8	3.18	2310	1	27	10 E	
1956-57	198	8.2	+	2.54	1840	11	15	8.9	
1957-58	196	8.0	0.1	3.67	2660	2	19	16	
1958-59	196	12	1.5	5.42	3920	1	6	20	
1959-60	137	5.3	0.3	2.97	2160	2	1	6.8	
1960-61	137	2.0	0	0.83	606	2	9	2.0	
1961-62	162	12	0	1.25	902	2	11	24	
1962-63	162	3.5	0	1.09	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	

MILLARD CREEK above Arroyo Seco (Drainage Area 2.8 square miles) — P346–R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1961-62	156	64	0	0.78	564	2	11	100	
1962-63	156				*	2	9	132	
1963-64		3.8	0	0.09	69	3	22	33	
1964-65		14	0	0.26	187	4	9	25	

MONROVIA CREEK above Sawpit Creek (Drainage Area 1.9 square miles) — F22–R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1927-28	44	0.8	0.05	0.11	* 70	2	4	N.D.	
1928-29	105	2.8	0.02	0.08	57	3	10	7.1	
1929-30	94	2.6	0	0.08	55	1	15	5.9	
1930-31	149	3.0	0	0.06	43	4	26	13	
1931-32	73	14	0.01	0.25	184	2	9	24	
1932-33	129	17	0	0.12	86	1	19	58	
1933-34	129	40	0	0.26	187	1	1	108	
1934-35	142	18	+	0.24	173	4	8	109	
1935-36	142	11	+	0.29	208	2	2	78	
1936-37	157	18	0	0.63	456	12	27	81	
1937-38	157	150 E	+	1.98	1430	3	2	N.D.	
1938-39	103	8.5	+	0.21	155	9	25	23	
1939-40	105	8.5	+	0.19	138	1	8	68	
1940-41	105	21	+	0.94	680	3	4	68	
1941-42	78	1.8	+	0.11	81	12	29	2.6	
1942-43	104	95 E	+	1.75	1270			N.D.	
1943-44	92	35	+	0.32	236	2	22	97	
1944-45	93	11	0.03	0.19	139	11	11	52	
1945-46	167	13	0.01	0.16	120	12	23	55	
1946-47	167	9.9	0.02	0.13	94	11	20	40	
1947-48	150	0.2	0.02	0.04	26	3	24	1.4	
1948-49	150	0.2	0.01	0.04	27	1	20	0.64	
1949-50	158	2.2	0.01	0.07	52	11	10	16	
1950-51	158	0.6	0.01	0.04	31	1	11	4.6	
1951-52	199	17	0.01	0.50	359	1	16	82	
1952-53	199	4.7	0.01	0.11	78	12	1	80	
1953-54	190	Station destroyed by mud flow				1	25	486	
1954-55	190				N.D.			N.D.	
1955-56	203	21	+	0.12	90	1	26	84 E	
1956-57	203	2.5	+	0.08	61	2	23	12	
1957-58	201	16	+	0.67	487	4	1	38	
1958-59	201	7.5	0.02	0.17	124	2	16	23	
1959-60	140	1.0	0.01	0.07	53	2	29	4.9	
1960-61	140	1.2	0.01	0.05	35	11	12	8.8	
STATION DISCONTINUED									

MINT CANYON CREEK at Fitch Avenue (Drainage Area 26.92 square miles) — F328–R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1956-57	Record incomplete				(Recorder installed 10/26/56)				
1957-58	191	66	0	0.60	435	12	15	708	
1958-59	191	14	0	0.01	44	1	6	317	
1959-60	133	0.3	0	0.003	2.0	1	10	8.1	
1960-61	133	3.6	0	0.02	14.5	11	5	64	
1961-62	158	49	0	0.36	257	2	11	176	
1962-63	158	3.0	0	0.04	26	9	18	70	
1963-64		13	0	0.06	45	4	1	111	
1964-65		17	0	0.09	66	4	8	94	

MISSION CREEK below Legg Lake (Drainage Area 3.45 square miles) — F330–R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1956-57	196	1.8	0.1	0.96	696				
1957-58	193	3.3	+	1.17	848				
1958-59	193	5.0	0.3	2.33	1680				
1959-60	135	3.0	+	1.22	888				
1960-61	135	1.0	+	0.36	260				
1961-62	160	9.2	+	0.42	307				
1962-63	160	1.4	0	0.60	434				
1963-64		0.4	0	+	2.4				
1964-65		0	0	0	0				

MONROVIA STORM DRAIN above Peck Road — F195B–R
(Drainage Area 4.5 square miles)
(Drainage Area 4.7 square miles beginning 1955-56)

WATER YEAR ENDING SEPTEMBER 30 YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1932-33	132		0		**			N.D.	
1933-34	132	108	0	0.60	433	1	1	554	
1934-35	145	56	0	0.54	392	1	5	429	
1935-35	145	48	0	0.42	307	2	2	369	
1936-37	161	44	0	0.75	539	10	18	383	
1937-38	161	306	0	1.56	1130	3	2	1200 E	
1938-39	105	55	0	0.80	579	1	5	667	
1939-40	107	52	0	0.68	494	1	7	422	
1940-41	107	128	0	2.21	1600	3	4	770	
1941-42	80	31	0	0.31	228	12	10	412	
1942-43	106	147	0	1.18	855	2	22	717	
1943-44	94	88	0	0.70	508	2	22	828	
1944-45	94	38	0	0.34	249	2	2	414	
1945-46	171	55	0	0.45	324	12	22	374	
1946-47	171	32	0	0.44	322	12	26	388	
1947-48	152	16.8	0	0.23	169	3	24	398	
1948-49	152	9.3	0	0.21	150	3	7	154	
1949-50	161	27	0	0.38	272	2	6	253	
1950-51	161	15.1	0	0.25	184	1	11	323	
1951-52	202	196	0	1.94	1410	1	16	884	
1952-53	202	51	0	0.50	359	12	1	917	
1953-54	192	56	0	0.61	441	2	13	340	
1954-55	Station removed for channel construction								
1955-56	205	158	0	0.76	552	1	26	523	
1956-57	205	47	+	0.65	474	2	23	588	
1957-58	204	74	+	1.87	1360	2	19	473	
1958-59	204	56	+	0.58	417	1	6	670	
1959-60	141	42	+	0.53	384	4	27	402	
1960-61	141	31	0	0.36	259	11	6	651	
1961-62	165	140	+	1.56	1130	1	20	622	
1962-63	165	69	+	0.69	413	3	16	338	

STATION DISCONTINUED JULY 1, 1963

MONTEBELLO STORM DRAIN above Rio Hondo — F181–R
(Drainage Area 9.6 square miles)

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1931-32	75		0		* 1120	1	31	531	13
1932-33	133	125	0	0.82	592	1	19	713	11
1933-34	133	391	0	2.64	1910	1	1	1360	26
1934-35	148	114	0	2.28	1650	1	5	1140	14
1935-36	148	55	0	1.22	889	2	14	374	14
1936-37	163		0		**			N.D.	N.D.
1937-38	163				**	2	2	1400 E	N.D.
1938-39	107	147	0	1.35	981	9	25	688	10
1939-40	109	77	0.1	1.22	885	2	1	729	12
1940-41	108	204	0.1	5.64	4090	3	3	936	23
1941-42	81	102	0.1	1.33	962	12	10	521	11
1942-43	107	300 E	0.1 E	3.60	2580			N.D.	20
1943-44	95	323 E	0.1	3.30	2390	2	22	1040	20
1944-45	96	64	0.1 E	0.85	768	11	11	506	9.4
1945-46	173	92	0	1.19	865	12	22	384	13
1946-47	173	144	0.1	1.86	1350	11	13	1240	14
1947-48	155	86	0.1	1.26	913	12	5	1230	14
1948-49	155	41	0.1	1.19	861	12	17	347	13
1949-50	163	95	0.1	1.71	1240	1	8	790	16
1950-51	163	50	0.1	1.23	888	1	10	333	14
1951-52	204	302	0.1	4.60	3330	3	7	1010	22
1952-53	204	97	0.1	1.97	1430	11	15	770	19
1953-54	194	232	0.1	3.02	2190	2	13	1010	26
1954-55	194				*1210	1	18	759	17
1955-56	208	463	+	2.90	2110	1	26	856	23
1956-57	208	65	+	1.55	1120	2	28	570	22
1957-58	206	199	+	4.49	3250	2	19	865	24
1958-59	206	109	0.1	1.70	1230	1	6	869	24
1959-60	143	96	0.1	2.11	1530	1	12	784	22
1960-61	143	65	0.1	1.22	884	11	26	478	18
1961-62	167	225	0.1	4.65	3370	2	12-19	783	28
1962-63	167	129	0.3	2.12	1530	3	16	851	22
1963-64		77	0.2	1.76	1280	11	19	553	21
1964-65		124	+	2.72	1970	4	9	844	24

PACOIMA CREEK FLUME below Pacoima Dam — F118B–R
(Drainage Area 28.2 square miles)

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1928-29	268				* 876			N.D.	
1929-30					865	9	29	9.6	
1930-31					886	2	14-18	4.0	
1931-32	81	75	0	10.6	8400	2	16-17	75	
1932-33	139	28	0	2.47	1790	4	13	81	
1933-34	139	40	0	3.50	2540	1	26	54	
1934-35	151	97	0	7.10	5140	8	21	174	
1935-36	151	57	0	4.17	3030	5	13	153	
1936-37	164	216	0	20.1	14540	2	18	233	
1937-38	164	339	+	31.4	22740	3	2	685	
1938-39	109	49	+	4.25	3080	1	20	51	
1939-40	110	136	+	4.38	3180	2	4	169	
1940-41	110	431	0	36.5	26430	3	5	460	
1941-42	82	25E	0	2.74	1980	7	15	97	
1942-43	109	576	0	28.2	20400	1	23	598	
1943-44	97	305	0	20.9	15150	3	2-3	326	
1944-45	97	174	0	6.78	4910	2	2	397	
1945-46	176	137	0	4.01	2900	2	5	241	
1946-47	176	230	0	8.32	6020	1	7	237	
1947-48	157	6.4	0	0.46	334	6	22	10.0	
1948-49	157	7.9	0	1.02	740	6	24	10.3	
1949-50	166	98	0	1.41	1020	4	11	314	
1950-51	166	5.3	0	0.09	66	6	12	17.2	
1951-52	207	416	0	19.8	14360	1	18	634	
1952-53	207	157	+	4.84	3500	11	17	163	
1953-54	197	229	0	4.06	2940	4	5	292	
1954-55	197	14.7	0	1.02	737	4	21	42	
1955-56	218	5.2	0	1.72	1250	5	17	66	
1956-57	218	28	0	1.06	774	5	7	63	
1957-58	208	333	0	21.9	15880	2	5	420	
1958-59	208	5.7	0	0.98	708			N.D.	
1959-60	145	3.7	0	0.37	269	8	2	4.2	
1960-61	145	0.1	+	0.01	6.1	10		0.1	
1961-62	169	160	0	8.76	6340	4	7	511	
1962-63	169	20	+	0.27	193	9	25	23	
1963-64		19.3	+	0.92	670	6	15	117	
1964-65		5.1	0	1.37	996	5	7	5.3	

NOTE: STATION AT VARIOUS LOCATIONS. SEE STATION DESCRIPTION.

PACOIMA DIVERSION at Branford Street — F305–R
(Drainage Area 48.8 square miles)

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1953-54	199	116	0	1.35	975	2	13	508	
1954-55	199	53	0	1.20	873	5	7	450	
1955-56	212	194	0	1.54	1120	1	26	622	
1956-57	212	57	0	1.16	841	1	13	580	
1957-58	211	326	0	8.83	6390	2	4	1380	
1958-59	211	163	0	0.95	693	1	6	2800	
1959-60	147	46	0	0.95	690	1	11	666	
1960-61	147	86	0	1.26	910	11	5	988	
1961-62	171	496	0	5.12	3700	2	11	2960	
1962-63	171	78	0	1.22	886	4	25	988	
1963-64		150	0	1.54	1120	1	22	2550	
1964-65		62	0	1.67	1210	4	9	946	

PACOIMA WASH at Parthenia Street — F16–R
(Drainage Area 50.6 square miles)

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1928-29	257		0		+			N.D.	
1929-30	107	11	0	0.08	57	1	11	70	
1930-31	159	23	0	0.15	105	2	4	270	
1931-32	78	51	0	0.67	485	2	8	477	
1932-33	141	10	0	0.04	28	1	16	60	
1933-34	141	48	0	0.22	157	1	1	305	
1934-35	154	10	0	0.14	106	1	5	70	
1935-36	154	26	0	0.37	271	2	23	98	
1936-37	166	44	0	0.49	356	2	6	159	
1937-38	166		0		*	3	3	2400E	
1938-39	110	53	0	0.52	377	12	15	258	
1939-40	111	50	0	0.33	250	1	8	584	
1940-41	112	309	0	10.6	7640	3	3	843	
1941-42	83	9.0	0	0.05	34	12	10	57	
1942-43	110	431	0	9.24	6680	1	22	843	
1943-44	99	224	0	5.62	4080	3	1	355	
1944-45	99	104	0	0.61	294	2	2	649	
1945-46	178	22	0	0.34	245	12	21	171	
1946-47	178	27	0	0.67	489	11	23	157	
1947-48	159	19	0	0.14	102	3	24	178	
1948-49	159	6.6	0	0.07	53	12	26	60	
1949-50	168	17	0	0.15	108	2	6	100	
1950-51	168	9.8	0	0.17	125	1	11	102	
1951-52	209	464	0	7.64	5550	1	17	2640	

STATION ABANDONED 9/3/52 (SEE STATION F15-R)

TABLE XIV (Continued)

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
PACOIMA WASH at Van Nuys Boulevard (Drainage Area 5.66 square miles) F15–R									
1952-53	210	80	0	0.55	395	11	15	785	
1953-54	202	67	0	0.44	316	2	13	311	
1954-55	202	43	0	0.34	271	1	10	233	
1955-56	215	169	0	0.80	583	1	26	295	
1956-57	215	55	0	0.67	482	1	13	287	
1957-58	213	88	0	2.21	1600	2	4	469	
1958-59	213	105	0	0.53	381	1	6	576	
1959-60	149	4.2	0	0.04	27	1	11	33	
1960-61	149	27	0	0.09	67	11	5	319	
1961-62	173	28	0	0.33	238	2	12	245	
1962-63	173	15	0	0.10	72	2	9	106	
1963-64		8.4	0	0.09	67	11	20	49	
1964-65		21.	0	0.15	105	4	8	232	
PALLETT CREEK at Valyermo Highway (Drainage Area 18.3 square miles) F122–R									
1961-62	175	92	0	0.43	311	2	11	259	
1962-63	175	0.7	0	0.26	190	2	9	3.0	
1963-64		0	0	0	0				
1964-65		0.3	0	+	0.6	8	12	16	
PUDDINGSTONE DIVERSION CHANNEL San Dimas Water Company Outlet at Juanita Street F307–R									
1952-53				Recorder installed 6/16/53					
1953-54	208				*477				
1954-55	208				432				
1955-56	220				1368				
1956-57	220	3.0	0	0.04	74	6	13	3.1	
1957-58	218	0	0	0	27				
1958-59	218				0				
1959-60	153	0	0	0	0				
1960-61	153	0	0	0	0				
1961-62									
1962-63									
STATION DISCONTINUED JUNE 20, 1963									
PUDDINGSTONE CREEK below Puddingstone Dam (Drainage Area 32.3 square miles) F40–R									
1927-28	55		0		* 32	2	4	* 0.6	
1928-29	55	0.4	0	0.04	30	12	13	2.0	
1929-30	112	0.6	0	0.05	30	5	3	1.4	
1930-31	165	0.3	0.01	0.03	23	4	26	0.9	
1931-32	82	3.0	0.01	0.11	81	2	9	15.0	
1932-33	144	1.3	0	0.05	38	1	29	5.0	
1933-34	144				*			N.D.	
1934-35	156	1.2	0.01	0.06	44	10	17	4.3	
1935-36	156	2.0	0.01	0.05	36	2	12	13.2	
1936-37	168	6.1	+	0.27	198	2	6	18.0	
1937-38	168	99	0.1	6.66	4810	3	7	104	
1938-39	112	23	0.1	1.85	1330	10	30	25	
1939-40	113	1.0	+	0.20	145	1	7	7.0	
1940-41	114	15.7	+	2.47	1790	2	19	25	
1941-42	84	44	0.1	2.27	1640	12	3	91	
1942-43	112	141	0.05	4.23	3060	3	4	287	
1943-44	100	51	+	1.54	1120	3	2	51	
1944-45	100	6.2	0.02	0.55	394	2	2	9.8	
1945-46	181	30	0.1	3.92	2840	8	31	37	
1946-47	181	3.6	0.02	0.18	131	11	12	6.0	
1947-48	165	0.7	0.01	0.07	49	7	13	7.3	
1948-49	165	0.9	+	0.06	45	7	22	2.5	
1949-50	172	1.5	+	0.04	28	12	18	4.4	
1950-51	172	0.25	0	+	11	12	14	3.1	
1951-52	215	2.9	+	0.15	108	1	16	11.8	
1952-53	215	3.3	0.01	0.19	135	4	20	3.7	
1953-54	209	362	0.01	42.3	30650	9	23	397	
1954-55	209	366	0.03	32.2	23300	12	12	404	
1955-56	222	396	0.05	70	50800	9	30	389	
1956-57	222	381	0.1	74.3	53780	4	26	414	
1957-58	219	5.4	+	0.44	314	4	7	15.9	
1958-59	219	2.7	0.04	0.08	60	1	6	11.0	
1959-60	153	0.5	0.02	0.06	42	1	12	3.4	
1960-61	153	291	0.02	13.1	9450	11	16	294	
1961-62	179	1.5	+	0.07	50	2	19	1.5	
1962-63	179	21	0.01	0.67	483	11	28	21	
1963-64		0.2	+	0.03	20	11	1	8.3	
1964-65		309	+	10.3	7430	9	20	310	

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
RIO HONDO at Lower Azusa Road (Drainage Area 40.9 square miles excluding area above Santa Fe Dam) F192B–R									
1931-32	84		0		*12710			N.D.	
1932-33	147	937	0	5.25	3800	1	20	5160	
1933-34	147	2700	0	11.2	8110	1	1	5860	
1934-35	158	324	0	11.3	8160	4	8	604	
1935-36	158	114	0	4.68	3400	2	11	391	
1936-37	170	904	0	38.6	27960	2	20	1030 E	
1937-38	170	10500	0	241	174300	3	2	31000 E	
1938-39	113	191	0	2.17	1570	1	5	680	
1939-40	114	224	0	5.01	3640	1	7	288	
1940-41	116	2220	0	113	81450	3	4	4000	
1941-42	85	214	0.1	2.73	1980	12	10	254	
1942-43	113	1300 E	0	14.7	10680	1	23	3500	
1943-44	103	502	0.3	15.9	11600	2	22	1080	
1944-45	102	112	0.1	1.90	1380	11	11	1060	
1945-46	185	267	0	18.0	13030	12	23	483	
1946-47	185	279	0	11.8	8560	11	27-29	283	
1947-48	169	570	0	7.23	5250	6	7	584	
1948-49	169	4.9	0	0.10	71	2	27	50	
1949-50	175	24	0	0.28	203	12	18	124	
1950-51	175	24	0	0.32	234	1	11	636	
1951-52	219	753	0	8.74	6340	1	16	2180	
1952-53	219	785	0	9.04	6550	11	15	944	
1953-54	212	654	0	14.9	10800	2	13	1740	
1954-55	212	184	0	2.02	1460	1	18	2340	
1955-56	225	1020	0	4.05	2940	1	26	3030	
1956-57	225	390	0	5.92	4280	2	23	2270	
1957-58	221	735	0	32.6	*23610	2	19	1532	
1958-59	221	218	0	1.76	* 1290	1	6	1530	
1959-60	155	30	0	0.42	303	1	12	185	
1960-61	155	16.1	0	0.18	131	11	5	132	
1961-62	181	630	0	13.1	9460	2	12,19	856	
1962-63	181	28	0	0.30	221	3	16	182	
1963-64		22	0	0.26	187	1	21	296	
1964-65		32	0	0.47	340	4	9	397	
RIO HONDO above Mission Bridge (Drainage Area 115 square miles excluding area above Santa Fe Dam) F64–R									
1928-29	83	586	6.6	22.0	15980	11	14	2400	
1929-30	123	252	8.5	18.6	13430	3	15	1260	
1930-31	176	662	4.8	22.7	16410	2	3	4040	
1931-32	85	5090	3.3	65.6	47560	2	9	6320	
1932-33	150	1670	7.5	27.1	19650	1	19	4410	
1933-34	150	4690	3.3	40.0	28970	1	1	11800	
1934-35	162	885	8.5	40.4	29230	4	8	3560	
1935-36	162	446	10	28.6	20700	2	12	2890	
1936-37	174	989	9.5	70.3	50900	3	15	4600	
1937-38	174	12600 E	11	289	209300	3	2	28000 E	
1938-39	115	1280	14	42.4	30650	12	18	5220	
1939-40	116	505	13	38.1	27660	1	7	2380	
1940-41	118	3490	16	180	130600	3	4	6570	
1941-42	87	687	17	39.8	28810	12	10	4100	
1942-43	115	4650	20	82.2	59470	1	23	13200	
1943-44	105	2110	25	70.8	51390	2	22	4390	
1944-45	104	657	18	44.6	32300	11	11	4240	
1945-46	188	1210	23	59.6	43160	12	22	3600	
1946-47	188	866	22	66.9	48420	11	13	4950	
1947-48	172	548	6.6	34.9	25370	3	24	4240	
1948-49	172	269	4.8	15.3	11100	12	17	984	
1949-50	179	808	4.6	17.0	12280	2	6	2340	
1950-51	179	355	2.7	10.9	7880	1	11	2900	
1951-52	222	1840	2.2	47.6	34570	1	17	6930	
1952-53	222	699	3.0	22.2	16120	11	15	5330	
1953-54	215	1390	3.1	32.3	23390	2	13	6360	
1954-55	215	748	1.8	15.7	11350	1	18	6000	
1955-56	230	4080	2.7	23.9	17360	1	26	13010	
1956-57	230	1080	2.8	23.2	16840	2	23	8250	
1957-58	226	1970	2.2	161	116500	2	19	12610	
1958-59	226	1180	4.3	55.0	39800	1	6	11000	
1959-60	158	664	5.9	69.0	50100	1	12	3900	
1960-61	158	638	0.8	104	75350	1	26	3030	
1961-62	184	1800	3.4	146	106030	1	20	6070	
1962-63	184	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	

NOTE: See tabulation of combined flow at Whittier Narrows at end of summary.

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

RIO HONDO BY-PASS CHANNEL above Whittier Narrows Dam Structure F313–R									
		Established for Zone 1 flows							
1953-54	220				7230				
1954-55	220				9730				
1955-56	234				14990				
1956-57	234	168	0	28.1	20400				
1957-58	230	175	0	21.1	15300				
1958-59	230	0	0	0	0				
1959-60	160	0	0	0	0				
1960-61	160	0	0	0	0				
1961-62	187	153	0	44	31810				
1962-63	187	137	0	12.5	9110				
1963-64		0	0	0	0				
1964-65		0	0	0	0				

RIO HONDO at Stewart and Gray Road F45B–R
(Drainage Area 140 square miles excluding area above Santa Fe Dam)

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1927-28	74		0		* 269	3	6	* 4.0	
1928-29	179	248	0	3.40	2460	4	4	912	
1929-30	132	285	0	2.77	2000	3	15	743	
1930-31	170	335	0	2.63	1900	2	4	841	
1931-32	88	3440	0	27.4	19920	2	9	4610	
1932-33	154	971	0	6.15	4450	1	19	2730	
1933-34	154	5810	0	23.5	17030	1	1	16000	
1934-35	167	667	0	8.28	6000	4	8	3450	
1935-36	167	472	0	5.82	4220	2	12	3160	
1936-37	179	1460	0	37.1	26870	2	14	4800	
1937-38	179	12700	0	238	172100	3	3	24400 E	
1938-39	118	910	0	13.2	9540	12	18	5260	
1939-40	119	442	0	6.67	4850	1	8	1930	
1940-41	122	3690	0	129	93260	3	4	6420	
1941-42	90	564	0	9.29	6730	12	10	4240	
1942-43	118	4660	0	57.9	41910	1	23	11800	
1943-44	107	2570 E	0	36.9	26820	2	22	6670	
1944-45	107	492	0	11.7	8460	11	11	4500	
1945-46	192	1130	0	15.6	11280	12	22	4270	
1946-47	192	923	0	22.1	16030	11	13	5950	
1947-48	178	425	0	4.83	3510	3	24	2880	
1948-49	178	268	0	2.06	1490	1	20	713	
1949-50	183	402	0	3.92	2840	1	8	1790	
1950-51	183	135	0	1.08	781	1	29	1080	
1951-52	226	2430	0	35.9	26040	1	16	9040	
1952-53	226	571	0	4.76	3450	11	15	4600	
1953-54	222	1780	0	14.9	10760	2	13	8860	
1954-55	222	753	0	11.1	8000	1	18	4160	
1955-56	237	4910	0	20	14540	1	26	11640	
1956-57	237	967	0	6.4	4640	2	23	6560	
1957-58	231	2230	0	41.8	30260	2	19	10750	
1958-59	231	915	0	5.39	3900	1	6	11020	
1959-60	161	219	0	3.27	2370	1	12	3030	
1960-61	161	115	0	1.15	831	11	26	2090	
1961-62	188	2080	0	31.4	22780	2	19	7100	
1962-63	188	620	0	4.54	3280	2	9	4240	
1963-64		190	0	2.38	1730	1	22	2060	
1964-65		1130	0	7.33	5310	4	9	8780	

RUBIO DIVERSION CHANNEL F338–R
below Gooseberry Canyon Inlet
(Drainage Area 2.1 square miles)

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1959-60	164	0.8	0	0.01	8.8	1	11	8.6	
1960-61	164	0.8	0	0.01	6.0	1	26	5.4	
1961-62	192	7.9	0	0.09	62	2	11	22	
1962-63	192	2.6	0	0.03	20	2	10	32	
1963-64		0.8	0	0.02	14	1	21	7.9	
1964-65		1.0	0	0.04	30	11	9	21	

RUBIO WASH at Glendon Way F82C–R
(Drainage Area 13.4 square miles)
(Drainage Area 10.9 square miles beginning October 1959)

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1929-30	143	81	0	1.46	1060	3	14	661	
1930-31	194	107	0	1.54	1110	2	3	1690	
1931-32	92	124	0	2.05	1490	11	27	798	9.2
1932-33	161	234	0	1.53	1110	1	16	1510	10
1933-34	161	684	0	3.57	2580	12	31	2070	16
1934-35	173	134	0	2.44	1770	10	17	1680	9.5
1935-36	173	81	0	1.75	1280	2	22	1370	9.6
1936-37	185	186	0	3.87	2800	12	27	1180	12
1937-38	185	802	0	5.77	4180	3	2	2400E	17
1938-39	122	250	0	3.29	2370	1	5	1720	13
1939-40	123	122	0	2.37	1720	1	7	1000	13
1940-41	126	200	0	8.14	5890	3	3	1940	18
1941-42	93	130	0	2.11	1530	12	10	1200	13
1942-43	124	697	0	6.23	4520	3	4	2780	18
1943-44	113	393	0	4.40	3190	2	22	1930	16
1944-45	112	152	0	2.12	1540	11	11	1780	12
1945-46	200	244	0	2.54	1840	12	22	1630	14
1946-47	200	233	0	3.17	2300	11	13	2650	14
1947-48	185	91	0	1.48	1080	3	24	2090	13
1948-49	185	59	0	1.49	1080	10	30	530	11
1949-50	191	161	0	2.33	1690	2	6	1060	14
1950-51	191	80	0	1.40	1010	1	11	2290	12
1951-52	234	335	0	7.30	5300	1	16	3020	20
1952-53	234	133	0	2.02	1460	11	15	2200	15
1953-54	230	288	+	3.43	2490	1	19	2310	21
1954-55	230	126	+	2.58	1870	1	18	1290	16
1955-56	242	639	0	3.98	2880	1	26	1970	20
1956-57	242	199	+	3.17	2290	2	23	2980	19
1957-58	236	286	0.1	7.74	5610	2	19	2740	24
1958-59	236	218	0.2	2.80	2030	1	6	2780	28
1959-60	166	135	0.2	2.51	1820	1	11	985	24
1960-61	166	117	0.2	1.76	1270	11	6	902	24
1961-62	194	281	0.1	5.69	4120	1	20	1200	28
1962-63	194	246	0.1	2.44	1760	2	9	1180	19
1963-64		136	0.2	2.59	1870	1	21	1570	22
1964-65		164	0.1	2.80	2030	4	9	2040	15

NOTE: STATION AT VARIOUS LOCATIONS. SEE STATION DESCRIPTION

SAN ANTONIO CREEK above Stoddard Canyon F323–R
(Drainage Area 22.2 square miles)

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1955-56		Record Incomplete			(Recorder installed 2/1/56)				
1956-57		37	0	0.82	594	1	13	193	2.4
1957-58	242	343	0	36.2	25940	4	3	700 E	40
1958-59	242	29	0	0.86	621	2	16	84	2.7
1959-60	170	3.6	0	0.01	9.1	4	27	9.1	+
1960-61	170	+	0	+	+			+	+
1961-62	198	102	0	5.88	4260	2	11	206	9.8
1962-63	198	16	0	0.34	245	2	9	68	1.0
1963-64		7.7	0	0.2	531	1	22	14	3.6
1964-65		15	0	0.82	596	9	18	33	2.0

SAN ANTONIO WATER CO. DIVERSION F332–R
near Ontario #1 Power House

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1957-58	245	Record Incomplete			(Recorder installed 2/8/57)				
1958-59	245	7.1	0	0.42	307			N.D.	
1959-60	172	0.9	0	+	2.8	4	28	2.3	
1960-61	172	0	0	0	0				
1961-62	200	10	0	1.09	786	2	9	23	
1962-63	200	2.2	0	0.11	77	3	16	4.6	
1963-64		6.8	0	0.57	411	4	1	8.9	
1964-65		11	0	0.51	370	4	10	12	

SAN ANTONIO CREEK at Mouth of Canyon F151–R
(Drainage Area 26.5 square miles)

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1930-31	199		0		*201	4	26	98	
1931-32	94	263	0	10.7	7800	2	8-9	405	13
1932-33	164	33	0	0.15	111	1	19	167	0.3
1933-34	164	123	0	0.87	630	1	1	200	1.9
1934-35	175	87	0	9.43	6840	4	8	212	11
1935-36	175	50	0	9.27	1640	2	11	208	4.1
1936-37	187	211	0	31.2	22570	2	14	238	30
1937-38	187	6620	0	58.4	42300	3	2	23400 E	52
1938-39	124	148	0	1.98	1430	9	25	282	2.8
1939-40	124	78 E	0	3.89	2820	1	8	286	7.8
1940-41	127	250	0	39.5	28570	3	12	368	33
1941-42	95	10	0	0.11	83	12	10	31	0.2
1942-43	128	1280	0	41.4	29990	1	23	3000	3.9
1943-44	116	231	0	14.1	10280	2	22	490	17
1944-45	115	145	0	6.85	4960	11	11	430	9.3
1945-46	206	259	0	4.52	3270	12	23	550	6.8
1946-47	206	235	0	8.01	5800	12	26	362	11
1947-48	191	2.2	0	0.01	6.0	4	29	17	+
1948-49	191	+	0	+	5	19	+	+	
1949-50	197	18	0	0.08	55	12	19	49	0.2
1950-51	197	0.3	0	+	2.8	1	16	3.0	+
1951-52	240	124	0	13.6	9870	1	16	299	15
1952-53	240	9.8	0	0.03	24	12	2	36	0.1
1953-54	236	482	0	5.71	4140	1	25	2650 E	12
1954-55	236			Incomplete Record					

STATION DISCONTINUED, 1955. SEE STATION F323–R

SAN DIMAS CREEK below San Dimas Dam F303–R
(Drainage Area 16.2 square miles)

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1951-52	243	171	+	6.42	4660	3	16	262	
1952-53	243	6.1	0.1	1.54	1110	3	17	6.1	
1953-54	238	61	0	2.13	1540	1	25	156	
1954-55	238	6.1	+	0.78	563	11	16	175	
1955-56	252	40	0	1.12	816	1	26	54	
1956-57	252	5.0	+	0.60	436	Various Times		5.0	
1957-58	247	220	+	9.00	6530	4	3	270	
1958-59	247	19.0	+	1.74	1260	2	18	20	
1959-60	173	5.9	0	0.67	484	8	25	5.9	
1960-61	173	17.1	0.01	0.40	291	8	1	20	
1961-62	202	136	0	3.89	2820	12	3	215	
1962-63	202	83	0.04	1.52	1100	2	9	404	
1963-64		24	0.04	1.0	752	4	7, 9	24	
1964-65		49	0.1	1.65	1200	4	9	133	

SAN DIMAS WASH below Puddingstone Diversion Dam F218–R
(Drainage Area 18.8 square miles)

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1945-46	212	22	0	0.34	247	4	4	42	
1946-47	212	9.8	0	0.67	483	12	27	9.8	
1947-48	195	0	0	0	0				
1948-49	195	0	0	0	0				
1949-50	202	0	0	0	0				
1950-51	202	0	0	0	0				
1951-52	248	23	0	1.07	780	3	17	23.1	
1952-53	248	0	0	0	0				
1953-54	243	12.2	0	0.34	244	2	14-15	12	
1954-55	243	0	0	0	0				
1955-56	256	8.4	0	0.13	92	1	27	16.0	
1956-57	256	0	0	0	0				
1957-58	249	12.0	0	1.54	1110	3	28	19	
1958-59	249	5.4	0	0.07	49	2	17	7.3	
1959-60	175	0	0	0	0				
1960-61	175	14.4	0	0.10	72	7	21-22	15	
1961-62	203	3.4	0	0.07	50	4	6	43	
1962-63	203	9.7	0	0.39	286	10	25	16.2	
1963-64		16.9	0	0.09	67	4	10	46	
1964-65		11	0	0.46	334	5	11	35	

TABLE XIV (Continued)

YEARLY DISCHARGE SUMMARY

SAN GABRIEL RIVER–WEST FORK above Cogswell Dam F228–R
(Drainage Area 14.4 square miles)

WATER YEAR ENDING SEPTEMBER 30 YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1933-34	174		0		*	1	1	1850	
1934-35	237	403	0	15.1	10900	4	8	755	
1935-36	237	121	0	5.78	4200	2	12	570	
1936-37	191	470	+	26.3	19050	12	27	1220	
1937-38			Station Abandoned						

SAN GABRIEL – DEVIL'S CANYON CREEK above Cogswell Dam F227–R
(Drainage Area 15.4 square miles)

1933-34	176		0		*	1	1	1560	
1934-35	188	177	0	8.18	5930	4	8	288	
1935-36	188	75	0	2.49	1810	2	12	204	
1936-37	194	232	0	12.4	8980	2	6	367	
1937-38	194		Station Abandoned					N.D.	

SAN GABRIEL RIVER – WEST FORK below Cogswell Dam F209–R
(Drainage Area 41.0 square miles)

1933-34	178				*	1	1	4400	
1934-35	240	662	+	27.2	19700	12	13	1260	
1935-36	240	43	0.2	9.76	7090	2	17	45	
1936-37	196	577	+	46.4	33580	2	14	752	
1937-38	196	6620	0.7	81.4	58920	3	2	25000 E	
1938-39	126	683	0.4	15.7	11360	9	25	1190	
1939-40	126	141	0.6	12.9	9370	1	15	1240	
1940-41	129	1130 E	0.5	82.6	59810	2	22	1160	
1941-42	96	76	1.0	10.1	7320	11	1	90	
1942-43	132	4780	0.6	75.9	54930	1	23	7300	
1943-44	120	805	2.2	51.9	37700	2	22	1210	
1944-45	119	144	0.8	14.4	10410	11	20	157	
1945-46	214	602	0.8	22.8	16480	3	30	814	
1946-47	214	1110	0.1	28.0	20240	1	6	1240	
1947-48	196	28	0.1	4.19	3050	5	17	79	
1948-49	196	12.3	0.1	3.83	2780	7	21	67	
1949-50	203	12.7	0.1	4.90	3550	3	2	84	
1950-51	203	10.6	0.2	0.80	575	10	24	52	
1951-52	249	1240	0.1	35.6	25900	1	18	2000	
1952-53	249	289	0.1	17.2	12480	1	9	328	
1953-54	244	144	0.1	10.4	7540	1	26	146	
1954-55	244	36	0.1	4.41	3190	10	4	149	
1955-56	257	15.6	0.1	4.99	3620	4	26	16	
1956-57	257	139	0.1	5.23	3790	11	9	260	
1957-58	251	1170	0.1	47.7	34530	4	4	1430	
1958-59	251	120	0.2	8.62	6250	2	16	124	
1959-60	176	13.0	0.1	2.78	2020	1	29	260	
1960-61	176	5.6	0.1	0.80	577	1	11	336	
1961-62	205	1810	0.1	32.9	23800	2	11	2370	
1962-63	205	47	0.1	6.63	4800	10	16	53	
1963-64		30	0.1	3.67	2660	6	24	788	
1964-65		47	0.1	5.76	4170	4	9	53	

SAN GABRIEL – BEAR CREEK above West Fork F99B–R
(Drainage Area 27.9 square miles)

1929-30	166	76	0.1	10.6	7660	5	3	108	
1930-31	245	279	0.1	6.22	4500	4	26	527	
1931-32	102	1090	0.2	22.8	16620	2	9	1510	
1932-33	186	182	0.02	9.12	6600	1	19	566	
1933-34	186	732	0	9.24	5470	1	1	1600	
1934-35	185	62	0.2	16.4	*1860			N.D.	
1935-36	185	156	0.2	8.82	6400	2	12	410	
1936-37	202	614	0.2	37.9	27440	2	14	736	
1937-38	202		Station Abandoned			3	2	12500 E	

NOTE: STATION AT VARIOUS LOCATIONS. SEE STATION DESCRIPTION

SAN GABRIEL RIVER – WEST FORK 3.5 miles above North Fork F97–R
(Drainage Area 49.0 square miles)

1929-30	197	129	0.2	10.8	7790	3	14	206	
1930-31	231	366	0.05	9.31	6740	4	26	751	
1931-32	100	2090	0.1	36.4	26420	2	8	2700	
1932-33	182	996	0.1	14.1	10190	1	19	2890	
1933-34	182	1600	0.1	16.6	12050	1	1	4840	
			Station Abandoned						

SAN GABRIEL RIVER – NORTH FORK above Narrows F98–R
(Drainage Area 18.8 square miles)

1929-30	178	16	1.5	4.10	2970	5	3	18	
1930-31	239	11	1.8	3.45	2500	4	26	16	
1931-32	105	186	1.8	11.9	8600	2	8	223	
1932-33	190	49	1.4	4.97	3600	1	19	126	
1933-34	190	186	0.8	4.50	3260	1	1	276	
1934-35	209	76	1.0	11.2	8140	4	8	111	
1935-36	209	36	1.6	5.94	4310	2	2	85	
1936-37	205	140	1.7	23.1	16750	3	13	198	
1937-38	205		Station Abandoned					N.D.	

SAN GABRIEL RIVER – WEST FORK above Forks P3–R
(Drainage Area 102 square miles)

1927-28	18	704	1.6	17.9	15180	2	4	1620	
1928-29	15	422	0	20.7	14960	4	4	775	
1929-30	192	225	1.9	25.5	18470	3	15	301	
1930-31	264	676	1.2	20.2	14630	4	26	1530	
1931-32	107	598	1.4	76.3	55360	2	9	3790	22
1932-33	193	1360	2.5	33.1	23990	1	19	3460	17
1933-34	193	3340	1.5	34.5	24990	1	1	5320	18
1934-35	225	1180	1.9	77.5	56110	4	8	1840	22
1935-36	225	312	2.5	31.8	23070	2	12	752	15
1936-37	208	1640	2.7	133	96590	2	14	2000	33
1937-38	208	*	13	237	171900 E	3	2	34000 E	54
1938-39	128	1140	7.5	46.5	33660	9	25	2530	17
1939-40	129	369	6.5	38.2	27720	1	8	1220	19
1940-41	132	2870 E	7.0	237	171400	2	20	3000 E	49
1941-42	99	183	6.5	32.9	23810	12	29	288	22
1942-43	134	11300 E	6.5	211	153000	1	23	20000 E	49
1943-44	122	4000	19	144	104500	2	22	5760	39
1944-45	121	719	14	51.5	37260	11	11	3950	22
1945-46	218	1830	8.0	65.3	47330	3	30	2620	24
1946-47	218	2270	7.6	83.0	60120	12	26	4150	30
1947-48	200	135	3.0	17.1	12450	4	29	329	13
1948-49	200	55	2.3	14.5	10510	1	20	78	9.7
1949-50	206	122	2.2	15.6	11260	12	18	280	9.1
1950-51	206	21	0.7	4.78	3460	4	29	28	5.4
1951-52	252	2690	1.1	115	83500	1	16	7520	33
1952-53	252	380	2.0	32.1	23210	12	1	475	16
1953-54	247	514	2.2	32.0	23190	1	25	953	15
1954-55	247	83	3.8	17.8	12850	4	30	165	10
1955-56	259	504	2.8	17.0	12350	1	26	1230	9.8
1956-57	259	597	3.5	18.5	13350	1	13	1670	9.9
1957-58	254	1780	5.4	145	104700	4	3	3570	37
1958-59	254	664	6.5	29.2	21150	1	6	2380	19
1959-60	177	48	2.7	11.5	8350	1	10	128	9.7
1960-61	177	79	1.2	7.12	5160	11	5	447	8.0
1961-62	206	3800	1.5	83.9	60730	2	11	7830	25
1962-63	206	276	2.5	18.9	13720	2	9	2010	11
1963-64		195	1.9	13.7	9970	6	24	414	10
1964-65		228	1.7	21.1	15270	4	9	534	11

NOTE: STATION AT VARIOUS LOCATIONS. SEE STATION DESCRIPTION.

SAN GABRIEL RIVER – EAST FORK above Cattle Canyon P2–R
(Drainage Area 58.2 square miles)

1927-28	27	168	5.4	18.5	15680	2	4	267	
1928-29	22	242	4.7	24.4	17670	3	10	448	
1929-30	186	101	7.0	29.8	21540	5	3	122	
1930-31	255	168	8.7	21.0	15200	4	26	267	
1931-32	96	2520	8.5	73.6	53410	2	8	3340	
			Station Abandoned						

SAN GABRIEL RIVER – EAST FORK below Cattle Canyon F96–R
(Drainage Area 78.4 square miles)

1929-30	172	114	6.1	34.3	24850	5	16	108	
1930-31	222	422	5.8	26.3	19020	4	26	777	
1931-32	97	3650	10	93.5	67910	2	8	4700	
1932-33	166	148	5.8	29.4	21260	1	19	310	
1933-34	166	2640	4.2	32.4	23480	1	1	4200	
			Station Abandoned						

SAN GABRIEL RIVER – EAST FORK above Forks P4B–R
(Drainage Area 88.2 square miles)

1932-33	170				*18990	1	19	835	24
1933-34	170	6210	4.5	47.3	34230	1	1	8500	29
1934-35	198	638	4.5	85.4	61840	4	8	1080	30
1935-36	198	428	8.0	40.7	29590	2	11	1290	24
1936-37	214	1440	9.0	148	107400	2	14	2180	44
1937-38	214	10000 E	20	208	150800	3	2	46000 E	60
1938-39	133	303	14	43.6	31590	12	18	716	19
1939-40	132	430	14	42.0	30500	1	8	1360	27
1940-41	136	1110	12	183	132400	2	20	1870	46
1941-42	101	130	12	34.9	25230	8	10	349	22
1942-43	137	5800 E	11	160	116100	1	23	25000	48
1943-44	125	1290	21	113	81900	2	22	2410	40
1944-45	123	693	20	72.9	52750	11	11	2810	34
1945-46	224	1520	19	71.8	52000	12	21	2760	33
1946-47	224	1160	13	66.6	48300	12	26	1900	32
1947-48	204	133	6.9	21.3	15490	4	29	210	18
1948-49	204	64	6.3	20.3	14700	4	24	70	15
1949-50	210	168	5.4	21.5	15540	2	6	248	14
1950-51	210	22	1.7	8.49	6140	4	28	39	9.5
1951-52	257	833	2.4	109	79300	1	16	1110	36
1952-53	257	61	5.2	20.2	14640	12	2	116	18
1953-54	252	660	5.2	51.6	37320	1	25	1690	28
1954-55	252	105	12.0	36.0	26090	11	11	203	24
1955-56	264	476	11.0	30.6	22210	1	26	1020	22
1956-57	264	479	8.0	32.6	23630	1	13	1060	23
1957-58	259	1530	13	156	112700	4	3	2720	50
1958-59	259	345	8.0	29.5	21360	2	16	947	29
1959-60	179	62	4.4	15.9	11400	4	28	94	14
1960-61	179	57	1.7	9.74	7060	11	12	112	13
1961-62	209	1760	2.3	72.7	52610	2	11	3600	33
1962-63	209	186	4.7	17.5	12680	2	9	607	15
1963-64		102	5.0	19.7	14288	1	22	202	16
1964-65		184	5.4	29.2	21170	4	9	274	20

NOTE: STATION AT VARIOUS LOCATIONS. SEE STATION DESCRIPTION

SAN GABRIEL RIVER near Roberts Relay Station (Drainage Area 201 square miles) F233–R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1934-35	212	2580	7.5	176	127100	4	8	4850	
1935-36	212	706	12	73.6	53410	2	12	1530	
1936-37	222				*			N.D.	
				STATION ABANDONED					

SAN GABRIEL RIVER at Edison Intake (Drainage Area 202 square miles) F28–R

1927-28	4	916	5.2	47.6	34430	2	4	1830	
1928-29	1	600	3.5	49.9	36160	3	10	990	
1929-30	204	587	10	64.8	46830	5	3	799	
1930-31	204	1250	11	49.3	35690	4	26	2900	
1931-32	110	7530	11	183	132690	2	9	9110	
1932-33	199	2420	7.6	67.3	48710	1	19	7550	
1933-34	199	10700	5.5	86.9	62910	1	1	18000	
1934-35	192	2580	7.5	176	127400	4	8	4770	
1935-36	192	663	12	73.2	53180	2	12	1330E	
1936-37	224	3490	12	289	208900	2	14	4240	
				STATION ABANDONED					

SUBSEQUENT RECORDS OF SAN GABRIEL DAM #1 INFLOW ARE EQUIVALENT TO SAN GABRIEL RIVER AT EDISON INTAKE.

NOTE: STATION AT VARIOUS LOCATIONS. SEE STATION DESCRIPTION.

SAN GABRIEL–AZUSA CONDUIT at Weir below San Gabriel Dam (Regulated Flow) F250–R

1934-35	183				*36610				
1935-36	183	109	0	42.1	30540				
1936-37	227	94	0	27.3	19740				
1937-38	227	105	0	15.4	11160				
1938-39	138	103	0	5.91	4280				
1939-40	135	94	0	47.4	34440				
1940-41	141	110	0	23.8	17220				
1941-42	104	92	0	55.2	39940				
1942-43	139	106	0	44.6	32250				
1943-44	128	97	0	59.3	43050				
1944-45	126	142	0	81.5	59050				
1945-46	229	139	0	66.3	47930				
1946-47	229	138	0	73.2	52990				
1947-48	208	60	0	36.9	26830				
1948-49	208	70	0	25.0	18120				
1949-50	215	82	20	37.4	27060				
1950-51	215	70	0	11.9	8610				
1951-52	261	96	0	65.3	47400				
1952-53	261	89	0	43.7	31660				
1953-54	257	90	0	38.8	28070				
1954-55	257	84	30	50.6	36610				
1955-56	268	86	14.7	49.0	35580				
1956-57	268	86	0	36.7	26670				
1957-58	265	103	0	29.7	21500				
1958-59	265	90	12.3	49.2	35620				
1959-60	181	50	5.1	24.6	17840				
1960-61	181	45	0	12.2	8830				
1961-62	211	86	0	57.1	41330				
1962-63	211	82	0.05	33.9	24550				
1963-64		48	8.0	31.0	22490				
1964-65		81	0.1	35.8	25900				

SAN GABRIEL–AZUSA CONDUIT at 10-foot Weir below San Gabriel Dam (Regulated Flow) F220–B–R

1932-33	208				*				
1933-34	208	86	0	27.3	19770				
1934-35	178	94	6.2	64.3	46570				
1935-36	178	86	9.1	40.7	29500				
1936-37	228	93	+	29.0	21030				
1937-38	228	94	+	16.4	11910				
1938-39	138	0	0	0	0				
1939-40	136	90	+	32.7	23760				
1940-41	142	89	+	23.2	16820				
1941-42	105	91	+	53.0	38360				
1942-43	140	94	0.1	36.6	26510				
1943-44	129	94	+	56.9	41310				
1944-45	127	96	+	59.2	42910				
1945-46	231	92	+	55.0	39820				
1946-47	231	92	0.1	64.7	46900				
1947-48	209	60	+	34.4	24960				
1948-49	209	70	0.1	24.0	17380				
1949-50	217	82	19	37.5	27140				
1950-51	217	70	0	11.5	8310				
1951-52	263	91	0	65.2	47300				
1952-53	263	89	+	43.7	31680				
1953-54	259	89	+	38.8	28090				
1954-55	259	85	30	50.6	36600				
1955-56	270	86	14.8	49.0	35589				
1956-57	270	86	0	36.8	26670				
1957-58	266	87	0	27.8	20140				
1958-59	266	89	12.4	49.4	35730				
1959-60	183	50	5.3	24.6	17850				
1960-61	183	45	0	12.2	8820				
1961-62	213	86	0	57.4	41570				
1962-63	213	83	0	33.0	23930				

PUBLICATION DISCONTINUED BEGINNING 1963–64. SEE STATION F250–R

NOTE: STATION AT VARIOUS LOCATIONS. SEE STATION DESCRIPTION.

SAN GABRIEL–AZUSA–DUARTE TUNNEL DIVERSION near Mouth of San Gabriel Canyon (Regulated Flow) S100A–R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1918-19				1.2	866				
1919-20				4.7	3420				
1920-21				3.8	2750				
1921-22				6.5	4710				
1922-23				2.7	1960				
1923-24				1.0	718				
1924-25				0.1	40				
1925-26				4.8	3480				
1926-27				6.6	4760				
1927-28				0	0				
1928-29				0.4	267				
1929-30				5.0	3640				
1930-31				1.5	1120				
1931-32				19.1	13840				
1932-33				8.7	6330				
1933-34				9.0	6540				
1934-35				24.2	17520				
1935-36				17.7	12830				
1936-37				42.3	30640				
1937-38				38.4	27780				
1938-39				33.4	24150				
1939-40				35.0	25380				
1940-41	144			31.5	22810				
1941-42	107			6.13	4430				
1942-43	142			14.8	10720				
1943-44	132			13.9	10100				
1944-45	131			37.8	27370				
1945-46	238			21.0	15230				
1946-47	238			14.7	10660				
1947-48	215			0.21	151				
1948-49	215			4.04	2920				
1949-50	222			0	0				
1950-51	222			7.75	5610				
1951-52	268			1.57	1140				
1952-53	268			3.47	2520				
1953-54	263			3.03	2180				
1954-55	263			0	0				
1955-56	274			0	0				
1956-57	274			4.29	3116				
1957-58	270			4.56	3300				
1958-59	270			0	0				
1959-60	185			0	0				
1960-61	185			4.89	3540				
1961-62	216			5.84	4225				
1962-63	216			0.59	424				
1963-64				0	0				
1964-65				1.15	830				

SAN GABRIEL RIVER at Foothill Boulevard (Drainage Area 230 square miles) F190–R

1931-32	114		0		*76220			N.D.	15
1932-33	215	2530	0	15.7	11400	1	19	10000	4.1
1933-34	215	3150	0	20.3	14690	1	1	5550	4.8
1934-35	204	448	0	81.7	59220	4	8	1080	11
1935-36	204	169	0	21.1	15300	2	2	572	4.7
1936-37	231	1610	0	162	117400	2	19	2050	19
1937-38	231	22200	0	387.2	*280300	3	2	62090 E	43
1938-39	139	220	0	15.0	10850	1	5	267	2.6
1939-40	137	388	0	13.7	9980	6	25	400	3.3
1940-41	145	4090	0	304	220100	3	4	5280	29.
1941-42	108	312	0	5.52	3990	4	20	345	1.8
1942-43	143	10400 E	0	318	230200	1	23	11400	35
1943-44	133	2750	0	163	118300	2	22	4840	22
1944-45	132	844	0	22.9	16620	2	2	1080	4.6
1945-46	240	1190	0	58.1	42060	12	23	1670	10
1946-47	240	3000	0	65.6	47520	12	28	3200	11
1947-48	216	1010	0	14.3	10370	6	2	1120	4.9
1948-49	216	0	0	0	0				0
1949-50	223	20	0	0.09	67	12	18	192	+
1950-51	223	0	0	0	0				0
1951-52	270	3860	0	98.1	71210	1	18	4670	12
1952-53	270	1030	0	56.9	41180	10	28	1080	20
1953-54	265	848	0	30.3	21920	4	16	2160	6.6
1954-55	265	3.8	0	0.05	38	1	18	12	+
1955-56	275	215	0	1.97	1430	1	26	800	0.5
1956-57	275	573	0	7.35	5320	4	17	585	1.9
1957-58	271	2270	0	229	165600	4	5	2520	27.
1958-59	271	380	0	18.8	13590	1	6	3390	6.5
1958-60	186	13	0	0.69	499	4	27	90	0.2
1960-61	186	26	0	0.20	147	1	26	48	0.1
1961-62	218	1750	0	103	74270	2	12	2260	16
1962-63	218	47	0	0.33	237	2	9	301	0.1
1963-64		13	0	0.09	66.0	1	22	56	0.3
1964-65		293	0	11.0	7940	9	6	881	2.7

SAN GABRIEL–M.W.D. Outlet below San Bernardino Road (Controlled Flow) M335–R

1957-58	277	210.0	0	57.2	41427				
1958-59	277	213.1	0	41.9	30320				
1959-60	189	245.7	0	59.5	43190				
1960-61	189	347.0	0	93.5	67685				
1961-62	221	337.2	0	186	134510				
1962-63	221	305.3	0	82.7	59850				
1963-64		315.9	0	81.2	58970				
1964-65		344	0	145	104860				

SAN GABRIEL RIVER at Garvey Avenue (Drainage Area 7.19 square miles) F191B–R

1951-52	274	647	0	29.3	21270			N.D.	
1952-53	274	287	0	12.0	8700	11	7	290	
1953-54	268	0	0	0	0				
1954-55	268	0	0	0	0				
1955-56	278	0	0	0	0				
1956-57	278	0	0	0	0				
1957-58					N.D.				

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL

SAN GABRIEL RIVER below Valley Boulevard F261C–R
(Drainage Area 118 square miles exclusive of area above Santa Fe Dam)

1936-37					*			N.D.	
1937-38					**			N.D.	
1938-39	141	125	0.4	8.00	5790			N.D.	
1939-40	138	125 E	0.2	1.82	1320			N.D.	
1940-41	147	1300	0.2	73.9	53500			N.D.	
1941-42	109	4.0	0	2.15	1560			N.D.	
1942-43	147	8000	0	221	160300	1	23	9350	
1943-44	137	2720	0.6	83.0	60290	2	22	5950	
1944-45	135	650	0.1	10.5	7570			N.D.	
1945-46	245	990	0	11.9	8640	12	23	1470	
1946-47	245	2400	0	30.3	21940			N.D.	
1947-48	219	0	0	0	0				
1948-49	219	0	0	0	0				
1949-50	225	0	0	0	0				
1950-51	225	0	0	0	0				
				STATION ABANDONED					
1960-61	190	306	0	*	*34500	1	26	1200	
1961-62	222	1000	0	193	139500	11	20	7500	
1962-63	222	566	0	78.6	56900	3	16	3500	
1963-64		358	0	70.6	51290	1	22	2500 E	
1964-65		792	0	123	89150	4	9	5890	

NOTE: STATION AT VARIOUS LOCATIONS SEE STATION DESCRIPTION.

SAN GABRIEL BY-PASS CHANNEL above Whittier Narrows Dam F314–R

1953-54	268				7760				
1954-55	268			6.60	4770				
1955-56	281			23.3	16920				
1956-57	281	163	0	25	18120				
1957-58	278	252	0	40.6	29400				
1958-59	278	0	0	0	0				
1959-60	191	0	0	0	0				
1960-61	191	0	0	0	0				
1961-62	224	218	0	93.4	67610				
1962-63	224	170	0	37.8	27400				
1963-64		0	0	0	0				
1964-65		0	0	0	0				
				ESTABLISHED FOR ZONE I FLOWS					

SAN GABRIEL RIVER at Beverly Boulevard F263–R
(Drainage Area 206.5 square miles exclusive of area above Santa Fe Dam)

1928-29	71	93	0	3.94	2850	3	10	397	
1929-30	161	152	0	4.83	3490	1	11	726	
1930-31	217	106	0	3.44	2490	2	4	404	
1931-32	116	1620	0	18.0	13060	2	9	3830	
1932-33	221	286	0	4.20	3040	1	29	1450	
1933-34	221	5580	0	23.4	16950	1	1	22000	
1934-35	246	746	0	16.8	12190	10	17	5400	
1935-36	246	355	0	6.32	4590	2	12	3400	
1936-37	236	2440	0	47.3	*34240	2	14	6970	
1937-38	236	11400	0	131	94810	3	2	22700 E	
1938-39	142	672	0	34.1	24620	9	25	2110	
1939-40	139	544	0	27.8	20180	2	1	2110	
1940-41	149	2700	0	139	100900	3	4	5830	
1941-42	111	149	0	39.5	28630	12	10	412	
1942-43	148	10500	0	289	209580	1	23	14810	
1943-44	139	5350	0	144	104200	2	22	14060	
1944-45	136	744	0	58.7	42520	11	12	4210	
1945-46	247	1660	0	47.5	34370	12	23	4660	
1946-47	247	2810	0	62.7	45420	12	30	3240	
1947-48	219	48	0	11.8	8590	2	6	84	
1948-49	219	77	0	8.94	6470	1	20	144	
1949-50	225	272	0	5.72	4130	2	6	845	
1950-51	225	16	0	0.77	558	1	30	27	
1951-52	275	2860	0	70.2	50900	1	16	14000	
1952-53	275	327	0	19.2	13880	12	2	1450	
1953-54	271	901	0	15.2	10990	2	13	5450	
1954-55	271	323	0	12.8	9250	1	18	1590	
1955-56	283	4030	0	33.1	24050	1	26	12400	
1956-57	283	558	0	24.9	18000	3	1	3600	
1957-58	280	2210	0	114	82190	4	7	6890	
1958-59	280	777	0	46.9	33960	1	6	3870	
1959-60	191	449	0	49.7	36100	1	12	2390	
1960-61	191	421	0	65.9	47700	1	26	1330	
1961-62	226	2840	0	142	103100	2	11	8810	
1962-63	226	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	

NOTE: STATION AT VARIOUS LOCATIONS. SEE STATION DESCRIPTION.

NOTE: See tabulation of combined flows at Whittier Narrows at end of Summary.

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL

SAN GABRIEL RIVER at Florence Avenue F262–R
(Drainage Area 216.2 square miles exclusive of area above Santa Fe Dam)

1933-34	225		0		*			N.D.	
1934-35	222	718	0	6.50	4700	10	17	5850	
1935-36	222	414	0	2.42	1750	2	12	3400	
1936-37	240				*			N.D.	
1937-38	240				**			N.D.	
1938-39	144	325	0		*2540	9	25	1380	
1939-40	141	271	0	2.61	1900	1	8	1150	
1940-41	151	2390	0	105	75780	3	4	5630	
1941-42	113	117	0	18.7	13570	12	10	413	
1942-43	150	9190	0	257	186420	1	23	14000	
1943-44	141	4850	0	110	79930	2	22	15960	
1944-45	138	806	0	36.1	26110	11	12	4020	
1945-46	250	1505	0	22.8	16480	12	23	4370	
1946-47	250	2880	0	38.2	27650	12	31	3640	
1947-48	223	0	0	0	0				
1948-49	223	0	0	0	0				
1949-50	228	0	0	0	0				
1950-51	228	0	0	0	0				
1951-52	279	3070	0	33.4	24250	1	16	8040	
1952-53	279	181	0	1.36	983	12	2	1270	
1953-54	274	688	0	5.24	3790	2	13	4060	
1954-55	274	317	0	1.38	1000	1	18	1850	
1955-56	287	4580	0	14.3	10360	1	26	12840 E	
1956-57	287	490	0	1.91	1390	1	13	2040	
1957-58	283	1720	0	31.9	23960	4	7	6300	
1958-59	283	826	0	4.32	3130	1	6	4060	
1959-60	193	377	0	2.74	1990	1	12	2210	
1960-61	193	316	0	0.94	678	1	26	2940	
1961-62	228	2170	0	23.7	17340	2	11	6470	
1962-63	228	1190	0	7.13	5160	3	16	4270	
1963-64		707	0	4.77	3460	11	20	4330	
1964-65		1210	0	12.4	9010	4	9	4900	

NOTE: STATION AT VARIOUS LOCATIONS – SEE STATION DESCRIPTION.

SAN GABRIEL RIVER above Spring Street, Long Beach F42B–R
(Drainage Area 231.0 square miles exclusive of area above Santa Fe Dam)

1927-28	86	0	0	0	0				
1928-29	198	0	0	0	0				
1929-30	160	0	0	0	0				
1930-31	216	0	0	0	0				
1931-32	118	1270	0	9.03	6560	2	9	4490	
1932-33	225	170	0	1.12	809	1	20	2250	
1933-34	225	4860	0	17.1	12370	1	1	15000	
1934-35	220	463	0	3.29	2380	10	17	3390	
1935-36	22	222	0	1.64	1190	2	12	1910	
1936-37	241	1850	0	18.7	13510	2	14	4560	
1937-38	241	14500	0	122	88020	3	2	27000 E	
1938-39	146	265	0	1.50	1080	12	19	956	
1939-40	143	192 E	0	2.02	1460	2	3	1400	
1940-41	153	1710	0	91.0	65890	3	13	4830	
1941-42	115	148	0	15.0	10830	12	11	277	
1942-43	152	9570	0	280	175100	1	23	14600	
1943-44	143	5570	0	99.4	72200	2	22	15000	
1944-45	140	742	0	30.8	22280	2	2	1910	
1945-46	253	1460	0	17.4	12590	12	23	3300	
1946-47	253	2520	0	33.3	24100	1	1	2740	
1947-48	223	0	0	0	0				
1948-49	223	0	0	0	0				
1949-50	229	0	0	0	0				
1950-51	229	0	0	0	0				
1951-52	282				21100 E		Station Out		
1952-53	282	101	0	0.30	220	12	2	301	
1953-54	277	445	0	2.85	2060	2	13	3520	
1954-55	277	240	0	1.13	820	1	18	1640	
1955-56	289	4300	0	12.9	9390	1	26	12540	
1956-57	289	393	0	1.24	896	1	13	1760	
1957-58	285	1510	0	31.6	22890	4	7	5220	
1958-59	285	615	0	3.23	2340	1	6	2940	
1959-60	195	355	0	2.57	1860	1	12	2180	
1960-61	195	204	0	0.62	448	1	26	1780	
1961-62	231	2940	0	32.0	23070	2	11	7350	
1962-63	231	1530	0	7.31	5290	3	17	4120	
1963-64		751	0	4.35	3160	1	22	2570	
1964-65		1070	0	12.1	8770	4	9	4540	

NOTE: See tabulation of combined flows at Pacific Ocean at end of Summary.

NOTE: STATION AT VARIOUS LOCATIONS. SEE STATION DESCRIPTION.
DRAINAGE AREA CORRECTED BEGINNING 1960-61, FORMERLY 215.5 SQUARE MILES.

SAN JOSE CHANNEL above Workman Mill Road F312–R
(Drainage Area 83.4 square miles)

1955-56	291	1830	0	5.61	4070	1	26	5180	6.6
1956-57	291	190	0	1.10	796	3	1	1410	2.6
1957-58	288	1210	0	19.4	14060	4	7	3990	12
1958-59	288	487	0	4.43	3210	1	6	2720	7.2
1959-60	197	253	0	4.72	3430	4	27	1380	5.8
1960-61	197	103	0	0.56	403	1	26	429	3.9
1961-62	233	1225	0	13.2	9540	2	11	3800	12
1962-63	233	581	0	7.63	5530	3	16	1940	6.1
1963-64		483	+	6.77	4900	1	22	1250	0.3
1964-65		1080	0	14.0	10110	4	9	4540	5.2

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
SAN JOSE CREEK at Workman Mill Road (Drainage Area 85.0 square miles) Controlled after 1955									F48–R
1928-29	77	* 35	0		* 310	3	10	* 77	
1929-30	212	100	0	1.13	821	1	15	264	
1930-31	282	92	0.08	0.73	531	2	4	323	
1931-32	120	547	0.06	5.55	4030	2	9	1540	4.4
1932-33	228	192	0.01	1.47	1070	1	29	825	2.0
1933-34	228	2950	0	10.5	7610	1	1	13100	10
1934-35	249	441	+	5.33	3860	10	17	2450	3.6
1935-36	249	225	0	1.92	1390	2	12	1010	2.2
1936-37	244	1470	+	13.3	9600	2	14	4070	7.7
1937-38	244	4380	0.4	21.3	15450	3	2	9350	13
1938-39	148	499	0.3	4.76	3440	9	25	1950	3.8
1939-40	145	246	0.2	4.15	3020	2	1	1570	4.4
1940-41	156	1320	0.7	31.4	22730	2	28	2500	14
1941-42	117	54	0.8	5.43	3930	12	10	180	6.6
1942-43	154	2740	1.4	28.3	20470	1	23	8040	19
1943-44	145	2090	1.4	16.4	11910	2	22	6000	5.9
1944-45	142	238	2.0	9.67	7010	11	11	1480	4.7
1945-46	255	386	1.6	7.94	5750	12	23	1390	5.2
1946-47	255	250	1.2	7.04	5100	12	26	833	6.8
1947-48	224	21	0.6	2.76	2000	12	6	160	1.5
1948-49	224	35	0.2	1.68	1220	1	20	107	1.2
1949-50	229	184	0.2	2.65	1920	2	6	747	2.6
1950-51	229	21	+	1.20	851	1	29	97	1.0
1951-52	283	1860	0.2	24.6	17870	1	18	4400	13
1952-53	283	108	0.1	2.12	1530	12	2	960	2.3
1953-54	280	471	0.1	5.49	3970	2	13	2590	4.9
1954-55	280	218	+	1.61	1160	1	18	1420	1.8
1955-56	294	*123	+	1.28	926	1	26	198	
1956-57	294	* 48	+	1.37	988	3	1	135	
1957-58	291	* 83	0.1	4.47	3240	2	19	186	
1958-59	291	* 86	0.1	1.51	1090	4	26	171	
1959-60	199	* 9.2	0.4	1.79	1300	1	11	18	
1960-61	199	* 28	0.2	2.82	2040	11	6	133	(Included in F312–R)
1961-62	236	*115	0.1	4.37	3160	2	11	198	
1962-63	236	* 2.9	+	0.36	261	3	16	21	
1963-64		* 15	+	1.00	722	11	20	40	
		STATION ABANDONED AFTER 10/64. SEE STATION F352–R							
SAN JOSE CREEK at Mission Mill Road									F357–R
1964-65		8.9	0	*0.51	*130	4	9	66	
SANTA ANITA CREEK below Big Santa Anita Dam (Drainage Area 10.8 square miles)									F119C–R
1927-28	34	9.5	0.02	1.60	1160	2	5	16.0	
1928-29	111	9.0	0.2	1.73	1260	9	11	10.0	
1929-30	17	3.6	0.2	1.33	964	4	12	3.6	
1930-31	28	8.7	0.2	1.60	1160	2	20	9.0	
1931-32	24	94	0.3	5.34	3880	12	28	112	
1932-33	52				2020			N.D.	
1933-34	52	373	0.1	3.87	2800	1	1	431	
1934-35	253	90	0.1	5.51	3990	2	16	53	
1935-36	253	52	+	3.48	2530			N.D.	
1936-37	247	140	+	10.9	7920	2	15	141	
1937-38	247							N.D.	
				STATION ABANDONED					
1947-48	230	5.2	0.3	1.71	1240	2	6	5.2	
1948-49	230	10.4	0.5	1.36	982	1	20	10.4	
1949-50	235	24	0.01	1.81	1310	12	19	25	
1950-51	235	4.5	0	0.69	499	7	24	20	
1951-52	288	345	0.5	11.4	8300	12	12	11.7	
1952-53	288	37	0.8	2.39	1730			N.D.	
1953-54	287	145	0	4.71	3410			N.D.	
1954-55	287	27	0	1.98	1440			N.D.	
1955-56	299	113	0.3	3.02	2200	1	29	120	
1956-57	299	15.2	0.1	1.98	1430	1	13	15.2	
1957-58	296	249	0.6	16.2	11700			N.D.	
1958-59	296	38	+	2.80	2030	2	16	46	
1959-60	203	25	0.05	1.57	1140	8	1	114	
1960-61	203	19.0	0	0.56	405	1	28	19.0	
1961-62	240	498	0	8.63	6240	2	11	1350	
1962-63	240	36	0	2.55	1850	7	16	105	
1963-64		31	+	1.59	1150	1	15	289	
1964-65		45	0.02	2.75	1990	4	16	289	
NOTE: STATION AT VARIOUS LOCATIONS. SEE STATION DESCRIPTION.									
SANTA ANITA CREEK above Little Santa Anita Creek (Drainage Area 12.9 square miles)									F260–R
1936-37	249	140	0	8.91	6450	2	15	174	
1937-38	249		STATION ABANDONED					N.D.	

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
SANTA ANITA WASH below Foothill Boulevard (Drainage Area 17.2 square miles)									F269C–R
1938-39	150	46	0	2.32	1680	1	5	128	
1939-40	147	58	0	1.46	1060	1	8	248	
1940-41	158	262	0	17.9	12920	3	4	482	
1941-42	119	26	0	0.96	694	12	29	65	
1942-43	157	2130	0	29.9	21670	1	23	3800	
1943-44	148	395	0	8.46	6140	2	22	747	
1944-45	146	92	0	2.13	1540	6	25	225	
1945-46	262	182	0	2.04	1480	12	23	350	
1946-47	262	144	0	3.44	2490	12	29	289	
1947-48	232	0	0	0	0				
1948-49	232	0	0	0	0				
1949-50	236	6.3	0	0.09	68	11	10	48	
1950-51	236	5.9	0	0.03	23	1	11	77	
1951-52	290	381	0	6.24	4530	1	16	891 E	
1952-53	290	14.3	0	0.16	116			N.D.	
1953-54	289	204	0	3.45	2500	1	25	640 E	
1954-55	289	22	0	0.58	419			N.D.	
1955-56	301	163	0	1.31	949			N.D.	
1956-57	301	36	0	0.41	297			N.D.	
1957-58	297	254	0	8.72	6320			N.D.	
1958-59	297	66	0	0.76	550	1	6	1000 E	
1959-60	204	10.2	0	0.22	161	1	11	194	
1960-61	204	9.5	0	0.14	98	11	5	257	
1961-62	241	584	0	6.88	4980	2	11	1440	
1962-63	241	43	+	0.56	408	2	9	257	
1963-64		32	0	0.58	422	1	22	335	
1964-65		27	0	0.62	445	4	16	267 E	
STATION AT VARIOUS LOCATIONS. SEE STATION DESCRIPTION.									
SANTA ANITA WASH below Arrow Highway (Drainage Area 18.3 square miles)									F193–R
1932-33	232		0		*			N.D.	
1933-34	232	232	0	1.20	870	1	1	399	1.5
1934-35	256	70	0	0.27	193	4	8	197	0.5
1935-36	256	18.0	0	0.22	156	2	16	31	0.1
1936-37	252	98	0	2.90	2090	12	27	117	0.2
1937-38	252		STATION ABANDONED					N.D.	
SANTA ANITA WASH at Longden Avenue (Drainage Area 18.8 square miles)									F193B–R
1959-60	206	55	+	0.64	465	4	27	534	3.1
1960-61	206	33	0	0.30	216	11	12	314	2.0
1961-62	243	693	0	8.16	5910	2	11	1780	17
1962-63	243	101	0	0.98	709	2	9	621	3.7
1963-64		47	0	0.89	650	11	20	581	3.5
1964-65		63	0	1.36	985	4	9	518	3.6
SANTA CLARA RIVER above Lang R.R. Station (Drainage Area 157.3 square miles)									F93–R
1949-50	238	5.2	0.8	1.54	1110	2	6	6.0	1.5
1950-51	238	1.7	0.6	1.07	774	4	28	2.0	1.8
1951-52	292	1280	0.5	29.3	21230	1	16	4200	10
1952-53	292	9.0	1.2	3.11	2250	11	15	39	3.1
1953-54	291	18	1.0	2.76	2000	1	25	29	2.2
1954-55	291	4.8	1.0	1.75	1270	1	18	5.8	1.5
1955-56	302	4.0	1.0	1.51	1100	4	13	5.0	1.3
1956-57	302	1.0	0.9	1.25	906	1	12	1.7	1.1
1957-58	299	509	1.0	14.5	7340	4	3	1260	4.1
1958-59	299	21	1.1	2.46	1780	1	6	40	3.0
1959-60	208	1.3	0.9	1.11	807	Various Times		1.3	1.8
1960-61	208	46	0.3	1.35	980	11	6	500	1.8
1961-62	245	308	3.2	5.79	4190	2	11	500	2.9
1962-63	245	4.6	1.1	1.60	1160	2	9	60	1.5
1963-64		1.2	0.6	0.96	697	1	22	70	1.1
1964-65		5.9	0.3	0.60	432	4	9	35	0.4
SANTA CLARA RIVER – SOUTH FORK at Saugus–Ventura Road (Formerly Placerita Creek) (Drainage Area 40.9 square miles)									F135–R
1947-48	162	19	0	0.12	84	3	24	82	+
1948-49	162	8.6	0	0.13	94	12	26	37	+
1949-50	171	12	0	0.14	101	1	8	71	+
1950-51	171	0.2	0	+	0.6	4	29	6.3	+
1951-52	212	1410	0	16.7	12100	1	15	6800	16
1952-53	212	71	0	0.54	390	12	1	1050	0.1
1953-54	205	129	0	1.39	1000	1	19	1100	0.3
1954-55	205	58	0	0.28	200	1	18	460	0.1
1955-56	217	278	0	1.04	753	1	26	523	1.6
1956-57	217	228	0	1.04	756	2	28	2030	0.2
1957-58	215	746	0	10.7	7760	4	3	3640	0.9
1958-59	215	137	0	0.84	605	1	6	2410	0.3
1959-60	151	13	0	0.15	109	1	11	120	+
1960-61	151	21	0	0.18	132	11	5	196	0.1
1961-62	177	1040	0	9.37	6790	2	12	3410	1.0
1962-63	177	176	0	1.10	799	3	16	1750	0.3
1963-64		93	0	1.17	846	1	22	870	2.2
1964-65		146	0	1.60	1160	4	8	960	2.2

TABLE XIV (Continued)

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
SANTA CLARA RIVER at Old Highway Bridge (Drainage Area 410.4 square miles)									92–R
1929-30	219	83	0.2	1.10	793	3	15	193	
1930-31	290	291	0.1	2.61	1890	2	7	2310	
1931-32	122	739	0.1	5.89	4280	2	9	2090	0.9
1932-33	233	90	0	0.67	488	1	19	618	0.2
1933-34	233	448	0.01	2.21	1600	1	1	3870	7.0
1934-35	259	82	+	1.51	1090	1	5	608	0.2
1935-36	259	113	0	2.19	1590	2	23	833	0.6
1936-37	254	471	0	6.69	4850	12	27	3410	1.0
1937-38	254	6370	+	37.2	26900	3	2	24000 E	5.2
1938-39	151	435 E	+	14.4	10410	12	15	4620	2.6
1939-40	148	79	0.3	2.16	1570	2	1	676	0.6
1940-41	161	3450	0.3	57.1	41320	3	4	5050	5.7 1/
1941-42	120	167	0.6	32.3	23400	12	28	443	1.9 1/
1942-43	158	5420	1.4	65.2	47170	1	23	15000	8.7
1943-44	149	9360	2.0	68.6	49770	2	22	22200	9.2
1944-45	147	110	2.2	15.3	11050	2	2	317	3.5
1945-46	264	194	0.4	8.90	6440	3	30	500	2.0 1/
1946-47	264	371	1.0	15.4	11150	12	26	1620	3.4 1/
1947-48	232	33 E	0.8	3.12	2270	3	24	350 E	1.3
1948-49	232	4.9	0.4	1.80	1303	3	11	9.9	0.7
1949-50	241	5.2	0.1	1.22	888	2	6	8.5	0.4
1950-51	241	2.0	0.02	0.30	217	1	29	6.2	0.2
1951-52	295	1620	0.02	23.1	16760	1	16	7600	2.8 1/
1952-53	295	43	0.1	0.83	592	12	1	N.D.	0.1
1953-54	294	104	0.05	1.60	1160	1	19	626	0.3
1954-55	294	96	+	0.85	612	1	18	746	0.1
1955-56	305	184	+	1.38	1000	1	26	344	0.2
1956-57	305	195	0	1.42	1020	2	28	1920	0.2
1957-58	302	1442	0	14.7	10620	4	3	3850	1.7
1958-59	302	215	0	1.30	940	1	6	1410	0.4
1959-60	210	12	0	0.40	288	4	27	151	+
1960-61	210	58	0	0.74	533	11	5	830	0.2
1961-62	247	1690	0	14.5	10470	2	12	4250	2.3
1962-63	247	105	0	1.33	965	3	16	1470	0.3
1963-64		85	0	1.08	780	1	22	860	0.2
1964-65		240	0	2.13	1550	4	8	1260	0.5

NOTE: STATION AT VARIOUS LOCATIONS. SEE STATION DESCRIPTION. (1/ See note below.)

SANTA CLARA RIVER one-half mile west of County Line (Drainage Area 643.72 square miles)									F137–R
1948-49	236	33	1.1	12.2	8900	1	20	40	
1949-50	244	30	0.7	9.27	6710	2	6	36	
1950-51	244	24	0.6	5.92	4280	1	10	33	
1951-52	297			+				N.R.	
				STATION ABANDONED					

SANTA CLARA RIVER at Blue Cut (Drainage Area approximately 651 square miles)									V309–R
1953-54	298	195	0.8	10.3	7490	2	13	755	
1954-55	298	88	0.2	6.96	5040	1	18	547	
1955-56	309	514	0.3	7.58	5510	1	26	878	
1956-57	309	275	0.2	4.53	3280	3	1	1580	
1957-58	305	3370	0.3	55.5	40160	4	3	7070	
1958-59	305	236	0	4.69	3390	1	6	2040	
1959-60	212	20	0	0.92	666	4	27	109	
1960-61	212	44	0	0.77	560	11	6	190	
1961-62	249	5470	0	39.8	28790	2	11	9100	
1962-63	249	94	0.2	2.57	1860	3	16	1340	
1963-64		88	0	1.51	1100	1	22	536	
1964-65		254	0	2.69	1950	4	9	1390	

SANTA FE CHANNEL below Santa Fe Dam (Drainage Area Controlled)									F280–R
1943-44	102	253	0	20.9	15180	5	18-23	253	
1944-45	102	0	0	0	0				
1945-46	183	479	0	31.2	22610	9	13	484	
1946-47	183	446	0	16.8	12200	11	27	484	
1947-48	167	786	0	10.9	7880	6	4	800	
1948-49	167	0	0	0	0				
1949-50	174	0	0	0	0				
1950-51	174	0	0	0	0				
1951-52	217	381	0	3.15	2280	3	16	732	
1952-53	217	819	0	10.7	7720	11	3	839	
1953-54	302	750	0	11.5	8350	5	7	752	
1954-55	302	0	0	0	0				
1955-56	311	0	0	0	0				
1956-57	311	452	0	4.69	3400	4	16	455	
1957-58	309	621	0	27.0	19530	4	4	635	
1958-59	309	0	0	0	0				
1959-60	213	0	0	0	0				
1960-61	213	0	0	0	0				
1961-62	251	547	0	12.7	9190	2	12	819	
1962-63	251	0	0	0	0				
1963-64		0	0	0	0				
1964-65		+	0	+	+	9	8	1.0	

SANTIAGO CREEK above Little Rock Creek (Drainage Area 11.2 square miles)									F125–R
1953-54	303	24	0	0.87	631	1	25	44	8.4
1954-55	303	13	0	0.83	602	2	17	16	9.2
1955-56	313	41	0	0.56	406	1	26	87	4.5
1956-57	313	6.8	0	0.27	199	1	13	14.6	4.0
1957-58	310	58	0	3.15	2280	4	3	107	20
1958-59	310	10	0	0.53	386	2	16	21	10
1959-60	214	1.3	0	0.10	75	2	2	1.6	2.2
1960-61	214	+	0	+	+	8	5	0.5	+
1961-62	252	118	0	1.30	945	2	11	199	8.6
1962-63	252	0.9	0	0.03	19	4	21	1.0	0.3
1963-64		0.4	0	0.01	10	4	2	0.6	0.2
1964-65		3.5	0	0.12	87	4	20	4.0	1.1

1/ INCLUDES WATER RELEASED FROM OWENS RIVER AQUEDUCT.

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
SAWPIT CREEK below Sawpit Dam (Drainage Area 3.3 square miles)									F278–R
1941-42	122	1.3	0	0.04	30	3	14	2.6	
1942-43	160	186 E	0	3.95	2860	1	23	284	
1943-44	151	50	0	0.92	666	2	22	67	
1944-45	148	8.0	0	0.40	290	11	12	18.3	
1945-46	267	21	0	0.20	169	12	23	36	
1946-47	267	18.0	0	0.45	329	12	26	26	
1947-48	238	0	0	0	0				
1948-49	238	7.2	0	0.02	16	2	9	15.4	
1949-50	248	1.0	0	0.03	25	7	1	2.6	
1950-51	248	16.1	0	0.04	32	1	15	46	
1951-52	300	42	0	1.49	1080	1	15	46	
1952-53	300	11.5	0	0.09	67	11	24	25	
1953-54	306	19.2	0	0.35	251	1	25	30	
1954-55	306	4.0	0	0.15	107	11	13	29	
1955-56	316	23	0	0.23	168	1	26	35	
1956-57	316	0.6	0	0.02	15	2	23	3.3	
1957-58	313	43	0	1.73	1260	4	3	54	
1958-59	313	13.5	0	1.07	776	1	6	50	
1959-60	215	4.3	0	0.21	151	4	27	34	
1960-61	215	1.7	0	0.20	144	1	26	5.9	
1961-62	254	75	0	1.71	1240	2	11	146	
1962-63	254	10.0	0	0.32	234	2	10	41	
1963-64		11.5	0	0.26	187	5	12	400E	
1964-65		10	0	0.39	282	4	9	23	

SAWPIT CREEK below Monrovia Canyon (Drainage Area 5.3 square miles)									U5–R
1927-28	100	1.2	0	0.07	50	2	4	1.2	
1928-29	140	2.6	0	0.11	77	3	10	2.6	
1929-30	324	2.1	0	0.17	126			N.D.	
1930-31	389	1.1	0	0.05	36	4	26	12	
1931-32	157	31	0	1.15	834	2	9	52	8.4
1932-33	286	14	0	0.27	197	1	19	34	3.6
1933-34	286	144	0	0.66	474	1	1	350	6.1
1934-35	306	28	0	0.75	543	4	8	145	5.6
1935-36	306	25	0	0.89	645	2	12	202	8.9
1936-37	292	70	0	2.42	1750	2	6	230	14
1937-38	292	450	0	6.56	4740	3	2	1800E	35
1938-39	180	24	0	0.40	287			N.D.	4.0
1939-40	175	20	+	0.55	397			N.D.	5.2
1940-41	192	63	0	3.93	2840	3	5	63	18
1941-42	148	2.0	0	0.11	80	3	15	2.0	2.6
1942-43	162	207	0	5.21	3780	1	23	441	26
1943-44	153	72	0	1.44	1050	2	22	124	11
1944-45	149	10	0	0.60	437	11	11	75	5.4
1945-46	269	42	0	0.51	366	12	23	125	4.9
1946-47	269	24	0	0.58	422	12	26	46	4.7
1947-48	239	0.4	0	+	3.4	3	14	0.8	0.3
1948-49	239	7.1	0	0.02	16	2	9	16	0.3
1949-50	250	2.2	0	0.04	26	11	10	13	0.4
1950-51	250	14	0	0.05	34	1	15	47	0.5
1951-52	302	85	0	1.63	1180	1	16	154	8.8
1952-53	302	12	0	0.12	88	12	1	61	1.6
1953-54	308	75	0	1.31	946	1	24	N.D.	13
1954-55	308	9.6	0	0.42	304	12	1	32	5.0
1955-56	318	44	0	0.41	300	1	26	113	4.0
1956-57	318	3.6	0	0.10	73	1	13	14	1.3
1957-58	316	62	0	2.05	1490	4	1	165	12
1958-59	316	34	0	1.34	971	1	6	181	21
1959-60	217	14	0	0.19	135	4	27	109	2.9
1960-61	217	2.8	0	0.10	73	11	12	19	1.1
1961-62	255	175	0	2.25	1630	2	11	353	16
1962-63	255	11	0.01	0.20	146	2	9	64	2.6
1963-64		12	0.01	0.24	172	5	12	359	2.9
1964-65		12	0.01	0.33	238	4	9	41	3.7

SAWPIT WASH above Arrow Highway (Drainage Area 6.7+ square miles)									F194–R
1932-33	237	7.5	0	0.04	26	1	19	22	
1933-34	237				**			N.D.	
1934-35	261	11	0	0.07	51	4	8	45	
				STATION ABANDONED					

SAWPIT WASH below Arrow Highway (Drainage Area 16.1 square miles)									F194B–R
1960-61	218	50	+	*	*263	1	26	420	
1961-62	257	573	+	16.6	11980	2	11	1300	8.7
1962-63	257	137	+	1.63	1180	2	9	690	6.8
1963-64		83	0.01	1.64	1192	1	22	682	7.9
1964-65		95	0.01	2.08	1500	4	9	1290	7.2

SAWTELLE–WESTWOOD CHANNEL at Culver Boulevard (Drainage Area 22.96 square miles)									F301–R
1951-52	304	638	0.1	14.0	10180	1	16	4240	25
1952-53	304	233	0.3	3.86	2790	11	11	3150	14
1953-54	312	787	0.3	9.61	6960	2	13	4150	19
1954-55	312	191	0.2	4.32	3130	1	10	2140	15
1955-56	32*	1240	0.4	8.88	6450	1	26	3130	25
1956-57	320	437	0.5	7.17	5200	2	23	4170	20
1957-58	318	448	0.4	11.6	8410	2	25	2970	22
1958-59	318	345	0.6	4.76	3440	2	8	2380	19
1959-60	220	297	0.3	5.60	4070	4	27	3310	22
1960-61	220	204	0.6	3.90	2820	11	5	2950	19
1961-62	259	1080	0.6	20.1	14520	2	12	7250 E	36
1962-63	259	511	1.0	7.32	5300	3	28	2590	22
1963-64		196	1.0	5.87	4270	1	21	3500	23
1964-65		365	0.1	8.39	6070	4	9	4240	24

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
SEPULVEDA CREEK at Charnock Road (Drainage Area, 25.7 square miles)									F185–R
1932-33	238	255	0	3.01	2180	1	29	834	10
1933-34	238	426	0	3.51	2540	12	31	1150	9.0
1934-35	262	226	0	4.08	2950	4	8	1560	8.7
1935-36	262	202	0	4.03	2920	2	12	1810	12
1936-37	257		0		*	2	14	1980	N.D.
1937-38	257		0		*	3	2	3100 E	N.D.
1938-39	153	256	0	2.99	2170	9	25	1080	7.1
1939-40	150	291	0	3.83	2780	2	2	1890	11
1940-41	163	373	+	13.0	9460	12	23	3010	17
1941-42	123	177	0.1	2.75	1990	12	28	2200	8.0
1942-43	163	740	+	6.30	4560	1	22	2220	13
1943-44	154	295	0.1	5.55	4030	2	22	1940	10
1944-45	150	170	0.3	3.97	2870	11	11	1460	8.6
1945-46	272	434	+	5.15	3740	12	22	1900	16
1946-47	272	328	0.2	5.88	4260	11	13	2110	16
1947-48	240	118	+	2.50	1820	3	24	1710	11
1948-49	240	99	+	3.33	2410	2	7	1530	15
1949-50	251	290	+	3.53	2560	2	6	1470	12
				STATION DISCONTINUED					

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
SIERRA MADRE WASH below Sierra Madre Dam (Drainage Area 2.4 square miles)									F67B–R
1928-29	121		0		* 40	4	5	* 6.0	
1929-30	45	1.7	0	0.01	8.5	3	15	3.8	
1930-31	85	2.1	0	0.01	7.8	4	26	9.0	
1931-32	48	21	0	0.29	211	2	9	38	4.9
1932-33	94	32	0	0.13	93	1	19	90	3.2
1933-34	94	8.0	0	0.11	83	12	31	39	2.6
1934-35	110	12.4	0	0.38	276	4	8	32	5.6
1935-36	110	6.5	0	0.31	141	2	11	16.4	3.5
1936-37	126	26	0	1.16	835	12	27	109	14
1937-38	126	192	0	3.24	2350	3	2	620 E	36
1938-39	85	8.0	0	0.09	65	12	18	132	1.7
1939-40	84	10.4	0	0.26	190	1	8	84	6.6
1940-41	80	42	0	2.77	2000	4	4	75	27
1941-42	59	2.7	0	0.19	138	12	28	5.0	5.6
1942-43	85	208	0	5.26	3810	1	23	533	51
1943-44	74	51	+	1.04	755	2	22	69	16
1944-45	73	13.4	0	0.17	123	11	11	56	3.6
1945-46	132	21	0	0.24	172	12	23	60	5.2
1946-47	132	21	0	0.62	446	11	13	55	11
1947-48	118	1.6	0	0.01	7.2	4	28	11.0	0.4
1948-49	118	0.1	0	+	0.2	3	11	1.6	+
1949-50	253	6.9	0	0.07	51	11	10	36	1.9
1950-51	253	0.5	0	+	2.0	1	11	3.5	0.1
1951-52	307	37	0	1.68	1215	1	16	65	22
1952-53	307	2.8	0	0.04	29	12	1	41	1.3
1953-54	316	28	0	0.63	457	1	19	99	16
1954-55	316	3.5	+	0.16	114	11	11	23	4.3
1955-56	323	27	+	0.32	236	1	26	52	8.2
1956-57	323	9.8	0	0.15	108	2	23	39	4.0
1957-58	321	31	0	2.09	1510	2	19	54	28
1958-59	321	8.6	0	0.24	199	1	6	78	11
1959-60	222	1.0	0	0.02	14	1	12	3.1	0.1
1960-61	222	1.5	0	0.01	7.8	11	5	15.8	0.5
1961-62	261	53	+	0.98	706	2	11	120	21
1962-63	261	10.6	+	0.06	45	2	9	68	9.6
1963-64		5.8	0.01	0.13	91	1	21	18.6	4.1
1964-65		10	0	0.18	132	4	9	28	0.3

NOTE: STATION AT VARIOUS LOCATIONS. SEE STATION DESCRIPTION.

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
SIERRA MADRE WASH at Highland Oaks Drive (Drainage Area 3.8 square miles)									F267B–R
1940-41	82	N.D.	0	N.D.	N.D.			N.D.	
1941-42	61	6.5	0	0.16	117	12	28	60	
1942-43	86	216	0	3.43	2480	1	23	542	
1943-44	75	67	+	0.55	390	2	22	202	
1944-45	74	24	0	0.20	144	11	11	175	
1945-46	135	35	0	0.30	212	12	23	188	
1946-47	135	26	0	0.31	227	12	27	112	
1947-48	120	6.2	0	0.07	52	3	13	76	
1948-49	120	1.1	0	.02	18	3	4	43	
1949-50	255	8.2	0	0.10	74	11	10	110	
1950-51	255	8.4	0	.06	44	1	11	110	
1951-52	309	71	0	0.92	670	1	16	323	
1952-53	309	11.8	0	0.14	101	12	1	208	
1953-54	319	57	0	0.56	404	1	19	333	
1954-55	319	11.7	0	0.23	164	1	18	175	
1955-56	326	104	0	0.47	344	1	26	481	
1956-57	326	28	0	0.36	264	2	23	445	
1957-58	323	54	+	1.87	1350	2	19	700 E	
1958-59	323	36	0	0.42	304	1	6	706	
1959-60	224	5.8	0	0.01	72	1	15	56	
1960-61	224	4.5	0	0.06	40	11	5	127	
1961-62	263	128	0	1.42	1030	2	11	429	
1962-63	263	32	0	0.32	231	2	9	193 E	
1963-64		20	0	0.25	179	4	1	280	
1964-65		14	0	0.26	192	11	9	315	

NOTE: STATION AT VARIOUS LOCATIONS. SEE STATION DESCRIPTION.

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
STODDARD CREEK above San Antonio Creek (Drainage Area, 1.71 square miles)									B324–R
1958-59	325	9.2	0	0.31	221	2	11	62	
1959-60	226	1.2	0	0.01	66	4	28	15	
1960-61	226	1.0	0	0.04	28	11	12	3.4	
1961-62	265	18	0	0.42	302	11	20	395	
1962-63	265	12	0	0.06	42	2	9	55	
1963-64		3.4	0	0.04	28	1	22	19	
1964-65		6.0	0	0.07	48	4	9	30	

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
SYCAMORE CANYON CHANNEL above Solway Street (Drainage Area 2.7 square miles)									F43–R
1927-28	88		0		* 63	2	3	* 25	
1928-29	238	12.8	0	1.07	77	3	10	62	
1929-30	226	24	0	0.22	160	3	14	24	
1930-31	299	6.3	0	0.06	40	2	4	20	
1931-32	125	11.7	0	0.57	415	2	9	58	14
1932-33								N.D.	N.D.
1933-34								N.D.	N.D.
1934-35	268							N.D.	N.D.
1935-36	268		0		*	3	30	252	N.D.
1936-37					**			N.D.	N.D.
1937-38					**			N.D.	N.D.
1938-39	155	5.5	0	0.19	139	1	5	74	4.3
1939-40	154	3.3	0	0.14	100	2	1	55	3.9
1940-41	166	79	0	1.19	864			N.D.	13
1941-42	125	9.5	0	0.15	110	12	10	119	5.3
1942-43	165	90	0	1.57	1140	1	22	340	24
1943-44	156	48	0	0.55	389	2	22	172	11
1944-45	152	7.0	0	0.15	107	11	11	89	4.2
1945-46	275	3.7	0	0.07	54	2	3	89	2.2
1946-47	275	27	0	0.17	122	12	25	175	4.0
1947-48	244	2.1	0	0.01	9.9	3	24	51	0.7
1948-49	244	0.4	0	0.01	8.6	1	9	3.4	0.5
1949-50	258	2.7	0	0.04	33	2	6	20	1.7
1950-51	258	2.2	0	0.04	28	1	11	55	1.9
1951-52	312	92	0	1.54	1119	1	16	568	20
1952-53	312	7.9	0	0.12	86	11	15	117	4.8
1953-54	322	7.0	0	0.01	69	1	19	85	3.0
1954-55	322	6.0	0	0.06	45	5	1	69	2.0
1955-56	329	39	+	0.17	123	1	26	216	4.5
1956-57	329	15.3	+	0.11	79	2	23	288	3.7
1957-58	328	22	0	0.48	348	2	19	374	8.3
1958-59	328	12.5	0	0.09	67	1	6	279	5.1
1959-60	228	6.4	0	0.07	52.9	1	11	30	3.3
1960-61	228	6.1	0	0.06	43	11	6	177	4.5
1961-62	267	67	+	0.74	537	2	12	326	16
1962-63	267	26	+	0.15	108	2	9	207	6.2
1963-64		14.0	0	0.13	97	3	22	316	6.4
1964-65		23	0	0.39	283	4	8	473	11

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
SYCAMORE CANYON CHANNEL at Adams Square (Drainage Area 6.2 square miles) (1.77 square miles beginning December 1959)									F44B–R
1927-28	94		0		* 103	2	3	* 34	
1928-29	244	* 73	0	*	* 253	11	14	904	
1929-30	231	51	0	0.49	353	5	3	51	
1930-31	304	13.7	0	0.26	190	2	3	212	
1931-32	127	35	0	0.84	611	11	27	191	
1932-33	242	46	0	0.39	283	1	19	401	
1933-34	242	366	0	2.46	1780	1	1	1150	
1934-35	266	65	0	1.53	1110	1	5	591	
1935-36	266	31	0		*	3	30	607	
1936-37	259	56	0		*1760	12	27	365	
1937-38	259				**	3	2	2800 E	
1938-39	156	68	0	1.37	992	1	5	314	
1939-40	152	33	0	0.81	585	1	7	492	
1940-41	167	200	0	4.51	3260			N.D.	
1941-42	126	58	+	0.64	463	12	10	434	
1942-43	166	205	+	3.02	2180	1	22	757	
1943-44	158	152	0	1.99	1440	2	22	782	
1944-45	154	44	0	0.65	470	2	2	249	
1945-46	278	56	0.01	0.75	540	2	3	552	
1946-47	278	68	0	1.02	741	12	25	370	
1947-48	246	42	0	0.41	300	3	24	818	
1948-49	246	20	+	0.41	294	3	7	98	
1949-50	260	36	+	0.58	420	2	6	205	
1950-51	260	12.7	0.01	0.38	279	4	28	262	
1951-52	314	177	+	3.46	2510	1	16	1270	
1952-53	314	34	+	0.48	345	11	15	330	
1953-54	325	40	+	0.69	499	2	13	214	
1954-55	325	32	+	0.58	418	1	18	318	
1955-56	331	158	0	0.93	672	1	26	841	
1956-57	331	72	0.01	0.72	522	2	23	1085	
1957-58	330	72	+	1.99	1450	2	19	751	
1958-59	330	50	+	0.61	441	1	6	880	
1959-60	230	12.4	+	0.28	204	1	14	147	
1960-61	230	16.5	0	0.25	182	11	5	413	
1961-62	269	42	0	0.80	581	2	12	401	
1962-63	269	* 32	+	N.D.	N.D.	2	9	223	
				RECORDER REMOVED APRIL 4, 1963					

NOTE: STATION AT VARIOUS LOCATIONS. SEE STATION DESCRIPTION.

THOMPSON CREEK SPREADING GROUNDS INTAKE at Thompson Creek Dam (Drainage Area 3.7 square miles) F276-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1940-41	168	11	0	0.48	345	4	1	19	
1941-42	127	+	0	+	+	Var.	Times	+	
1942-43	167	14	0	0.44	317	2	24	21	
1943-44	159	2.6	0	0.05	37	2	26	3.8	
1944-45	155	1.2	0	0.03	18	3	26	2.3	
1945-46	281	2.4	0	0.01	4.8	12	23	15	
1946-47	281	0	0	0	0				
1947-48	249	0	0	0	0				
1948-49	249	0	0	0	0				
1949-50	263	0	0	0	0				
1950-51	263	0	0	0	0				
1951-52	317	8.7	0	0.22	163	3	15	18	
1952-53	317	0	0	0	0				
1953-54	328	0	0	0	0				
1954-55	328	0	0	0	0				
1955-56	334	0	0	0	0				
1956-57	334	0	0	0	0				
1957-58	332	8.1	0	0.23	163	4	8	10	
1958-59	332	0	0	0	0				
1959-60	232	0	0	0	0				
1960-61	232	0	0	0	0				
1961-62	271	3.6	0	0.04	27	2	20	6.3	
1962-63	271	+	0	+	+	2	9	0.1	
1963-64		0.1	0	+	0.2	3	22	0.4	
1964-65		+	0	+	+				

THOMPSON CREEK below Thompson Creek Dam (Drainage Area 3.7 square miles) F32B-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1943-44	160	0	0	0	0				
1944-45	156	0	0	0	0				
1945-46	282	0	0	0	0				
1946-47	282	0	0	0	0				
1947-48	249	0	0		0				
1948-49	249	0	0	0	0				
1949-50	263	0	0	0	0				
1950-51	263	0	0	0	0				
1951-52	318	4.6	0	0.5	33	3	17	5.3	
1952-53	318	0	0	0	0				
1953-54	328	0	0	0	0				
1954-55	328	0	0	0	0				
1955-56	334	0	0	0	0				
1956-57	334	0	0	0	0				
1957-58	333	7.3	0	0.30	219	4	5	8.6	
1958-59	333	0	0	0	0				
1959-60	232	0	0	0	0				
1960-61	232	0	0	0	0				
1961-62	272	0	0	0	0				
1962-63	272	1.0	0	0.02	13	4	25	2.0	
1963-64		0	0	0	0				
1964-65		0	0	0	0				

TOPANGA CREEK above Mouth of Canyon (Drainage Area 18.0 square miles) F54B-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1929-30	237				* 647	3	14	340	
1930-31	310	186	0.01	0.97	705	2	4	386	
1931-32	129	409	0.02	4.94	3590	2	8	1250	15
1932-33	245	542	0.01	3.09	2240	1	19	1430	13
1933-34	245	1590	0	8.87	6420	12	31	4510	31
1934-35	270	130	+	1.88	1360	1	5	1200	6.2
1935-36	270	77	+	2.05	1490	2	22	528	8.4
1936-37	261	413	+	9.13	6620	3	15	1130	23
1937-38	261	3270	+	21.2	15310	3	2	9300 E	46
1938-39	158				**			N.D.	N.D.
1939-40	155	183	+	2.86	2080	2	1	1280	11
1940-41	169	1100 E	+	26.2	18940	2	20	8700 E	39
1941-42	128	47	+	0.75	540	12	28	385	3.4
1942-43	169	1110 E	+	12.0	8720	1	22	2200	29
1943-44	161	1110 E	0.1	9.60	6970	2	22	5070	27
1944-45	157	176	0.1	1.51	1090	2	2	964	6.4
1945-46	283	182	0.02	1.93	1390	12	23	905	7.6
1946-47	283	86	0.02	1.37	994	11	20	567	5.9
1947-48	250	23	0	0.23	168	3	24	276	1.8
1948-49	250	5.0	0.01	0.14	99	12	26	63	0.9
1949-50	264	35	0.01	0.52	379	12	18	275	2.6
1950-51	264	2.4	0.01	0.10	74	1	11	21	0.8
1951-52	319	1998	0	23.3	16900	1	15	6050	42
1952-53	319	52	0.02	1.00	725	12	1	702	5.3
1953-54	329	396	0	2.51	1820	2	13	2090	10
1954-55	329	33	0.01	0.49	354	1	18	151	2.0
1955-56	335	337	+	1.42	1030	1	26	1540	5.4
1956-57	335	69	0.01	0.52	374	2	23	655	2.4
1957-58	335	599	0.01	10.4	7460	4	3	3950	21
1958-59	335	141	0.02	1.08	785	1	6	1510	7.2
1959-60	233	76	0.01	0.58	422	4	27	539	3.2
1960-61	233	8.1	+	0.08	58	1	26	28	0.8
1961-62	273	1150	0.02	10.7	7720	2	10	2790	24
1962-63	273	66	0.02	0.63	454	2	9	569	3.1
1963-64		17	0.01	0.25	178	1	21	196	1.5
1964-65		148	0.01	1.22	886	4	9	716	4.7

VERDUGO WASH at Estelle Avenue (Drainage Area 26.8 square miles) F252-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1928-29	232	* 15	0	*	* 140	4	4	* 56	
1929-30	242	14	0	0.04	274	5	3	80	
1930-31	317	8.4	0.01	0.20	145	4	26	46	
1931-32	131	39	0.1	0.98	713	2	9	145	2.3
1932-33	249	42	0.1	0.41	295	1	19	391	1.4
1933-34	249	0	0		**			N.D.	
1934-35	273	* 85	0		* 620	1	5	*1020	
1935-36	273	33	0	0.64	463	3	30	*1100	
1936-37	264		0		*1560	12	27	768	3.4
1937-38	264	1500	0	7.52	5450	3	2	4400 E	11
1938-39	159	78	0	1.96	1420	1	5	520	4.1
1939-40	157	60	+	1.97	1430	1	8	533	5.2
1940-41	171	357	+	10.2	7370	2	19	1120	11
1941-42	130	81	0.8	2.98	2160	12	10	440	10
1942-43	171	1020	0.3	12.0	8690	1	23	3570	17
1943-44	163	998	0.2	6.95	5040	2	22	3160	12
1944-45	159	181	0.6	2.77	2010	2	2	1520	6.6
1945-46	286	135	0.3	2.66	1930	12	22	816	7.0
1946-47	286	234	0	2.68	1940	12	25	1860	5.5
1947-48	253	41	0	0.53	382	3	24	573	2.6
1948-49	253	35	0	0.60	433	12	16	202	2.1
1949-50	267	69	0	0.88	638	2	6	467	2.8
1950-51	267	41	0	0.51	383	1	11	960	2.4
1951-52	322	422	0	7.75	5630	1	16	2920	9.7
1952-53	322	100	0	1.34	968	11	15	1520	4.9
1953-54	333	227	0	2.66	1920	2	13	1300	7.0
1954-55	333	134	0	2.05	1480	1	18	784	6.0
1955-56	338	550	0	2.53	1840	1	26	1940	7.1
1956-57	338	184	0	1.93	1400	2	23	2960	5.7
1957-58	338	236	0	5.20	3770	2	19	1700	8.1
1958-59	338	232	0	1.99	1440	2	16	2080	9.1
1959-60	235	56	0	1.19	862	1	11	533	5.4
1960-61	235	98	+	0.92	667	11	5	676	5.1
1961-62	275	592	0	6.67	4830	2	12	1880	13
1962-63	275	370	+	2.01	1460	2	9	2180	6.1
1963-64		192	0	2.08	1510	1	21	1640	7.8
1964-65		249	+	3.84	2780	4	8	1480	9.0

NOTE: STATION AT VARIOUS LOCATIONS. SEE STATION DESCRIPTION.

WALNUT CREEK at Baldwin Park Avenue (Drainage Area 99.0 Square Miles) F47-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1928-29	38	* 55	0		* 112	3	10	* 302	
1929-30	247	87	0	0.72	526	1	11	900	
1930-31	322	25	0	0.29	210	2	4	123	
1931-32	133	365	0	3.88	2820	2	9	1780	2.1
1932-33	252	129	0	0.73	530	1	19	748	0.7
1933-34	252	1770	0	8.71	6310	1	1	8060	5.3
1934-35	277	321	0	2.66	1920	10	17	2340	1.3
1935-36	277	291	0	2.29	1670	2	12	2450	1.7
1936-37	266	611	0	5.94	4300	2	6	1980	2.4
1937-38	266	2580	0	17.4	12610	3	2	4290	7.0
1938-39	161	146	0	1.40	1010	12	18	751	0.8
1939-40	158	173	0	1.27	923	1	7	1870	1.0
1940-41	173	561	0	10.1	7300	3	13	2680	3.3
1941-42	131	52	0	0.30	216	12	10	223	0.3
1942-43	172	1190	0	14.0	10140	1	23	4380	5.8
1943-44	164	1010	0	4.26	2930	2	22	4220	2.2
1944-45	160	358	0	2.09	1510	11	11	3210	1.3
1945-46	289	620	0	3.80	2750	12	23	2430	2.6
1946-47	289	100	0	1.26	910	11	23	583	0.9
1947-48	255	56	0	0.23	164	12	5	232	0.3
1948-49	255	16	0	0.07	48	12	17	121	0.1
1949-50	270	96	0	0.47	340	2	6	448	0.4
1950-51	270	8.5	0	0.06	44	1	11	115	0.1
1951-52	325	618	0	8.79	6370	1	16	3130	3.5
				STATION DISCONTINUED SEE STATION F304-R					

WALNUT CREEK at Puente Avenue (Drainage Area 65.6 square miles through 1957-58) (Beginning 1958-59 Drainage Area 57.65 square miles) F304-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	PERCENT YIELD RUNOFF/RAINFALL
1952-53	326	47	0	0.40	292	12	1	713	0.6
1953-54	336	297	0	34.9	25290	2	13	1500	1.8
1954-55	336	337	0	29.9	21640	1	18	732	1.8
1955-56	341	1120	0	68.5	49730	1	26	3450	4.6
1956-57	341	361	0	71.2	51530	2	28	2200	2.7
1957-58	340	494	0	11.7	8490	4	7	2510	6.5
1958-59	340	279	0	2.23	1610	1	6	2480	4.6
1959-60	237	163	0	1.80	1300	1	12	1160	3.5
1960-61	237	272	0	12.4	9010	1	26	411	1.6
1961-62	277	* 431			*4800	2	11	2090	6.4
1962-63	277	267	+	4.64	3360	3	16	1410	4.5
1963-64		232	+	3.93	2860	1	22	1280	4.0
1964-65		435	0.2	16.1	11640	4	9	3250	5.3

TABLE XIV (Continued)
YEARLY DISCHARGE SUMMARY

COMBINED FLOW LOS ANGELES RIVER AND SAN GABRIEL RIVER AT PACIFIC OCEAN		
SEASON	TOTAL RUNOFF ACRE FEET	PERCENT YIELD RUNOFF/RAINFALL
1931-32	55,010	3.1
1932-33	20,660	1.9
1933-34	77,780	6.1
1934-35	39,330	2.0
1935-36	18,020	1.5
1936-37	100,200	4.4
1937-38	488,300	21
1938-39	64,580	3.9
1939-40	43,910	3.5
1940-41	405,500	13
1941-42	52,250	5.1
1942-43	397,700	17
1943-44	240,300	12
1944-45	78,450	5.9
1945-46	72,350	5.4
1946-47	102,900	7.0
1947-48	32,430	4.2
1948-49	21,400	2.5
1949-50	29,690	2.8
1950-51	21,490	3.2
1951-52	265,700	11
1952-53	37,340	4.3
1953-54	67,210	5.4
1954-55	51,860	4.6
1955-56	89,860	7.2
1956-57	39,920	3.8
1957-58	199,800	8.5
1958-59	39,280	5.3
1959-60	40,560	5.2
1960-61	22,220	4.0
1961-62	184,800	11
1962-63	50,490	5.6
1963-64	40,750	5.4
1964-65	76,110	6.5

COMBINED FLOW RIO HONDO AND SAN GABRIEL RIVER AT WHITTIER NARROWS		
SEASON	TOTAL RUNOFF ACRE FEET	PERCENT YIELD RUNOFF/RAINFALL
1931-32	72,740	8.0
1932-33	34,410	6.6
1933-34	54,950	8.3
1934-35	50,560	5.1
1935-36	35,100	5.6
1936-37	95,950	8.3
1937-38	318,330	26
1938-39	71,558	9.0
1939-40	64,030	11
1940-41	249,520	17
1941-42	76,100	16
1942-43	279,330	24
1943-44	174,350	18
1944-45	92,610	14
1945-46	95,590	15
1946-47	107,680	15
1947-48	46,200	11
1948-49	27,660	6.2
1949-50	24,570	4.8
1950-51	14,410	4.2
1951-52	90,930	7.8
1952-53	35,510	8.2
1953-54	31,690	5.0
1954-55	19,130	3.7
1955-56	28,840	5.0
1956-57	20,540	4.1
1957-58	121,390	11
1958-59	20,320	5.2
1959-60	18,510	4.7
1960-61	5,110	1.9
1961-62	67,520	7.9
1962-63	16,680	3.6
1963-64	13,140	3.2
1964-65	43,420	7.6

LEGEND

* INDICATES RECORD INCOMPLETE
** INDICATES RECORD NOT COMPUTED
E INDICATES ESTIMATED
N.D. INDICATES NOT DETERMINED DUE TO INSUFFICIENT DATA
N.R. INDICATES NO RECORD
\+ INDICATES 0.05 CFS OR LESS

TABLE XV

RUNOFF WASTE TO OCEAN IN ACRE-FEET

YEAR	SAWTELLE-WESTWOOD CHANNEL AT CULVER BOULEVARD	BALLONA CREEK AT SAWTELLE BOULEVARD AT CENTINELA [1] BOULEVARD	DOMINGUEZ CHANNEL AT CARSON BOULEVARD	LOS ANGELES RIVER BELOW WARDLOW ROAD AT PACIFIC COAST HIGHWAY [3] AT WILLOW STREET [2]	LOS CERRITOS CHANNEL AT STEARNS STREET AT SEVENTH STREET [4] AT ATHERTON STREET [5]	SAN GABRIEL RIVER AT SPRING STREET	COYOTE CREEK AT SPRING STREET AT CENTRALIA ROAD [7] NEAR DEL AMO STREET [6]	TOTAL MEASURED WASTE TO OCEAN	RAINFALL INDEX MEAN FOR COUNTY
1927-28		3,930. [1]				NO FLOW			66
1928-29		14,900. [1]		9,340. INC. [2]		" "		24,240.	70
1929-30		13,480. [1]		12,310. [2]		" "	699. [6]	26,490.	79
1930-31		18,520. [1]		14,400. [2]		" "	568. [6]	33,490.	94
1931-32		21,790. [1]		50,960. [3]		6,560.	2,690. [6]	82,000.	125
1932-33		15,810. [1]		22,890. [3]		809.	457. [6]	39,970.	74
1933-34		20,630. [1]		67,860. [3]		12,370.	3,890. [6]	104,750.	70
1934-35		24,870. [1]		40,470. [3]		2,380.	3,850. [6]	71,570.	134
1935-36		13,486. [1]		20,470. [3]		1,190.	1,150. [6]	36,300.	69
1936-37		40,680.		91,100. [3]		13,510.	13,680. [6]	158,970.	144
1937-38		52,500.		408,000. [3]		88,020.	15,070. [6]	563,590.	150
1938-39		28,490.		82,750. [3]		1,080.	4,250. [6]	116,570.	121
1939-40		21,110.		65,930. [3]		1,460.	3,190. [6]	91,690.	82
1940-41		67,360.	32,260.	369,500. [3]		65,890.	29,500. [6]	564,510.	219
1941-42		17,250.	3,570.	93,390. [3]		10,830.	1,560. [6]	126,600.	81
1942-43		34,240.	12,200.	264,900. [3]		175,100.	12,070. [6]	498,510.	150
1943-44		33,000.	19,020.	217,400. [3]		72,200.	12,060. [6]	353,680.	161
1944-45		24,450.	9,010.	100,200. [3]		22,280.	3,800. [6]	159,740.	92
1945-46		18,380.	8,890.	91,790. [3]		12,590.	3,540. [6]	135,190.	90
1946-47		26,300.	10,650.	106,000. [3]		24,100.	2,460. [6]	69,510.	94
1947-48		13,630.	5,200.	52,820. [3]		NO FLOW	1,500. [6]	73,150.	53
1948-49		16,090.	5,660.	44,350. [3]		" "	951. [6]	67,050.	59
1949-50		23,250.	6,590.	42,180. [3]	1,900. [5]	" "	1,800. [6]	75,720.	66
1950-51	INC.	18,860.	9,180.	36,600. [3]	2,190. [5]	" "	1,420. [6]	68,250.	43
1951-52	10,180.	53,350.	25,700.	212,200. [3]	9,730. [5]	21,100. EST.	23,920. [6]	356,180.	172
1952-53	2,790.	19,910.	9,630.	44,490. [3]	2,810. [5]	220.	1,160. [6]	81,010.	62
1953-54	6,960.	28,480.	13,800.	70,790. [3]	5,850. [5]	2,060.	3,990. [6]	131,930.	87
1954-55	3,130.	21,600.	11,850.	60,120. [3]	4,500. [5]	820.	1,220. [6]	103,240.	78
1955-56	6,450.	34,590.	22,370.	46,030.	6,500.	9,390.	7,280. [7]	182,610.	82
1956-57	5,200.	22,240.	11,440.	48,710.	2,920.	896.	1,200. [7]	92,610.	73
1957-58	8,410.	43,040.	30,080.	191,200.	9,730.	22,930.	15,660. [7]	321,050.	167
1958-59	3,440.	13,730.	13,270.	49,390.	2,410.	2,670.	3,080. [7]	87,990.	51
1959-60	4,070.	17,190.	15,790.	49,100.	3,780.	1,860.	4,420. [7]	96,210.	56
1960-61	2,820.	12,560.	9,050.	32,000.	1,830.	448.	1,720. [7]	60,430.	41
1961-62	14,520.	50,090.	32,220.	177,400.	8,860.	23,070.	22,490. [7]	328,650.	127
1962-63	5,640.	21,450.	18,810.	54,700.	4,610.	5,290.	6,400. [7]	116,900.	70
1963-64	4,270.	18,000.	- [8]	47,020.	2,410.	3,160.	7,950.	82,810.	56
1964-65	4,240.	17,600.	- [8]	76,680.	1,590.	4,540.	3,350.	108,000.	82

Prior to 1/22/51, discharge of Sawtelle-Westwood Channel was included in Ballona Creek at Sawtelle Boulevard.

No discharge record prior to 10/1/40.

[4] During period 1942 to 1949 when station was at Seventh Street, records of discharge were not determined due to tidal fluctuations.

[1] At Centinela Boulevard February 1928 to April 27, 1936. At Sawtelle Boulevard after May 1, 1936.

[2] At Willow Street prior to 1931.

[3] At Pacific Coast Highway from 1931 to January 1956. Below Belhart Street after January 1956.

[4] At Seventh Street November 1942 to June 1949.

[5] At Atherton Street June 1949 to May 1955. At Stearns Street after October 1955.

[6] Near Del Amo Street January 1930 to February 1956.

[7] At Centralia Road after February 1956 to October 1963. At Spring Street after October 1963.

[8] Discontinued May 1964, due to channel reconstruction.

DAM OPERATION RECORDS

DAMS AND RESERVOIRS

FOREWORD

The District operated and maintained fourteen dams during the 1963-64 and 1964-65 water years. The Los Angeles District Corps of Engineers, Department of the Army, operated and maintained Hansen Dam on the Tujunga Wash, Sepulveda Dam on the Los Angeles River, Whittier Narrows Dam and Santa Fe Dam on the San Gabriel River and the Rio Hondo, and San Antonio Dam on San Antonio Creek.

Pertinent data relative to the District's flood control and water conservation dams are presented in the following tabulation:

FLOOD CONTROL AND CONSERVATION DAMS

Dam	Date of Completion	Date of Survey for Original Storage	Original Storage at Spwy. A.F.	Date of Latest Survey	Latest Storage at Spwy. A.F.	Drainage Area Sq. Miles
1. Pacoima	Feb. 1929	1919	6060	May 1962	4581	28.2
2. Big Tujunga	July 1931	1928	6240	July 1962	4065	82.3
3. Devil's Gate	June 1920	1929	4567	May 1962	2750	31.9
4. Eaton Wash	Feb. 1937	Jan. 1936	956	Feb. 1964	873	9.5
5. Santa Anita	May 1927	1923	1376	April 1962	630	10.8
6. Sawpit	June 1927	1923	476	Aug. 1964	308	3.3
7. Cogswell	Apr. 1934	Jan. 1936	12298	Nov. 1962	10228	39.2
8. San Gabriel	July 1939	1938 [4]	53344	Nov. 1962	43642	163.5 [1]
9. Big Dalton	Aug. 1929	1935 [5]	1053	Jan. 1962	869	4.5
10. San Dimas	Sept. 1922	1919	1496	Nov. 1965	1359	16.2
11. Puddingstone Diversion [2]	July 1928	1929	148	Sept. 1962	203	3.7 [7]
12. Puddingstone	Jan. 1928	1915	17398	Sept. 1959	17090	11.0 [3]
13. Live Oak	Nov. 1922	1919	250	Jan. 1964	243	2.3
14. Thompson Creek	March 1928	Oct. 1932	812 [6]	July 1962	554	3.5

[1] Exclusive of drainage area above Cogswell Dam.
[2] Temporary storage - functions primarily to divert flow.
[3] Exclusive of drainage area above Live Oak, San Dimas and Puddingstone Diversion Dam.
[4] Based on a partial survey prior to March 2, 1938 and extrapolations.
[5] 1935 is a date of first complete survey; original reconnaissance survey was made in 1923. Earlier publications show storage based on volumetric computations with extrapolations based on the 1923 survey (1194 A.F.).
[6] Spillway lip lowered in 1942 from elevation 1640, to elevation 1634.85. Original storage based on elevation 1634.85 would have been 645 A.F.
[7] Formerly, 2.6 square miles, includes Ham Canyon beginning 1961-62. Excludes drainage area above San Dimas Dam.

PURPOSE

Dams of the Los Angeles County Flood Control District serve two purposes, flood control and water conservation.

OPERATION

The District reservoirs are operated in such a manner as to achieve the maximum flood protection during the storm season. Releases of water are made so as to conserve as much water as possible in spreading grounds and by natural channel infiltration. Late in the rainy period, water is stored to provide for the dry summer months.

Reclaiming of valuable storage capacity is effected by sluicing from the District reservoirs to the limit of available and safe channel capacity below the dams when runoff and storage conditions permit, by excavating by District on force account, and by permittees, where feasible.

The following tabulation shows the amount of debris removed from reservoirs by sluicing and excavation during the 1963-64 and 1964-65 seasons:

Dam	1963-64 Acre-Feet	1963-64 Acre-Feet
Devil's Gate	144.3	102.8
Eaton Wash	44.8	
Sawpit	36.8	
Santa Anita		0.6
San Dimas		630.3
Live Oak	83.3	

RECORDS

The daily storage and flow records at fourteen of the District dams are summarized on the Dam Operation Record Sheets. pages to . The sheets show:

1. Reservoir water surface elevations based on spillway datum. Elevations are obtained from water-stage recorder graphs or interpolation from staff gage readings and recorded as of midnight of each day.

2. Storage in acre-feet based on most recent topographic surveys.

3. Inflow in cubic feet per second are usually calculated from storage change and known outflow. When outflow is not known, the inflow may be determined from gaging station records or interpolated between measurements.

4. Outflow in cubic feet per second are mean daily valve and/or spillway discharge. These are determined from gaging station records, known valve openings and rating curves, or from storage change and known inflow.

5. In some instances, total monthly and yearly evaporation and percolation losses have been computed and are indicated on the Dam Operation Records. Discrepancies between outflow and storage losses at certain dams were attributable to percolation and/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. Percentage of error is in direct proportion to the error in water surface areas through the range at which the flows were computed; normally, the error is small.

RESPONSIBILITY

The compilation of the Reservoir Records and assembly for publication during 1963-64 and 1964-65 was under the immediate supervision of R. E. Lindsay, Section Head; Reservoir and Runoff Record Section, assisted by F. E. Stunden and S. E. Blakely, R. A. Petersen and F. Mead III.

Operation of reservoirs during both storm and normal periods was under the direction of W. R. Ferrell, Supervising Civil Engineer. Maintenance and routine mechanical operation of dams and construction of various appurtenances for dams, debris basins and spreading grounds was under the supervision of H. C. Porter, Division Engineer, Operation and Maintenance Division, assisted by W. R. Ferrell.

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In Pacoima Canyon for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4,580.8 Ac. Ft. at Spillway Elev. 1,950.0 Ft. as of May 1962 Gage Heights Read Daily

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,821.5	251.9	0.5	0.2	1,822.0	256.8	0.2	0.1	1,822.6	262.9	0.2	0.1	1,823.0	266.9	0.2	0.1	1
2	1,821.5	251.9	0.5	0.2	1,822.0	256.8	0.2	0.1	1,822.6	262.9	0.2	0.1	1,823.0	266.9	0.2	0.1	2
3	1,821.5	251.9	0.5	0.2	1,822.0	256.8	0.2	0.1	1,822.6	262.9	0.2	0.1	1,823.0	266.9	0.2	0.1	3
4	1,821.6	252.9	0.5	0.2	1,822.0	256.8	0.2	0.1	1,822.6	262.9	0.2	0.1	1,823.0	266.9	0.2	0.1	4
5	1,821.6	252.9	0.5	0.2	1,822.0	256.8	0.2	0.1	1,822.6	262.9	0.2	0.1	1,823.0	266.9	0.2	0.1	5
6	1,821.6	252.9	0.4	0.1	1,822.0	256.8	0.2	0.1	1,822.6	262.9	0.3	0.1	1,823.0	266.9	0.2	0.1	6
7	1,821.7	253.9	0.4	0.1	1,822.1	257.8	0.6	0.1	1,822.6	262.9	0.3	0.1	1,823.0	266.9	0.2	0.1	7
8	1,821.7	253.9	0.4	0.1	1,822.1	257.8	0.2	0.1	1,822.7	263.9	0.3	0.1	1,823.1	267.9	0.2	0.1	8
9	1,821.8	254.8	0.4	0.1	1,822.1	257.8	0.2	0.1	1,822.7	263.9	0.3	0.1	1,823.1	267.9	0.2	0.1	9
10	1,821.8	254.8	0.3	0.1	1,822.1	257.8	0.2	0.1	1,822.7	263.9	0.3	0.1	1,823.1	267.9	0.3	0.1	10
11	1,821.8	254.8	0.3	0.1	1,822.1	257.8	0.2	0.1	1,822.7	263.9	0.3	0.1	1,823.1	267.9	0.3	0.1	11
12	1,821.8	254.8	0.3	0.1	1,822.1	257.8	0.1	0.1	1,822.7	263.9	0.3	0.1	1,823.1	267.9	0.3	0.1	12
13	1,821.8	254.8	0.2	0.1	1,822.1	257.8	0.1	0.1	1,822.8	264.9	0.3	0.1	1,823.1	267.9	0.3	0.1	13
14	1,821.8	254.8	0.2	0.1	1,822.1	257.8	0.1	0.1	1,822.8	264.9	0.3	0.1	1,823.2	269.0	0.3	0.1	14
15	1,821.8	254.8	0.2	0.1	1,822.2	258.8	0.6	0.1	1,822.8	264.9	0.3	0.1	1,823.2	269.0	0.3	0.1	15
16	1,821.8	254.8	0.2	0.1	1,822.2	258.8	0.2	0.1	1,822.8	264.9	0.3	0.1	1,823.2	269.0	0.3	0.1	16
17	1,821.8	254.8	0.2	0.1	1,822.2	258.8	0.1	0.1	1,822.8	264.9	0.3	0.1	1,823.2	269.0	0.3	0.1	17
18	1,821.9	255.8	0.2	0.1	1,822.2	258.8	0.2	0.1	1,822.8	264.9	0.3	0.1	1,823.2	269.0	0.3	0.1	18
19	1,821.9	255.8	0.2	0.1	1,822.3	259.8	0.6	0.1	1,822.8	264.9	0.3	0.1	1,823.2	269.0	0.3	0.1	19
20	1,821.9	255.8	0.2	0.1	1,822.5	261.8	1.1	0.1	1,822.9	265.9	0.3	0.1	1,823.4	271.0	1.1	0.1	20
21	1,822.0	256.8	0.2	0.1	1,822.5	261.8	0.3	0.1	1,822.9	265.9	0.3	0.1	1,824.3	280.4	4.8	0.1	21
22	1,822.0	256.8	0.2	0.1	1,822.5	261.8	0.3	0.1	1,822.9	265.9	0.3	0.1	1,825.5	293.1	6.5	0.1	22
23	1,822.0	256.8	0.2	0.1	1,822.5	261.8	0.3	0.1	1,822.9	265.9	0.3	0.1	1,825.6	294.2	0.8	0.1	23
24	1,822.0	256.8	0.2	0.1	1,822.6	262.9	0.3	0.1	1,822.9	265.9	0.2	0.1	1,825.6	294.2	0.6	0.1	24
25	1,821.9	255.8	0.2	0.1	1,822.6	262.9	0.3	0.1	1,822.9	265.9	0.2	0.1	1,825.7	295.3	0.6	0.1	25
26	1,821.9	255.8	0.2	0.1	1,822.6	262.9	0.2	0.1	1,822.9	265.9	0.2	0.1	1,825.8	296.3	0.6	0.1	26
27	1,822.0	256.8	0.2	0.1	1,822.6	262.9	0.2	0.1	1,822.9	265.9	0.2	0.1	1,825.9	297.4	0.6	0.1	27
28	1,822.0	256.8	0.2	0.1	1,822.6	262.9	0.2	0.1	1,823.0	266.9	0.2	0.1	1,826.0	298.5	0.6	0.1	28
29	1,822.0	256.8	0.2	0.1	1,822.6	262.9	0.2	0.1	1,823.0	266.9	0.2	0.1	1,826.0	298.5	0.6	0.1	29
30	1,822.0	256.8	0.2	0.1	1,822.6	262.9	0.2	0.1	1,823.0	266.9	0.2	0.1	1,826.1	299.6	0.6	0.1	30
31	1,822.0	256.8	0.2	0.1					1,823.0	266.9	0.2	0.1	1,826.2	300.7	0.6	0.1	31
TOTAL			8.8	3.6			8.2	3.0			8.0	3.1			22.8	3.1	
Inf. Ac. Ft.			17.5				16.3				15.9				45.2	94.9	
Outf. Ac. Ft.			7.1 + (4.6)				6.0 + (4.2)				6.1 + (5.8)				6.1 + (5.4)	25.3 + (20.0)	
MAXIMUM Mean Daily Inflow			0.5				1.1				0.3				6.5	6.5	
Minimum Mean Daily Inflow			0.2				0.1				0.2				0.2	0.1	
Storage Change			+ 5.9				+ 6.1				+ 4.0				+ 33.8	+ 49.8	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,841.0	feet	on	5/25 & 26/64	Storage	496.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	1,756.4	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	E. K. BARR	Dam Tender	Gage Hts. copied RAP AJF
Max. Peak Inf.	56.2	C. F. S. from	4:00 A.M.	on 1/22/64	to	4:15 A.M.	on 1/22/64	J. R. HYDE	Hydrographer	Storage applied RAP AJF
Max. Peak Outf.	117.	C. F. S. from	9:00 A.M.	on 6/15/64	to	9:15 A.M.	on 6/15/64		Hydrographer	Inf. & Outf. comp. RAP FM

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES
{ INDICATES AVERAGE FOR PERIOD

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In Pacoima Canyon for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4,580.8 Ac. Ft. at Spillway Elev. 1,950.0 Ft. as of May 1962 Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,826.3	301.8	0.6	0.1	1,827.7	317.4	0.4	0.1	1,831.2	359.1	8.3	0.1	1,839.0	466.2	1.1	0.1	1
2	1,826.4	302.9	0.6	0.1	1,827.7	317.4	0.4	0.1	1,832.2	371.8	6.6	0.1	1,839.2	469.2	1.8	0.1	2
3	1,826.4	302.9	0.6	0.1	1,827.8	318.5	0.4	0.1	1,832.9	380.9	4.8	0.1	1,839.3	470.7	1.0	0.1	3
4	1,826.4	302.9	0.6	0.1	1,827.8	318.5	0.4	0.1	1,833.5	388.8	4.1	0.1	1,839.4	472.2	1.1	0.1	4
5	1,826.4	302.9	0.5	0.1	1,827.9	319.7	0.4	0.1	1,834.0	395.4	3.6	0.1	1,839.5	473.7	0.9	0.1	5
6	1,826.5	304.0	0.5	0.1	1,827.9	319.7	0.4	0.1	1,834.5	402.2	3.6	0.1	1,839.6	475.2	1.0	0.1	6
7	1,826.6	305.1	0.5	0.1	1,828.0	320.8	0.5	0.1	1,834.9	407.6	2.9	0.1	1,839.8	478.2	1.7	0.1	7
8	1,826.6	305.1	0.5	0.1	1,828.0	320.8	0.5	0.1	1,835.2	411.8	2.3	0.1	1,839.9	479.7	1.0	0.1	8
9	1,826.7	306.2	0.5	0.1	1,828.0	320.8	0.5	0.1	1,835.5	415.9	2.3	0.1	1,840.1	482.7	1.7	0.1	9
10	1,826.8	307.3	0.5	0.1	1,828.1	322.0	0.5	0.1	1,835.7	418.7	1.6	0.1	1,840.2	484.3	1.0	0.1	10
11	1,826.8	307.3	0.5	0.1	1,828.1	322.0	0.5	0.1	1,835.9	421.4	1.6	0.1	1,840.3	485.8	0.9	0.1	11
12	1,826.8	307.3	0.5	0.1	1,828.2	323.1	0.5	0.1	1,836.1	424.2	1.6	0.1	1,840.3	485.8	0.2	0.1	12
13	1,826.8	307.3	0.5	0.1	1,828.3	324.3	0.5	0.1	1,836.3	427.1	1.3	0.1	1,840.4	487.4	1.0	0.1	13
14	1,826.9	308.4	0.5	0.1	1,828.3	324.3	0.5	0.1	1,836.4	428.5	1.2	0.1	1,840.4	487.4	0.2	0.1	14
15	1,826.9	308.4	0.5	0.1	1,828.3	324.3	0.5	0.1	1,836.6	431.3	1.2	0.1	1,840.4	487.4	0.2	0.1	15
16	1,827.0	309.5	0.5	0.1	1,828.4	325.4	0.5	0.1	1,836.7	432.7	1.2	0.1	1,840.5	488.9	1.0	0.1	16
17	1,827.0	309.5	0.5	0.1	1,828.4	325.4	0.5	0.1	1,836.8	434.2	1.2	0.1	1,840.5	488.9	0.2	0.1	17
18	1,827.0	309.5	0.5	0.1	1,828.4	325.4	0.5	0.1	1,837.0	437.0	1.6	0.1	1,840.6	490.4	1.0	0.1	18
19	1,827.0	309.5	0.4	0.1	1,828.5	326.6	0.5	0.1	1,837.2	439.9	1.7	0.1	1,840.7	492.0	1.0	0.1	19
20	1,827.1	310.6	0.4	0.1	1,828.5	326.6	0.5	0.1	1,837.4	442.8	1.7	0.1	1,840.7	492.0	0.2	0.1	20
21	1,827.1	310.6	0.4	0.1	1,828.6	327.8	0.5	0.1	1,837.6	445.6	1.6	0.1	1,840.8	493.5	0.9	0.1	21
22	1,827.2	311.8	0.4	0.1	1,828.9	331.2	1.9	0.1	1,837.8	448.5	1.6	0.1	1,840.8	493.5	0.2	0.1	22
23	1,827.2	311.8	0.4	0.1	1,829.2	334.8	2.0	0.1	1,837.9	450.0	1.1	0.1	1,840.9	495.1	1.0	0.1	23
24	1,827.2	311.8	0.4	0.1	1,829.2	334.8	0.7	0.1	1,838.1	452.9	1.1	0.1	1,840.9	495.1	0.2	0.1	24
25	1,827.3	312.9	0.4	0.1	1,829.3	336.0	0.7	0.1	1,838.2	454.4	1.1	0.1	1,841.0	496.6	1.0	0.1	25
26	1,827.4	314.0	0.4	0.1	1,829.4	337.2	0.6	0.1	1,838.3	455.8	1.1	0.1	1,840.1	482.7	0.3	7.2	26
27	1,827.4	314.0	0.4	0.1	1,829.5	338.4	0.6	0.1	1,838.4	457.3	1.1	0.1	1,838.6	460.3	2.2	13.4	27
28	1,827.5	315.2	0.4	0.1	1,829.6	339.5	0.6	0.1	1,838.5	458.8	0.9	0.1	1,836.9	435.6	4.1	16.5	28
29	1,827.6	316.3	0.4	0.1	1,829.7	340.7	0.6	0.1	1,838.7	461.8	1.7	0.1	1,834.8	406.3	3.5	18.1	29
30					1,829.7	340.7	0.6	0.1	1,838.9	464.7	1.7	0.1	1,832.4	374.4	3.3	19.3	30
31					1,829.9	343.1	1.4	0.1					1,830.0	344.3	3.5	18.6	31
TOTAL			13.8	2.9			19.6	3.1			67.4	3.0			38.4	95.6	
Inf. Ac. Ft.			27.4				38.9				133.7				76.2	371.1	
Outf. Ac. Ft.			5.8 + (6.0)				6.1 + (6.0)				6.0 + (6.1)				189.6 + (6.9)	232.8+(45.0)	
MAXIMUM Mean Daily Inflow			0.6				2.0				8.3				4.1	8.3	
Minimum Mean Daily Inflow			0.4				0.4				0.9				0.2	0.1	
Storage Change			+ 15.6				+ 26.8				+ 121.6				- 120.4	+ 93.4	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,841.0	feet	on	5/25 & 26/64	Storage	496.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	1,756.4	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	E. K. BARR	Dam Tender	Gage Hts. copied FM RAP
Max. Peak Inf.	56.2	C. F. S. from	4:00 A.M.	on 1/22/64	to	4:15 A.M.	on 1/22/64	J. R. HYDE	Hydrographer	Storage applied FM RAP
Max. Peak Outf.	117.	C. F. S. from	9:00 A.M.	on 6/15/64	to	9:15 A.M.	on 6/15/64		Hydrographer	Inf. & Outf. comp. FM RAP

REMARKS ( ) INDICATES EVAPORATION ANDOTHER LOSSES
{ INDICATES AVERAGE FOR PERIOD

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In Pacoima Canyon for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4,580.8 Ac. Ft. at Spillway Elev. 1,950.0 Ft. as of May 1962 Gage Heights Read Daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,827.3	312.9	2.1	17.9	1,756.4	0	0.5	0.5	1,756.4	0	0.4	0.4	1,773.1	6.9	0.4	0.1	1
2	1,824.5	282.4	2.5	17.9			0.2	0.2			0.4	0.4	1,773.4	7.2	0.3	0.1	2
3	1,821.6	252.9	3.0	17.9			0.2	0.2			0.4	0.4	1,773.7	7.5	0.2	0.1	3
4	1,818.5	223.2	2.2	17.2			0.3	0.3			0.4	0.4	1,773.9	7.7	0.2	0.1	4
5	1,815.2	193.7	2.4	17.2			0.4	0.4			0.4	0.4	1,774.0	7.8	0.2	0.1	5
6	1,811.7	164.5	2.5	17.2			0.4	0.4			0.4	0.4	1,774.0	7.8	0.1	0.1	6
7	1,807.9	135.3	2.4	17.2			0.5	0.5			0.4	0.4	1,774.2	8.0	0.2	0.1	7
8	1,803.7	106.6	2.8	17.2			0.5	0.5			0.3	0.3	1,774.4	8.2	0.2	0.1	8
9	1,798.9	78.8	3.1	17.2			0.5	0.5			0.3	0.3	1,774.6	8.4	0.2	0.1	9
10	1,793.3	52.1	3.1	16.5			0.5	0.5			0.3	0.3	1,774.8	8.6	0.2	0.1	10
11	1,786.0	27.9	3.6	15.8			0.5	0.5			0.3	0.3	1,774.9	8.7	0.1	0.1	11
12	1,778.4	13.2	3.1	10.5			0.5	0.5			0.4	0.4	1,775.1	8.9	0.2	0.1	12
13	1,779.6	15.1	1.0	0.1			0.5	0.5	1,756.4	0	0.4	0.4	1,775.3	9.2	0.3	0.1	13
14	1,780.6	16.8	1.0	0.1			0.5	0.5	1,758.0	+	0.2	0.2	1,775.4	9.3	0.1	0.1	14
15	1,756.4	0	0.7	9.2			0.5	0.5	1,761.4	0.6	0.4	0.1	1,775.8	9.7	0.3	0.1	15
16			1.3	1.3			0.5	0.5	1,763.0	1.0	0.3	0.1	1,776.1	10.1	0.3	0.1	16
17			1.0	1.0			0.5	0.5	1,764.0	1.3	0.3	0.1	1,776.3	10.3	0.2	0.1	17
18			0.9	0.9			0.5	0.5	1,765.2	1.7	0.3	0.1	1,776.4	10.5	0.2	0.1	18
19			0.9	0.9			0.5	0.5	1,765.9	2.0	0.2	0.1	1,776.6	10.7	0.2	0.1	19
20			0.8	0.8			0.5	0.5	1,766.6	2.4	0.3	0.1	1,776.9	11.1	0.3	0.1	20
21			0.8	0.8			0.5	0.5	1,767.8	3.0	0.4	0.1	1,777.1	11.3	0.2	0.1	21
22			0.7	0.7			0.5	0.5	1,768.0	3.1	0.2	0.1	1,777.3	11.6	0.3	0.1	22
23			0.7	0.7			0.5	0.5	1,768.6	3.5	0.3	0.1	1,777.3	11.6	0.1	0.1	23
24			0.7	0.7			0.5	0.5	1,769.1	3.8	0.2	0.1	1,777.4	11.8	0.2	0.1	24
25			0.7	0.7			0.5	0.5	1,769.5	4.0	0.2	0.1	1,777.5	11.9	0.1	0.1	25
26			1.3	1.3			0.5	0.5	1,770.1	4.4	0.3	0.1	1,777.6	12.0	0.2	0.1	26
27			1.3	1.3			0.5	0.5	1,770.5	4.7	0.3	0.1	1,777.7	12.2	0.2	0.1	27
28			1.0	1.0			0.5	0.5	1,771.0	5.1	0.3	0.1	1,777.8	12.3	0.1	0.1	28
29			0.9	0.9			0.4	0.4	1,771.5	5.5	0.3	0.1	1,778.0	12.6	0.3	0.1	29
30	1,756.4	0	0.8	0.8			0.4	0.4	1,772.0	5.9	0.3	0.1	1,778.0	12.6	0.1	0.1	30
31					1,756.4	0	0.4	0.4	1,772.5	6.3	0.3	0.1					31
TOTAL			49.3	222.9			14.2	14.2			9.9	6.7			6.2	3.0	
Inf. Ac. Ft.			97.8				28.2				19.6				12.3	529.2	
Outf. Ac. Ft.			442.1				28.2				13.3				6.0	722.4+(45.0)	
Maximum Mean Daily Inflow			3.2				0.5				0.4				0.4	8.3	
Minimum Mean Daily Inflow			0.7				0.2				0.3				0.1	0.1	
Storage Change	− 344.3					0				+ 6.3				+ 6.3		− 238.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,841.0	feet	on	5/25 & 26/64	Storage	496.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,756.4	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	E. K. BARR	Dam Tender	Gage Hts. copied	FM	RAP
Max. Peak Inf.	56.2	C. F. S. from	4:00 A.M.	on	1/22/64	to	4:15 A.M.	on	1/22/64	J. R. HYDE	Hydrographer	Storage applied	FM	RAP
Max. Peak Outf.	117.	C. F. S. from	9:00 A.M.	on	6/15/64	to	9:15 A.M.	on	6/15/64		Hydrographer	Inf. & Outf. comp.	FM	RAP

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES
〈 INDICATES AVERAGE FOR PERIOD

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In Pacoima Canyon for the Year Ending September 30, 1965

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4580.8 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of May 1962 Gage Heights Read Daily

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,778.0	12.6	0.1	0.1	1/ 1,780.1	15.7	0.2	0.1	1,783.8	23.0	0.2	0.1	1,786.3	28.7	0.3	0.1	1
2	1,778.0	12.6	0.1	0.1	1,780.2	16.1	0.3	0.1	1,783.8	23.0	0.1	0.1	1,786.4	28.9	0.2	0.1	2
3	1,778.0	12.6	0.1	0.1	1,780.3	16.2	0.2	0.1	1,783.9	23.2	0.2	0.1	1,786.5	29.2	0.2	0.1	3
4	1,778.0	12.6	0.1	0.1	1,780.5	16.6	0.4	0.1	1,784.0	23.4	0.2	0.1	1,786.5	29.2	0.1	0.1	4
5	1,778.0	12.6	0.1	0.1	1,780.6	16.8	0.3	0.1	1,784.0	23.4	0.1	0.1	1,786.6	29.5	0.3	0.1	5
6	1,778.0	12.6	0.1	0.1	1,780.7	17.0	0.3	0.1	1,784.1	23.6	0.2	0.1	1,786.6	29.5	0.1	0.1	6
7	1,778.0	12.6	0.1	0.1	1,780.8	17.1	0.2	0.1	1,784.1	23.6	0.1	0.1	1,786.7	29.7	0.2	0.1	7
8	1,778.0	12.6	0.1	0.1	1,780.9	17.3	0.2	0.1	1,784.2	23.8	0.2	0.1	1,786.8	30.0	0.2	0.1	8
9	1,778.0	12.6	0.1	0.1	1,781.7	18.8	0.9	0.1	1,784.2	23.8	0.1	0.1	1,786.8	30.0	0.1	0.1	9
10	1,778.0	12.6	0.1	0.1	1,782.0	19.3	0.3	0.1	1,784.3	24.0	0.2	0.1	1,786.8	30.0	0.1	0.1	10
11	1,778.0	12.6	0.1	0.1	1,782.2	19.7	0.3	0.1	1,784.3	24.0	0.1	0.1	1,786.9	30.2	0.2	0.1	11
12	1,778.0	12.6	0.2	0.1	1,782.3	19.9	0.2	0.1	1,784.3	24.0	0.2	0.1	1,786.9	30.2	0.1	0.1	12
13	1,778.0	12.6	0.2	0.1	1,782.4	20.1	0.2	0.1	1,784.3	24.0	0.2	0.1	1,787.0	30.5	0.3	0.1	13
14	1,778.0	12.6	0.2	0.1	1,782.5	20.3	0.2	0.1	1,784.3	24.0	0.2	0.1	1,787.0	30.5	0.1	0.1	14
15	1,778.1	12.8	0.3	0.1	1,782.6	20.5	0.2	0.1	1,784.4	24.2	0.2	0.1	1,787.1	30.8	0.2	0.1	15
16	1,778.2	12.9	0.3	0.1	1,782.6	20.5	0.1	0.1	1,784.4	24.2	0.1	0.1	1,787.2	31.1	0.4	0.1	16
17	1/ 1,778.3	13.0	0.1	0.1	1,782.7	20.7	0.2	0.1	1,784.4	24.2	0.1	0.1	1,787.3	31.3	0.3	0.1	17
18	1,778.4	13.2	0.2	0.1	1,782.8	20.9	0.2	0.1	1,784.5	24.4	0.2	0.1	1,787.3	31.3	0.1	0.1	18
19	1,778.5	13.4	0.2	0.1	1,782.9	21.1	0.2	0.1	1,784.6	24.7	0.3	0.1	1,787.4	31.6	0.2	0.1	19
20	1,778.6	13.5	0.2	0.1	1,783.0	21.3	0.2	0.1	1,784.8	25.1	0.3	0.1	1,787.4	31.6	0.1	0.1	20
21	1,778.7	13.6	0.1	0.1	1,783.0	21.3	0.1	0.1	1,784.9	25.3	0.2	0.1	1,787.5	31.9	0.3	0.1	21
22	1,778.8	13.8	0.2	0.1	1,783.2	21.7	0.3	0.1	1,785.0	25.5	0.2	0.1	1,787.6	32.2	0.2	0.1	22
23	1,778.9	14.0	0.2	0.1	1,783.2	21.7	0.1	0.1	1,785.1	25.7	0.2	0.1	1,787.7	32.5	0.3	0.1	23
24	1,779.0	14.1	0.2	0.1	1,783.3	21.9	0.2	0.1	1,785.2	26.0	0.2	0.1	1,787.8	32.7	0.2	0.1	24
25	1,779.1	14.3	0.2	0.1	1,783.4	22.1	0.2	0.1	1,785.2	26.0	0.1	0.1	1,787.8	32.7	0.1	0.1	25
26	1,779.2	14.4	0.1	0.1	1,783.4	22.1	0.1	0.1	1,785.3	26.2	0.2	0.1	1,787.9	33.0	0.3	0.1	26
27	1,779.5	14.9	0.4	0.1	1,783.5	22.4	0.3	0.1	1,785.9	27.7	0.9	0.1	1,788.0	33.3	0.4	0.1	27
28	1,779.6	15.1	0.2	0.1	1,783.6	22.6	0.2	0.1	1,786.0	27.9	0.2	0.1	1,788.1	33.6	0.3	0.1	28
29	1,779.7	15.2	0.1	0.1	1,783.7	22.8	0.2	0.1	1,786.1	28.2	0.2	0.1	1,788.2	33.9	0.3	0.1	29
30	1,779.8	15.4	0.2	0.1	1,783.7	22.8	0.1	0.1	1,786.1	28.2	0.1	0.1	1,788.3	34.2	0.2	0.1	30
31	1/ 1,779.9	15.5	0.2	0.1					1,786.2	28.4	0.2	0.1	1,788.3	34.2	0.1	0.1	31
TOTAL			5.1	3.1			7.1	3.0			6.2	3.1			6.5	3.1	
Inf. Ac. Ft.			10.1				14.1				12.3				12.9	49.4	
Outf. Ac. Ft.			6.1 + (1.0)				6.0 + (0.8)				6.1 + (0.6)				6.1 + (1.0)	24.3 + (3.4)	
Maximum Mean Daily Inflow			0.4				0.9				0.9				0.4	0.9	
Minimum Mean Daily Inflow			0.1				0.1				0.1				0.1	0.1	
Storage Change	+ 2.9					+ 7.3				+ 5.6				+ 5.8		+ 21.6	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,865.7	feet	on	5/7/65	Storage	983.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,778.0	feet	on	VARIOUS DAYS	Storage	12.6	Acre Feet	E. K. BARR	Dam Tender	Gage Hts. copied	FM	JH
Max. Peak Inf.	159.7	C. F. S. from	9:30 P.M.	on	4/9/65	to	9:45 P.M.	on	4/9/65	J. R. HYDE	Hydrographer	Storage applied	FM	JH
Max. Peak Outf.	5.3	C. F. S. from	6:00 P.M.	on	5/7/65	to	8:00 A.M.	on	5/8/65		Hydrographer	Inf. & Outf. comp.	FM	JH

REMARKS

1/ CHART RECORD UNRELIABLE DUE TO PLUGGED COMMUNICATIONS PIPE.
A STORAGE GAIN OF + 2.1 A.F. OCCURRED DURING THE PERIOD 10/17/64 TO 11/2/64, GAGE HEIGHTS ESTIMATED.

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In Pacoima Canyon for the Year Ending September 30, 19 65

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4,580.8 Ac. Ft. at Spillway Elev. 1,950.0 Ft. as of May 19 62 Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1,788.4	34.5	0.3	0.1	1,790.3	40.6	0.4	0.1	1,794.1	55.4	1.7	0.1	1,864.1	945.8	5.0	0.1	1
2	1,788.5	34.8	0.2	0.1	1,790.4	41.0	0.4	0.1	1,794.5	57.2	1.1	0.1	1,864.4	952.9	3.9	0.1	2
3	1,788.6	35.1	0.3	0.1	1,790.5	41.4	0.4	0.1	1,795.0	59.5	1.3	0.1	1,864.8	962.2	5.0	0.1	3
4	1,788.6	35.1	0.1	0.1	1,790.6	41.7	0.2	0.1	1,797.2	70.0	5.5	0.1	1,865.1	969.3	3.8	0.1	4
5	1,788.8	35.7	0.4	0.1	1,790.7	42.0	0.3	0.1	1,799.4	81.5	6.0	0.1	1,865.4	976.4	3.9	0.1	5
6	1,788.9	36.0	0.2	0.1	1,790.8	42.4	0.3	0.1	1,801.1	90.9	5.0	0.1	1,865.6	981.2	2.7	0.1	6
7	1,789.0	36.3	0.3	0.1	1,791.0	43.1	0.4	0.1	1,803.2	103.5	6.5	0.1	1,865.7	983.6	2.9	1.5	7
8	1,789.1	36.6	0.2	0.1	1,791.1	43.5	0.3	0.1	1,808.8	141.9	19.6	0.1	1,865.5	978.8	3.0	5.2	8
9	1,789.1	36.6	0.1	0.1	1,791.2	43.8	0.3	0.1	1,822.5	261.8	60.6	0.1	1,865.3	974.0	3.0	5.2	9
10	1,789.2	37.0	0.3	0.1	1,791.3	44.2	0.3	0.1	1,834.3	399.5	69.6	0.1	1,865.1	969.3	3.0	5.2	10
11	1,789.3	37.3	0.3	0.1	1,791.4	44.6	0.3	0.1	1,839.5	473.7	37.7	0.1	1,864.9	964.6	3.1	5.2	11
12	1,789.4	37.6	0.2	0.1	1,791.5	45.0	0.3	0.1	1,842.9	526.4	26.7	0.1	1,864.7	959.9	3.0	5.2	12
13	1,789.4	37.6	0.1	0.1	1,791.6	45.3	0.2	0.1	1,845.5	569.0	21.7	0.1	1,864.5	955.2	3.0	5.2	13
14	1,789.5	38.0	0.3	0.1	1,791.7	45.7	0.3	0.1	1,847.6	605.2	18.5	0.1	1,864.3	950.5	3.1	5.2	14
15	1,789.6	38.3	0.4	0.1	1,791.8	46.1	0.3	0.1	1,849.6	641.1	18.3	0.1	1,864.1	945.8	3.0	5.2	15
16	1,789.6	38.3	0.2	0.1	1,791.9	46.4	0.3	0.1	1,851.5	676.5	18.0	0.1	1,863.8	938.9	1.9	4.9	16
17	1,789.7	38.6	0.3	0.1	1,792.0	46.8	0.3	0.1	1,853.2	709.4	16.8	0.1	1,863.6	934.2	1.8	4.6	17
18	1,789.8	38.9	0.4	0.1	1,792.1	47.2	0.3	0.1	1,854.7	739.3	15.3	0.1	1,863.4	929.6	1.8	4.6	18
19	1,789.8	38.9	0.2	0.1	1,792.2	47.6	0.3	0.1	1,856.1	768.1	14.7	0.1	1,863.1	922.6	1.8	4.6	19
20	1,789.8	38.9	0.2	0.1	1,792.3	48.0	0.4	0.1	1,857.3	793.4	12.9	0.1	1,862.8	915.7	1.8	4.6	20
21	1,789.8	38.9	0.1	0.1	1,792.4	48.4	0.4	0.1	1,858.4	817.1	12.2	0.1	1,862.6	911.1	1.8	4.6	21
22	1,789.9	39.3	0.3	0.1	1,792.5	48.8	0.4	0.1	1,859.4	839.0	11.2	0.1	1,862.3	904.2	1.8	4.6	22
23	1,789.9	39.3	0.2	0.1	1,792.6	49.2	0.4	0.1	1,860.1	854.5	8.0	0.1	1,862.1	899.6	1.8	4.6	23
24	1,790.0	39.6	0.2	0.1	1,792.7	49.6	0.3	0.1	1,860.9	872.5	9.3	0.1	1,861.8	892.8	1.8	4.6	24
25	1,790.0	39.6	0.1	0.1	1,792.8	50.0	0.3	0.1	1,861.5	886.0	7.1	0.1	1,861.5	886.0	1.8	4.6	25
26	1,790.1	40.0	0.3	0.1	1,792.9	50.4	0.3	0.1	1,862.1	899.6	7.2	0.1	1,861.2	879.2	1.5	4.6	26
27	1,790.2	40.3	0.3	0.1	1,793.0	50.8	0.3	0.1	1,862.6	911.1	6.0	0.1	1,861.0	874.7	1.4	4.4	27
28	1,790.2	40.3	0.1	0.1	1,793.1	51.2	0.3	0.1	1,863.0	920.3	4.8	0.1	1,860.7	868.0	1.3	4.4	28
29					1,793.2	51.6	0.3	0.1	1,863.4	929.6	4.9	0.1	1,860.3	859.0	1.3	4.4	29
30					1,793.3	52.1	0.3	0.1	1,863.7	936.5	3.7	0.1	1,860.0	852.3	1.3	4.4	30
31					1,793.4	52.5	0.4	0.1					1,859.8	847.9	1.3	4.4	31
TOTAL			6.6	2.8			10.0	3.1			451.9	3.0			77.6	116.6	
Inf. Ac. Ft.			13.1				19.8				896.3				159.9	1,132.6	
Outf. Ac. Ft.			5.6 + (1.4)				6.1 + (1.4)				6.0 + (6.3)			231.3 + (11.3)		273.3 + (23.8)	
MEAN Mean Daily Inflow			0.4				0.4				69.6				5.0	69.6	
Minimum Mean Daily Inflow			0.1				0.2				1.1				1.3	0.1	
Storage Change		+ 6.1				+ 12.2				+ 884.0				- 88.6		+ 835.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,865.7	feet	on	5/7/65	Storage	983.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,778.0	feet	on	VARIOUS DAYS	Storage	12.6	Acre Feet	E. K. BARR	Dam Tender	Gage Hts. copied	JRH FM	
Max. Peak Inf.	159.7	C.F.S. from	9:30 P.M.	on 4/9/65	to	9:45 P.M.	on 4/9/65	J. R. HYDE	Hydrographer	Storage applied	FM JRH	
Max. Peak Outf.	5.3	C.F.S. from	6:00 P.M.	on 5/7/65	to	8:00 A.M.	on 5/8/65		Hydrographer	Inf. & Outf. comp.	FM JRH	

REMARKS (INDICATES AVERAGE FOR PERIOD

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In Pacoima Canyon for the Year Ending September 30, 19 65

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4,580.8 Ac. Ft. at Spillway Elev. 1,950.0 Ft. as of May 19 62 Gage Heights Read Daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1,859.5	841.2	1.0	4.3	1,849.4	637.4	0.8	4.2	1,836.2	425.6	0.7	4.0	1,818.2	220.5	0.8	3.9	1
2	1,859.2	834.6	1.1	4.3	1,849.0	630.1	0.8	4.2	1,835.7	418.7	0.7	4.0	1,817.4	213.2	0.7	3.9	2
3	1,858.9	828.0	1.1	4.3	1,848.7	624.7	0.8	4.2	1,835.2	411.8	0.7	4.0	1,817.0	209.6	0.7	2.8	3
4	1,858.6	821.5	1.1	4.3	1,848.2	615.8	0.8	4.2	1,834.7	404.9	0.7	4.0	1,817.0	209.6	0.7	0.2	4
5	1,858.3	814.9	1.1	4.3	1,847.8	608.7	0.8	4.2	1,834.2	398.1	0.7	4.0	1,817.1	210.5	0.7	0.1	5
6	1,858.0	808.4	1.1	4.3	1,847.4	601.6	0.8	4.2	1,833.6	390.1	0.7	4.0	1,817.3	212.3	0.6	0.1	6
7	1,857.7	802.0	1.2	4.3	1,847.0	594.6	0.8	4.2	1,833.1	383.5	0.7	4.0	1,817.3	212.3	0.6	0.1	7
8	1,857.4	795.6	1.1	4.3	1,846.6	587.7	0.8	4.2	1,832.6	377.0	0.7	4.0	1,817.4	213.2	0.6	0.1	8
9	1,857.1	789.1	1.2	4.3	1,846.2	580.8	0.8	4.2	1,832.1	370.5	0.7	4.0	1,817.4	213.2	0.5	0.1	9
10	1,856.7	780.7	0.9	4.3	1,845.8	574.0	0.8	4.2	1,831.6	364.2	0.7	4.0	1,817.5	214.1	0.5	0.1	10
11	1,856.4	774.4	0.9	4.3	1,845.4	567.3	0.8	4.1	1,831.0	356.6	0.7	4.0	1,817.5	214.1	0.5	0.1	11
12	1,856.1	768.1	0.9	4.3	1,845.0	560.6	0.8	4.0	1,830.5	350.4	0.7	4.0	1,817.6	215.0	0.5	0.1	12
13	1,855.8	761.9	0.9	4.3	1,844.6	554.0	0.8	4.0	1,829.9	343.1	0.7	4.0	1,817.6	215.0	0.5	0.1	13
14	1,855.4	753.6	0.9	4.3	1,844.1	545.8	0.8	4.0	1,829.4	337.2	0.8	4.0	1,817.7	215.9	0.5	0.1	14
15	1,855.1	747.5	0.9	4.3	1,843.7	539.3	0.8	4.0	1,828.8	330.1	0.8	4.0	1,817.7	215.9	0.4	0.1	15
16	1,854.7	739.3	0.9	4.3	1,843.3	532.9	0.8	4.0	1,828.3	324.3	0.8	4.0	1,817.8	216.8	0.4	0.1	16
17	1,854.4	733.3	0.9	4.2	1,842.9	526.4	0.8	4.0	1,827.7	317.4	0.8	4.0	1,817.8	216.8	0.4	0.1	17
18	1,854.1	727.2	0.9	4.2	1,842.4	518.5	0.8	4.0	1,827.2	311.8	0.8	4.0	1,817.9	217.7	0.4	0.1	18
19	1,853.8	721.2	0.8	4.2	1,842.0	512.2	0.8	4.0	1,826.6	305.1	0.8	4.0	1,818.0	218.6	0.4	0.1	19
20	1,853.4	713.3	0.8	4.2	1,841.5	504.4	0.8	4.0	1,826.0	298.5	0.8	4.0	1,818.1	219.5	0.4	0.1	20
21	1,853.1	707.4	1.0	4.2	1,841.1	498.2	0.8	4.0	1,825.4	292.0	0.8	4.0	1,818.1	219.5	0.4	0.1	21
22	1,852.8	701.5	1.1	4.2	1,840.7	492.0	0.8	4.0	1,824.8	285.6	0.8	4.0	1,818.2	220.5	0.4	0.1	22
23	1,852.4	693.8	1.1	4.2	1,840.3	485.8	0.8	4.0	1,824.2	279.3	0.8	4.0	1,818.2	220.5	0.4	0.1	23
24	1,852.0	686.0	1.1	4.2	1,839.8	478.2	0.8	4.0	1,823.6	273.1	0.8	4.0	1,818.2	220.5	0.4	0.1	24
25	1,851.7	680.3	1.1	4.2	1,839.4	472.2	0.8	4.0	1,823.0	266.9	0.8	4.0	1,818.3	221.4	0.4	0.1	25
26	1,851.3	672.7	0.9	4.2	1,838.9	464.7	0.7	4.0	1,822.3	259.8	0.8	3.9	1,818.3	221.4	0.3	0.1	26
27	1,851.0	667.0	0.8	4.2	1,838.4	457.3	0.7	4.0	1,821.6	252.9	0.8	3.9	1,818.3	221.4	0.2	0.1	27
28	1,850.6	659.6	0.8	4.2	1,839.0	451.4	0.7	4.0	1,821.0	247.0	0.8	3.9	1,818.3	221.4	0.2	0.1	28
29	1,850.2	652.1	0.8	4.2	1,837.5	444.2	0.7	4.0	1,820.3	240.2	0.8	3.9	1,818.4	222.3	0.2	0.1	29
30	1,849.8	644.7	0.8	4.2	1,837.1	438.4	0.7	4.0	1,819.6	233.5	0.8	3.9	1,818.4	222.3	0.2	0.1	30
31					1,836.6	431.3	0.7	4.0	1,818.8	226.0	0.8	3.9					31
TOTAL			29.2	127.6			24.2	126.1			23.5	123.4			13.9	13.4	
Inf. Ac. Ft.			57.9				48.0				46.6				27.6	1,312.6	
Outf. Ac. Ft.			253.1 + (7.9)				250.1 + (11.3)				244.8 + (7.1)			26.6 + (4.8)		1,047.9 + (54.9)	
MEAN Mean Daily Inflow			1.2				0.8				0.8				0.8	69.6	
Minimum Mean Daily Inflow			0.8				0.7				0.7				0.2	0.1	
Storage Change		- 203.2				- 213.4				- 205.3				- 3.7		+ 209.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,865.7	feet	on	5/7/65	Storage	983.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,778.0	feet	on	VARIOUS DAYS	Storage	12.6	Acre Feet	E. K. BARR	Dam Tender	Gage Hts. copied	FM JL	
Max. Peak Inf.	159.7	C.F.S. from	9:30 P.M.	on 4/9/65	to	9:45 P.M.	on 4/9/65	J. R. HYDE	Hydrographer	Storage applied	FM JL	
Max. Peak Outf.	5.3	C.F.S. from	6:00 P.M.	on 5/7/65	to	8:00 A.M.	on 5/8/65		Hydrographer	Inf. & Outf. comp.	FM JL	

REMARKS (INDICATES AVERAGE FOR PERIOD

76D136N-688 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In Big Tujunga Canyon for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4,064.7 Ac. Ft. at Spillway Elev. 2,290.0 Ft. as of July 1962 Gage Heights Read Daily

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	2,211.1	501.5	0.7	6.2	2,189.4	192.5	1.2	5.3	2,190.3	202.2	1.8	0.1	2196.9	282.2	1.5	0.1	1
2	2,210.5	490.6	0.7	6.2	2,188.6	184.2	1.1	5.0	2,190.5	204.4	1.2	0.1	2197.1	284.8	1.4	0.1	2
3	2,209.7	476.4	0.7	6.2	2,187.9	177.1	1.1	5.0	2,190.7	206.5	1.1	0.1	2197.3	287.5	1.4	0.1	3
4	2,209.1	465.9	0.7	6.2	2,187.1	169.3	1.1	5.0	2,191.0	209.8	1.8	0.1	2197.5	290.2	1.5	0.1	4
5	2,208.4	454.1	0.7	6.2	2,186.3	161.6	1.1	4.7	2,191.2	212.1	1.3	0.1	2197.7	292.9	1.5	0.1	5
6	2,207.8	444.0	0.7	6.2	2,185.6	155.2	1.5	4.7	2,191.4	214.4	1.2	0.1	2197.9	295.6	1.4	0.1	6
7	2,207.1	432.4	0.7	6.2	2,185.0	149.8	0.8	3.3	2,191.6	216.6	1.2	0.1	2198.1	298.3	1.5	0.1	7
8	2,206.4	421.0	0.7	6.2	2,185.2	151.6	0.8	0.1	2,191.8	218.9	1.3	0.1	2198.3	301.0	1.4	0.1	8
9	2,205.7	409.8	0.6	6.2	2,185.3	152.5	0.8	0.1	2,192.0	221.2	1.2	0.1	2198.4	302.4	0.8	0.1	9
10	2,205.0	398.9	0.6	6.2	2,185.5	154.3	0.8	0.1	2,192.3	224.7	1.9	0.1	2198.6	305.1	1.5	0.1	10
11	2,204.3	388.0	0.6	6.2	2,185.6	155.2	0.7	0.1	2,192.5	227.1	1.3	0.1	2198.8	307.9	1.5	0.1	11
12	2,203.6	377.3	0.6	6.2	2,185.7	156.1	0.7	0.1	2,192.7	229.5	1.3	0.1	2199.0	310.6	1.5	0.1	12
13	2,202.9	366.7	0.6	6.2	2,185.8	157.0	0.6	0.1	2,192.9	231.8	1.3	0.1	2199.2	313.4	1.5	0.1	13
14	2,202.3	357.8	0.6	6.2	2,186.0	158.8	0.6	0.1	2,193.1	234.2	1.3	0.1	2199.4	316.2	1.5	0.1	14
15	2,201.6	347.6	0.6	6.2	2,186.2	160.7	1.1	0.1	2,193.4	237.8	1.9	0.1	2199.6	319.0	1.5	0.1	15
16	2,201.0	338.8	1.8	6.2	2,186.3	161.6	0.6	0.1	2,193.6	240.3	1.4	0.1	2199.8	321.8	1.5	0.1	16
17	2,200.3	328.9	0.9	5.9	2,186.4	162.6	0.6	0.1	2,193.8	242.7	1.3	0.1	2,200.0	324.6	1.5	0.1	17
18	2,199.6	319.0	0.9	5.9	2,186.5	163.6	0.5	0.1	2,194.0	245.1	1.3	0.1	2,200.3	328.9	2.3	0.1	18
19	2,198.9	309.2	0.9	5.9	2,186.7	165.4	1.1	0.1	2,194.2	247.6	1.4	0.1	2,200.5	331.7	1.5	0.1	19
20	2,198.2	299.6	0.9	5.9	2,187.3	171.2	3.0	0.1	2,194.5	251.3	1.9	0.1	2,200.8	336.0	2.3	0.1	20
21	2,197.5	290.2	0.9	5.9	2,187.6	174.2	1.6	0.1	2,194.7	253.8	1.4	0.1	2,203.2	371.2	17.8	0.1	21
22	2,196.8	280.9	0.9	5.6	2,188.0	178.1	1.5	0.1	2,194.9	256.3	1.3	0.1	2,207.2	434.0	31.8	0.1	22
23	2,196.1	271.6	0.9	5.6	2,188.3	181.2	1.5	0.1	2,195.1	258.8	1.4	0.1	2,208.2	450.7	8.5	0.1	23
24	2,195.4	262.6	0.9	5.3	2,188.6	184.2	1.5	0.1	2,195.3	261.3	1.4	0.1	2,208.8	460.8	5.1	0.1	24
25	2,194.7	253.8	0.9	5.3	2,188.9	187.3	1.5	0.1	2,195.5	263.9	1.4	0.1	2,209.4	471.2	5.4	0.1	25
26	2,193.9	243.9	0.9	5.3	2,189.1	189.4	1.5	0.1	2,195.7	266.5	1.4	0.1	2,209.8	478.1	3.5	0.1	26
27	2,193.2	235.4	0.9	5.3	2,189.3	191.5	1.5	0.1	2,195.9	269.0	1.3	0.1	2,210.2	485.2	3.7	0.1	27
28	2,192.5	227.1	0.8	5.3	2,189.6	194.7	1.5	0.1	2,196.1	271.6	1.5	0.1	2,210.6	492.4	3.7	0.1	28
29	2,191.7	217.8	0.8	5.3	2,189.8	196.8	1.4	0.1	2,196.3	274.3	1.4	0.1	2,210.9	497.8	2.9	0.1	29
30	2,190.9	208.7	0.8	5.3	2,190.0	198.9	1.4	0.1	2,196.5	276.9	1.4	0.1	2,211.2	503.3	2.8	0.1	30
31	2,190.1	200.0	0.8	5.3					2,196.7	279.5	1.4	0.1	2,211.5	508.9	3.0	0.1	31
TOTAL			24.7	182.3			34.7	35.3			43.7	3.1			118.7	3.1	
Inf. Ac. Ft.			49.0				68.8				86.7				235.4	439.9	
Outf. Ac. Ft.			361.6				70.0				6.1				443.8		
Maximum Mean Daily Inflow			1.8				3.0				1.9				31.8	31.8	
Minimum Mean Daily Inflow			0.6				0.5				1.1				0.8	0.5	
Storage Change		−312.6				− 1.1				+ 80.6				+ 229.4		− 3.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2,240.4	feet	on	5/21/64	Storage	1,259.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	2,142.5	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	W. R. CROKE	Dam Tender	Gage Hts. copied	RAP	FM
Max. Peak Inf.	89.6	C.F.S. from	4:30 A.M.	on	1/22/64	to	4:45 A.M.	on	1/22/64	J. R. HYDE	Hydrographer	Storage applied	RAP	FM
Max. Peak Outf.	51.4	C.F.S. from	4:12 P.M.	on	8/26/64	to	5:12 P.M.	on	8/26/64		Hydrographer	Inf. & Outf. comp.	FM	RAP

REMARKS (INDICATES AVERAGE FOR PERIOD

76D136N-688 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In Big Tujunga Canyon for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4,064.7 Ac. Ft. at Spillway Elev. 2,290.0 Ft. as of July 1962 Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	2,211.8	514.5	2.9	0.1	2,217.5	631.4	2.3	0.1	2,228.4	892.5	40.1	0.1	2237.6	1,163.9	3.4	0.1	1
2	2,212.0	518.2	2.0	0.1	2,217.8	637.9	3.4	0.1	2,230.0	935.7	21.9	0.1	2237.8	1,170.5	3.4	0.1	2
3	2,212.2	522.0	2.0	0.1	2,218.0	642.3	2.3	0.1	2,230.8	957.9	11.3	0.1	2237.9	1,173.7	1.7	0.1	3
4	2,212.4	525.9	2.1	0.1	2,218.1	644.5	1.2	0.1	2,231.4	974.9	8.7	0.1	2238.1	1,180.4	3.5	0.1	4
5	2,212.7	531.6	2.9	0.1	2,218.4	651.2	4.0	0.1	2,231.9	989.2	7.3	0.1	2238.3	1,187.1	3.5	0.1	5
6	2,212.9	535.5	2.1	0.1	2,218.5	653.4	0.7	0.1	2,232.2	997.8	4.4	0.1	2238.6	1,197.2	5.2	0.1	6
7	2,213.1	539.4	2.1	0.1	2,218.7	657.9	2.4	0.1	2,232.6	1,009.5	6.0	0.1	2238.8	1,204.0	3.5	0.1	7
8	2,213.3	543.3	2.0	0.1	2,218.9	662.4	2.3	0.1	2,232.9	1,018.3	4.6	0.1	2239.0	1,210.7	3.5	0.1	8
9	2,213.5	547.3	2.2	0.1	2,219.0	664.6	1.3	0.1	2,233.1	1,024.2	3.0	0.1	2239.2	1,217.6	3.6	0.1	9
10	2,213.7	551.3	2.1	0.1	2,219.2	669.1	2.3	0.1	2,233.4	1,033.1	4.6	0.1	2239.3	1,221.1	1.8	0.1	10
11	2,213.9	555.2	2.0	0.1	2,219.4	673.6	2.4	0.1	2,233.6	1,039.1	3.1	0.1	2239.5	1,228.0	3.6	0.1	11
12	2,214.1	559.3	2.2	0.1	2,219.6	678.2	2.4	0.1	2,233.9	1,048.0	4.6	0.1	2239.6	1,231.5	1.9	0.1	12
13	2,214.3	563.4	2.2	0.1	2,219.8	682.7	2.4	0.1	2,234.0	1,051.0	1.6	0.1	2239.7	1,234.9	1.8	0.1	13
14	2,214.5	567.5	2.1	0.1	2,220.0	687.2	2.4	0.1	2,234.2	1,057.1	3.2	0.1	2239.8	1,238.4	1.8	0.1	14
15	2,214.7	571.6	2.2	0.1	2,220.2	691.8	2.4	0.1	2,234.4	1,063.2	3.2	0.1	2239.9	1,241.8	1.9	0.1	15
16	2,214.9	575.7	2.2	0.1	2,220.4	696.4	2.4	0.1	2,234.6	1,069.2	3.1	0.1	2,240.0	1,245.3	1.8	0.1	16
17	2,215.1	579.9	2.2	0.1	2,220.5	698.7	1.2	0.1	2,234.8	1,075.3	3.2	0.1	2,240.1	1,248.8	1.9	0.1	17
18	2,215.3	584.1	2.2	0.1	2,220.6	701.0	1.3	0.1	2,235.0	1,081.4	3.2	0.1	2,240.2	1,252.4	1.9	0.1	18
19	2,215.5	588.4	2.3	0.1	2,220.8	705.6	2.4	0.1	2,235.3	1,090.7	4.8	0.1	2,240.3	1,255.9	1.9	0.1	19
20	2,215.7	592.6	2.2	0.1	2,220.9	707.9	1.3	0.1	2,235.5	1,096.9	3.2	0.1	2,240.4	1,259.5	1.9	0.1	20
21	2,215.9	596.8	2.2	0.1	2,221.1	712.5	2.4	0.1	2,235.6	1,100.0	3.0	0.1	2,239.9	1,241.8	1.2	6.9	21
22	2,216.0	598.9	1.2	0.1	2,221.7	726.6	7.2	0.1	2,235.9	1,109.3	3.0	0.1	2,239.7	1,234.9	1.3	7.3	22
23	2,216.2	603.2	2.2	0.1	2,222.4	743.0	8.4	0.1	2,236.1	1,115.6	3.0	0.1	2,239.3	1,221.1	1.3	7.3	23
24	2,216.4	607.5	2.3	0.1	2,223.0	757.2	7.2	0.1	2,236.2	1,118.8	2.9	0.1	2,239.0	1,210.7	1.3	7.3	24
25	2,216.6	611.8	2.3	0.1	2,223.3	764.4	3.8	0.1	2,236.4	1,125.2	2.9	0.1	2,238.7	1,200.6	1.3	7.3	25
26	2,216.8	616.1	2.2	0.1	2,223.7	774.0	4.9	0.1	2,236.6	1,131.5	3.2	0.1	2,238.3	1,187.1	2.1	7.3	26
27	2,216.9	618.2	1.2	0.1	2,224.0	781.2	3.7	0.1	2,236.7	1,134.7	1.7	0.1	2,238.0	1,177.0	2.1	7.3	27
28	2,217.1	622.6	2.3	0.1	2,224.3	788.5	3.8	0.1	2,236.9	1,141.1	3.4	0.1	2,237.7	1,167.2	2.1	7.8	28
29	2,217.3	627.0	2.3	0.1	2,224.6	795.8	3.8	0.1	2,237.2	1,150.8	5.0	0.1	2,237.4	1,157.4	2.1	7.8	29
30					2,224.8	800.7	2.6	0.1	2,237.4	1,157.4	3.4	0.1	2,237.0	1,144.3	2.1	7.8	30
31					2,225.3	813.1	6.3	0.1					2,236.7	1,134.7	2.1	7.8	31
TOTAL			62.4	2.9			96.9	3.1			176.6	3.0			72.5	83.9	
Inf. Ac. Ft.			123.8				192.2				350.3				143.8	1,250.0	
Outf. Ac. Ft.			5.8				6.2				6.0				166.4	628.2	
Maximum Mean Daily Inflow			2.9				8.4				40.1				5.2	40.1	
Minimum Mean Daily Inflow			1.2				1.2				1.6				1.2	0.3	
Storage Change		+ 118.1				+ 186.1				+ 344.3				− 22.7		622.1	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2,240.4	feet	on	5/21/64	Storage	1,259.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	2,142.5	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	W. R. CROKE	Dam Tender	Gage Hts. copied	RAP	FM
Max. Peak Inf.	89.6	C.F.S. from	4:30 A.M.	on	1/22/64	to	4:45 A.M.	on	1/22/64	J. R. HYDE	Hydrographer	Storage applied	RAP	FM
Max. Peak Outf.	51.4	C.F.S. from	4:12 P.M.	on	8/26/64	to	5:12 P.M.	on	8/26/64		Hydrographer	Inf. & Outf. comp.	FM	RAP

REMARKS (INDICATES AVERAGE FOR PERIOD

76D138N-688 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In Big Tujunga Canyon for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4064.7 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of July 1962 Gage Heights Read Daily

Day	June Gage Height	June Acre Ft. Storage	June C. F. S. Inflow	June C. F. S. Outflow	July Gage Height	July Acre Ft. Storage	July C. F. S. Inflow	July C. F. S. Outflow	August Gage Height	August Acre Ft. Storage	August C. F. S. Inflow	August C. F. S. Outflow	September Gage Height	September Acre Ft. Storage	September C. F. S. Inflow	September C. F. S. Outflow	Day
1	2236.3	1122.0	1.4	7.8	2224.4	791.0	0.8	6.2	2205.0	398.8	0.9	9.6	2142.5	0	0.8	0.8	1
2	2235.9	1109.3	1.4	7.8	2223.9	778.8	0.8	6.2	2203.9	381.9	0.9	9.6			0.7	0.7	2
3	2235.6	1100.0	3.1	7.8	2223.5	769.2	0.9	6.2	2202.9	366.7	0.9	9.6			0.6	0.6	3
4	2235.2	1087.6	0.4	6.6	2223.0	757.2	0.9	6.2	2201.7	349.0	1.0	9.6			0.6	0.6	4
5	2234.9	1078.4	1.9	6.6	2222.6	747.8	0.9	6.2	2200.4	330.3	1.0	9.6			0.6	0.6	5
6	2234.5	1066.2	0.5	6.6	2222.1	736.0	0.7	6.2	2199.1	312.0	1.3	10.2			0.6	0.6	6
7	2234.1	1054.0	0.4	6.6	2221.7	726.6	0.7	6.2	2197.8	294.2	1.4	10.2			0.6	0.6	7
8	2233.8	1045.0	2.1	6.6	2221.3	717.2	0.6	6.2	2196.5	276.9	1.4	10.2			0.7	0.7	8
9	2233.4	1033.1	0.6	6.6	2220.8	705.6	0.6	5.8	2195.2	260.1	1.4	10.2			0.7	0.7	9
10	2233.1	1024.2	2.1	6.6	2220.3	694.1	0.6	5.8	2193.8	242.7	1.4	10.2			0.8	0.8	10
11	2232.7	1012.4	0.8	6.8	2219.8	682.7	0.4	5.8	2192.5	227.1	2.2	10.2			0.8	0.8	11
12	2232.4	1003.7	2.5	6.8	2219.4	673.6	0.4	5.8	2191.3	213.2	2.2	10.2			0.8	0.8	12
13	2232.0	992.0	0.9	6.8	2218.9	662.4	0.3	5.8	2189.8	196.8	2.2	7.8			0.8	0.8	13
14	2231.6	980.6	1.0	6.8	2219.4	651.2	0.3	5.8	2187.5	173.2	2.2	14.2			0.8	0.8	14
15	2231.2	969.2	1.1	6.8	2217.9	640.1	0.3	5.8	2185.3	152.5	2.3	14.2			0.7	0.7	15
16	2230.8	957.9	1.1	6.8	2217.5	631.4	1.2	6.4	2183.2	134.3	2.5	14.2			0.6	0.6	16
17	2230.4	946.8	1.2	6.8	2217.0	620.4	1.2	6.4	2181.0	116.7	2.5	10.5			0.5	0.5	17
18	2230.0	935.7	1.5	7.1	2216.5	609.6	1.2	6.4	2178.7	99.7	2.5	10.5			0.5	0.5	18
19	2229.7	927.5	2.9	7.1	2216.0	598.9	1.2	6.4	2176.4	84.4	2.5	10.5			0.5	0.5	19
20	2229.2	913.9	0.3	7.1	2215.5	588.4	1.2	6.4	2174.2	71.0	2.5	7.9			0.5	0.5	20
21	2228.8	903.2	1.7	7.1	2215.0	577.8	1.9	6.4	2172.2	60.0	1.7	7.5			0.6	0.6	21
22	2228.4	892.5	1.7	7.1	2214.6	569.6	1.9	6.4	2170.7	52.3	1.6	5.9			0.6	0.6	22
23	2227.9	879.3	0.4	7.1	2213.8	553.2	1.9	10.7	2169.6	47.0	1.6	3.3			0.7	0.7	23
24	2227.5	868.9	1.9	7.1	2212.9	535.5	1.9	10.7	2164.2	26.2	1.6	10.0			0.7	0.7	24
25	2227.1	858.5	0.9	6.2	2212.0	518.2	1.9	10.7	2163.5	24.1	1.6	5.0			0.6	0.6	25
26	2226.7	848.3	0.3	6.2	2211.1	501.5	1.8	10.7	2157.7	9.4	0.9	12.5			0.7	0.7	26
27	2226.3	838.1	0.4	6.2	2210.2	485.2	1.8	10.7	2142.5	0	0.9	1.7			0.6	0.6	27
28	2225.8	825.5	0.4	6.2	2209.2	467.7	1.8	10.7			1.0	1.3			0.5	0.5	28
29	2225.3	813.1	0.4	6.2	2208.2	450.7	1.7	10.7			1.0	0.9			0.5	0.5	29
30	2224.8	800.7	0.4	6.2	2207.1	432.4	1.7	9.6			1.0	0.8	2142.5	0	0.5	0.5	30
31					2206.1	416.1	1.7	9.6	2142.5	0	1.0	0.8					31
TOTAL			35.7	204.1			35.2	229.1			49.1	258.9			19.2	19.2	
Inf. Ac. Ft.			70.8				69.8				97.4				38.1	1,526.1	
Outf. Ac. Ft.			404.8				454.4				513.5				38.1	2,089.0	
Maximum Mean Daily Inflow			3.1				2.4				5.1				0.8	40.1	
Minimum Mean Daily Inflow			0				0				0				0.5	0	
Storage Change			− 334.0				− 384.6				− 416.1			0		− 512.6	

NO STORAGE

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2,240.4	feet	on	5/21/64	Storage	1,259.5	Acre Feet		RECORDS COLLECTED BY			COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	2,142.5	feet	on	VARIOUS DAYS	Storage		Acre Feet		W. R. CROKE	Dam Tender		Gage Hts. copied	FM	FM
Max. Peak Inf.	89.6	C. F. S. from	4:30 A.M.	on	1/22/64	to	4:45 A.M.	on	1/22/64	J. R. HYDE	Hydrographer	Storage applied	FM	FM
Max. Peak Outf.	51.4	C. F. S. from	4:12 P.M.	on	8/26/64	to	5:12 P.M.	on	8/26/64		Hydrographer	Inf. & Outf. comp.	FM	FM

REMARKS (INDICATES AVERAGE FOR PERIOD

76D138N-688 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In Big Tujunga Canyon for the Year Ending September 30, 1965

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4,064.7 Ac. Ft. at Spillway Elev. 2,290.0 Ft. as of July 1962 Gage Heights Read Daily

Day	October Gage Height	October Acre Ft. Storage	October C. F. S. Inflow	October C. F. S. Outflow	November Gage Height	November Acre Ft. Storage	November C. F. S. Inflow	November C. F. S. Outflow	December Gage Height	December Acre Ft. Storage	December C. F. S. Inflow	December C. F. S. Outflow	January Gage Height	January Acre Ft. Storage	January C. F. S. Inflow	January C. F. S. Outflow	Day
1	2145.5	0	0.5	0.5	2145.5	0	0.5	0.5	2156.5	7.3	0.4	0	2166.9	35.6	1.0	0	1
2			0.6	0.6			0.5	0.5	2157.0	8.1	0.4	0	2167.4	37.6	1.0	0	2
3			0.6	0.6			0.5	0.5	2157.4	8.9	0.4	0	2168.0	39.9	1.3	0	3
4			0.7	0.7			0.5	0.5	2157.8	9.6	0.4	0	2168.5	42.0	1.0	0	4
5			0.7	0.7			0.5	0.5	2158.2	10.4	0.4	0	2169.0	44.2	1.2	0	5
6			0.8	0.8			0.5	0.5	2158.6	11.3	0.4	0	2169.6	47.0	1.5	0	6
7			0.8	0.8			0.5	0.5	2159.0	12.1	0.4	0	2170.5	51.3	2.2	0	7
8			0.6	0.6			0.5	0.5	2159.3	12.8	0.4	0	2171.2	54.7	1.7	0	8
9			0.6	0.6			1.3	1.3	2159.7	13.8	0.5	0	2171.8	57.9	1.8	0	9
10			0.6	0.6			1.0	1.0	2160.0	14.5	0.4	0	2172.3	60.5	1.3	0	10
11			0.6	0.6			0.7	0.7	2160.3	15.2	0.4	0	2172.8	63.1	1.4	0	11
12			0.6	0.6			0.7	0.7	2160.6	16.0	0.4	0	2173.3	65.9	1.4	0	12
13			0.6	0.6			0.7	0.7	2160.9	16.8	0.4	0	2173.8	68.7	1.5	0	13
14			0.6	0.6			0.7	0.7	2161.2	17.5	0.4	0	2174.2	71.0	1.2	0	14
15			0.6	0.6			0.7	0.7	2161.5	18.4	0.4	0	2174.7	73.9	1.5	0	15
16			0.6	0.6			0.7	0.7	2161.8	19.2	0.4	0	2175.1	76.3	1.2	0	16
17			0.6	0.6			0.7	0.7	2162.1	20.0	0.4	0	2175.5	78.8	1.4	0	17
18			0.5	0.5			0.6	0.6	2162.4	20.9	0.5	0	2176.0	81.9	1.6	0	18
19			0.4	0.4			0.6	0.6	2162.7	21.7	0.4	0	2176.4	84.4	1.3	0	19
20			0.4	0.4	1/ 2145.5	0	0.6	0.6	2163.0	22.6	0.4	0	2176.8	86.9	1.3	0	20
21			0.4	0.4	2149.3	0.6	0.3	0	2163.3	23.5	0.5	0	2177.1	88.9	1.1	0	21
22			0.4	0.4	2150.8	1.2	0.3	0	2163.6	24.4	0.4	0	2177.5	91.6	1.3	0	22
23			0.4	0.4	2151.2	1.4	0.3	0	2163.9	25.3	0.5	0	2178.0	94.9	1.8	0	23
24			0.4	0.4	2152.2	2.1	0.4	0	2164.1	25.9	0.4	0	2178.4	97.7	1.4	0	24
25			0.4	0.4	2153.0	2.8	0.3	0	2164.4	26.9	0.5	0	2178.8	100.4	1.4	0	25
26			0.4	0.4	2153.8	3.6	0.4	0	2164.7	27.8	0.4	0	2179.1	102.5	1.0	0	26
27			0.4	0.4	2154.4	4.3	0.4	0	2164.9	28.5	0.5	0	2179.5	105.4	1.5	0	27
28			0.4	0.4	2155.0	5.0	0.3	0	2165.2	29.5	0.6	0	2179.8	107.6	1.1	0	28
29			0.6	0.6	2155.5	5.7	0.4	0	2165.6	30.9	0.7	0	2180.2	110.6	1.5	0	29
30			0.5	0.5	1/ 2156.0	6.5	0.4	0	2166.0	32.3	0.7	0	2180.5	112.9	1.2	0	30
31	2145.5	0	0.5	0.5					2166.4	33.8	0.8	0	2180.8	115.2	1.1	0	31
TOTAL			16.8	16.8			16.5	13.0			14.2	0			42.2	0	
Inf. Ac. Ft.			33.3				32.7				28.1				83.8	177.9	
Outf. Ac. Ft.			33.3				25.8 + (0.4)				0 + (0.8)				0 + (2.4)	59.1 + (3.6)	
Maximum Mean Daily Inflow			0.8				1.3				0.8				2.1	2.1	
Minimum Mean Daily Inflow			0.4				0.1				0.3				0.9	0.1	
Storage Change			0				+ 6.5				+ 27.3			+ 81.4		+ 115.2	

NO STORAGE

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2,255.8	feet	on	5/10/65	Storage	1,902.3	Acre Feet		RECORDS COLLECTED BY			COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	2,145.5	feet	on	VARIOUS DAYS	Storage	0	Acre Feet		W. R. CROKE	Dam Tender		Gage Hts. copied	FM	JH
Max. Peak Inf.	164.6	C. F. S. from	8:00 P.M.	on	4/9/65	to	8:15 P.M.	on	4/9/65	J. R. HYDE	Hydrographer	Storage applied	FM	JH
Max. Peak Outf.	8.5	C. F. S. from	VARIOUS DAYS	on		to		on			Hydrographer	Inf. & Outf. comp.	FM	JH

REMARKS 1/ GAGE HEIGHTS ESTIMATED FROM INFLOW

76D138N-68B 3-64

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In Big Tujunga Canyon for the Year Ending September 30, 19 65

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4,064.7 Ac. Ft. at Spillway Elev. 2,290.0 Ft. as of July 19 62 Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	2181.1	117.5	1.3	0	2189.9	197.8	1.7	0	2200.6	333.1	21.7	0	2254.3	1830.5	5.2	0	1
2	2181.5	120.6	1.6	0	2190.1	200.0	1.2	0	2207.2	434.0	51.1	0	2254.5	1840.0	5.2	0	2
3	2181.8	122.9	1.3	0	2190.3	202.2	1.2	0	2210.4	488.8	27.8	0	2254.7	1849.5	5.2	0	3
4	2182.0	124.5	0.9	0	2190.5	204.4	1.2	0	2212.6	529.7	20.8	0	2254.9	1859.0	5.2	0	4
5	2182.4	127.7	1.6	0	2190.8	207.6	1.7	0	2214.0	557.2	14.1	0	2255.1	1868.5	5.1	0	5
6	2182.9	131.8	2.1	0	2191.0	209.8	1.1	0	2215.2	582.0	12.7	0	2255.2	1873.3	2.9	0	6
7	2183.4	136.0	2.2	0	2191.3	213.2	1.7	0	2216.4	607.5	13.1	0	2255.4	1883.0	5.3	0	7
8	2183.8	139.3	1.8	0	2191.6	216.6	1.8	0	2219.5	675.9	34.7	0	2255.5	1887.8	2.8	0	8
9	2184.2	142.8	1.8	0	2191.8	219.9	1.3	0	2224.6	795.8	60.6	0	2255.7	1897.4	5.2	0	9
10	2184.5	145.4	1.4	0	2192.1	222.4	1.9	0	2228.6	897.9	51.7	0	2255.7	1897.4	2.0	1.6	10
11	2184.8	148.0	1.4	0	2192.4	225.9	1.7	0	2230.7	955.2	29.1	0	2255.7	1897.4	4.5	4.1	11
12	2185.1	150.7	1.5	0	2192.6	228.3	1.2	0	2232.1	994.9	20.2	0	2255.7	1897.4	4.5	4.1	12
13	2185.4	153.4	1.5	0	2192.9	231.8	1.8	0	2233.2	1027.2	16.5	0	2255.7	1897.4	4.5	4.1	13
14	2185.8	157.0	1.9	0	2193.2	235.4	1.9	0	2234.2	1057.1	15.2	0	2255.6	1892.6	2.1	4.1	14
15	2186.1	159.8	1.5	0	2193.6	240.3	2.5	0	2235.6	1100.0	21.9	0	2255.6	1892.6	4.5	4.1	15
16	2186.4	162.6	1.5	0	2193.8	242.7	1.3	0	2237.4	1157.4	29.1	0	2255.5	1887.8	2.1	4.1	16
17	2186.6	164.5	1.1	0	2194.1	246.3	1.9	0	2239.5	1228.0	35.8	0	2255.5	1887.8	4.5	4.1	17
18	2186.9	167.4	1.5	0	2194.4	250.1	2.0	0	2242.0	1316.9	45.0	0	2255.4	1883.0	2.1	4.1	18
19	2187.2	170.3	1.6	0	2194.6	252.5	1.3	0	2244.7	1418.6	51.5	0	2255.3	1878.2	2.0	4.1	19
20	2187.5	173.2	1.4	0	2194.8	255.0	1.4	0	2247.1	1513.7	48.1	0	2255.2	1873.3	2.1	4.1	20
21	2187.8	176.1	1.5	0	2195.0	257.5	1.4	0	2249.0	1592.6	40.0	0	2255.1	1868.5	2.0	4.1	21
22	2188.1	179.1	1.5	0	2195.2	260.1	1.4	0	2250.2	1644.3	26.3	0	2255.1	1868.5	4.5	4.1	22
23	2188.3	181.2	1.1	0	2195.4	262.6	1.3	0	2251.2	1688.3	22.4	0	2255.0	1863.7	2.1	4.1	23
24	2188.6	184.2	1.5	0	2195.7	266.5	2.1	0	2252.0	1724.1	18.2	0	2254.9	1859.0	2.3	4.1	24
25	2188.8	186.3	1.0	0	2195.9	269.0	1.4	0	2252.5	1747.0	11.8	0	2254.9	1859.0	4.6	4.1	25
26	2189.1	189.4	1.6	0	2196.1	271.6	1.4	0	2253.0	1769.8	11.7	0	2254.8	1854.2	2.1	4.1	26
27	2189.3	191.5	1.1	0	2196.4	275.6	2.1	0	2253.4	1788.4	9.5	0	2254.7	1849.5	2.3	4.1	27
28	2189.6	194.7	1.6	0	2196.6	278.2	1.3	0	2253.7	1802.4	7.3	0	2254.6	1844.7	2.1	4.1	28
29					2196.8	280.9	1.4	0	2253.9	1811.6	4.8	0	2254.5	1840.0	2.3	4.1	29
30					2197.0	283.5	1.3	0	2254.1	1821.0	5.0	0	2254.4	1835.3	2.2	4.1	30
31					2197.5	290.2	3.3	0					2254.3	1830.5	2.2	4.1	31
TOTAL			41.8	0			50.2	0			777.7	0			105.7	87.7	
Inf. Ac. Ft.			82.9				99.6				1,542.5				209.7	2,112.6	
Outf. Ac. Ft.			0 + (3.4)				0 + (4.2)				0 + (11.7)				174.0 + (26.2)	233.1 + (49.1)	
Maximum Mean Daily Inflow			2.1				3.3				60.4				4.8	60.4	
Minimum Mean Daily Inflow			0.8				1.1				4.6				1.6	1.1	
Storage Change	+ 79.5					+ 95.5				+ 1,530.8				+ 9.5		+ 1,830.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2,255.8	feet	on	5/10/65	Storage	1,902.3	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	2,145.5	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	W. R. CROKE	Dam Tender	Gage Hts. copied FM JRH
Max. Peak Inf.	164.6	C. F. S. from	8:00 P.M.	on	4/9/65	to	8:15 P.M.	on	4/9/65	J. R. HYDE	Hydrographer	Storage applied FM JRH
Max. Peak Outf.	8.5	C. F. S. from	VARIOUS DAYS	on		to		on			Hydrographer	Inf. & Outf. comp. FM JRH

REMARKS

76D138N-68B 3-64

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In Big Tujunga Canyon for the Year Ending September 30, 19 65

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4,064.7 Ac. Ft. at Spillway Elev. 2,290.0 Ft. as of July 19 62 Gage Heights Read Daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	2254.2	1825.8	2.1	3.7	2251.0	1679.4	1.6	4.0	2245.9	1465.6	1.0	4.0	2237.0	1144.3	1.4	8.1	1
2	2254.2	1825.8	2.1	3.7	2250.8	1670.6	1.6	4.2	2245.7	1457.7	0.9	4.0	2236.5	1128.4	1.4	8.1	2
3	2254.1	1821.0	2.1	3.6	2250.7	1666.2	1.7	4.2	2245.6	1453.8	0.9	4.0	2236.1	1115.6	1.5	8.1	3
4	2254.0	1816.3	2.2	3.6	2250.5	1657.4	1.7	4.2	2245.4	1445.9	0.9	4.0	2235.6	1100.0	1.5	8.1	4
5	2253.9	1811.6	2.2	3.6	2250.4	1653.1	1.7	4.2	2245.2	1438.1	0.9	3.9	2235.2	1087.6	1.5	8.1	5
6	2253.8	1807.0	2.2	3.6	2250.2	1644.3	1.2	4.2	2245.0	1430.2	0.9	3.9	2234.8	1075.3	1.5	8.1	6
7	2253.7	1802.4	2.2	3.6	2250.0	1635.5	1.2	4.2	2244.8	1422.5	0.9	3.9	2234.3	1060.1	1.5	8.1	7
8	2253.6	1797.7	2.2	3.6	2249.9	1631.2	1.2	4.0	2244.7	1418.6	0.9	3.9	2233.9	1048.0	1.4	7.5	8
9	2253.6	1797.7	2.3	3.6	2249.8	1626.9	1.1	4.0	2244.5	1411.0	0.9	3.9	2233.4	1033.1	1.4	7.5	9
10	2253.5	1793.0	2.3	4.2	2249.6	1618.3	1.1	4.0	2244.3	1403.2	0.8	3.9	2233.0	1021.2	1.4	7.5	10
11	2253.4	1788.4	2.0	4.2	2249.5	1614.0	1.2	4.0	2244.1	1395.6	0.4	3.9	2232.5	1006.6	1.0	7.5	11
12	2253.3	1783.8	2.0	4.2	2249.3	1605.5	1.2	4.0	2243.9	1387.9	0.5	3.8	2232.1	994.9	1.0	7.5	12
13	2253.2	1779.1	2.0	4.2	2249.2	1601.2	1.2	4.0	2243.7	1380.4	0.5	3.8	2231.6	980.6	1.0	7.5	13
14	2253.1	1774.4	2.0	4.2	2249.0	1592.6	1.2	4.0	2243.5	1372.8	0.5	3.8	2231.1	966.4	0.9	7.5	14
15	2252.9	1765.2	2.0	4.2	2248.8	1584.2	1.2	4.1	2243.3	1365.2	0.5	3.8	2230.6	952.4	0.9	7.5	15
16	2252.8	1760.7	2.0	4.2	2248.7	1580.0	1.3	4.1	2243.2	1361.5	0.7	3.8	2230.2	941.3	1.7	7.5	16
17	2252.7	1756.1	2.0	4.1	2248.5	1571.6	1.3	4.1	2243.0	1353.9	0.7	3.8	2229.8	930.3	1.8	7.5	17
18	2252.6	1751.5	2.0	4.1	2248.3	1563.3	1.3	4.1	2242.8	1346.5	0.8	3.8	2229.3	916.7	1.8	7.5	18
19	2252.5	1747.0	2.0	4.1	2248.2	1559.1	1.3	4.1	2242.5	1335.4	0.8	4.0	2228.8	903.2	1.8	7.5	19
20	2252.4	1742.4	2.0	4.1	2249.0	1550.7	1.3	4.1	2242.1	1320.6	0.8	8.4	2228.4	892.5	1.8	7.5	20
21	2252.3	1737.8	1.7	4.1	2247.8	1542.5	1.0	4.1	2241.7	1306.0	1.3	8.4	2227.9	879.3	0.8	7.5	21
22	2252.1	1728.7	1.6	4.1	2247.6	1534.3	1.0	4.0	2241.3	1291.6	1.3	8.4	2227.4	866.3	0.8	7.5	22
23	2252.0	1724.1	1.6	4.1	2247.4	1526.0	1.0	4.0	2240.9	1277.2	1.3	8.4	2226.9	853.4	0.8	6.7	23
24	2251.9	1719.6	1.6	4.0	2247.2	1517.8	1.0	4.0	2240.5	1263.0	1.3	8.4	2226.4	840.7	0.8	6.7	24
25	2251.8	1715.2	1.6	4.0	2247.0	1509.6	1.0	4.0	2240.0	1245.3	1.4	8.4	2225.9	828.0	0.9	6.7	25
26	2251.6	1706.2	1.2	4.0	2246.9	1505.6	1.0	4.0	2239.5	1228.0	1.4	8.1	2225.4	815.6	0.9	6.7	26
27	2251.5	1701.8	1.2	4.0	2246.	1497.6	1.0	4.0	2239.1	1214.2	1.3	8.1	2224.9	803.2	0.9	6.7	27
28	2251.4	1697.3	1.1	4.0	2246.6	1493.6	1.0	4.0	2238.7	1200.6	1.3	8.1	2224.4	791.0	0.9	6.7	28
29	2251.2	1688.3	1.1	4.0	2246.4	1485.5	0.9	4.0	2238.3	1187.1	1.3	8.1	2223.9	778.8	0.9	6.7	29
30	2251.1	1683.9	1.1	4.0	2246.2	1477.5	0.9	4.0	2237.8	1170.5	1.3	8.1	2223.4	766.8	0.8	6.9	30
31					2246.1	1473.5	0.9	4.0	2237.4	1157.4	1.3	8.1					31
TOTAL			55.7	118.7			37.3	125.9			29.7	172.9			36.7	223.0	
Inf. Ac. Ft.			110.5				74.0				58.9				72.8	2,428.8	
Outf. Ac. Ft.			235.4 + (21.6)				249.7 + (34.7)				342.9 + (32.1)				442.3 + (21.0)	1,503.4 + (158.5)	
Maximum Mean Daily Inflow			2.3				1.7				1.4				1.5	60.4	
Minimum Mean Daily Inflow			1.1				0.9				0.4				0.8	0.4	
Storage Change	- 146.6					- 210.4				- 316.1				- 390.6		+ 766.8	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2,255.8	feet	on	5/10/65	Storage	1,902.3	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	2,145.5	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	W.R. CROKE	Dam Tender	Gage Hts. copied FM JL
Max. Peak Inf.	164.6	C. F. S. from	8:00 P.M.	on	4/9/65	to	8:15 P.M.	on	4/9/65	J. R. HYDE	Hydrographer	Storage applied FM JL
Max. Peak Outf.	8.5	C. F. S. from	VARIOUS DAYS	on		to		on			Hydrographer	Inf. & Outf. comp. FM JL

REMARKS (INDICATES AVERAGE FOR PERIOD

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of DEVIL'S GATE Dam

On Arroyo Seco for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 31.9 Square Miles Capacity of Reservoir 2,749.6 Ac. Ft. at Spillway Elev. 1,054.0 Ft. as of May 1962 Gage Heights Read Daily

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,015.2	9.2	0	0.2	1,015.1	8.9	0	0.2	1,021.3	75.0	0	0.2	1,018.6	29.2	0	0.1	1
2	1,014.9	8.5	0	0.2	1,014.8	8.3	0	0.2	1,021.2	72.6	0	0.2	1,018.5	28.1	0	0.1	2
3	1,014.7	8.2	0	0.2	1,014.6	8.0	0	0.2	1,021.1	70.3	0	0.2	1,018.4	27.0	0	0.1	3
4	1,012.8	5.8	0	1.2	1,014.3	7.6	0	0.2	1,021.0	67.9	0	0.2	1,018.3	26.0	0	0.1	4
5	1,008.8	2.9	0	1.2	1,014.1	7.2	0	0.2	1,020.9	65.9	0	0.2	1,018.2	24.9	0	0.1	5
6	1,000.7	0.6	0	1.0	1,018.1	23.9	9.7	0.2	1,020.8	64.0	0	0.2	1,018.1	23.9	0	0.1	6
7	996.6	0.2	0	0.2	1,017.9	22.1	0	0.2	1,020.7	62.0	0	0.2	1,018.0	22.8	0	0.1	7
8	995.4	0.1	0	+	1,017.7	20.7	0	0.2	1,020.7	62.0	0	0.2	1,017.9	22.1	0	0.1	8
9	995.6	0.1	0	|	1,017.6	20.0	0	0.1	1,020.6	60.1	0	0.2	1,017.8	21.4	0	0.1	9
10	995.9	0.1	0	|	1,017.4	18.5	0	0.1	1,020.5	58.1	0	0.2	1,017.7	20.7	0	0.1	10
11	995.9	0.1	0	|	1,017.2	17.1	0	0.1	1,020.4	56.1	0	0.2	1,017.6	20.0	0	0.1	11
12	995.9	0.1	0	|	1,017.0	15.7	0	0.1	1,020.3	54.2	0	0.2	1,017.4	18.5	0	0.1	12
13	996	0.1	0	|	1,016.8	14.8	0	0.1	1,020.2	52.2	0	0.2	1,017.3	17.8	0	0.1	13
14	996.2	0.2	+	+	1,016.6	13.9	0	0.1	1,020.1	50.3	0	0.2	1,017.2	17.1	0	0.1	14
15	1,002.6	0.9	0.5	0.1	1,019.0	33.4	11.1	0.1	1,020.0	48.3	0	0.2	1,017.1	16.4	0	0.1	15
16	1,018.1	23.9	12.7	0.1	1,018.8	31.3	0.1	0.1	1,020.0	49.3	0	0.2	1,017.0	15.7	0	0.1	16
17	1,017.8	21.4	0	0.1	1,018.6	29.2	0	0.2	1,019.9	46.8	0	0.2	1,016.9	15.3	0	0.1	17
18	1,018.4	27.0	3.9	0.1	1,018.5	28.1	0	0.2	1,019.8	45.3	0	0.2	1,016.8	14.8	0	0.1	18
19	1,018.2	24.9	0	0.1	1,020.0	48.3	12.1	0.2	1,019.8	45.3	0	0.2	1,016.7	14.4	0	0.1	19
20	1,018.1	23.9	0	0.1	1,022.7	110.8	34.4	0.2	1,019.7	43.8	0	0.2	1,016.5	13.5	0	0.1	20
21	1,017.9	22.1	0	0.1	1,022.5	105.3	0	0.2	1,019.6	42.3	0	0.2	1,024.6	170.8	81.4	0.1	21
22	1,017.8	21.4	0	0.1	1,022.3	99.8	0	0.2	1,019.5	40.8	0	0.2	1,027.7	297.9	66.7	0.1	22
23	1,017.7	20.7	0	0.1	1,022.2	97.1	0	0.2	1,019.4	39.4	0	0.2	1,027.6	293.2	0	0.1	23
24	1,017.5	19.2	0	0.1	1,022.0	91.6	0	0.2	1,019.3	37.9	0	0.2	1,027.5	288.6	0	0.1	24
25	1,017.2	17.1	0	0.6	1,021.9	89.2	0	0.2	1,019.2	36.4	0	0.2	1,027.4	283.9	0	0.1	25
26	1,016.9	15.3	0	0.2	1,021.8	88.9	0	0.2	1,019.1	34.9	0	0.2	1,027.3	279.2	0	0.1	26
27	1,016.6	13.9	0	0.2	1,021.7	84.5	0	0.2	1,019.0	33.4	0	0.2	1,027.2	274.5	0	0.1	27
28	1,016.4	13.1	0	0.2	1,021.6	82.1	0	0.2	1,018.9	32.3	0	0.2	1,027.1	269.8	0	0.1	28
29	1,016.1	11.7	0	0.2	1,021.5	79.8	0	0.2	1,018.9	32.3	0	0.2	1,027.0	265.1	0	0.1	29
30	1,015.8	10.8	0	0.2	1,021.4	77.4	0	0.2	1,018.8	31.3	0	0.2	1,026.9	260.9	0	0.1	30
31	1,015.4	9.7	0	0.2					1,018.7	30.2	0	0.1	1,026.8	256.6	0	0.1	31
TOTAL			17.1	7.0			67.4	5.2			0	6.1			148.1	3.1	
Inf. Ac. Ft.			33.9				133.7				0				293.8	461.4	
Outf. Ac. Ft.			13.9 + (20.0)				10.3 + (55.7)				12.1 + (35.1)				6.1 + (61.3)	42.4 + (172.1)	
Maximum Mean Daily Inflow			12.7				34.4				0				81.4	81.4	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change			0				+ 67.7				- 47.2				+ 226.4	+ 246.9	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,029.8	feet	on	4/2/64	Storage	408.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	991.8	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	D. E. WILSON	Dam Tender	Gage Hts. copied	FM RAP	
Max. Peak Inf.	727.	C. F. S. from	2:45 A.M.	on	1/21/64	to	3:00 A.M.	on	1/21/64	R. V. WOOD	Hydrographer	Storage applied	FM RAP	
Max. Peak Outf.	214.	C. F. S. from	3:05 P.M.	on	6/26/64	to	3:20 P.M.	on	6/26/64		Hydrographer	Inf. & Outf. comp.	RAP FM	

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of DEVIL'S GATE Dam

On Arroyo Seco for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 31.9 Square Miles Capacity of Reservoir 2,749.6 Ac. Ft. at Spillway Elev. 1,054.0 Ft. as of May 1962 Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,026.7	252.4	0	0.1	1,024.3	160.4	0	0.1	1,029.6	397.3	61.3	0.1	1,027.1	269.8	0	0.1	1
2	1,026.6	248.2	0	0.1	1,024.5	167.3	5.3	0.1	1,029.8	408.5	8.7	0.1	1,027.0	265.1	0	0.1	2
3	1,026.5	244.0	0	0.1	1,024.4	163.8	0	0.1	1,029.7	402.9	0	0.1	1,026.9	260.9	0	0.1	3
4	1,026.4	239.7	0	0.1	1,024.4	163.8	0	0.1	1,029.5	391.6	0	0.1	1,026.9	260.9	2.2	0.1	4
5	1,026.4	239.7	0	0.1	1,024.2	156.9	0	0.1	1,029.4	386.0	0	0.1	1,026.9	260.9	2.2	0.1	5
6	1,026.3	235.5	0	0.1	1,024.2	156.9	0	0.1	1,029.4	386.0	2.8	0.1	1,026.8	256.6	0	0.1	6
7	1,026.2	231.3	0	0.1	1,024.1	153.5	0	0.1	1,029.4	386.0	2.8	0.1	1,026.7	252.4	0	0.1	7
8	1,026.1	227.0	0	0.1	1,024.0	150.0	0	0.1	1,029.3	380.4	0.1	0.1	1,026.6	248.2	0	0.1	8
9	1,026.0	222.8	0	0.1	1,024.0	150.0	0	0.1	1,029.2	374.8	0	0.1	1,026.5	244.0	0	0.1	9
10	1,025.9	219.0	0	0.1	1,023.9	146.9	0	0.1	1,029.1	369.2	0	0.1	1,026.4	239.7	0	0.1	10
11	1,025.8	215.2	0	0.1	1,023.8	143.8	0	0.1	1,029.0	363.6	0	0.1	1,026.3	235.5	0	0.1	11
12	1,025.7	211.3	0	0.1	1,024.0	150.0	4.7	0.1	1,028.9	358.4	0	0.1	1,026.2	231.3	0	0.1	12
13	1,025.6	207.5	0	0.1	1,024.0	150.0	1.5	0.1	1,028.7	348.1	0	0.1	1,026.1	227.0	0	0.1	13
14	1,025.6	207.5	0	0.1	1,023.9	146.9	0	0.1	1,028.6	343.0	0	0.1	1,026.0	222.8	0	0.1	14
15	1,025.5	203.7	0	0.1	1,023.8	143.8	0	0.1	1,028.5	337.8	0	0.1	1,025.9	219.0	0	0.1	15
16	1,025.4	199.9	0	0.1	1,023.7	140.7	0	0.1	1,028.4	332.6	0	0.1	1,025.8	215.2	0	0.1	16
17	1,025.3	196.1	0	0.1	1,023.7	140.7	0	0.1	1,028.3	327.5	0	0.1	1,025.7	211.3	0	0.1	17
18	1,025.2	192.2	0	0.1	1,023.6	137.6	0	0.1	1,028.2	322.3	0	0.1	1,025.6	207.5	0	0.1	18
19	1,025.2	192.2	0	0.1	1,023.5	134.5	0	0.1	1,028.2	322.3	2.6	0.1	1,025.5	203.7	0	0.1	19
20	1,025.1	188.4	0	0.1	1,023.4	131.4	0	0.1	1,028.2	322.3	2.6	0.1	1,025.4	199.9	0	0.1	20
21	1,025.0	184.6	0	0.1	1,023.3	128.3	0	0.1	1,028.0	312.0	0	0.1	1,025.3	196.1	0	0.1	21
22	1,024.9	181.1	0	0.1	1,026.1	227.0	52.2	0.1	1,027.9	307.3	0	0.1	1,025.2	192.2	0	0.1	22
23	1,024.8	177.7	0	0.1	1,026.8	256.6	17.2	0.1	1,027.8	302.6	0	0.1	1,025.1	188.4	0	0.1	23
24	1,024.8	177.7	0	0.1	1,027.0	265.1	6.5	0.1	1,027.7	297.9	0	0.1	1,025.0	184.6	0	0.1	24
25	1,024.7	174.2	0	0.1	1,026.9	260.9	0	0.1	1,027.6	293.2	0	0.1	1,024.9	181.1	0	0.1	25
26	1,024.6	170.8	0	0.1	1,026.9	260.9	0	0.1	1,027.5	288.6	0	0.1	1,024.8	177.7	0	0.1	26
27	1,024.6	170.8	0	0.1	1,026.8	256.6	0	0.1	1,027.4	283.9	0	0.1	1,024.7	174.2	0	0.1	27
28	1,024.5	167.3	0	0.1	1,026.7	252.4	0	0.1	1,027.4	283.9	2.3	0.1	1,024.6	170.8	0	0.1	28
29	1,024.4	163.8	0	0.1	1,026.6	248.2	0	0.1	1,027.3	279.2	0	0.1	1,024.5	167.3	0	0.1	29
30					1,026.5	244.0	0	0.1	1,027.2	274.5	0	0.1	1,024.4	163.8	0	0.1	30
31					1,027.4	283.9	22.8	0.1					1,024.3	160.4	0	0.1	31
TOTAL			0	2.9			110.2	3.1			83.2	3.0			4.4	3.1	
Inf. Ac. Ft.			0				218.6				165.0				8.7	853.7	
Outf. Ac. Ft.			5.8 + (87.0)				6.1 + (92.4)				6.0 + (168.4)				6.1 + (116.6)	66.4 + (636.5)	
Maximum Mean Daily Inflow			0				52.2				61.3				2.2	197.1	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change			- 92.8				+ 120.1				- 9.4				- 114.1	+ 150.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,029.8	feet	on	4/2/64	Storage	408.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	991.8	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	D. E. WILSON - J. T. MC GOWAN	Dam Tender	Gage Hts. copied	RAP FM	
Max. Peak Inf.	727.	C. F. S. from	2:45 A.M.	on	1/21/64	to	3:00 A.M.	on	1/21/64	R. V. WOOD	Hydrographer	Storage applied	RAP FM	
Max. Peak Outf.	214.	C. F. S. from	3:05 P.M.	on	6/26/64	to	3:20 P.M.	on	6/26/64		Hydrographer	Inf. & Outf. comp.	RAP FM	

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of DEVIL'S GATE Dam

On Arroyo Seco for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2,749.6 Ac. Ft. at Spillway Elev. 1,054.0 Ft. as of May 1962 Gage Heights Read Daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1,024.2	156.9	0	0.1	991.8	0	0	0	991.8	0	0	0	991.8	0	0	0	1
2	1,024.1	153.5	0	0.1			0	0			0	0			0	0	2
3	1,024.0	150.0	0	0.1			0	0			0	0			0	0	3
4	1,023.9	146.9	0	0.1			0	0			0	0			0	0	4
5	1,023.9	146.9	0	0.1			0	0			0	0			0	0	5
6	1,023.8	143.8	0	0.1			0	0			0	0			0	0	6
7	1,023.7	140.7	0	0.1			0	0			0	0			0	0	7
8	1,023.7	140.7	0	0.1			0	0			0	0			0	0	8
9	1,023.8	143.8	3.0	0.1			0	0			0	0			0	0	9
10	1,023.7	140.7	0	0.1			0	0			0	0			0	0	10
11	1,023.6	137.6	0	0			0	0			0	0			0	0	11
12	1,023.5	134.5	0	0			0	0			0	0			0	0	12
13	1,023.4	131.4	0	0			0	0			0	0			0	0	13
14	1,023.3	128.3	0	0			0	0			0	0			0	0	14
15	1,023.3	128.3	0	0			0	0			0	0			0	0	15
16	1,023.2	125.2	0	0			0	0			0	0			0	0	16
17	1,023.1	122.1	0	0			0	0			0	0			0	0	17
18	1,023.0	119.0	0	0			0	0			0	0			0	0	18
19	1,022.9	116.3	0	0			0	0			0	0			0	0	19
20	1,022.8	113.5	0	0			0	0			0	0			0	0	20
21	1,022.7	110.8	0	0			0	0			0	0			0	0	21
22	1,022.6	108.0	0	0			0	0			0	0			0	0	22
23	1,022.5	105.3	0	0			0	0			0	0			0	0	23
24	1,022.5	105.3	0	0			0	0			0	0			0	0	24
25	1,022.6	82.1	0	10.7			0	0			0	0			0	0	25
26	991.8	0	0	40.6			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30	991.8	0	0	0			0	0			0	0	991.8	0	0	0	30
31					991.8	0	0	0	991.8	0	0	0					31
TOTAL			3.0	52.3			0	0			0	0			0	0	
Inf. Ac. Ft.			6.0				0				0				0	859.7	
Outf. Ac. Ft.			109.7 + (62.7)				0				0				0	170.1 + (699.2)	
Maximum Mean Daily Inflow			3.0				0				0				0	81.4	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change			− 160.4				0		0				0			− 9.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,029.8	feet	on	4/2/64	Storage	408.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	991.8	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	J. T. MC GOWAN	Dam Tender	Gage Hts. copied	RAP	AJF
Max. Peak Inf.	727.	C.F.S. from	2:45 A.M.	on	1/21/64	to	3:00 A.M.	on	1/21/64	R. V. WOOD	Hydrographer	Storage applied	RAP	AJF
Max. Peak Outf.	214.	C.F.S. from	3:05 P.M.	on	6/26/64	to	3:20 P.M.	on	6/26/64		Hydrographer	Inf. & Outf. comp.	RAP	AJF

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of DEVIL'S GATE Dam

On Arroyo Seco for the Year Ending September 30, 1965

Continuous Water Stage Recorder Au

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2,749.6 Ac. Ft. at Spillway Elev. 1,054.0 Ft. as of May 1962 Gage Heights Read Daily

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	991.8	0	0	0	1,011.7	4.9	0	0.2	1,021.5	79.8	0	0.2	1,023.7	140.7	0	0.2	1
2			0	0	1,011.1	4.4	0	0.2	1,021.4	77.4	0	0.2	1,023.6	137.6	0	0.2	2
3			0	0	1,010.6	4.0	0	0.2	1,021.4	77.4	0	0.2	1,023.5	134.5	0	0.2	3
4			0	0	1,010.0	3.6	0	0.2	1,021.3	75.0	0	0.2	1,023.4	131.4	0	0.2	4
5			0	0	1,009.5	3.3	0	0.1	1,021.2	72.6	0	0.2	1,023.3	128.3	0	0.2	5
6			0	0	1,009.0	3.0	0	0.1	1,021.1	70.3	0	0.2	1,023.2	125.2	0	0.2	6
7			0	0	1,008.5	2.8	0	0.1	1,021.0	67.9	0	0.2	1,023.9	146.9	12.5	0.2	7
8			0	0	1,007.9	2.4	0	0.1	1,020.9	65.9	0	0.2	1,023.9	146.9	1.5	0.2	8
9			0	0	1,021.3	75.0	38.3	0.2	1,020.9	65.9	0	0.2	1,023.8	143.8	0	0.2	9
10			0	0	1,022.6	108.0	18.9	0.2	1,020.8	64.0	0	0.2	1,023.7	140.7	0	0.2	10
11			0	0	1,022.4	102.6	0	0.2	1,020.7	62.0	0	0.2	1,023.6	137.6	0	0.2	11
12			0	0	1,022.2	97.1	0	0.2	1,020.6	60.1	0	0.2	1,023.5	134.5	0	0.2	12
13			0	0	1,022.1	94.3	0	0.2	1,020.5	58.1	0	0.2	1,023.4	131.4	0	0.2	13
14			0	0	1,021.9	89.2	0	0.2	1,020.4	56.1	0	0.2	1,023.4	131.4	0	0.2	14
15			0	0	1,021.8	86.9	0	0.2	1,020.4	56.1	0	0.2	1,023.3	128.3	0	0.2	15
16			0	0	1,021.7	84.5	0	0.2	1,020.3	54.2	0	0.2	1,023.2	125.2	0	0.2	16
17			0	0	1,022.8	113.5	16.4	0.2	1,020.2	52.2	0	0.2	1,023.1	122.1	0	0.2	17
18			0	0	1,022.7	110.8	0	0.2	1,020.2	52.2	0	0.2	1,023.0	119.0	0	0.2	18
19			0	0	1,022.6	108.0	0	0.2	1,020.3	54.2	2.0	0.2	1,023.0	119.0	0	0.2	19
20			0	0	1,022.5	105.3	0	0.2	1,022.4	102.6	25.7	0.2	1,022.9	116.3	0	0.2	20
21			0	0	1,022.4	102.6	0	0.2	1,022.4	102.6	1.4	0.2	1,022.8	113.5	0	0.2	21
22			0	0	1,022.3	99.8	0	0.2	1,022.3	99.8	0	0.2	1,022.8	113.5	0	0.2	22
23			0	0	1,022.2	97.1	0	0.2	1,022.2	97.1	0	0.2	1,022.7	110.8	0	0.2	23
24			0	0	1,022.1	94.3	0	0.2	1,022.1	94.3	0	0.2	1,023.1	122.1	7.0	0.2	24
25			0	0	1,022.0	91.6	0	0.2	1,022.0	91.6	0	0.2	1,023.0	119.0	0	0.1	25
26			0	0	1,021.9	89.2	0	0.2	1,022.0	91.6	1.4	0.2	1,023.0	119.0	0	0.1	26
27			0	0	1,021.8	86.9	0	0.2	1,024.1	153.5	32.8	0.2	1,022.9	116.3	0	0.1	27
28	991.8	0	0	0	1,021.8	86.9	1.2	0.2	1,024.0	150.0	0	0.2	1,022.8	113.5	0	0.1	28
29	1,013.6	6.7	3.6	0.2	1,021.7	84.5	0	0.2	1,023.9	146.9	0	0.2	1,022.7	110.8	0	0.1	29
30	1,012.8	5.8	0	0.2	1,021.6	82.1	0	0.2	1,023.8	143.8	0	0.2	1,022.7	110.8	0	0.1	30
31	1,012.2	5.3	0	0.2					1,023.8	143.8	0	0.2	1,022.6	108.0	0	0.1	31
TOTAL			3.6	0.6			74.8	5.6			63.3	6.2			21.0	5.5	
Inf. Ac. Ft.			7.1				148.4				125.6				41.7	322.8	
Outf. Ac. Ft.			1.2 + (0.6)				11.1 + (60.5)				12.3 + (51.6)				10.9 + (66.4)	35.5 + (179.1)	
Maximum Mean Daily Inflow			3.6				38.3				32.5				12.5	88.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change			+ 5.3				+ 76.8		+ 61.7				− 35.8			+108.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,039.1	feet	on	4/11/65	Storage	1,104.7	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	991.8	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	R. E. GARRISON	Dam Tender	Gage Hts. copied	FM	BJM
Max. Peak Inf.	755.1	C.F.S. from	7:00 P.M.	on	4/9/65	to	7:15 P.M.	on	4/9/65	R. V. WOOD	Hydrographer	Storage applied	FM	BJM
Max. Peak Outf.	34.9	C.F.S. from	12:05 A.M.	on	5/10/65	to	4:00 P.M.	on	5/10/65		Hydrographer	Inf. & Outf. comp.	FM	BJM

REMARKS

760139N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of DEVIL'S GATE Dam

On Arroyo Seco for the Year Ending September 30, 1965

Continuous Water Stage Recorder Au

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2,749.6 Ac. Ft. at Spillway Elev. 1,054.0 Ft. as of May 1962 Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1,022.5	105.3	0	0.1	1,021.2	72.6	0	0.1	1,026.2	231.3	68.4	0.1	1,033.7	663.0	0	0.2	1
2	1,022.4	102.6	0	0.1	1,021.2	72.6	0	0.1	1,030.4	443.9	112.3	0.1	1,033.5	648.6	0	0.2	2
3	1,022.4	102.6	0	0.1	1,021.1	70.3	0	0.1	1,030.9	474.1	20.3	0.1	1,033.3	634.3	0	0.2	3
4	1,022.3	99.8	0	0.1	1,021.0	67.9	0	0.1	1,031.4	505.9	21.1	0.1	1,033.1	620.0	0	0.2	4
5	1,022.6	108.0	5.6	0.1	1,020.9	65.9	0	0.1	1,031.4	505.9	5.1	0.1	1,032.9	606.0	0	0.2	5
6	1,023.2	125.2	10.3	0.1	1,020.8	64.0	0	0.1	1,031.2	493.0	0.6	0.1	1,032.7	592.3	0	0.2	6
7	1,023.1	122.1	0	0.1	1,020.8	64.0	0	0.1	1,031.4	505.9	14.6	0.1	1,032.5	578.7	0	0.2	7
8	1,023.0	119.0	0	0.1	1,020.7	62.0	0	0.1	1,034.4	714.5	113.8	0.1	1,032.3	565.1	0	0.2	8
9	1,022.9	116.3	0	0.1	1,020.6	60.1	0	0.1	1,038.2	1,023.9	170.2	0.2	1,032.1	551.4	0	0.2	9
10	1,022.8	113.5	0	0.1	1,020.5	58.1	0	0.1	1,039.0	1,095.4	52.2	0.2	1,031.9	538.2	0	0.2	10
11	1,022.7	110.8	0	0.1	1,020.5	58.1	0	0.1	1,039.1	1,104.9	21.0	0.2	1,031.8	531.7	0	0.2	11
12	1,022.6	108.0	0	0.1	1,020.5	58.1	0	0.1	1,039.0	1,095.4	12.4	0.2	1,031.6	518.8	0	0.2	12
13	1,022.6	108.0	0	0.1	1,020.7	62.0	3.0	0.1	1,038.9	1,086.5	12.8	0.2	1,031.4	505.9	0	0.2	13
14	1,022.5	105.3	0	0.1	1,020.6	60.1	0	0.1	1,038.5	1,050.7	0	0.2	1,031.3	499.4	0	0.2	14
15	1,022.4	102.6	0	0.1	1,020.8	64.0	2.9	0.1	1,038.1	1,014.9	0	0.2	1,031.1	486.6	0	0.2	15
16	1,022.3	99.8	0	0.1	1,020.8	64.0	0	0.1	1,037.8	988.8	0	0.2	1,031.0	480.1	0	0.2	16
17	1,022.2	97.1	0	0.1	1,020.7	62.0	0	0.1	1,037.5	963.0	0	0.2	1,030.8	468.0	0	0.2	17
18	1,022.2	97.1	0	0.1	1,020.6	60.1	0	0.1	1,037.2	937.3	0	0.2	1,030.6	455.9	0	0.3	18
19	1,022.1	94.3	0	0.1	1,020.6	60.1	0	0.1	1,036.8	903.7	0	0.2	1,030.5	449.9	0	0.3	19
20	1,022.0	91.6	0	0.1	1,020.5	58.1	0	0.1	1,036.5	879.0	0	0.2	1,030.3	437.8	0	0.3	20
21	1,021.9	89.2	0	0.1	1,020.4	56.1	0	0.1	1,036.2	854.4	0	0.2	1,030.2	431.8	0	0.3	21
22	1,021.8	86.9	0	0.1	1,020.3	54.2	0	0.1	1,036.0	838.0	0	0.2	1,030.0	419.7	0	0.3	22
23	1,021.8	86.9	0	0.1	1,020.2	52.2	0	0.1	1,035.7	814.4	0	0.2	1,029.9	414.1	0	0.3	23
24	1,021.7	84.5	0	0.1	1,020.1	50.3	0	0.1	1,035.4	790.9	0	0.2	1,029.8	408.5	0	0.3	24
25	1,021.6	82.1	0	0.1	1,020.0	48.3	0	0.1	1,035.2	775.2	0	0.2	1,029.6	397.3	0	0.3	25
26	1,021.5	79.8	0	0.1	1,019.9	46.8	0	0.1	1,034.9	752.0	0	0.2	1,029.5	391.6	0	0.3	26
27	1,021.4	77.4	0	0.1	1,019.8	45.3	0	0.1	1,034.6	729.5	0	0.2	1,029.4	386.0	0	0.3	27
28	1,021.3	75.0	0	0.1	1,019.7	43.8	0	0.1	1,034.4	714.5	0	0.2	1,029.2	374.8	0	0.3	28
29					1,019.6	42.3	0	0.1	1,034.2	699.5	0	0.2	1,029.1	369.2	0	0.3	29
30					1,019.6	42.3	0	0.1	1,033.9	677.3	0	0.2	1,028.9	358.4	0	0.2	30
31					1,022.3	99.8	30.1	0.1					1,028.8	353.3	0	0.2	31
TOTAL			15.9	2.8			36.0	3.1			624.8	5.2			0	7.4	
Inf. Ac. Ft.			31.5				71.4				1,238.3				0	1,665.0	
Outf. Ac. Ft.			5.6 + (58.9)				6.1 + (40.5)				10.3 + (651.4)				14.7 + (309.2)	72.2 + (1,239.1)	
Maximum Mean Daily Inflow			10.3				30.1				170.2				0	170.2	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change			− 33.0				+ 24.8				+ 577.5				− 324.0	+353.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,039.1	feet	on	4/11/65	Storage	1,104.7	Acre Feet	
Min. W. S. Elev.	991.8	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	
Max. Peak Inf.	755.1	C.F.S. from	7:00 P.M.	on	4/9/65	to	7:15 P.M.	on 4/9/65
Max. Peak Outf.	34.9	C.F.S. from	12:05 A.M.	on	5/10/65	to	4:00 P.M.	on 5/10/65

REMARKS [INDICATES AVERAGE FOR PERIOD

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
R. E. GARRISON	Dam Tender	Gage Hts. copied	FM JLF	
R. V. WOOD	Hydrographer	Storage applied	FM JLF	
	Hydrographer	Inf. & Outf. comp.	FM JLF	

760139N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of DEVIL'S GATE Dam

On Arroyo Seco for the Year Ending September 30, 1965

Continuous Water Stage Recorder Au

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2,749.6 Ac. Ft. at Spillway Elev. 1,054.0 Ft. as of May 1965 Gage Heights Read Daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1,028.7	348.1	0	0.2	1,025.0	184.6	0	0.3	991.8	0	0	0	991.8	0	0	0	1
2	1,028.5	337.8	0	0.2	1,024.9	181.1	0	0.2			0	0			0	0	2
3	1,028.4	332.6	0	0.2	1,024.7	174.2	0	0.2			0	0			0	0	3
4	1,028.3	327.5	0	0.2	1,024.6	170.8	0	0.2			0	0	991.8	0	0	0	4
5	1,028.1	317.2	0	0.2	1,024.5	167.3	0	0.2			0	0	1,002.7	0.9	0.7	0.1	5
6	1,028.0	312.0	0	0.2	1,024.4	163.8	0	0.2			0	0	1,016.9	15.3	7.8	0.1	6
7	1,027.9	307.3	0	0.2	1,024.2	156.9	0	0.2			0	0	1,016.4	13.1	0	0.1	7
8	1,027.8	302.6	0	0.2	1,024.1	153.5	0	0.2			0	0	1,016.0	11.3	0	0.1	8
9	1,027.6	293.2	0	0.2	1,022.7	110.8	0	18.7			0	0	1,015.6	10.2	0	0.1	9
10	1,027.5	288.6	0	0.2	1,020.5	58.1	3.0	28.6			0	0	1,015.3	9.4	0	0.1	10
11	1,027.4	283.9	0	0.2	1,019.0	33.4	0.6	12.0			0	0	1,014.9	8.5	0	0.1	11
12	1,027.2	274.5	0	0.2	991.8	0	1.5	17.4			0	0	1,014.5	7.9	0	0.1	12
13	1,027.1	269.8	0	0.2			0	0			0	0	1,014.1	7.2	0	0.1	13
14	1,027.0	265.1	0	0.2			0	0			0	0	1,013.7	6.8	0	0.1	14
15	1,026.9	260.9	0	0.2			0	0			0	0	1,013.3	6.4	0	0.1	15
16	1,026.8	256.6	0	0.2			0	0			0	0	1,013.8	6.9	0.4	0.1	16
17	1,026.6	248.2	0	0.2			0	0			0	0	1,016.6	13.9	4.2	0.1	17
18	1,026.5	244.0	0	0.2			0	0			0	0	1,018.0	22.8	5.8	0.1	18
19	1,026.4	239.7	0	0.2			0	0			0	0	1,013.5	28.1	4.3	0.1	19
20	1,026.3	235.5	0	0.2			0	0			0	0	1,013.3	26.0	0	0.1	20
21	1,026.1	227.0	0	0.2			0	0			0	0	1,018.1	23.9	0	0.1	21
22	1,026.0	222.8	0	0.2			0	0			0	0	1,017.8	21.4	0	0.1	22
23	1,025.9	219.0	0	0.2			0	0			0	0	1,017.6	20.0	0	0.1	23
24	1,025.8	215.2	0	0.3			0	0			0	0	1,017.4	18.5	0	0.1	24
25	1,025.7	211.3	0	0.3			0	0			0	0	1,017.2	17.1	0	0.1	25
26	1,025.6	207.5	0	0.3			0	0			0	0	1,016.9	15.3	0	0.1	26
27	1,025.5	203.7	0	0.3			0	0			0	0	1,016.7	14.4	0	0.1	27
28	1,025.4	199.9	0	0.3			0	0			0	0	1,016.4	13.1	0	0.1	28
29	1,025.3	196.1	0	0.3			0	0			0	0	1,016.1	11.7	0	0.1	29
30	1,025.1	188.4	0	0.3			0	0			0	0	1,015.7	10.5	0	0.1	30
31					991.8	0	0	0	991.8	0	0	0					31
TOTAL			0	6.7			5.1	78.4			0	0			23.2	2.6	
Inf. Ac. Ft.			0				10.1				0				46.0	1,721.1	
Outf. Ac. Ft.			13.3 + (151.5)				155.5 + (43.0)				0				5.2 + (30.7)	246.4 + (1,464.3	
Maximum Mean Daily Inflow			0				3.0				0				7.8	170.2	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change			− 164.9				− 188.4				0				+ 10.5	+ 10.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,039.1	feet	on	4/11/65	Storage	1,104.7	Acre Feet	
Min. W. S. Elev.	991.8	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	
Max. Peak Inf.	755.1	C.F.S. from	7:00 P.M.	on	4/9/65	to	7:15 P.M.	on 4/9/65
Max. Peak Outf.	34.9	C.F.S. from	12:05 A.M.	on	5/10/65	to	4:00 P.M.	on 5/10/65

REMARKS

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
R. E. GARRISON	Dam Tender	Gage Hts. copied	FM JLF	
R. V. WOOD	Hydrographer	Storage applied	FM JLF	
	Hydrographer	Inf. & Outf. comp.	FM JLF	

760138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam

On Eaton Wash for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 12.0 Square Miles. Capacity of Reservoir 828.0 Ac. Ft. at Spillway Elev. 887.5 Ft. as of October 1963 Gage Heights Read Daily

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	849.2	1.6	0	0	843.1	0	0	0	854.8	10.6	0	0	852.1	3.8	0	0	1
2	849.2	1.6	0	0			0	0	854.7	10.2	0	0	851.9	3.6	0	0	2
3	849.1	1.5	0	0			0	0	854.6	9.8	0	0	851.8	3.5	0	0	3
4	843.1	0	0	0.5			0	0	854.5	9.4	0	0	851.6	3.3	0	0	4
5			0	0	843.1	0	0	0	854.5	9.4	0	0	851.5	3.2	0	0	5
6			0	0	851.9	3.6	1.8	0	854.4	9.1	0	0	851.4	3.2	0	0	6
7			0	0	851.7	3.4	0	0	854.3	8.7	0	0	851.2	3.0	0	0	7
8			0	0	851.5	3.2	0	0	854.2	8.3	0	0	851.1	2.9	0	0	8
9			0	0	851.2	3.0	0	0	854.1	7.9	0	0	850.9	2.7	0	0	9
10			0	0	850.9	2.7	0	0	854.0	7.5	0	0	850.8	2.7	0	0	10
11			0	0	850.6	2.5	0	0	853.9	7.3	0	0	850.6	2.5	0	0	11
12			0	0	850.3	2.3	0	0	853.9	7.3	0	0	850.4	2.4	0	0	12
13			0	0	850.0	2.1	0	0	853.8	7.0	0	0	850.3	2.3	0	0	13
14			0	0	849.7	1.9	0	0	853.7	6.8	0	0	850.2	2.2	0	0	14
15	843.1	0	0	0	852.6	4.6	1.4	0	853.6	6.6	0	0	850.0	2.1	0	0	15
16	853.4	6.1	3.1	0	852.5	4.4	0	0	853.5	6.4	0	0	849.9	2.0	0	0	16
17	853.1	5.4	0	0	852.4	4.3	0	0	853.4	6.1	0	0	849.8	2.0	0	0	17
18	853.0	5.2	0	0	852.2	4.0	0	0	853.3	5.9	0	0	849.8	2.0	0	0	18
19	852.6	4.6	0	0	853.5	6.4	1.4	0	853.2	5.7	0	0	849.8	2.0	0	0	19
20	852.2	4.0	0	0	856.4	20.3	7.2	0	853.2	5.7	0	0	849.8	2.0	0	0	20
21	851.7	3.4	0	0	856.1	18.1	0	0	853.1	5.4	0	0	858.2	36.2	18.2	0	21
22	851.2	3.0	0	0	855.9	16.7	0	0	853.0	5.2	0	0	860.3	60.7	14.4	0	22
23	850.8	2.7	0	0	855.8	16.1	0	0	852.9	5.0	0	0	860.0	56.8	0	0	23
24	850.3	2.3	0	0	855.6	14.9	0	0	852.8	4.9	0	0	859.8	54.4	0	0	24
25	843.1	0	0	1.0	855.5	14.4	0	0	852.8	4.9	0	0	859.6	52.0	0	0	25
26			0	0	855.3	13.2	0	0	852.7	4.8	0	0	859.4	49.6	0	0	26
27			0	0	855.2	12.6	0	0	852.7	4.8	0	0	859.3	48.4	0	0	27
28			0	0	855.2	12.6	0	0	852.6	4.6	0	0	859.1	46.0	0	0	28
29			0	0	855.0	11.4	0	0	852.5	4.4	0	0	858.9	43.7	0	0	29
30			0	0	854.9	11.0	0	0	852.3	4.2	0	0	858.8	42.7	0	0	30
31	843.1	0	0	0					852.2	4.0	0	0	858.7	41.6	0	0	31
TOTAL			3.1	1.5			11.8	0			0	0			32.6	0	
Inf. Ac. Ft.			6.1				23.4				0				64.7	94.2	
Outf. Ac. Ft.			3.0 + (4.8)				0 + (12.5)				0 + (7.0)				0 + (27.0)	3.0 + (51.3)	
Maximum Mean Daily Inflow			3.1				7.2				0				18.2	18.2	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	− 1.6					+ 11.0				− 7.0				+ 37.6		+ 40.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	863.3	feet	on	4/3/64	Storage	107.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	843.1	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	J. C. BARR	Dam Tender	Gage Hts. copied	AJF	RAP
Max. Peak Inf.	246.	C. F. S. from	2:00 A.M.	on	1/22/64	to	2:15 A.M.	on	1/22/64	R. V. WOOD	Hydrographer	Storage applied	AJF	RAP
Max. Peak Outf.	18.0	C. F. S. from	8:30 A.M.	on	5/12/64	to	11:30 A.M.	on	5/12/64		Hydrographer	Inf. & Outf. comp.	RAP	RAP

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

760138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam

On Eaton Wash for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 12.0 Square Miles. Capacity of Reservoir 872.8 Ac. Ft. at Spillway Elev. 887.5 Ft. as of February 1964 Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	858.5	39.8	0	0	856.0	17.3	0	0	862.8	99.0	38.1	0	858.4	38.7	0	0	1
2	858.4	38.7	0	0	856.0	17.3	0.3	0	863.2	105.8	5.9	0	858.3	37.6	0	0	2
3	858.3	37.6	0	0	855.9	16.7	0	0	863.1	104.1	1.7	0	858.2	36.5	0	0	3
4	858.2	36.5	0	0	855.9	16.7	0	0	862.9	100.6	0.7	0	858.1	35.4	0	0	4
5	858.0	34.3	0	0	855.8	16.1	0	0	862.6	95.7	0	0	858.0	34.3	0	0	5
6	857.9	33.4	0	0	855.8	16.1	0	0	862.3	90.8	0	0	857.9	33.4	0	0	6
7	857.8	32.4	0	0	855.7	15.5	0	0	862.1	87.4	0	0	857.8	32.4	0	0	7
8	857.7	31.5	0	0	855.7	15.5	0	0	861.9	84.3	0	0	857.7	31.5	0	0	8
9	857.6	30.5	0	0	855.6	14.9	0	0	861.7	81.3	0	0	857.6	30.5	0	0	9
10	857.5	29.6	0	0	855.5	14.4	0	0	861.5	78.2	0	0	857.5	29.6	0	0	10
11	857.4	28.7	0	0	855.5	14.4	0	0	861.3	75.2	0	0	855.4	13.8	0	8.0	11
12	857.3	27.7	0	0	855.5	14.4	0.3	0	861.1	72.2	0	0	843.1	0	0	7.0	12
13	857.2	26.8	0	0	855.5	14.4	0	0	860.9	69.4	0	0			0	0	13
14	857.1	25.8	0	0	855.4	13.8	0	0	860.7	66.7	0	0			0	0	14
15	857.0	24.9	0	0	855.4	13.8	0	0	860.5	64.0	0	0			0	0	15
16	856.9	24.1	0	0	855.3	13.2	0	0	860.4	62.7	0	0			0	0	16
17	856.8	23.4	0	0	855.2	12.6	0	0	860.2	60.0	0	0			0	0	17
18	856.8	23.4	0	0	855.2	12.6	0	0	860.1	58.6	0	0			0	0	18
19	856.7	22.6	0	0	855.1	12.0	0	0	860.0	57.3	0.6	0			0	0	19
20	856.6	21.9	0	0	855.1	12.0	0	0	859.8	54.9	0	0			0	0	20
21	856.6	21.9	0	0	855.0	11.4	0	0	859.7	53.7	0	0			0	0	21
22	856.5	21.1	0	0	857.1	25.8	7.7	0	859.6	52.5	0	0			0	0	22
23	856.4	20.3	0	0	857.6	30.5	2.9	0	859.4	50.0	0	0			0	0	23
24	856.3	19.6	0	0	857.6	30.5	0.5	0	859.3	48.8	0	0			0	0	24
25	856.3	19.6	0	0	857.5	29.6	0	0	859.1	46.4	0	0			0	0	25
26	856.2	19.8	0	0	857.4	28.7	0	0	859.0	45.2	0	0			0	0	26
27	856.1	18.1	0	0	857.3	27.7	0	0	858.9	44.1	0	0			0	0	27
28	856.1	18.1	0	0	857.2	26.8	0	0	858.8	43.0	0	0			0	0	28
29	856.0	17.3	0	0	857.1	25.8	0	0	858.6	40.8	0	0			0	0	29
30					857.0	24.9	0	0	858.5	39.8	0	0			0	0	30
31					858.0	34.3	5.4	0					843.1	0	0	0	31
TOTAL			0	0			17.1	0			47.0	0			0	15.0	
Inf. Ac. Ft.			0				33.9				93.2				0	221.3	
Outf. Ac. Ft.			0 + (24.3)				0 + (16.9)				0 + (87.7)				29.8+(10.1)	32.8+(190.3)	
Maximum Mean Daily Inflow			0				7.7				38.1				0	38.1	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	− 24.3					+ 17.0				+ 5.5				− 39.8		− 1.6	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	863.3	feet	on	4/3/64	Storage	107.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	843.1	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	J. C. BARR	Dam Tender	Gage Hts. copied	RAP	RB
Max. Peak Inf.	246.	C. F. S. from	2:00 A.M.	on	1/22/64	to	2:15 A.M.	on	1/22/64	R. V. WOOD	Hydrographer	Storage applied	RAP	RB
Max. Peak Outf.	18.0	C. F. S. from	8:30 A.M.	on	5/12/64	to	11:30 A.M.	on	5/12/64		Hydrographer	Inf. & Outf. comp.	RAP	RB

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

760138N-68B 3-64

Daily Gage Height in feet and Operation Record of EATON WASH Dam

On Eaton Wash for the Year Ending September 30, 1964

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 12.0 Square Miles. Capacity of Reservoir 872.8 Ac. Ft. at Spillway Elev. 887.5 Ft. as of February 1964 Gage Heights Read Daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	843.1	0	0	0	843.1	0	0	0	843.1	0	0	0	843.1	0	0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7	843.1	0	0	0			0	0			0	0			0	0	7
8	846.6	0.6	0.3	0			0	0			0	0			0	0	8
9	845.9	0.4	0.1	0			0	0			0	0			0	0	9
10	843.1	0	0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30	843.1	0	0	0			0	0			0	0	843.1	0	0	0	30
31					843.1	0	0	0	843.1	0	0	0					31
TOTAL			0.4	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0.8				0				0				0	222.1	
Outf. Ac. Ft.			0 + (0.8)				0				0				0	32.8 + (191.1)	
Maximum Mean Daily Inflow			0.3				0				0				0	38.1	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0				0				0				0			- 1.6	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

NO STORAGE

Max. W. S. Elev.	863.3	feet on	4/3/64	Storage	107.6	Acre Feet		
Min. W. S. Elev.	843.1	feet on	VARIOUS DAYS	Storage	0	Acre Feet		
Max. Peak Inf.	246.	C. F. S. from	2:00 A.M.	on	1/22/64	to 2:15 A.M.	on	1/22/64
Max. Peak Outf.	18.0	C. F. S. from	8:30 A.M.	on	5/12/64	to 11:30 A.M.	on	5/12/64

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
J. C. BARR	Dam Tender	Gage Hts. copied	RAP	FM
R. V. WOOD	Hydrographer	Storage applied	RAP	FM
	Hydrographer	Inf. & Outf. comp.	RAP	FM

760138N-68B 3-64

Daily Gage Height in feet and Operation Record of EATON WASH Dam

On Eaton Wash for the Year Ending September 30, 1965

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 12.0 Square Miles. Capacity of Reservoir 872.8 Ac. Ft. at Spillway Elev. 887.5 Ft. as of February 1964 Gage Heights Read Daily

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	843.1	0	0	0	843.1	0	0	0	856.1	18.1	0	0	857.3	27.7	0	0	1
2			0	0			0	0	856.0	17.3	0	0	857.1	25.8	0	0	2
3			0	0			0	0	855.9	16.7	0	0	857.0	24.9	0	0	3
4			0	0			0	0	855.8	16.1	0	0	856.8	23.4	0	0	4
5			0	0			0	0	855.7	15.5	0	0	856.7	22.6	0	0	5
6			0	0			0	0	855.6	14.9	0	0	856.6	21.9	0	0	6
7			0	0			0	0	855.5	14.4	0	0	857.3	27.7	3.2	0	7
8			0	0	843.1	0	0	0	855.4	13.8	0	0	857.2	26.8	0	0	8
9			0	0	857.1	25.8	15.0	0	855.3	13.2	0	0	857.1	25.8	0	0	9
10			0	0	858.0	34.3	5.9	0	855.2	12.6	0	0	857.0	24.9	0	0	10
11			0	0	857.7	31.5	0	0	855.1	12.0	0	0	856.9	24.1	0	0	11
12			0	0	857.5	29.6	0	0	855.0	11.4	0	0	856.8	23.4	0	0	12
13			0	0	857.3	27.7	0	0	854.9	11.0	0	0	856.6	21.9	0	0	13
14			0	0	857.2	26.8	0	0	854.8	10.6	0	0	856.5	21.1	0	0	14
15			0	0	857.0	24.9	0	0	854.7	10.2	0	0	856.4	20.3	0	0	15
16			0	0	856.8	23.4	0	0	854.6	9.8	0	0	856.3	19.6	0	0	16
17			0	0	857.8	32.4	5.5	0	854.5	9.4	0	0	856.2	19.8	0	0	17
18			0	0	857.6	30.5	0	0	854.4	9.1	0	0	856.1	18.1	0	0	18
19			0	0	857.5	29.6	0	0	854.4	9.1	0	0	856.1	18.1	0	0	19
20			0	0	857.3	27.7	0	0	855.4	13.8	3.0	0	856.0	17.3	0	0	20
21			0	0	857.1	25.8	0	0	855.7	15.5	1.3	0	855.9	16.7	0	0	21
22			0	0	857.0	24.9	0	0	855.5	14.4	0	0	855.8	16.1	0	0	22
23			0	0	856.9	24.1	0	0	855.4	13.8	0	0	855.8	16.1	0	0	23
24			0	0	856.8	23.4	0	0	855.4	13.8	0	0	856.0	17.3	0.7	0	24
25			0	0	856.7	22.6	0	0	855.4	13.8	0	0	856.0	17.3	0	0	25
26			0	0	856.6	21.9	0	0	855.3	13.2	0	0	855.9	16.7	0	0	26
27			0	0	856.5	21.1	0	0	857.2	26.8	8.8	0	855.8	16.1	0	0	27
28	843.1	0	0	0	856.4	20.3	0	0	857.7	31.5	3.4	0	855.7	15.5	0	0	28
29	847.7	1.0	0.5	0	856.3	19.6	0	0	857.7	31.5	0	0	855.7	15.5	0	0	29
30	845.0	0	0	0	856.2	18.8	0	0	857.5	29.6	0	0	855.6	14.9	0	0	30
31	843.1	0	0	0					857.4	28.7	0	0	855.5	14.4	0	0	31
TOTAL			0.5	0			26.4	0			16.5	0			3.9	0	
Inf. Ac. Ft.			1.0				52,449.2				32,724.6				7.7	93.8	
Outf. Ac. Ft.			0 + (1.0)				0 + (33.5)				0 + (22.8)				0 + (22.0)	0 + (79.3)	
Maximum Mean Daily Inflow			0.5				52.4				32.7				3.2	13.0	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0						+ 18.8				+ 9.9				- 13.3	+ 14.4	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

NO STORAGE

Max. W. S. Elev.	870.0	feet on	4/9/65	Storage	247.1	Acre Feet		
Min. W. S. Elev.	843.1	feet on	VARIOUS DAYS	Storage	0	Acre Feet		
Max. Peak Inf.	220.0	C. F. S. from	6:00 P.M.	on	4/9/65	to 6:15 P.M.	on	4/9/65
Max. Peak Outf.	114.0	C. F. S. from	1:15 P.M.	on	4/9/65	to 1:45 P.M.	on	4/9/65

REMARKS

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
J. BARR	Dam Tender	Gage Hts. copied	FM	TS
R. V. WOOD	Hydrographer	Storage applied	FM	TS
	Hydrographer	Inf. & Outf. comp.	FM	TS

76D136N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam

On Eaton Wash for the Year Ending September 30, 1965

Continuous Water Stage Recorder Au

Drainage Area 12.0 Square Miles. Capacity of Reservoir 872.8 Ac. Ft. at Spillway Elev. 887.5 Ft. as of February 1964 Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	855.4	13.8	0	0	853.7	6.8	0	0	860.8	69.0	30.3	0	843.1	0	0	0	1
2	855.3	13.2	0	0	853.5	6.4	0	0	863.3	107.6	22.0	0	843.1	0	0	0	2
3	855.3	13.2	0	0	853.3	5.9	0	0	864.9	136.9	17.3	0	849.3	1.7	0.9	0	3
4	855.2	12.6	0	0	852.9	5.0	0	0	865.5	148.8	9.6	0	850.6	2.5	0.4	0	4
5	855.5	14.4	1.2	0	852.5	4.4	0	0	865.6	150.7	3.5	0	850.5	2.4	0	0	5
6	855.6	14.9	0.6	0	852.1	3.8	0	0	865.4	146.8	0.7	0	850.4	2.4	0	0	6
7	855.6	14.9	0	0	852.0	3.7	0	0	865.2	142.8	0.5	0	850.3	2.3	0	0	7
8	855.5	14.4	0	0	851.7	3.4	0	0	868.1	203.3	34.0	0	850.3	2.3	0	0	8
9	855.4	13.8	0	0	851.2	3.0	0	0	869.9	244.7	49.1	24.5	850.2	2.2	0	0	9
10	855.3	13.2	0	0	850.8	2.7	0	0	868.3	207.8	20.9	35.4	850.1	2.2	0	0	10
11	855.3	13.2	0	0	850.4	2.4	0	0	867.1	181.7	8.8	18.0	849.9	2.0	0	0	11
12	855.2	12.6	0	0	850.6	2.5	0	0	865.9	156.7	7.9	16.0	849.9	2.0	0	0	12
13	855.2	12.6	0	0	851.3	3.1	0.4	0	864.4	127.5	6.6	14.6	849.8	2.0	0	0	13
14	855.1	12.0	0	0	851.1	2.9	0	0	863.1	104.1	2.4	8.2	849.7	1.9	0	0	14
15	855.0	11.4	0	0	851.5	3.2	0.3	0	861.9	84.3	3.1	9.0	849.6	1.9	0	0	15
16	854.9	11.0	0	0	851.2	3.0	0	0	860.7	66.7	3.1	9.0	849.6	1.9	0	0	16
17	854.8	10.6	0	0	850.8	2.7	0	0	859.3	48.8	0	9.0	849.6	1.9	0	0	17
18	854.7	10.2	0	0	850.6	2.5	0	0	857.7	31.5	0	8.2	849.5	1.8	0	0	18
19	854.7	10.2	0	0	850.2	2.2	0	0	845.6	0.3	0	12.0	849.5	1.8	0	0	19
20	854.6	9.8	0	0	850.0	2.1	0	0	847.5	0.9	0.5	0	849.4	1.7	0	0	20
21	854.6	9.8	0	0	849.8	2.0	0	0	847.0	0.7	0	0	849.4	1.7	0	0	21
22	854.5	9.4	0	0	849.6	1.9	0	0	843.1	0	0	0	849.3	1.7	0	0	22
23	854.4	9.1	0	0	849.5	1.8	0	0			0	0	849.2	1.6	0	0	23
24	854.3	8.7	0	0	849.5	1.8	0	0			0	0	847.8	1.0	0	0	24
25	854.2	8.3	0	0	849.4	1.7	0	0			0	0	843.1	0	0	0	25
26	854.1	7.9	0	0	849.3	1.7	0	0			0	0			0	0	26
27	854.0	7.5	0	0	849.2	1.6	0	0			0	0			0	0	27
28	853.9	7.0	0	0	849.2	1.6	0	0			0	0			0	0	28
29					849.1	1.6	0	0			0	0			0	0	29
30					849.0	1.5	0	0	843.1	0	0	0	843.1	0	0	0	30
31					854.6	9.8	4.5	0									31
TOTAL			1.8	0			5.2	0			219.3	163.9			1.3	0	
Inf. Ac. Ft.			3.6				10.3				435.0				2.6	526.0	
Outf. Ac. Ft.			0 + (10.9)				0 + (7.5)				325.1 + (119.0)				0 + (2.6)	328.3 + (197.7)	
Maximum Mean Daily Inflow			1.2				4.5				49.1				0.9	49.1	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change			- 7.4				+ 2.8				- 9.8			0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	870.0	feet	on	4/9/65	Storage	247.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	843.1	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	J. BARR	Dam Tender	Gage Hts. copied FM TS
Max. Peak Inf.	220.0	C. F. S. from	6:00 P.M.	on	4/9/65	to	6:15 P.M.	on	4/9/65	R. V. WOOD	Hydrographer	Storage applied FM TS
Max. Peak Outf.	114.0	C. F. S. from	1:15 P.M.	on	4/9/65	to	1:45 P.M.	on	4/9/65		Hydrographer	Inf. & Outf. comp. FM TS

REMARKS

76D136N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam

On Eaton Wash for the Year Ending September 30, 1965

Continuous Water Stage Recorder Au

Drainage Area 12.0 Square Miles. Capacity of Reservoir 872.8 Ac. Ft. at Spillway Elev. 887.5 Ft. as of February 1964 Gage Heights Read Daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	843.1	0	0	0	843.1	0	0	0	843.1	0	0	0	843.1	0	0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0	843.1	0	0	0	4
5			0	0			0	0			0	0	847.6	0.9	0.5	0	5
6			0	0			0	0			0	0	852.0	3.7	1.4	0	6
7			0	0			0	0			0	0	851.6	3.3	0	0	7
8			0	0			0	0			0	0	851.3	3.1	0	0	8
9			0	0			0	0			0	0	851.0	2.8	0	0	9
10			0	0			0	0			0	0	850.6	2.5	0	0	10
11			0	0			0	0			0	0	850.3	2.3	0	0	11
12			0	0			0	0			0	0	849.9	2.0	0	0	12
13			0	0			0	0			0	0	849.7	1.9	0	0	13
14			0	0			0	0			0	0	849.6	1.9	0	0	14
15		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0	849.4	1.7	0	0	15
16			0	0			0	0			0	0	850.3	2.3	0.3	0	16
17			0	0			0	0			0	0	852.2	4.0	0.8	0	17
18			0	0			0	0			0	0	853.4	6.1	1.1	0	18
19			0	0			0	0			0	0	853.5	6.4	0.1	0	19
20			0	0			0	0			0	0	853.3	5.9	0	0	20
21			0	0			0	0			0	0	852.9	5.0	0	0	21
22			0	0			0	0			0	0	852.4	4.3	0	0	22
23			0	0			0	0			0	0	851.9	3.6	0	0	23
24			0	0			0	0			0	0	851.5	3.2	0	0	24
25			0	0			0	0			0	0	851.0	2.8	0	0	25
26			0	0			0	0			0	0	850.5	2.4	0	0	26
27			0	0			0	0			0	0	849.9	2.0	0	0	27
28			0	0			0	0			0	0	849.7	1.9	0	0	28
29			0	0			0	0			0	0	849.5	1.8	0	0	29
30	843.1	0	0	0			0	0			0	0	849.3	1.7	0	0	30
31					843.1	0	0	0	843.1	0	0	0					31
TOTAL			0	0			0	0			0	0			4.2	0	
Inf. Ac. Ft.			0				0				0				8.3	534.3	
Outf. Ac. Ft.			0				0				0				0 + (6.5)	328.3 + (204.2)	
Maximum Mean Daily Inflow			0				0				0				1.4	49.1	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0					0			0					+ 1.7		+ 1.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	870.0	feet	on	4/9/65	Storage	247.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	843.1	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	J. BARR	Dam Tender	Gage Hts. copied FM TS
Max. Peak Inf.	220.0	C. F. S. from	6:00 P.M.	on	4/9/65	to	6:15 P.M.	on	4/9/65	R. V. WOOD	Hydrographer	Storage applied FM TS
Max. Peak Outf.	114.0	C. F. S. from	1:15 P.M.	on	4/9/65	to	1:45 P.M.	on	4/9/65		Hydrographer	Inf. & Outf. comp. FM TS

REMARKS

760138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SANTA ANITA Dam

In Santa Anita Canyon for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 10.8 Square Miles. Capacity of Reservoir 629.5 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of April 1962 Gage Heights Read Daily

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,182.3	0	1.1	1.1	1,222.5	41.5	1.1	0.1	1,250.3	134.1	1.4	0.1	1,264.8	204.1	1.1	0.1	1
2			1.2	1.2	1,223.2	43.2	1.1	0.1	1,250.9	136.7	1.4	0.1	1,265.1	205.8	1.1	0.1	2
3			1.2	1.2	1,224.0	45.2	1.0	0.1	1,251.4	138.8	1.4	0.1	1,265.5	208.0	1.1	0.1	3
4			1.2	1.2	1,224.8	47.2	1.0	0.1	1,252.0	141.4	1.3	0.1	1,265.8	209.7	1.1	0.1	4
5			1.2	1.2	1,225.5	49.0	1.0	0.1	1,252.6	144.0	1.3	0.1	1,266.2	211.9	1.1	0.1	5
6			1.2	1.2	1,226.8	52.4	1.9	0.1	1,253.1	146.2	1.3	0.1	1,266.5	213.6	1.1	0.1	6
7			1.2	1.2	1,227.9	55.3	1.5	0.1	1,253.6	148.5	1.3	0.1	1,266.9	215.8	1.1	0.1	7
8			1.2	1.2	1,228.8	57.8	1.4	0.1	1,254.1	150.8	1.3	0.1	1,267.3	218.1	1.1	0.1	8
9			1.2	1.2	1,229.7	60.4	1.4	0.1	1,254.6	153.1	1.3	0.1	1,267.6	219.8	1.1	0.1	9
10	1,182.3	0	1.2	1.2	1,230.3	62.2	1.1	0.1	1,255.2	155.8	1.2	0.1	1,267.9	221.5	1.1	0.1	10
11	1,192.0	1.9	1.1	0.1	1,231.0	64.3	1.1	0.1	1,255.7	158.1	1.2	0.1	1,268.2	223.3	1.1	0.1	11
12	1,196.1	3.7	1.0	0.1	1,231.7	66.4	1.1	0.1	1,256.2	160.4	1.2	0.1	1,268.6	225.6	1.1	0.1	12
13	1,198.5	5.2	0.8	0.1	1,232.3	68.2	1.0	0.1	1,256.7	162.8	1.2	0.1	1,268.9	227.3	1.1	0.1	13
14	1,200.3	6.4	0.7	0.1	1,233.0	70.4	1.2	0.1	1,257.2	165.2	1.2	0.1	1,269.2	229.1	1.1	0.1	14
15	1,202.0	7.8	0.8	0.1	1,234.2	74.3	2.1	0.1	1,257.7	167.6	1.2	0.1	1,257.6	167.1	1.6	30.6	15
16	1,203.9	9.6	1.0	0.1	1,235.3	77.9	1.9	0.1	1,258.2	170.0	1.2	0.1	1,246.5	118.5	1.5	27.0	16
17	1,205.5	11.4	1.0	0.1	1,236.3	81.2	1.8	0.1	1,258.6	171.9	1.2	0.1	1,243.4	106.5	1.5	8.8	17
18	1,207.2	13.5	1.2	0.1	1,237.1	83.9	1.4	0.1	1,259.1	174.4	1.2	0.1	1,244.3	109.9	1.9	0.2	18
19	1,208.8	15.6	1.2	0.1	1,238.1	87.4	1.9	0.1	1,259.6	176.9	1.2	0.1	1,245.2	113.4	1.9	0.2	19
20	1,210.1	17.4	1.2	0.1	1,240.4	95.4	4.1	0.1	1,260.0	178.9	1.2	0.1	1,246.1	116.9	2.0	0.2	20
21	1,211.3	19.3	1.1	0.1	1,242.0	101.3	3.1	0.1	1,260.5	181.4	1.2	0.1	1,250.9	136.7	10.2	0.2	21
22	1,212.5	21.2	1.1	0.1	1,243.3	106.1	2.5	0.1	1,260.9	183.5	1.2	0.1	1,257.3	165.6	14.8	0.2	22
23	1,213.8	23.5	1.1	0.1	1,244.4	110.3	2.2	0.1	1,261.3	185.6	1.2	0.1	1,259.1	174.4	4.5	0.1	23
24	1,215.3	26.2	1.1	0.1	1,245.3	113.8	1.9	0.1	1,261.7	187.6	1.2	0.1	1,260.4	180.9	3.4	0.1	24
25	1,216.6	28.6	1.1	0.1	1,246.2	117.3	1.9	0.1	1,262.1	189.7	1.2	0.1	1,261.6	187.1	3.2	0.1	25
26	1,217.6	30.6	1.1	0.1	1,246.9	120.1	1.6	0.1	1,262.5	191.8	1.2	0.1	1,262.7	192.9	3.0	0.1	26
27	1,219.4	32.3	1.1	0.1	1,247.7	123.4	1.6	0.1	1,262.9	194.0	1.2	0.1	1,263.7	198.2	2.8	0.1	27
28	1,219.3	34.3	1.1	0.1	1,248.4	126.2	1.5	0.1	1,263.3	196.1	1.2	0.1	1,256.8	163.3	3.3	19.2	28
29	1,220.1	36.0	1.1	0.1	1,249.1	129.1	1.5	0.1	1,263.6	197.7	1.2	0.1	1,244.2	109.6	3.3	31.0	29
30	1,220.9	37.9	1.1	0.1	1,249.7	131.6	1.5	0.1	1,264.0	199.8	1.2	0.1	1,241.1	98.0	3.3	10.2	30
31	1,221.7	39.6	1.1	0.1					1,264.3	201.4	1.1	0.1	1,242.8	104.3	3.2	0.1	31
TOTAL			34.0	14.0			49.4	3.0			38.3	3.1			80.8	129.6	
Inf. Ac. Ft.			67.4				98.0				76.0				160.3	401.7	
Outf. Ac. Ft.			27.8				6.0				6.1				257.5	297.4	
Maximum Mean Daily Inflow			1.2				4.1				1.4				14.8	14.8	
Minimum Mean Daily Inflow			0.7				1.0				1.1				1.1	0.7	
Storage Change	+ 39.6				+ 92.0				+ 69.8				- 97.1			+ 104.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,283.3	feet	on 4/6/64	Storage	322.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,182.3	feet	on VARIOUS DAYS	Storage	0	Acre Feet	R. S. SANDERS	Dam Tender	Gage Hts. copied	RAP	RAP
Max. Peak Inf.	52.8	C. F. S. from	8:00 A.M. on 4/1/64	to	8:15 A.M.	on 4/1/64	R. V. WOOD	Hydrographer	Storage applied	RAP	RAP
Max. Peak Outf.	286	C. F. S. from	10:30 A.M. on 1/15/64	to	11:30 A.M.	on 1/15/64		Hydrographer	Inf. & Outf. comp.	RAP	RAP

REMARKS (INDICATES AVERAGE FOR PERIOD

760138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SANTA ANITA Dam

In Santa Anita Canyon for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 10.8 Square Miles. Capacity of Reservoir 629.5 Ac. Ft. at Spillway Elev. 1,316.0 Ft. as of April 1962 Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,244.1	109.2	2.6	0.1	1,263.5	197.2	1.5	0.1	1,273.9	258.0	32.4	0.1	1,265.9	210.2	2.2	+	1
2	1,245.3	113.8	2.4	0.1	1,264.2	200.9	1.9	0.1	1,277.8	283.6	13.0	0.1	1,266.6	214.2	2.0	+	2
3	1,246.5	118.5	2.5	0.1	1,264.6	203.0	1.2	0.1	1,280.0	298.6	7.6	0.1	1,267.3	218.1	2.0	+	3
4	1,247.6	123.0	2.3	0.1	1,265.0	205.2	1.2	0.1	1,281.6	309.9	5.8	0.1	1,258.3	170.5	1.0	25.0	4
5	1,248.6	127.1	2.2	0.1	1,265.5	208.0	1.5	0.1	1,282.9	319.2	4.8	0.1	1,246.1	116.9	4.0	31.0	5
6	1,249.6	131.2	2.2	0.1	1,265.9	210.2	1.2	0.1	1,278.5	288.3	6.2	21.8	1,242.2	102.0	4.0	11.5	6
7	1,250.5	135.0	2.0	0.1	1,266.4	213.0	1.5	0.1	1,270.3	235.6	4.5	31.0	1,242.6	103.5	4.3	3.6	7
8	1,251.3	138.4	1.8	0.1	1,266.8	215.3	1.3	0.1	1,260.3	180.4	3.1	31.0	1,242.0	101.3	3.5	4.6	8
9	1,252.0	141.4	1.8	0.1	1,255.4	156.7	0.2	29.8	1,249.5	130.8	4.0	29.0	1,241.7	100.2	3.6	4.1	9
10	1,252.7	144.5	1.8	0.1	1,243.0	105.0	2.2	28.2	1,242.2	102.0	6.5	21.0	1,241.8	100.6	2.7	2.5	10
11	1,253.5	148.0	1.7	0.1	1,244.2	109.6	2.4	0.1	1,244.4	110.3	4.3	0.1	1,241.7	100.2	2.9	3.1	11
12	1,254.2	151.2	1.7	0.1	1,245.4	114.2	2.4	0.1	1,246.3	117.7	3.8	0.1	1,241.7	100.2	2.5	2.5	12
13	1,254.9	154.4	1.6	0.1	1,246.4	118.1	2.1	0.1	1,247.8	123.8	3.1	0	1,241.6	99.8	2.3	2.5	13
14	1,255.5	157.2	1.5	0.1	1,247.2	121.3	1.7	0.1	1,249.2	129.5	2.9	0	1,241.5	99.4	1.8	2.0	14
15	1,256.2	160.4	1.4	0	1,248.0	124.6	1.8	0.1	1,250.5	135.0	2.8	0	1,241.5	99.4	1.5	1.5	15
16	1,256.7	162.8	1.3	0	1,248.6	127.1	1.3	0.1	1,251.6	139.7	2.3	0	1,241.5	99.4	1.5	1.5	16
17	1,257.3	165.6	1.3	0	1,249.1	129.1	1.1	0	1,252.7	144.5	2.4	0	1,241.4	99.1	1.3	1.5	17
18	1,257.8	168.0	1.3	0	1,249.6	131.2	1.1	0	1,253.9	149.8	2.7	0	1,241.3	98.7	1.8	2.0	18
19	1,258.3	170.5	1.3	0	1,250.1	133.2	1.0	0	1,255.1	155.4	2.8	0	1,241.1	98.0	1.7	2.0	19
20	1,258.8	172.9	1.3	0	1,250.6	135.4	1.1	0	1,256.3	160.9	2.3	0	1,240.8	96.9	1.4	2.0	20
21	1,259.3	175.4	1.2	0	1,251.2	138.0	1.3	0	1,257.3	165.6	2.4	0	1,239.9	93.6	1.0	2.0	21
22	1,259.8	177.9	1.2	0	1,252.6	144.0	3.0	0	1,258.2	170.0	2.2	0	1,239.1	90.8	1.0	2.5	22
23	1,260.2	179.9	1.2	0	1,254.5	152.6	4.4	0	1,259.2	174.9	2.5	0	1,238.2	87.7	1.1	2.5	23
24	1,260.7	182.5	1.2	0	1,256.1	160.0	3.7	0	1,260.1	179.4	2.2	0	1,237.4	85.0	1.1	3.1	24
25	1,261.1	184.5	1.2	0	1,257.3	165.6	2.8	0	1,260.9	183.5	2.1	0	1,236.3	81.2	1.1	3.1	25
26	1,261.6	187.1	1.2	0	1,258.4	171.0	2.8	0	1,261.7	187.6	2.1	0	1,235.4	78.2	1.6	3.1	26
27	1,262.0	189.2	1.2	0	1,259.5	176.4	2.7	0	1,262.4	191.3	1.8	0	1,234.3	74.6	1.8	3.6	27
28	1,262.5	191.8	1.1	0	1,260.4	180.9	2.2	0	1,263.4	196.6	2.7	0	1,233.3	71.4	1.7	3.4	28
29	1,263.0	194.5	1.4	0	1,261.1	184.5	1.9	0	1,264.3	201.4	2.4	0	1,232.3	68.2	1.8	3.4	29
30					1,261.8	188.2	1.8	0	1,265.1	205.8	2.2	0	1,231.0	64.3	1.5	3.4	30
31					1,262.9	194.0	2.9	0					1,229.8	60.7	1.5	3.4	31
TOTAL			46.9	1.4			59.2	59.4			140.4	134.5			63.2	136.4	
Inf. Ac. Ft.			93.0				117.4				278.5				125.4	1,016.0	
Outf. Ac. Ft.			2.8				117.8				266.8				270.5	955.3	
Maximum Mean Daily Inflow			2.6				4.4				32.4				4.0	32.4	
Minimum Mean Daily Inflow			1.1				0.2				1.8				1.0	0.2	
Storage Change	+ 90.2				- 0.5				+ 11.8				- 145.1			+ 60.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,283.3	feet	on 4/6/64	Storage	322.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,182.3	feet	on VARIOUS DAYS	Storage	0	Acre Feet	R. S. SANDERS	Dam Tender	Gage Hts. copied	RAP	FM
Max. Peak Inf.	52.8	C. F. S. from	8:00 A.M. on 4/1/64	to	8:15 A.M.	on 4/1/64	R. V. WOOD	Hydrographer	Storage applied	RAP	FM
Max. Peak Outf.	286	C. F. S. from	10:30 A.M. on 1/15/64	to	11:30 A.M.	on 1/15/64		Hydrographer	Inf. & Outf. comp.	RAP	FM

REMARKS (INDICATES AVERAGE FOR PERIOD

760138N-698 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SANTA ANITA Dam

In Santa Anita Canyon for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 10.8 Square Miles. Capacity of Reservoir 629.5 Ac. Ft. at Spillway Elev. 1,316.0 Ft. as of April 1962 Gage Heights Read Daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1,228.5	57.0	1.5	3.4	1,222.5	41.5	0.4	+	1,232.7	69.5	0.8	0.4	1,234.3	74.6	0.8	0.6	1
2	1,227.1	53.2	1.5	3.4	1,223.2	43.2	1.3		1,232.9	70.1	0.7	0.4	1,234.3	74.6	0.6	0.6	2
3	1,225.8	49.7	1.7	3.4	1,223.8	44.7	0.8		1,233.1	70.7	0.7	0.4	1,234.3	74.6	0.6	0.6	3
4	1,224.6	46.7	1.7	3.3	1,224.4	46.2	0.7		1,233.3	71.4	0.7	0.4	1,234.3	74.6	0.6	0.6	4
5	1,223.4	43.7	1.9	3.4	1,224.9	47.4	0.6		1,233.5	72.0	0.7	0.4	1,234.3	74.6	0.6	0.6	5
6	1,222.0	40.3	1.7	3.4	1,225.4	48.7	0.7		1,233.7	72.6	0.7	0.4	1,234.3	74.6	0.6	0.6	6
7	1,220.5	36.9	1.7	3.4	1,225.9	50.0	0.6		1,233.7	72.6	0.7	0.7	1,234.3	74.6	0.7	0.6	7
8	1,219.2	34.0	1.9	3.4	1,226.4	51.3	0.7		1,233.7	72.6	0.7	0.7	1,234.3	74.6	0.5	0.6	8
9	1,218.1	31.6	2.2	3.4	1,226.9	52.6	0.7	+	1,233.7	72.6	0.7	0.7	1,234.3	74.6	0.5	0.5	9
10	1,216.9	29.2	2.2	3.4	1,227.4	54.0	0.8	0.1	1,233.8	73.0	0.9	0.7	1,234.3	74.6	0.5	0.5	10
11	1,215.4	26.4	1.9	3.3	1,227.9	55.3	0.7	0.1	1,233.8	73.0	0.7	0.7	1,234.3	74.6	0.5	0.5	11
12	1,215.2	26.0	1.6	1.9	1,228.4	56.7	0.8	0.1	1,233.9	73.3	0.9	0.7	1,234.2	74.3	0.3	0.5	12
13	1,215.7	26.9	1.5	1.0	1,228.9	58.1	0.8	0.1	1,233.9	73.3	0.7	0.7	1,234.2	74.3	0.5	0.5	13
14	1,216.1	27.7	1.4	1.0	1,229.3	59.3	0.7	0.1	1,234.0	73.6	0.8	0.7	1,234.1	73.9	0.3	0.5	14
15	1,216.4	28.3	1.3	1.0	1,229.4	59.6	0.8	0.6	1,234.0	73.6	0.7	0.7	1,234.1	73.9	0.5	0.5	15
16	1,216.7	28.8	1.2	1.0	1,229.5	59.8	0.8	0.7	1,234.1	73.9	0.8	0.6	1,234.1	73.9	0.5	0.5	16
17	1,217.0	29.4	1.3	1.0	1,229.7	60.4	0.7	0.4	1,234.1	73.9	0.6	0.6	1,234.1	73.9	0.5	0.5	17
18	1,217.3	30.0	1.3	1.0	1,229.9	61.0	0.7	0.4	1,234.1	73.9	0.6	0.6	1,234.2	74.3	0.8	0.6	18
19	1,217.6	30.6	1.2	0.9	1,230.1	61.6	0.7	0.4	1,234.1	73.9	0.6	0.6	1,234.2	74.3	0.6	0.6	19
20	1,217.7	30.8	1.1	1.0	1,230.3	62.2	0.7	0.4	1,234.1	73.9	0.6	0.6	1,234.2	74.3	0.6	0.6	20
21	1,217.7	30.8	1.0	1.0	1,230.5	62.8	0.7	0.4	1,234.1	73.9	0.6	0.6	1,234.3	74.6	0.8	0.6	21
22	1,217.8	31.0	1.2	1.1	1,230.8	63.7	0.9	0.4	1,234.1	73.9	0.6	0.6	1,234.3	74.6	0.6	0.6	22
23	1,217.7	30.8	1.0	1.1	1,231.0	64.3	0.7	0.4	1,234.1	73.9	0.6	0.6	1,234.3	74.6	0.6	0.6	23
24	1,217.6	30.6	1.0	1.1	1,231.2	64.9	0.7	0.4	1,234.1	73.9	0.6	0.6	1,234.3	74.6	0.6	0.6	24
25	1,218.0	31.4	1.0	0.6	1,231.3	65.2	0.5	0.4	1,234.0	73.6	0.4	0.6	1,234.4	74.9	0.7	0.6	25
26	1,218.9	33.4	1.0	+	1,231.5	65.8	0.7	0.4	1,234.0	73.6	0.6	0.6	1,234.4	74.9	0.6	0.6	26
27	1,219.8	35.4	1.0		1,231.7	66.4	0.7	0.4	1,234.0	73.6	0.6	0.6	1,234.4	74.9	0.6	0.6	27
28	1,220.4	36.7	0.7		1,231.9	67.0	0.7	0.4	1,234.1	73.9	0.8	0.6	1,234.4	74.9	0.6	0.6	28
29	1,221.2	38.5	0.9		1,232.1	67.6	0.7	0.4	1,234.1	73.9	0.6	0.6	1,234.4	74.9	0.6	0.6	29
30	1,221.8	39.8	0.7	+	1,232.3	68.2	0.7	0.4	1,234.2	74.3	0.8	0.6	1,234.4	74.9	0.6	0.6	30
31					1,232.5	68.8	0.7	0.4	1,234.2	74.3	0.6	0.6					31
TOTAL			41.3	51.8			22.4	7.8			21.1	18.3			17.4	17.1	
Inf. Ac. Ft.			81.9				44.4				41.9				34.5	1,218.7	
Outf. Ac. Ft.			102.7				15.5				36.3				33.9	1,143.7	
Maximum Mean Daily Inflow			2.2				1.3				0.9				0.8	32.4	
Minimum Mean Daily Inflow			0.7				0.4				0.4				0.3	0.2	
Storage Change		− 20.9				+ 29.0				+ 5.5				+ 0.6		+ 74.9	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,283.3	feet	on	4/6/64	Storage	322.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	1,182.3	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	R. S. SANDERS	Dam Tender	Gage Hts. copied RAP FM
Max. Peak Inf.	52.8	C. F. S. from	8:00 A.M.	on	4/1/64	to	8:15 A.M.	on	4/1/64	R. V. WOOD	Hydrographer	Storage applied RAP FM
Max. Peak Outf.	286.	C. F. S. from	10:30 A.M.	on	1/15/64	to	11:30 A.M.	on	11/15/64		Hydrographer	Inf. & Outf. comp. RAP FM

REMARKS (INDICATES AVERAGE FOR PERIOD

760138N-698 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SANTA ANITA Dam

In Santa Anita Canyon for the Year Ending September 30, 1965

Continuous Water Stage Recorder Au

Drainage Area 10.8 Square Miles. Capacity of Reservoir 629.5 Ac. Ft. at Spillway Elev. 1,316.0 Ft. as of April 1962 Gage Heights Read Daily

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1,234.4	74.9	0.6	0.6	1,233.6	72.3	0.7	0.5	1,243.6	107.3	1.2	0.6	1,261.1	184.5	2.4	0.6	1
2	1,234.4	74.9	0.6	0.6	1,233.7	72.6	0.5	0.4	1,243.8	108.0	1.0	0.6	1,261.6	187.1	1.9	0.6	2
3	1,234.3	74.6	0.4	0.6	1,233.8	73.0	0.6	0.4	1,244.0	108.8	1.0	0.6	1,262.1	189.7	1.9	0.6	3
4	1,234.2	74.3	0.4	0.5	1,233.9	73.3	0.6	0.4	1,244.1	109.2	0.8	0.6	1,262.6	192.4	2.0	0.6	4
5	1,234.2	74.3	0.5	0.5	1,234.0	73.6	0.5	0.4	1,244.3	109.9	0.9	0.6	1,263.0	194.5	1.7	0.6	5
6	1,234.1	73.9	0.2	0.4	1,234.1	73.9	0.6	0.4	1,244.4	110.3	0.8	0.6	1,263.4	196.6	1.5	0.6	6
7	1,234.0	73.6	0.2	0.4	1,234.2	74.3	0.6	0.4	1,244.6	111.1	1.0	0.6	1,264.9	204.7	4.4	0.3	7
8	1,234.0	73.6	0.4	0.4	1,234.2	74.3	0.4	0.4	1,244.7	111.5	0.8	0.6	1,266.0	210.8	3.1	0	8
9	1,234.0	73.6	0.4	0.4	1,234.8	76.2	1.3	0.4	1,244.9	112.2	1.0	0.6	1,266.8	215.3	2.2	0	9
10	1,233.9	73.3	0.3	0.4	1,235.8	79.5	2.2	0.5	1,245.1	113.0	1.0	0.6	1,267.4	218.7	1.8	0	10
11	1,233.8	73.0	0.3	0.5	1,236.9	83.3	2.4	0.5	1,245.2	113.4	0.8	0.6	1,268.1	222.7	2.0	0	11
12	1,233.7	72.6	0.3	0.5	1,237.7	86.0	1.9	0.5	1,245.4	114.2	1.0	0.6	1,268.7	226.2	1.7	0	12
13	1,233.6	72.3	0.5	0.6	1,238.2	87.7	1.3	0.5	1,245.5	114.6	0.8	0.6	1,269.3	229.7	1.8	0	13
14	1,233.6	72.3	0.6	0.6	1,238.7	89.4	1.4	0.5	1,245.7	115.3	0.9	0.6	1,269.9	233.2	1.8	0	14
15	1,233.5	72.0	0.4	0.6	1,239.1	90.8	1.2	0.5	1,245.8	115.7	0.8	0.6	1,270.3	235.6	1.2	0	15
16	1,233.5	72.0	0.6	0.6	1,239.4	91.9	1.0	0.5	1,246.0	116.5	1.0	0.6	1,270.8	238.6	1.5	0	16
17	1,233.4	71.7	0.5	0.6	1,240.3	95.1	2.1	0.5	1,246.2	117.3	1.0	0.6	1,271.3	241.7	1.6	0	17
18	1,233.4	71.7	0.6	0.6	1,240.9	97.2	1.6	0.5	1,246.3	117.7	0.8	0.6	1,271.8	244.8	1.5	0	18
19	1,233.3	71.4	0.3	0.5	1,241.2	98.3	1.1	0.5	1,246.6	118.9	1.3	0.6	1,272.2	247.2	1.2	0	19
20	1,233.2	71.0	0.3	0.5	1,241.5	99.4	1.0	0.5	1,248.1	125.0	3.6	0.6	1,272.7	250.3	1.6	0	20
21	1,233.2	71.0	0.5	0.5	1,241.5	99.4	0.5	0.5	1,249.6	131.2	3.8	0.6	1,273.1	252.8	1.2	0	21
22	1,233.1	70.7	0.4	0.5	1,241.4	99.1	0.4	0.5	1,250.6	135.4	2.7	0.6	1,273.6	256.0	1.7	0	22
23	1,233.1	70.7	0.5	0.5	1,241.6	99.8	0.8	0.5	1,251.2	138.0	1.9	0.6	1,274.0	258.6	1.3	0	23
24	1,233.1	70.7	0.5	0.5	1,241.9	100.9	1.1	0.5	1,251.8	140.5	1.9	0.6	1,274.6	262.4	1.9	0	24
25	1,233.1	70.7	0.5	0.5	1,242.1	101.7	0.9	0.5	1,252.2	142.3	1.5	0.6	1,275.0	265.0	1.3	0	25
26	1,233.1	70.7	0.5	0.5	1,242.3	102.4	0.8	0.5	1,252.7	144.5	1.7	0.6	1,275.4	267.6	1.3	0	26
27	1,233.1	70.7	0.5	0.5	1,242.6	103.5	1.1	0.5	1,255.3	156.3	6.5	0.6	1,275.8	270.3	1.4	0	27
28	1,233.2	71.0	0.6	0.5	1,242.8	104.3	0.9	0.5	1,257.4	166.1	5.6	0.6	1,276.2	272.9	1.3	0	28
29	1,233.3	71.4	0.7	0.5	1,243.0	105.0	0.8	0.5	1,258.7	172.4	3.7	0.6	1,276.5	274.9	1.0	0	29
30	1,233.4	71.7	0.7	0.5	1,243.3	106.1	1.2	0.6	1,259.6	176.9	2.9	0.6	1,276.8	276.9	1.0	0	30
31	1,233.5	72.0	0.6	0.5					1,260.4	180.9	2.6	0.6	1,277.2	279.5	1.3	0	31
TOTAL			14.4	15.9			31.5	14.3			56.3	18.6			53.6	3.9	
Inf. Ac. Ft.			28.6				62.5				111.7				106.3	309.1	
Outf. Ac. Ft.			31.5				28.4				36.9				7.7	104.5	
Maximum Mean Daily Inflow			0.7				2.4				6.5				4.4	6.5	
Minimum Mean Daily Inflow			0.2				0.5				0.8				0	0	
Storage Change		− 2.9				+ 34.1				+ 74.8				+ 98.6		+204.6	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,287.3	feet	on	4/11/65	Storage	352.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	1,182.3	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	R. E. SANDERS	Dam Tender	Gage Hts. copied FM TS
Max. Peak Inf.	130.2	C. F. S. from	8:30 P.M.	on	4/9/65	to	8:45 P.M.	on	4/9/65	R. V. WOOD	Hydrographer	Storage applied FM TS
Max. Peak Outf.	289.	C. F. S. from	3:00 P.M.	on	4/16/65	to	3:30 P.M.	on	4/16/65		Hydrographer	Inf. & Outf. comp. FM TS

REMARKS

76D136N-6BB 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SANTA ANITA Dam

In Santa Anita Canyon for the Year Ending September 30, 1965

Continuous Water Stage Recorder Au

Drainage Area 10.8 Square Miles. Capacity of Reservoir 629.5 Ac. Ft. at Spillway Elev. 1,316.0 Ft. as of April 1962 Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,277.5	281.6	1.1	0	1,248.3	125.8	1.2	0	1,254.3	151.7	23.7	0	1,244.7	111.5	5.5	0	1
2	1,277.8	283.6	1.0	0	1,248.9	128.3	1.3	0	1,267.2	217.5	33.2	0	1,247.4	122.1	5.3	0	2
3	1,278.1	285.6	1.0	0	1,249.5	130.8	1.2	0	1,273.5	255.4	19.1	0	1,250.0	132.8	5.4	0	3
4	1,278.4	287.6	1.0	0	1,250.2	133.7	1.5	0	1,278.4	287.6	16.3	0	1,252.2	142.3	4.8	0	4
5	1,278.8	290.3	1.3	0	1,250.7	135.8	1.1	0	1,281.6	309.9	11.2	0	1,254.5	152.6	5.2	0	5
6	1,279.6	295.8	2.8	0	1,251.2	138.0	1.1	0	1,284.1	327.9	9.1	0	1,256.6	162.3	4.9	0	6
7	1,280.2	300.0	2.1	0	1,251.8	140.5	1.2	0	1,281.8	311.3	10.7	19.1	1,253.5	171.4	4.6	0	7
8	1,280.7	303.5	1.8	0	1,252.4	143.2	1.4	0	1,281.5	309.2	29.0	30.0	1,260.2	179.9	4.3	0	8
9	1,281.1	306.3	1.4	0	1,252.9	145.4	1.1	0	1,286.1	342.9	50.2	33.3	1,261.8	188.2	4.2	0	9
10	1,281.5	309.2	1.5	0	1,253.4	147.6	1.1	0	1,287.2	351.2	49.6	45.4	1,254.9	154.4	4.3	21.4	10
11	1,281.8	311.3	1.0	0	1,254.0	150.3	1.4	0	1,286.9	348.9	28.1	29.2	1,241.5	99.4	5.2	32.9	11
12	1,282.2	314.1	1.4	0	1,254.5	152.6	1.1	0	1,284.8	333.1	21.2	29.2	1,226.4	51.3	6.4	30.7	12
13	1,282.5	316.3	1.2	0	1,255.2	155.8	1.6	0	1,281.9	312.0	19.6	29.2	1,182.3	0	3.3	29.1	13
14	1,282.8	318.5	1.1	0	1,255.9	159.0	1.6	0	1,278.3	286.9	15.8	28.5			5.6	5.6	14
15	1,277.9	284.2	1.6	18.9	1,256.6	162.3	1.7	0	1,274.3	260.5	14.4	27.7			6.2	6.2	15
16	1,268.7	226.2	1.6	30.9	1,257.1	164.7	1.2	0	1,263.8	198.7	14.2	45.4			7.2	7.2	16
17	1,256.5	161.8	1.0	33.4	1,257.7	167.6	1.5	0	1,265.1	205.8	16.0	12.4			4.1	4.1	17
18	1,242.9	104.3	2.2	31.2	1,258.2	170.0	1.2	0	1,266.0	210.8	14.9	12.4			4.6	4.6	18
19	1,239.0	90.5	3.6	10.6	1,258.6	171.9	1.0	0	1,265.1	205.8	13.2	15.7			3.1	3.1	19
20	1,240.4	95.4	2.5	0	1,259.0	173.9	1.0	0	1,262.6	192.4	12.0	18.7			3.1	3.1	20
21	1,241.6	99.8	2.2	0	1,259.5	176.4	0.5	0	1,259.2	174.9	10.2	19.1			2.5	2.5	21
22	1,242.7	103.9	2.1	0	1,259.8	177.9	0.5	0	1,253.7	149.0	9.7	21.7			3.1	3.1	22
23	1,243.7	107.7	1.9	0	1,260.2	179.9	0.5	0	1,245.9	116.1	7.7	24.3			3.1	3.1	23
24	1,244.6	111.1	1.7	0	1,254.3	151.7	0.5	14.4	1,237.8	86.3	8.6	23.6	1,182.3	0	3.1	3.1	24
25	1,245.4	114.2	1.6	0	1,243.3	106.1	0.5	22.3	1,228.9	58.1	8.0	22.2	1,191.7	1.8	4.0	3.1	25
26	1,246.2	117.3	1.5	0	1,237.8	86.3	1.3	11.3	1,224.6	46.7	7.3	13.1	1,200.5	6.6	5.5	3.1	26
27	1,247.0	120.5	1.6	0	1,239.1	90.8	2.3	0	1,230.3	62.2	7.8	0	1,205.2	11.0	2.2	0	27
28	1,247.7	123.4	1.5	0	1,240.1	94.4	1.8	0	1,234.7	75.9	6.9	0	1,208.9	15.8	2.4	0	28
29					1,240.9	97.2	1.4	0	1,238.5	88.8	6.5	0	1,211.8	20.1	2.2	0	29
30					1,241.7	100.2	1.5	0	1,241.8	100.6	6.0	0	1,214.8	25.2	2.6	0	30
31					1,242.9	104.6	2.2	0					1,217.5	30.4	2.6	0	31
TOTAL			46.3	125.0			38.5	48.0			498.2	500.2			130.6	166.0	
Inf. Ac. Ft.			91.8				76.4				988.2				259.0	1,724.5	
Outf. Ac. Ft.			247.9				95.2				992.1				329.2	1,768.9	
Maximum Mean Daily Inflow			3.6				2.3				50.2				7.2	50.2	
Minimum Mean Daily Inflow			1.0				0.2				6.0				2.2	0	
Storage Change		− 156.1				− 18.8				− 4.0				− 70.2		− 44.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,287.3	feet	on	4/11/65	Storage	352.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,182.3	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	R. E. SANDERS	Dam Tender	Gage Hts. copied	FM TS	
Max. Peak Inf.	130.2	C. F. S. from	8:30 P.M.	on	4/9/65	to	8:45 P.M.	on	4/9/65	R. V. WOOD	Hydrographer	Storage applied	FM TS	
Max. Peak Outf.	289.	C. F. S. from	3:00 P.M.	on	4/16/65	to	3:30 P.M.	on	4/16/65		Hydrographer	Inf. & Outf. comp.	FM TS	

REMARKS (INDICATES AVERAGE FOR PERIOD

76D138N-6BB 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SANTA ANITA Dam

In Santa Anita Canyon for the Year Ending September 30, 1965

Continuous Water Stage Recorder Au

Drainage Area 10.8 Square Miles. Capacity of Reservoir 629.5 Ac. Ft. at Spillway Elev. 1,316.0 Ft. as of April 1962 Gage Heights Read Daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,220.0	35.8	2.7	0	1,254.9	154.4	1.7	0.1	1,270.3	235.6	1.0	0.1	1,276.3	273.6	0.8	0.1	1
2	1,222.1	40.5	2.4	0	1,255.6	157.7	1.7	0	1,270.6	237.4	1.0	0.1	1,276.4	274.2	0.3	0	2
3	1,224.2	45.7	2.6	0	1,256.3	160.9	1.6	0	1,270.9	239.2	0.9	0	1,276.6	275.6	0.7	0	3
4	1,226.0	50.2	2.3	0	1,256.8	163.3	1.2	0	1,271.2	241.0	1.0	0.1	1,276.7	276.2	0.3	0	4
5	1,227.7	54.8	2.3	0	1,257.4	166.1	1.5	0.1	1,271.5	242.9	1.0	0	1,276.9	277.5	0.7	0.1	5
6	1,229.3	59.3	2.3	0	1,258.0	169.0	1.5	0	1,271.7	244.1	0.6	0	1,277.4	280.9	1.8	0.1	6
7	1,230.8	63.7	2.2	0	1,258.6	171.9	1.4	0	1,271.9	245.4	0.7	0	1,277.7	282.9	1.0	0	7
8	1,232.3	68.2	2.3	0	1,259.2	174.9	1.5	0	1,272.2	247.2	0.9	0	1,278.0	284.9	1.1	0	8
9	1,233.4	71.7	1.7	0	1,259.7	177.4	1.3	0	1,272.4	248.5	0.6	0	1,278.2	286.3	0.7	0	9
10	1,234.2	74.3	1.3	0	1,260.3	180.4	1.6	0.1	1,272.6	249.7	0.7	0.1	1,278.4	287.6	0.6	0	10
11	1,235.0	76.9	1.3	0	1,260.8	183.0	1.3	0	1,272.8	251.0	0.7	0	1,278.6	289.0	0.7	0	11
12	1,236.1	80.5	1.9	0	1,261.3	185.6	1.3	0	1,273.1	252.8	0.9	0	1,278.8	290.3	0.7	0	12
13	1,237.1	83.9	1.7	0	1,261.8	188.2	1.4	0	1,273.3	254.1	0.6	0	1,279.0	291.7	0.8	0.1	13
14	1,238.4	88.4	2.2	0	1,262.3	190.8	1.4	0.1	1,273.5	255.4	0.7	0	1,279.2	293.1	0.7	0	14
15	1,239.7	93.0	2.4	0	1,262.8	193.4	1.3	0	1,273.7	256.7	0.7	0.1	1,279.4	294.5	0.7	0	15
16	1,240.9	97.2	2.1	0	1,263.3	196.1	1.3	0	1,274.0	258.6	0.7	0	1,279.5	295.2	0.3	0	16
17	1,242.0	101.3	2.0	0	1,264.1	200.3	2.2	0	1,273.2	253.5	0.7	2.9	1,278.2	286.3	0.9	5.3	17
18	1,243.1	105.4	2.1	0	1,264.7	203.6	1.7	0.1	1,273.4	254.8	0.7	0	1,278.7	289.7	1.7	0	18
19	1,244.2	109.6	2.1	0	1,265.3	206.9	1.7	0	1,273.7	256.7	0.8	0	1,279.1	292.4	1.3	0	19
20	1,245.2	113.4	1.9	0	1,265.8	209.7	1.4	0	1,273.9	258.0	0.8	0.1	1,279.7	289.7	1.8	3.1	20
21	1,246.2	117.3	2.0	0	1,266.3	212.5	1.4	0	1,274.2	259.9	1.0	0	1,273.0	252.2	1.4	19.7	21
22	1,247.1	120.9	1.8	0	1,266.7	214.7	1.3	0.1	1,274.4	261.2	0.6	0	1,262.2	190.3	1.3	31.4	22
23	1,248.1	125.0	2.1	0	1,267.1	217.0	1.2	0	1,274.6	262.4	0.6	0	1,250.0	132.8	1.3	30.7	23
24	1,249.0	128.7	1.9	0	1,267.5	219.2	1.1	0	1,274.8	263.7	0.7	0	1,243.5	106.9	1.3	14.9	24
25	1,249.9	132.4	1.8	0	1,267.9	221.5	1.2	0.1	1,274.9	264.4	0.4	0.1	1,244.6	111.1	1.3	0	25
26	1,251.0	137.1	2.4	0	1,268.2	223.3	1.0	0	1,275.2	266.3	1.0	0	1,245.5	114.6	1.8	0	26
27	1,251.8	140.5	1.7	0	1,268.6	225.6	1.1	0	1,275.4	267.6	0.6	0	1,246.4	118.1	1.8	0	27
28	1,252.6	144.0	1.8	0	1,268.9	227.3	1.0	0.1	1,275.6	269.0	0.7	0	1,247.2	121.3	1.7	0.1	28
29	1,253.5	148.0	2.0	0	1,269.3	229.7	1.2	0	1,275.7	269.6	0.3	0	1,247.8	123.8	1.2	0	29
30	1,254.2	151.2	1.6	0	1,269.7	232.0	1.1	0	1,275.9	270.9	0.7	0	1,248.4	126.2	1.2	0	30
31					1,270.0	233.8	1.0	0.1	1,276.1	272.3	0.7	0.1					31
TOTAL			60.9	0			42.6	0.9			23.0	3.7			31.9	105.6	
Inf. Ac. Ft.			120.8				84.5				45.6				63.3	2,038.7	
Outf. Ac. Ft.			0				1.8				7.3				209.5	1,987.5	
Maximum Mean Daily Inflow			2.7				2.2				1.0				1.8	50.2	
Minimum Mean Daily Inflow			1.3				1.0				0.3				0.3	0	
Storage Change		+ 120.8				− 82.6				+ 38.5				− 146.1		+ 51.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,287.3	feet	on	4/11/65	Storage	352.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,182.3	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	R. E. SANDERS	Dam Tender	Gage Hts. copied	FM JL	
Max. Peak Inf.	130.2	C. F. S. from	8:30 P.M.	on	4/9/65	to	8:45 P.M.	on	4/9/65	R. V. WOOD	Hydrographer	Storage applied	FM JL	
Max. Peak Outf.	289.	C. F. S. from	3:00 P.M.	on	4/16/65	to	3:30 P.M.	on	4/16/65		Hydrographer	Inf. & Outf. comp.	FM JL	

REMARKS (INDICATES AVERAGE FOR PERIOD

76D138N-68B 3-64

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In Sawpit Canyon for the Year Ending September 30, 1964

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 3.34 Square Miles. Capacity of Reservoir 271.7 Ac. Ft. at Spillway Elev. 1,360.0 Ft. as of May 1962 Gage Heights Read Daily

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,309.9	32.3	0.2	0.2	1,309.9	32.3	0.3	0.3	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.4	0.4	1
2	1,309.9	32.3	0.2	0.2	1,309.9	32.3	0.3	0.3	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.4	0.4	2
3	1,309.9	32.3	0.2	0.2	1,309.9	32.3	0.3	0.3	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.4	0.4	3
4	1,309.9	32.3	0.2	0.2	1,309.9	32.3	0.3	0.3	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.4	0.4	4
5	1,309.9	32.3	0.2	0.2	1,309.9	32.3	0.3	0.3	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.4	0.4	5
6	1,309.9	32.3	0.2	0.2	1,309.9	32.3	0.6	0.6	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.4	0.4	6
7	1,309.9	32.3	0.2	0.2	1,309.9	32.3	0.6	0.6	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.4	0.4	7
8	1,309.9	32.3	0.2	0.2	1,309.9	32.3	0.6	0.6	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.4	0.4	8
9	1,309.9	32.3	0.2	0.2	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.4	0.4	9
10	1,309.9	32.3	0.2	0.2	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.4	0.4	10
11	1,309.9	32.3	0.2	0.2	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.4	0.4	11
12	1,309.9	32.3	0.2	0.2	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.4	0.4	12
13	1,309.9	32.3	0.2	0.2	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.4	0.4	13
14	1,309.9	32.3	0.2	0.2	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.4	0.4	14
15	1,309.9	32.3	0.2	0.2	1,309.9	32.3	0.6	0.6	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.4	0.4	15
16	1,309.9	32.3	0.3	0.3	1,309.9	32.3	0.6	0.6	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.4	0.4	16
17	1,309.9	32.3	0.3	0.3	1,309.9	32.3	0.6	0.6	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.4	0.4	17
18	1,309.9	32.3	0.3	0.3	1,309.9	32.3	0.6	0.6	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.4	0.4	18
19	1,309.9	32.3	0.3	0.3	1,310.0	32.4	0.7	0.6	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.4	0.4	19
20	1,309.9	32.3	0.3	0.3	1,309.9	32.3	0.6	0.7	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.4	0.4	20
21	1,309.9	32.3	0.3	0.3	1,309.9	32.3	0.6	0.6	1,309.9	32.3	0.5	0.5	1,309.9	32.3	2.4	2.4	21
22	1,309.9	32.3	0.3	0.3	1,309.9	32.3	0.6	0.6	1,309.9	32.3	0.5	0.5	1,310.0	32.4	3.0	2.9	22
23	1,309.9	32.3	0.3	0.3	1,309.9	32.3	0.6	0.6	1,309.9	32.3	0.5	0.5	1,309.9	32.3	1.0	1.1	23
24	1,309.9	32.3	0.3	0.3	1,309.9	32.3	0.6	0.6	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.8	0.8	24
25	1,309.9	32.3	0.3	0.3	1,309.9	32.3	0.6	0.6	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.8	0.8	25
26	1,309.9	32.3	0.3	0.3	1,309.9	32.3	0.6	0.6	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.6	0.6	26
27	1,309.9	32.3	0.3	0.3	1,309.9	32.3	0.6	0.6	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.4	0.4	27
28	1,309.9	32.3	0.3	0.3	1,309.9	32.3	0.6	0.6	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.4	0.4	28
29	1,309.9	32.3	0.3	0.3	1,309.9	32.3	0.6	0.6	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.4	0.4	29
30	1,309.9	32.3	0.3	0.3	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.4	0.4	30
31	1,309.9	32.3	0.3	0.3					1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.4	0.4	31
TOTAL			7.8	7.8			15.6	15.6			15.3	15.3			18.6	18.6	
Inf. Ac. Ft.			15.5				30.9				30.3				36.9	113.6	
Outf. Ac. Ft.			15.5				30.9				30.3				36.9	113.6	
Maximum Mean Daily Inflow			0.3				0.7				0.5				3.0	3.0	
Minimum Mean Daily Inflow			0.2				0.3				0.4				0.4	0.2	
Storage Change	0				0				0				0			0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,310.4	feet	on	1/21/64	Storage	33.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,255.0	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	B. E. ROBB	Dam Tender	Gage Hts. copied	RAP	FM
Max. Peak Inf.	10.0	C. F. S. from	6:45 A.M.	on	1/21/64	to	7:00 A.M.	on	1/21/64	R. V. WOOD	Hydrographer	Storage applied	RAP	FM
Max. Peak Outf.	130.	C. F. S. from	8:25 A.M.	on	5/12/64	to	9:25 A.M.	on	5/12/64		Hydrographer	Inf. & Outf. comp.	RAP	FM

REMARKS

76D138N-68B 3-64

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In Sawpit Canyon for the Year Ending September 30, 1964

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 3.34 Square Miles. Capacity of Reservoir 271.7 Ac. Ft. at Spillway Elev. 1,360.0 Ft. as of May 1962 Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.2	0.1	1,310.1	32.5	3.7	3.6	1,306.6	27.9	0.6	1.4	1
2	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.2	0.3	1,310.0	32.4	1.6	1.7	1,304.6	25.4	0.6	1.4	2
3	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.2	0.2	1,310.0	32.4	1.1	1.1	1,302.6	23.1	0.6	1.4	3
4	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.2	0.1	1,310.0	32.4	0.8	0.8	1,300.6	20.9	0.7	1.5	4
5	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.2	0.1	1,309.9	32.3	0.7	0.8	1,299.5	19.6	0.7	1.0	5
6	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.2	0.1	1,309.9	32.3	0.6	0.6	1,299.4	19.5	0.7	0.6	6
7	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.2	0.1	1,309.9	32.3	0.5	0.5	1,300.2	20.4	0.7	0.2	7
8	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.2	0.1	1,309.9	32.3	0.5	0.5	1,301.3	21.6	0.7	0	8
9	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.2	0.1	1,309.9	32.3	0.5	0.5	1,302.2	22.6	0.7	0	9
10	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.2	0.1	1,309.9	32.3	0.4	0.4	1,303.0	23.5	0.7	0	10
11	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.2	0.1	1,309.9	32.3	0.4	0.4	1,304.0	24.7	0.7	0	11
12	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.2	0.1	1,309.9	32.3	0.4	0.4	1,255.0	0	0.7	11.5	12
13	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.2	0.2	1,309.9	32.3	0.3	0.3			0.7	2.6	13
14	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.2	0.1	1,309.9	32.3	0.3	0.3			0.7	2.0	14
15	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.3	0.1	1,309.9	32.3	0.2	0.2			0.7	1.5	15
16	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.3	0.4	1,309.9	32.3	0.2	0.2			0.7	1.0	16
17	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.3	0.2	1,309.9	32.3	0.2	0.2			0.7	0.9	17
18	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.3	0.1	1,309.9	32.3	0.3	0.3			0.7	0.9	18
19	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.3	0.1	1,309.9	32.3	0.4	0.4			0.7	1.0	19
20	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.3	0.1	1,309.9	32.3	0.3	0.3			0.7	1.0	20
21	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.3	0.1	1,309.9	32.3	0.2	0.2			0.7	1.0	21
22	1,309.9	32.3	0.4	0.4	1,310.1	32.5	0.3	0.5	1,309.9	32.3	0.2	0.2			0.7	1.0	22
23	1,309.9	32.3	0.4	0.4	1,310.0	32.4	0.3	1.3	1,309.9	32.3	0.2	0.2			0.7	1.0	23
24	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.3	1.0	1,309.9	32.3	0.2	0.2			0.7	1.0	24
25	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.3	0.8	1,309.9	32.3	0.2	0.2			0.7	1.0	25
26	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.3	0.4	1,309.9	32.3	0.2	0.2			0.7	0.3	26
27	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.3	0.3	1,309.9	32.3	0.2	0.2			0.7	0.3	27
28	1,309.9	32.3	0.4	0.4	1,309.9	32.3	0.3	0.2	1,309.9	32.3	0.2	0.3			0.7	0.3	28
29	1,309.9	32.3	0.5	0.5	1,309.9	32.3	0.3	0.1	1,309.9	32.3	0.2	0.3			0.7	0.3	29
30					1,309.9	32.3	0.3	0.1	1,308.6	30.5	0.3	1.0			0.7	0.3	30
31					1,310.0	32.4	0.3	0.2					1,255.0	0	0.7	0.3	31
TOTAL			11.7	11.7			7.9	7.8			15.5	16.5			21.4	36.7	
Inf. Ac. Ft.			23.2				15.7				30.7				42.4	225.6	
Outf. Ac. Ft.			23.2				15.5				32.7				72.8	257.8	
Maximum Mean Daily Inflow			0.5				1.3				3.7				2.6	3.7	
Minimum Mean Daily Inflow			0.4				0.1				0.2				0	0	
Storage Change	0				+ 0.1				+ 1.9				- 30.5			- 32.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,310.4*	feet	on	1/21/64	Storage	33.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,255.0	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	B. E. ROBB	Dam Tender	Gage Hts. copied	RAP	FM
Max. Peak Inf.	10.0	C. F. S. from	6:45 A.M.	on	1/21/64	to	7:00 A.M.	on	1/21/64	R.V. WOOD	Hydrographer	Storage applied	RAP	FM
Max. Peak Outf.	130.	C. F. S. from	8:25 A.M.	on	5/12/64	to	9:25 A.M.	on	5/12/64		Hydrographer	Inf. & Outf. comp.	RAP	FM

REMARKS (INDICATES AVERAGE FOR PERIOD

760138N-688 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In Sawpit Canyon for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 3.34 Square Miles. Capacity of Reservoir 271.7 Ac. Ft. at Spillway Elev. 1,360.0 Ft. as of May 1962 Gage Heights Read Daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,255.0	0	0.3	0.3	1,255.0	0	0.2	0.2	1,255.0	0	0.2	0.2	1,263.9	1.4	0.2	0	1
2			0.3	0.3			0.2	0.2			0.2	0.2	1,264.8	1.6	0.2	0	2
3			0.3	0.3			0.2	0.2			0.2	0.2	1,265.7	1.9	0.2	0	3
4			0.3	0.3			0.2	0.2			0.2	0.2	1,266.5	2.1	0.2	0	4
5			0.3	0.3			0.2	0.2			0.2	0.2	1,267.2	2.3	0.2	0	5
6			0.3	0.3			0.2	0.2			0.2	0.2	1,268.0	2.6	0.2	0	6
7			0.3	0.3			0.2	0.2			0.2	0.2	1,268.7	2.8	0.2	0	7
8			0.3	0.3			0.2	0.2			0.2	0.2	1,269.3	3.0	0.2	0	8
9			0.3	0.3			0.2	0.2			0.1	0.1	1,269.9	3.2	0.1	0	9
10			0.3	0.3			0.2	0.2			0.1	0.1	1,270.5	3.4	0.1	0	10
11			0.3	0.3			0.2	0.2			0.1	0.1	1,271.1	3.7	0.1	0	11
12			0.3	0.3			0.2	0.2			0.1	0.1	1,271.7	3.9	0.1	0	12
13		NO STORAGE	0.3	0.3		NO STORAGE	0.2	0.2		NO STORAGE	0.1	0.1	1,272.2	4.1	0.1	0	13
14			0.3	0.3			0.2	0.2			0.1	0.1	1,272.8	4.4	0.1	0	14
15			0.3	0.3			0.2	0.2			0.1	0.1	1,273.3	4.6	0.1	0	15
16			0.3	0.3			0.2	0.2			0.1	0.1	1,273.8	4.8	0.1	0	16
17			0.3	0.3			0.2	0.2			0.1	0.1	1,274.3	5.1	0.1	0	17
18			0.3	0.3			0.2	0.2			0.1	0.1	1,274.7	5.3	0.1	0	18
19			0.3	0.3			0.2	0.2			0.1	0.1	1,275.2	5.5	0.1	0	19
20			0.3	0.3			0.2	0.2			0.1	0.1	1,275.7	5.8	0.1	0	20
21			0.3	0.3			0.2	0.2			0.1	0.1	1,276.1	6.0	0.1	0	21
22			0.3	0.3			0.2	0.2			0.1	0.1	1,276.6	6.3	0.1	0	22
23			0.3	0.3			0.2	0.2			0.1	0.1	1,277.0	6.6	0.1	0	23
24			0.3	0.3			0.2	0.2			0.1	0.1	1,277.4	6.8	0.1	0	24
25			0.3	0.3			0.2	0.2			0.1	0.1	1,277.9	7.2	0.1	0	25
26			0.3	0.3			0.2	0.2	1,255.0	0	0.1	0.1	1,278.2	7.4	0.1	0	26
27			0.3	0.3			0.2	0.2	1,257.0	0.1	0.1	0.1	1,278.6	7.7	0.1	0	27
28			0.3	0.3			0.2	0.2	1,259.2	0.3	0.1	0	1,278.9	7.9	0.1	0	28
29			0.2	0.2			0.2	0.2	1,260.6	0.5	0.1	0	1,279.2	8.2	0.1	0	29
30	1,255.0	0	0.2	0.2			0.2	0.2	1,261.8	0.8	0.2	0	1,279.7	8.6	0.1	0	30
31					1,255.0	0	0.2	0.2	1,262.9	1.1	0.2	0					31
TOTAL			8.8	8.8			6.2	6.2			4.1	3.5			3.8	0	
Inf. Ac. Ft.			17.5				12.3				8.1				7.5	271.0	
Outf. Ac. Ft.			17.5				12.3				6.9				0	294.5	
Maximum Mean Daily Inflow			0.3				0.2				0.2				0.2	3.7	
Minimum Mean Daily Inflow			0.2				0.2				0.1				0.1	0	
Storage Change	0				0				+ 1.1				+ 7.5			- 23.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,310.4	feet	on	1/21/64	Storage	33.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1,255.0	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	B. E. ROBB	Dam Tender	Gage Hts. copied	RAP FM
Max. Peak Inf.	10.0	C. F. S. from	6:45 A.M.	on 1/21/64	to	7:00 A.M.	on 1/21/64	R. V. WOOD	Hydrographer	Storage applied	RAP FM
Max. Peak Outf.	130.	C. F. S. from	8:25 A.M.	on 5/12/64	to	9:25 A.M.	on 5/12/64		Hydrographer	Inf. & Outf. comp.	RAP FM

REMARKS { INDICATES AVERAGE FOR PERIOD

760138N-688 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In Sawpit Canyon for the Year Ending September 30, 1965

Continuous Water Stage Recorder Au

Drainage Area 3.34 Square Miles. Capacity of Reservoir 308.5 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of August 1964 Gage Heights Read Daily

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,280.0	8.8	0.1	0	1,289.9	20.3	0.3	0	1,305.3	47.6	0.4	0	1,309.9	58.1	0.4	0.4	1
2	1,280.4	9.2	0.2	0	1,290.3	20.8	0.3	0	1,305.5	48.0	0.2	0	1,309.9	58.1	0.4	0.4	2
3	1,280.7	9.4	0.1	0	1,290.7	21.4	0.3	0	1,305.7	48.4	0.2	0	1,309.9	58.1	0.4	0.4	3
4	1,281.1	9.8	0.2	0	1,291.1	22.0	0.3	0	1,305.9	48.9	0.2	0	1,309.9	58.1	0.3	0.3	4
5	1,281.4	10.1	0.2	0	1,291.4	22.4	0.2	0	1,306.1	49.3	0.2	0	1,309.9	58.1	0.3	0.3	5
6	1,281.6	10.3	0.1	0	1,291.8	23.2	0.4	0	1,306.4	50.0	0.4	0	1,309.9	58.1	0.3	0.3	6
7	1,281.9	10.6	0.1	0	1,292.2	23.6	0.2	0	1,306.6	50.4	0.2	0	1,309.9	58.1	1.0	1.0	7
8	1,282.1	10.8	0.1	0	1,292.5	24.1	0.2	0	1,306.8	50.9	0.2	0	1,309.9	58.1	0.4	0.4	8
9	1,282.4	11.1	0.2	0	1,293.6	25.8	0.9	0	1,307.1	51.5	0.3	0	1,309.9	58.1	0.4	0.4	9
10	1,282.7	11.4	0.1	0	1,295.2	28.3	1.2	0	1,307.3	52.0	0.3	0	1,309.9	58.1	0.3	0.3	10
11	1,282.9	11.6	0.1	0	1,296.3	30.2	1.0	0	1,307.4	52.2	0.1	0	1,309.9	58.1	0.3	0.3	11
12	1,283.2	11.9	0.2	0	1,297.1	31.6	0.7	0	1,307.6	52.7	0.2	0	1,309.9	58.1	0.3	0.3	12
13	1,283.5	12.2	0.1	0	1,297.8	32.8	0.6	0	1,307.8	53.2	0.3	0	1,309.9	58.1	0.3	0.3	13
14	1,283.8	12.6	0.2	0	1,298.3	33.8	0.5	0	1,308.1	53.8	0.3	0	1,309.9	58.1	0.3	0.3	14
15	1,284.0	12.8	0.1	0	1,298.9	34.8	0.5	0	1,308.3	54.3	0.2	0	1,309.9	58.1	0.3	0.3	15
16	1,284.3	13.2	0.2	0	1,299.4	35.8	0.5	0	1,308.5	54.8	0.3	0	1,309.9	58.1	0.3	0.3	16
17	1,284.6	13.5	0.2	0	1,300.5	37.9	1.1	0	1,308.7	55.2	0.2	0	1,309.9	58.1	0.3	0.3	17
18	1,284.9	13.9	0.2	0	1,301.2	39.2	0.6	0	1,308.9	55.7	0.2	0	1,309.9	59.1	0.3	0.3	18
19	1,285.2	14.2	0.1	0	1,301.7	40.2	0.5	0	1,309.2	56.4	0.4	0	1,309.9	58.1	0.3	0.3	19
20	1,285.4	14.5	0.2	0	1,302.1	41.0	0.4	0	1,309.8	57.8	0.7	0	1,309.9	58.1	0.3	0.3	20
21	1,285.7	14.8	0.1	0	1,302.5	41.8	0.4	0	1,309.9	58.1	0.5	0.4	1,309.9	58.1	0.3	0.3	21
22	1,286.0	15.2	0.2	0	1,302.8	42.4	0.3	0	1,309.9	58.1	0.4	0.4	1,309.9	58.1	0.3	0.3	22
23	1,286.3	15.6	0.2	0	1,303.1	43.0	0.3	0	1,309.9	58.1	0.4	0.4	1,309.9	58.1	0.3	0.3	23
24	1,286.7	16.0	0.2	0	1,303.4	43.6	0.3	0	1,309.9	58.1	0.4	0.4	1,309.9	58.1	0.3	0.3	24
25	1,287.0	16.4	0.2	0	1,303.7	44.2	0.4	0	1,309.9	58.1	0.4	0.4	1,309.9	58.1	0.3	0.3	25
26	1,287.3	16.8	0.2	0	1,304.0	44.8	0.3	0	1,310.0	58.3	1.5	1.4	1,309.9	58.1	0.2	0.2	26
27	1,287.7	17.3	0.3	0	1,304.2	45.2	0.2	0	1,309.9	58.1	1.2	1.3	1,309.9	58.1	0.2	0.2	27
28	1,288.1	17.8	0.2	0	1,304.5	45.9	0.3	0	1,309.9	58.1	1.3	1.3	1,309.9	58.1	0.2	0.2	28
29	1,288.6	18.5	0.4	0	1,304.8	46.5	0.3	0	1,309.9	58.1	0.9	0.9	1,309.9	58.1	0.2	0.2	29
30	1,289.0	19.0	0.2	0	1,305.0	46.9	0.2	0	1,309.9	59.1	0.6	0.6	1,309.9	58.1	0.2	0.2	30
31	1,289.5	19.7	0.4	0					1,309.9	58.1	0.5	0.5	1,309.9	58.1	0.2	0.2	31
TOTAL			5.6	0			13.7	0			13.6	8.0			9.9	9.9	
Inf. Ac. Ft.			11.1				27.2				27.0				19.6	84.9	
Outf. Ac. Ft.			0				0				15.9				19.6	35.5	
Maximum Mean Daily Inflow			0.4				1.2				1.5				0.4	1.5	
Minimum Mean Daily Inflow			0.1				0.2				0.1				0.2	0.1	
Storage Change	+ 11.1				+ 27.2				+ 11.2				0			+ 49.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,310.7	feet	on	4/9/65	Storage	60.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1,280.0	feet	on	10/1/64	Storage	8.8	Acre Feet	B. E. ROBB	Dam Tender	Gage Hts. copied	FM TS
Max. Peak Inf.	26.8	C. F. S. from	9:30 P.M.	on 4/9/65	to	9:45 P.M.	on 4/9/65	R. V. WOOD	Hydrographer	Storage applied	FM TS
Max. Peak Outf.	23.4	C. F. S. from	9:30 P.M.	on 4/9/65	to	9:45 P.M.	on 4/9/65		Hydrographer	Inf. & Outf. comp.	FM TS

REMARKS

760138N-688 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In Sawpit Canyon for the Year Ending September 30, 19 65

Continuous Water Stage Recorder Au

Drainage Area 3.34 Square Miles. Capacity of Reservoir 308.5 Ac. Ft. at Spillway Elev. 1,360.0 Ft. as of August 19 64 Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1309.9	58.1	0.3	0.3	1309.9	58.1	0.2	0.2	1310.3	59.0	3.3	2.9	1309.9	58.1	0.5	0.5	1
2	1309.9	58.1	0.3	0.3	1309.9	58.1	0.2	0.2	1310.1	58.6	3.6	3.8	1309.9	58.1	0.5	0.5	2
3	1309.9	58.1	0.3	0.3	1309.9	58.1	0.2	0.2	1310.1	58.6	2.9	2.9	1309.9	58.1	0.5	0.5	3
4	1309.9	58.1	0.3	0.3	1309.9	58.1	0.2	0.2	1310.0	58.3	2.1	2.3	1309.9	58.1	0.5	0.5	4
5	1309.9	58.1	0.3	0.3	1309.9	58.1	0.2	0.2	1310.0	58.3	2.0	2.0	1309.9	58.1	0.5	0.5	5
6	1309.9	58.1	0.3	0.3	1309.9	58.1	0.2	0.2	1310.0	58.3	1.7	1.7	1309.9	58.1	0.5	0.5	6
7	1309.9	58.1	0.3	0.3	1309.9	58.1	0.2	0.2	1310.0	58.3	1.4	1.4	1309.9	58.1	0.5	0.5	7
8	1309.9	58.1	0.3	0.3	1309.9	58.1	0.2	0.2	1310.2	58.8	3.7	3.4	1309.9	58.1	0.5	0.5	8
9	1309.9	58.1	0.3	0.3	1309.9	58.1	0.2	0.2	1310.6	59.8	7.4	6.9	1309.9	58.1	0.5	0.5	9
10	1309.9	58.1	0.3	0.3	1309.9	58.1	0.2	0.2	1310.2	58.8	9.7	10.2	1309.9	58.1	0.5	0.5	10
11	1309.9	58.1	0.3	0.3	1309.9	58.1	0.2	0.2	1310.2	58.8	6.1	6.1	1309.9	58.1	0.5	0.5	11
12	1309.9	58.1	0.3	0.3	1309.9	58.1	0.2	0.2	1310.1	58.6	4.7	4.8	1309.9	58.1	0.5	0.5	12
13	1309.9	58.1	0.3	0.3	1309.9	58.1	0.2	0.2	1310.1	58.6	3.9	3.9	1309.9	58.1	0.5	0.5	13
14	1309.9	58.1	0.3	0.3	1309.9	58.1	0.2	0.2	1310.1	58.6	3.2	3.2	1309.9	58.1	0.5	0.5	14
15	1309.9	58.1	0.3	0.3	1309.9	58.1	0.2	0.2	1310.1	58.6	2.6	2.6	1309.9	58.1	0.5	0.5	15
16	1309.9	58.1	0.3	0.3	1309.9	58.1	0.2	0.2	1310.1	58.6	2.4	2.4	1309.9	58.1	0.5	0.5	16
17	1309.9	58.1	0.3	0.3	1309.9	58.1	0.2	0.2	1310.1	58.6	2.2	2.2	1309.9	58.1	0.5	0.5	17
18	1309.9	58.1	0.3	0.3	1309.9	58.1	0.2	0.2	1310.0	58.3	1.8	2.0	1309.9	58.1	0.5	0.5	18
19	1309.9	58.1	0.3	0.3	1309.9	58.1	0.2	0.2	1310.0	58.3	1.8	1.8	1309.9	58.1	0.5	0.5	19
20	1309.9	58.1	0.3	0.3	1309.9	58.1	0.2	0.2	1310.0	58.3	1.7	1.7	1309.9	58.1	0.5	0.5	20
21	1309.9	58.1	0.3	0.3	1309.9	58.1	0.2	0.2	1310.0	58.3	1.6	1.6	1309.9	58.1	0.5	0.5	21
22	1309.9	58.1	0.3	0.3	1309.9	58.1	0.2	0.2	1310.0	58.3	1.5	1.5	1309.9	58.1	0.5	0.5	22
23	1309.9	58.1	0.2	0.2	1309.9	58.1	0.2	0.2	1310.0	58.3	1.5	1.5	1309.9	58.1	0.5	0.5	23
24	1309.9	58.1	0.2	0.2	1309.9	58.1	0.2	0.2	1310.0	58.3	1.5	1.5	1309.9	58.1	0.5	0.5	24
25	1309.9	58.1	0.2	0.2	1309.9	58.1	0.2	0.2	1310.0	58.3	1.5	1.5	1309.9	58.1	0.5	0.5	25
26	1309.9	58.1	0.2	0.2	1309.9	58.1	0.2	0.2	1310.0	58.3	1.5	1.5	1309.9	58.1	0.5	0.5	26
27	1309.9	58.1	0.2	0.2	1309.9	58.1	0.2	0.2	1310.0	58.3	1.5	1.5	1309.9	58.1	0.5	0.5	27
28	1309.9	58.1	0.2	0.2	1309.9	58.1	0.2	0.2	1309.9	58.1	1.4	1.5	1309.9	58.1	0.5	0.5	28
29					1309.9	58.1	0.2	0.2	1309.9	58.1	1.3	1.3	1309.9	58.1	0.5	0.5	29
30					1309.9	58.1	0.3	0.3	1309.9	58.1	1.3	1.3	1309.9	58.1	0.5	0.5	30
31					1310.0	58.3	0.6	0.5					1309.9	58.1	0.5	0.5	31
TOTAL			7.8	7.8			6.7	6.6			82.8	82.9			15.5	15.5	
Inf. Ac. Ft.			15.5				13.7				164.2				30.7	309.0	
Outf. Ac. Ft.			15.5				13.5				164.4				30.7	259.6	
Maximum Mean Daily Inflow			0.3				0.6				9.7				0.5	9.7	
Minimum Mean Daily Inflow			0.2				0.2				1.3				0.5	0.1	
Storage Change	0				+ 0.2				− 0.2				0			+ 49.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,310.7	feet	on	4/9/65	Storage	60.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,280.0	feet	on	10/1/64	Storage	8.8	Acre Feet	B. E. ROBB	Dam Tender	Gage Hts. copied	FM	JLF
Max. Peak Inf.	26.8	C. F. S. from	9:30 P.M.	on 4/9/65	to	9:45 P.M.	on 4/9/65	R. V. WOOD	Hydrographer	Storage applied	FM	JLF
Max. Peak Outf.	23.4	C. F. S. from	9:30 P.M.	on 4/9/65	to	9:45 P.M.	on 4/9/65		Hydrographer	Inf. & Outf. comp.	FM	JLF

REMARKS

760138N-688 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In Sawpit Canyon for the Year Ending September 30, 19 65

Continuous Water Stage Recorder Au

Drainage Area 3.34 Square Miles. Capacity of Reservoir 308.5 Ac. Ft. at Spillway Elev. 1,360.0 Ft. as of August 19 64 Gage Heights Read Daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1309.9	58.1	0.5	0.5	1309.9	58.1	0.6	0.6	1309.9	58.1	0.4	0.4	1309.9	58.1	0.3	0.3	1
2	1309.9	58.1	0.5	0.5	1309.9	58.1	0.6	0.6	1309.9	58.1	0.4	0.4	1309.9	58.1	0.3	0.3	2
3	1309.9	58.1	0.5	0.5	1309.9	58.1	0.6	0.6	1309.9	58.1	0.4	0.4	1309.9	58.1	0.3	0.3	3
4	1309.9	58.1	0.5	0.5	1309.9	58.1	0.6	0.6	1309.9	58.1	0.4	0.4	1309.9	58.1	0.3	0.3	4
5	1309.9	58.1	0.5	0.5	1309.9	58.1	0.6	0.6	1309.9	58.1	0.3	0.3	1309.9	58.1	0.3	0.3	5
6	1309.9	58.1	0.5	0.5	1309.9	58.1	0.6	0.6	1309.9	58.1	0.3	0.3	1309.9	58.1	0.3	0.3	6
7	1309.9	58.1	0.5	0.5	1309.9	58.1	0.6	0.6	1309.9	58.1	0.3	0.3	1309.9	58.1	0.3	0.3	7
8	1309.9	58.1	0.5	0.5	1309.9	58.1	0.4	0.4	1309.9	58.1	0.3	0.3	1309.9	58.1	0.4	0.4	8
9	1309.9	58.1	0.5	0.5	1309.9	58.1	0.4	0.4	1309.9	58.1	0.3	0.3	1309.9	58.1	0.4	0.4	9
10	1309.9	58.1	0.5	0.5	1309.9	58.1	0.4	0.4	1309.9	58.1	0.3	0.3	1309.9	58.1	0.4	0.4	10
11	1309.9	58.1	0.5	0.5	1309.9	58.1	0.4	0.4	1309.9	58.1	0.3	0.3	1309.9	58.1	0.4	0.4	11
12	1309.9	58.1	0.5	0.5	1309.9	58.1	0.4	0.4	1309.9	58.1	0.1	0.1	1309.9	58.1	0.4	0.4	12
13	1309.9	58.1	0.5	0.5	1309.9	58.1	0.4	0.4	1309.9	58.1	0.1	0.1	1309.9	58.1	0.4	0.4	13
14	1309.9	58.1	0.5	0.5	1309.9	58.1	0.4	0.4	1309.9	58.1	0.1	0.1	1309.9	58.1	0.4	0.4	14
15	1309.9	58.1	0.5	0.5	1309.9	58.1	0.5	0.5	1309.9	58.1	0.1	0.1	1309.9	58.1	0.4	0.4	15
16	1309.9	58.1	0.5	0.5	1309.9	58.1	0.5	0.5	1309.9	58.1	0.1	0.1	1309.9	58.1	0.4	0.4	16
17	1309.9	58.1	0.5	0.5	1309.9	58.1	0.5	0.5	1309.9	58.1	0.1	0.1	1309.9	58.1	0.4	0.4	17
18	1309.9	58.1	0.5	0.5	1309.9	58.1	0.5	0.5	1309.9	58.1	0.1	0.1	1309.9	58.1	0.4	0.4	18
19	1309.9	58.1	0.5	0.5	1309.9	58.1	0.5	0.5	1309.9	58.1	0.3	0.3	1309.9	58.1	0.4	0.4	19
20	1309.9	58.1	0.5	0.5	1309.9	58.1	0.5	0.5	1309.9	58.1	0.3	0.3	1309.9	58.1	0.4	0.4	20
21	1309.9	58.1	0.5	0.5	1309.9	58.1	0.5	0.5	1309.9	58.1	0.3	0.3	1309.9	58.1	0.4	0.4	21
22	1309.9	58.1	0.5	0.5	1309.9	58.1	0.3	0.3	1309.9	58.1	0.3	0.3	1309.9	58.1	0.4	0.4	22
23	1309.9	58.1	0.5	0.5	1309.9	58.1	0.3	0.3	1309.9	58.1	0.3	0.3	1309.9	58.1	0.3	0.3	23
24	1309.9	58.1	0.6	0.6	1309.9	58.1	0.3	0.3	1309.9	58.1	0.3	0.3	1309.9	58.1	0.3	0.3	24
25	1309.9	58.1	0.6	0.6	1309.9	58.1	0.3	0.3	1309.9	58.1	0.3	0.3	1309.9	58.1	0.3	0.3	25
26	1309.9	58.1	0.6	0.6	1309.9	58.1	0.3	0.3	1309.9	58.1	0.3	0.3	1309.9	58.1	0.3	0.3	26
27	1309.9	58.1	0.6	0.6	1309.9	58.1	0.3	0.3	1309.9	58.1	0.3	0.3	1309.9	58.1	0.3	0.3	27
28	1309.9	58.1	0.6	0.6	1309.9	58.1	0.3	0.3	1309.9	58.1	0.3	0.3	1309.9	58.1	0.3	0.3	28
29	1309.9	58.1	0.6	0.6	1309.9	58.1	0.4	0.4	1309.9	58.1	0.3	0.3	1309.9	58.1	0.3	0.3	29
30	1309.9	58.1	0.6	0.6	1309.9	58.1	0.4	0.4	1309.9	58.1	0.3	0.3	1309.9	58.1	0.3	0.3	30
31					1309.9	58.1	0.4	0.4	1309.9	58.1	0.3	0.3					31
TOTAL			15.7	15.7			13.8	13.8			8.3	8.3			10.5	10.5	
Inf. Ac. Ft.			31.1				27.4				16.5				20.8	404.8	
Outf. Ac. Ft.			31.1				27.4				16.5				20.8	355.4	
Maximum Mean Daily Inflow			0.6				0.6				0.4				0.4	9.7	
Minimum Mean Daily Inflow			0.5				0.3				0.1				0.3	0.1	
Storage Change	0				0				0				0			+ 49.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,310.7	feet	on	4/9/65	Storage	60.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,280.0	feet	on	10/1/64	Storage	8.8	Acre Feet	B. E. ROBB	Dam Tender	Gage Hts. copied	FM	JFL
Max. Peak Inf.	26.8	C. F. S. from	9:30 P.M.	on 4/9/65	to	9:45 P.M.	on 4/9/65	R. V. WOOD	Hydrographer	Storage applied	FM	JFL
Max. Peak Outf.	23.4	C. F. S. from	9:30 P.M.	on 4/9/65	to	9:45 P.M.	on 4/9/65		Hydrographer	Inf. & Outf. comp.	FM	JFL

REMARKS

76D136N-683 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of COGSWELL Dam

In San Gabriel Canyon–West Fork for the Year Ending September 30, 1964

Continuous Water Stage Recorder Stevens A-35

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10,228. Ac. Ft. at Spillway Elev. 2,385.0 Ft. as of November 1962 Gage Heights Read Daily

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	2237.5	149.8	0.6	0.1	2238.9	165.4	0.6	1.7	2248.6	312.7	2.0	0.2	2253.8	411.8	2.1	0.3	1
2	2237.6	150.8	0.6	0.1	2238.9	165.4	0.6	0.2	2248.8	316.2	2.0	0.2	2254.0	415.8	2.1	0.3	2
3	2237.7	151.9	0.6	0.1	2239.0	166.5	0.5	0.2	2248.9	318.0	2.0	0.2	2254.2	419.9	2.1	0.3	3
4	2237.8	152.9	0.6	0.1	2239.1	167.8	0.9	0.2	2249.1	321.6	2.0	0.2	2254.4	424.0	2.2	0.3	4
5	2237.9	154.0	0.6	0.1	2239.2	169.0	0.9	0.2	2249.3	325.3	2.0	0.2	2254.5	426.0	2.2	0.3	5
6	2237.9	154.0	0.6	0.1	2239.4	171.5	1.5	0.2	2249.5	329.0	2.0	0.2	2254.7	430.1	2.2	0.3	6
7	2238.0	155.0	0.6	0.1	2239.7	175.3	2.2	0.2	2249.7	332.6	2.0	0.2	2254.8	432.1	2.2	0.3	7
8	2238.0	155.0	0.7	0.1	2239.9	177.8	1.6	0.2	2249.8	334.4	2.0	0.2	2255.0	436.2	2.2	0.3	8
9	2238.1	156.2	0.7	0.1	2240.1	180.4	1.6	0.2	2250.0	338.1	2.0	0.2	2255.2	440.4	2.2	0.3	9
10	2237.7	151.9	0.8	2.5	2240.2	181.8	1.1	0.2	2250.1	340.0	2.0	0.2	2255.4	444.6	2.2	0.3	10
11	2237.4	149.8	0.8	2.6	2240.3	183.2	1.4	0.2	2250.3	343.7	2.0	0.3	2255.5	446.6	2.2	0.3	11
12	2237.5	149.8	0.7	0.2	2240.4	184.5	1.1	0.2	2250.5	347.5	2.0	0.3	2255.7	450.8	2.2	0.3	12
13	2237.6	150.8	0.6	0.1	2240.6	187.2	1.1	0.2	2250.7	351.3	2.0	0.3	2255.9	455.0	2.2	0.3	13
14	2237.6	150.8	0.6	0.1	2240.7	188.6	1.1	0.2	2250.8	353.1	2.0	0.3	2256.1	459.2	2.2	0.3	14
15	2237.7	151.9	0.6	0.1	2241.2	195.5	3.7	0.2	2251.0	356.9	2.0	0.3	2256.2	461.4	2.2	0.3	15
16	2237.9	154.0	1.2	0.1	2241.6	201.2	3.0	0.2	2251.1	358.8	2.0	0.3	2256.4	465.7	2.2	0.3	16
17	2238.0	155.0	0.7	0.1	2241.8	204.0	1.8	0.2	2251.3	362.7	2.0	0.3	2256.6	470.0	2.2	0.3	17
18	2238.1	156.2	0.8	0.1	2242.0	206.9	1.8	0.3	2251.5	366.5	2.0	0.3	2256.8	474.3	2.2	0.3	18
19	2238.2	157.3	0.8	0.1	2242.2	209.8	1.9	0.3	2251.6	368.4	2.0	0.3	2256.9	476.4	2.2	0.3	19
20	2238.3	158.4	0.7	0.1	2245.2	255.4	23.3	0.3	2251.8	372.3	2.0	0.3	2257.1	480.8	2.2	0.3	20
21	2238.4	159.6	0.7	0.1	2245.9	266.6	6.0	0.3	2252.0	376.1	2.0	0.3	2260.3	554.0	37.2	0.3	21
22	2238.5	160.8	0.7	0.1	2246.4	274.8	4.4	0.2	2252.1	378.1	2.0	0.3	2264.6	663.0	55.3	0.3	22
23	2238.6	161.9	0.7	0.1	2246.7	279.8	2.9	0.2	2252.3	382.0	2.0	0.3	2265.5	687.2	12.6	0.3	23
24	2238.6	161.9	0.7	0.1	2247.0	284.8	2.8	0.2	2252.4	384.0	2.0	0.3	2266.1	703.7	8.7	0.3	24
25	2238.7	163.0	0.6	0.1	2247.3	290.0	2.4	0.2	2252.6	387.9	2.0	0.3	2266.6	717.7	7.4	0.3	25
26	2238.8	164.2	0.6	0.1	2247.5	293.4	2.4	0.2	2252.8	391.9	2.0	0.3	2267.1	731.8	7.4	0.3	26
27	2238.9	165.4	0.6	0.1	2247.8	298.6	2.3	0.2	2252.9	393.8	2.0	0.3	2267.5	743.3	6.2	0.3	27
28	2238.9	165.4	0.6	0.1	2248.0	302.0	2.3	0.2	2253.1	397.8	2.0	0.3	2267.9	754.8	6.2	0.3	28
29	2239.0	166.5	0.6	0.1	2248.2	305.6	2.3	0.2	2253.3	401.8	1.9	0.3	2268.2	763.6	5.4	0.3	29
30	2239.1	167.8	0.6	0.1	2248.4	309.1	2.3	0.2	2253.5	405.8	1.9	0.3	2268.6	775.4	5.4	0.3	30
31	2239.1	167.8	0.6	0.1					2253.7	409.8	1.9	0.3	2268.9	784.2	5.3	0.3	31
TOTAL			20.9	8.1			81.5	7.9			61.7	8.3			200.8	9.3	
Inf. Ac. Ft.			41.5				161.7				122.4				398.3	723.9	
Outf. Ac. Ft.			16.1 + (6.3)				15.7 + (4.8)				16.5 + (5.2)				18.4 + (5.4)	66.7 + (21.7)	
Maximum Mean Daily Inflow			1.2				23.3				2.0				55.3	55.3	
Minimum Mean Daily Inflow			0.6				0.5				1.9				2.1	0.5	
Storage Change		+ 19.0				+ 141.3				+ 100.7				+ 374.4		+ 695.4	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2,283.8	feet	on	4/6 & 4/7/64	Storage	1,312.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	2,207.0	feet	on	VARIOUS DAYS	Storage	8.8	Acre Feet	H. E. WILSON	Dam Tender	Gage Hts. copied	FM RAP	
Max. Peak Inf.	276.	C. F. S. from		8:00 A.M.	on	4/1/64	to	8:15 A.M.	on	4/1/64	E. K. DE VORE	Hydrographer	Storage applied	FM RAP	
Max. Peak Outf.	360.	C. F. S. from		9:18 A.M.	on	5/24/64	to	10:24 A.M.	on	6/24/64		Hydrographer	Inf. & Outf. comp.	FM RAP	

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES
{ INDICATES AVERAGE FOR PERIOD

76D136N-683 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of COGSWELL Dam

In San Gabriel Canyon – West Fork for the Year Ending September 30, 1964

Continuous Water Stage Recorder Stevens A-35

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10,228. Ac. Ft. at Spillway Elev. 2,385.0 Ft. as of November 1962 Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	2269.2	793.2	5.0	0.3	2275.0	978.8	3.9	0.3	2279.0	1,122.3	88.6	9.4	2276.2	1,020.4	4.4	18.5	1
2	2269.6	805.3	6.6	0.3	2275.2	985.7	4.0	0.3	2282.6	1,263.1	80.6	9.5	2275.5	996.0	6.4	18.5	2
3	2269.8	811.4	3.5	0.2	2275.4	992.6	4.0	0.3	2283.3	1,291.6	26.3	11.6	2274.7	968.7	4.9	18.5	3
4	2270.1	817.4	3.4	0.2	2275.5	996.0	2.3	0.3	2283.6	1,303.9	19.0	12.6	2273.9	941.7	4.7	18.1	4
5	2270.4	829.7	6.5	0.2	2275.6	999.5	2.2	0.3	2283.8	1,312.1	16.7	12.6	2273.2	918.6	6.6	18.1	5
6	2270.6	835.9	3.6	0.2	2275.8	1,006.4	3.9	0.3	2283.8	1,312.1	12.7	12.6	2272.5	895.9	6.7	18.1	6
7	2270.8	842.0	3.4	0.2	2275.9	1,009.8	2.3	0.3	2283.7	1,308.0	10.9	12.6	2271.7	870.3	5.3	18.1	7
8	2271.1	851.4	5.2	0.2	2276.0	1,013.3	2.1	0.3	2283.7	1,308.0	13.0	12.6	2270.9	845.1	5.6	18.1	8
9	2271.3	857.7	3.6	0.2	2276.2	1,020.4	4.1	0.3	2283.5	1,299.8	8.8	12.6	2270.1	820.5	6.0	18.1	9
10	2271.5	864.0	3.5	0.2	2276.3	1,024.0	2.3	0.3	2283.3	1,291.6	8.9	12.6	2269.2	793.2	4.5	18.1	10
11	2271.7	870.3	3.6	0.3	2276.4	1,027.5	2.2	0.3	2283.1	1,283.4	8.8	12.6	2268.4	769.5	6.5	18.1	11
12	2271.9	876.6	3.6	0.3	2276.6	1,034.6	4.1	0.3	2282.9	1,275.3	8.8	12.6	2267.5	743.3	5.1	18.1	12
13	2272.1	883.0	3.7	0.3	2276.8	1,041.7	4.1	0.3	2282.7	1,267.2	9.0	12.6	2266.6	717.7	5.4	18.1	13
14	2272.3	889.5	3.8	0.3	2276.9	1,045.2	2.3	0.3	2282.4	1,255.1	7.3	12.9	2265.7	692.7	3.8	16.2	14
15	2272.5	895.9	3.6	0.3	2277.0	1,048.8	2.4	0.3	2282.2	1,247.0	9.3	12.9	2264.6	663.0	3.4	18.1	15
16	2272.7	902.3	3.6	0.3	2277.1	1,052.4	2.4	0.3	2281.9	1,234.9	6.3	11.9	2263.5	634.0	3.8	18.1	16
17	2272.9	908.8	3.9	0.3	2277.0	1,048.8	4.5	5.8	2281.6	1,223.1	7.3	12.9	2262.4	605.8	4.1	18.1	17
18	2273.1	915.3	3.8	0.3	2276.5	1,031.0	0.4	9.1	2281.4	1,215.1	9.4	13.3	2261.3	578.3	4.4	18.1	18
19	2273.3	921.9	3.8	0.3	2276.1	1,016.8	2.2	9.1	2281.1	1,203.3	7.6	13.3	2260.1	549.2	3.6	18.1	19
20	2273.4	925.2	2.2	0.3	2275.8	1,006.4	4.0	9.1	2280.8	1,191.5	7.5	13.3	2259.8	518.9	3.0	18.1	20
21	2273.6	931.8	3.8	0.3	2275.5	996.0	4.0	9.1	2280.4	1,176.0	5.8	13.3	2257.5	489.6	3.2	17.6	21
22	2273.7	935.1	2.1	0.2	2275.3	989.2	6.1	9.4	2280.1	1,164.3	7.6	13.3	2256.2	461.4	3.6	17.6	22
23	2273.9	941.7	3.8	0.2	2275.3	989.2	9.4	9.4	2279.7	1,149.0	6.0	13.3	2254.8	432.1	3.0	17.6	23
24	2274.0	945.0	2.1	0.2	2275.2	985.7	7.6	9.4	2279.4	1,137.5	7.8	13.3	2253.4	403.8	3.5	17.6	24
25	2274.2	951.8	3.6	0.2	2275.0	978.8	6.0	9.4	2279.0	1,122.3	6.0	13.3	2252.1	378.1	4.9	17.6	25
26	2274.4	958.5	3.8	0.2	2274.9	975.4	7.9	9.4	2278.6	1,107.4	5.9	13.3	2251.2	360.7	3.4	12.0	26
27	2274.5	961.9	2.1	0.2	2274.9	975.4	10.0	9.4	2278.2	1,092.5	6.1	13.3	2250.8	353.1	3.1	6.7	27
28	2274.6	965.3	2.1	0.2	2274.8	972.0	8.0	9.4	2277.9	1,081.5	8.0	13.3	2250.2	341.9	2.5	8.0	28
29	2274.8	972.0	3.6	0.2	2274.6	965.3	6.3	9.4	2277.6	1,070.6	8.0	13.3	2249.4	327.1	2.6	9.9	29
30					2274.5	961.9	7.9	9.4	2277.0	1,048.8	5.7	16.6	2248.6	312.7	2.9	9.9	30
31					2274.6	965.3	11.3	9.4					2247.7	296.8	1.8	9.6	31
TOTAL			106.9	7.1			144.2	141.0			433.7	383.3			132.7	505.4	
Inf. Ac. Ft.			212.0				286.0				860.2				263.2	2,345.3	
Outf. Ac. Ft.			14.1 + (10.1)				279.7 + (13.1)				760.3 + (16.5)				1,002.4+(12.7)	2,123.2 + (74.1)	
Maximum Mean Daily Inflow			6.6				11.3				88.6				6.7	88.6	
Minimum Mean Daily Inflow			2.1				0.4				5.7				1.8	0.4	
Storage Change		+ 187.8				- 6.7				+ 83.5				- 752.0		+ 148.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2,283.8	feet	on	4/6 & 7/64	Storage	1,312.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	2,207.0	feet	on	VARIOUS DAYS	Storage	8.8	Acre Feet	H. E. WILSON	Dam Tender	Gage Hts. copied	RAP FM	
Max. Peak Inf.	276.	C. F. S. from		8:00 A.M.	on	4/1/64	to	8:15 A.M.	on	4/1/64	E. K. DE VORE	Hydrographer	Storage applied	RAP FM	
Max. Peak Outf.	360.	C. F. S. from		9:18 A.M.	on	6/24/64	to	10:24 A.M.	on	6/24/64		Hydrographer	Inf. & Outf. comp.	RAP FM	

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-6BB 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of COGSWELL Dam

In San Gabriel Canyon – West Fork for the Year Ending September 30, 1964

Continuous Water Stage Recorder Stevens A–35

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10,228 Ac. Ft. at Spillway Elev. 2,385.0 Ft. as of November 1962 Gage Heights Read Daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	2,246.7	279.8	1.2	9.6	2,205.0	6.1 1/	1.2	1.2	2,207.0	8.8 1/	0.8	0.8	2,207.0	8.8 1/	0.7	0.7	1
2	2,245.8	265.0	2.4	9.6			1.2	1.2			0.9	0.9			0.7	0.7	2
3	2,244.7	247.6	1.0	9.6			1.2	1.2			0.9	0.9			0.7	0.7	3
4	2,243.7	232.2	2.0	9.6			1.1	1.1			0.9	0.9			0.7	0.7	4
5	2,242.9	220.1	1.6	7.5			1.1	1.1			0.9	0.9			0.7	0.7	5
6	2,242.4	212.8	1.6	5.1			1.0	1.0			0.9	0.9			0.7	0.7	6
7	2,241.9	205.5	1.6	5.1			1.0	1.0			0.9	0.9			0.7	0.7	7
8	2,241.4	198.3	1.5	5.1			1.0	1.0			0.9	0.9			0.7	0.7	8
9	2,241.0	192.6	2.3	5.1			1.0	1.0			0.7	0.7			0.7	0.7	9
10	2,240.5	185.8	1.7	5.1			1.0	1.0			0.6	0.6			0.7	0.7	10
11	2,240.0	179.1	1.7	4.9			1.0	1.0			0.8	0.8			0.7	0.7	11
12	2,239.4	171.5	1.2	4.9			1.0	1.0			0.9	0.9			0.7	0.7	12
13	2,238.8	164.2	1.3	4.9			1.1	1.1			0.9	0.9			0.7	0.7	13
14	2,238.2	157.3	1.7	4.9			1.1	1.1			0.9	0.9			0.7	0.7	14
15	2,237.6	150.8	0.8	4.0			1.1	1.1			0.8	0.8			0.7	0.7	15
16	2,236.7	141.8	1.5	5.9			1.1	1.1			0.8	0.8			0.7	0.7	16
17	2,235.3	128.9	1.0	7.4			1.0	1.0			0.9	0.9			0.7	0.7	17
18	2,233.8	116.3	1.1	7.4			0.9	0.9			0.8	0.8			0.8	0.8	18
19	2,232.3	104.7	1.6	7.4			0.8	0.8			0.8	0.8			0.8	0.8	19
20	2,230.7	93.2	1.6	7.2			0.9	0.9			0.7	0.7			0.7	0.7	20
21	2,229.0	81.8	1.5	7.2			0.9	0.9			0.7	0.7			0.6	0.6	21
22	2,227.1	70.2	1.5	7.2			0.8	0.8			0.8	0.8			0.6	0.6	22
23	2,224.8	57.5	0.6	6.9			0.8	0.8			0.7	0.7			0.6	0.6	23
24	2,205.0	6.1 1/	4.0	30.0			0.9	0.9			0.7	0.7			0.6	0.6	24
25			1.1	1.1			0.9	0.9			0.7	0.7			0.6	0.6	25
26			1.8	1.8			0.9	0.9			0.7	0.7			0.6	0.6	26
27			1.2	1.2			0.9	0.9			0.7	0.7			0.6	0.6	27
28			1.2	1.2			0.9	0.9			0.7	0.7			0.6	0.6	28
29			1.2	1.2	2,205.0	6.1	0.8	0.8			0.7	0.7			0.7	0.7	29
30	2,205.0	6.1 1/	1.2	1.2	2,207.0	8.8	2.2	0.8			0.7	0.7	2,207.0	8.8	0.7	0.7	30
31					2,207.0	8.8 1/	0.8	0.8	2,207.0	8.8 1/	0.7	0.7					31
TOTAL			45.7	189.3			31.6	30.2			24.5	24.5			20.4	20.4	
Inf. Ac. Ft.			90.6				62.7				48.6				40.0	2,587.2	
Outf. Ac. Ft.			375.5 + (5.9)				59.9				48.6				40.0	2,647.2 + (80.0)	
Maximum Mean Daily Inflow			4.0				2.2				0.9				0.8	88.6	
Minimum Mean Daily Inflow			0.6				0.8				0.6				0.6	0.4	
Storage Change			– 290.7				+ 2.7				0				0	– 140.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2,283.8	feet	on	4/6 & 4/7/64	Storage	1,312.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	2,207.0	feet	on	VARIOUS DAYS	Storage	8.8	Acre Feet	H. E. WILSON	Dam Tender	Gage Hts. copied RAP FM
Max. Peak Inf.	276.	C. F. S. from	8:00 A.M.	on	4/1/64	to	8:15 A.M.	on	4/1/64	E. K. DE VORE	Hydrographer	Storage applied RAP FM
Max. Peak Outf.	360.	C. F. S. from	9:18 A.M.	on	6/24/64	to	10:24 A.M.	on	6/24/64		Hydrographer	Inf. & Outf. comp. RAP FM

REMARKS 1/ PIT STORAGE ONLY, RESERVOIR DRY

( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-6BB 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of COGSWELL Dam

In San Gabriel Canyon – West Fork for the Year Ending September 30, 1965

Continuous Water Stage Recorder Stevens A–35

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10,228 Ac. Ft. at Spillway Elev. 2,385.0 Ft. as of November 1962 Gage Heights Read Daily

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	2,207.0	8.8	0.7	0.7	2,216.3	26.8	0.6	0.3	2,220.5	39.2	0.5	0.3	2,239.0	166.5	4.0	0.5	1
2	2,207.1	9.0	0.6	0.5	2,216.4	27.0	0.3	0.2	2,220.6	39.5	0.5	0.3	2,239.5	172.8	3.7	0.5	2
3	2,207.3	10.3	0.8	0.1	2,216.6	27.6	0.5	0.2	2,220.6	39.5	0.3	0.3	2,239.9	177.8	3.0	0.5	3
4	2,207.9	11.0	0.4	0.1	2,216.7	27.8	0.3	0.2	2,220.7	39.8	0.4	0.3	2,240.3	183.2	3.2	0.5	4
5	2,208.4	11.3	0.4	0.2	2,216.9	28.3	0.4	0.2	2,220.8	40.2	0.5	0.3	2,240.7	188.6	3.2	0.5	5
6	2,208.9	12.0	0.4	0.1	2,217.0	28.6	0.4	0.2	2,220.8	40.2	0.3	0.3	2,241.1	194.0	3.1	0.4	6
7	2,209.3	12.6	0.5	0.2	2,217.2	29.2	0.5	0.2	2,220.9	40.6	0.5	0.3	2,241.9	205.5	6.4	0.6	7
8	2,209.7	13.2	0.5	0.2	2,217.4	29.7	0.4	0.2	2,220.9	40.6	0.3	0.3	2,242.4	212.8	4.3	0.5	8
9	2,210.1	13.9	0.6	0.2	2,217.8	30.8	1.0	0.4	2,221.0	40.9	0.5	0.3	2,242.9	220.1	4.2	0.5	9
10	2,210.6	14.7	0.6	0.2	2,218.1	31.7	0.8	0.4	2,221.0	40.9	0.3	0.3	2,243.3	226.1	3.5	0.4	10
11	2,210.9	15.2	0.4	0.2	2,218.1	31.7	0.3	0.3	2,221.0	40.9	0.3	0.3	2,243.7	232.2	3.5	0.4	11
12	2,211.3	16.0	0.6	0.2	2,218.3	32.3	0.5	0.2	2,221.1	41.3	0.5	0.3	2,244.0	236.7	2.7	0.4	12
13	2,211.6	16.5	0.5	0.2	2,218.4	32.6	0.4	0.2	2,221.1	41.3	0.3	0.3	2,244.3	241.4	2.9	0.5	13
14	2,212.0	17.3	0.6	0.2	2,218.6	33.1	0.4	0.2	2,221.1	41.3	0.4	0.4	2,244.6	246.0	3.0	0.5	14
15	2,212.2	17.7	0.4	0.2	2,218.7	33.4	0.4	0.2	2,221.2	41.7	0.6	0.4	2,244.9	250.6	2.8	0.5	15
16	2,212.6	18.5	0.6	0.2	2,218.8	33.7	0.3	0.2	2,221.2	41.7	0.4	0.4	2,245.1	253.8	2.1	0.5	16
17	2,212.8	18.9	0.4	0.2	2,219.2	34.9	1.0	0.4	2,221.2	41.7	0.4	0.4	2,245.4	258.6	3.0	0.5	17
18	2,213.0	19.3	0.4	0.2	2,219.2	34.9	0.3	0.3	2,221.2	41.7	0.4	0.4	2,245.7	263.4	2.9	0.5	18
19	2,213.4	20.1	0.6	0.2	2,219.3	35.2	0.5	0.3	2,221.4	42.4	0.7	0.4	2,245.9	266.6	2.0	0.4	19
20	2,213.6	20.6	0.4	0.2	2,219.5	35.8	0.6	0.3	2,225.1	59.0	9.2	0.8	2,246.1	269.9	2.2	0.4	20
21	2,213.9	21.2	0.6	0.2	2,219.6	36.2	0.5	0.3	2,228.0	75.6	8.9	0.5	2,246.3	273.2	2.1	0.4	21
22	2,214.1	21.6	0.4	0.2	2,219.7	36.5	0.4	0.3	2,228.6	79.3	2.3	0.5	2,246.6	278.2	3.0	0.4	22
23	2,214.3	22.1	0.5	0.3	2,219.8	36.8	0.5	0.3	2,229.4	84.4	3.0	0.4	2,246.8	281.5	2.2	0.4	23
24	2,214.5	22.5	0.5	0.3	2,219.9	37.1	0.4	0.3	2,229.9	87.7	2.1	0.4	2,247.1	286.5	3.0	0.4	24
25	2,214.8	23.2	0.7	0.3	2,220.0	37.4	0.4	0.2	2,230.3	90.4	1.7	0.4	2,247.3	290.0	2.2	0.4	25
26	2,215.0	23.6	0.5	0.3	2,220.1	37.8	0.4	0.2	2,230.8	93.8	2.1	0.4	2,247.4	291.7	1.4	0.4	26
27	2,215.3	24.3	0.6	0.3	2,220.2	38.1	0.3	0.2	2,233.4	113.2	10.4	0.6	2,247.7	296.8	3.1	0.4	27
28	2,215.5	24.8	0.6	0.3	2,220.3	38.4	0.5	0.3	2,235.9	134.2	11.1	0.5	2,247.8	298.6	1.4	0.4	28
29	2,215.8	25.5	0.6	0.3	2,220.4	38.8	0.5	0.3	2,236.8	142.7	4.8	0.5	2,248.0	302.0	2.2	0.4	29
30	2,215.9	25.8	0.5	0.3	2,220.4	38.8	0.3	0.3	2,237.8	152.9	5.6	0.5	2,248.2	305.6	2.3	0.4	30
31	2,216.1	26.3	0.5	0.3					2,238.4	159.6	3.9	0.5	2,248.4	309.1	2.3	0.4	31
TOTAL			16.4	7.6			14.1	7.8			73.2	12.3			90.9	13.9	
Inf. Ac. Ft.			32.5				26.0				145.2				180.3	386.0	
Outf. Ac. Ft.			15.1 + (+)				15.5				24.4				27.6 + (3.2)	82.6 + (3.2)	
Maximum Mean Daily Inflow			0.8				1.0				11.1				6.4	11.1	
Minimum Mean Daily Inflow			0.3				0.3				0.3				1.4	0.3	
Storage Change			+ 17.5				+ 12.5				+ 120.8				+ 149.5	+ 300.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2,323.8	feet	on	5/25/65	Storage	3,604.2	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	2,207.0	feet	on	10/1/64	Storage	8.8	Acre Feet	H. R. WILSON	Dam Tender	Gage Hts. copied FM FM TS
Max. Peak Inf.	478.9	C. F. S. from	7:00 P.M.	on	4/9/65	to	7:15 P.M.	on	4/9/65	E. K. DE VORE	Hydrographer	Storage applied FM FM TS
Max. Peak Outf.	53.1	C. F. S. from	7:00 P.M.	on	4/9/65	to	7:10 P.M.	on	4/9/65		Hydrographer	Inf. & Outf. comp. FM FM TS

REMARKS 1/ INCLUDES PIT STORAGE

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of COGSWELL Dam

In San Gabriel Canyon – West Fork for the Year Ending September 30, 1965

Continuous Water Stage Recorder Stevens A–35

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10,228. Ac. Ft. at Spillway Elev. 2,385.0 Ft. as of November 1962 Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	2,248.6	312.7	2.3	0.4	2,254.6	428.0	2.4	0.3	2,268.0	757.7	104.2	0.3	2,319.2	3,270.5	20.4	1.6	1
2	2,248.7	314.5	1.4	0.4	2,254.8	432.1	2.7	0.3	2,275.5	996.0	120.6	0.4	2,319.6	3,298.8	16.6	1.7	2
3	2,248.9	318.0	2.3	0.4	2,254.9	434.2	1.4	0.3	2,279.4	1,137.5	71.6	0.3	2,320.0	3,327.2	16.5	1.7	3
4	2,249.1	321.6	2.3	0.4	2,255.1	438.3	2.6	0.3	2,281.9	1,234.9	49.6	0.4	2,320.3	3,348.7	13.0	1.7	4
5	2,249.3	325.3	2.3	0.4	2,255.2	440.4	1.5	0.3	2,282.7	1,267.2	34.7	18.4	2,320.6	3,370.2	13.5	1.9	5
6	2,250.0	338.1	7.1	0.7	2,255.4	444.6	2.5	0.3	2,282.0	1,238.9	28.1	42.3	2,320.9	3,391.7	13.3	1.9	6
7	2,250.4	345.6	4.3	0.4	2,255.6	448.7	2.5	0.3	2,281.2	1,207.2	26.9	42.8	2,321.1	3,406.2	10.2	1.9	7
8	2,250.6	349.4	2.3	0.4	2,255.8	452.9	2.5	0.3	2,284.5	1,341.2	113.3	45.7	2,321.3	3,420.6	10.0	1.9	8
9	2,250.9	355.0	3.4	0.4	2,256.0	457.1	2.5	0.3	2,289.9	1,576.7	165.7	47.0	2,321.5	3,435.2	9.8	1.9	9
10	2,251.1	358.8	2.5	0.4	2,256.2	461.4	2.6	0.3	2,293.0	1,721.2	119.8	46.9	2,321.7	3,449.6	10.1	1.9	10
11	2,251.3	362.7	2.4	0.4	2,256.4	465.7	2.5	0.3	2,294.2	1,779.1	76.0	46.3	2,321.9	3,464.2	9.7	1.7	11
12	2,251.5	366.5	2.4	0.4	2,256.6	470.0	2.6	0.4	2,295.1	1,823.1	53.1	31.0	2,322.1	3,478.7	9.7	1.9	12
13	2,251.7	370.3	2.5	0.4	2,256.8	474.3	2.6	0.4	2,296.8	1,908.4	45.0	1.9	2,322.3	3,493.4	9.6	1.9	13
14	2,251.9	374.2	2.3	0.3	2,257.0	478.6	2.6	0.4	2,298.6	2,001.8	48.9	1.6	2,322.5	3,508.1	9.7	1.9	14
15	2,252.1	378.1	2.4	0.3	2,257.2	483.0	2.5	0.3	2,300.4	2,098.4	50.6	1.4	2,322.6	3,515.4	6.4	1.9	15
16	2,252.3	382.0	2.4	0.3	2,257.4	487.4	2.7	0.3	2,302.3	2,203.4	54.8	1.4	2,322.8	3,530.1	10.1	1.9	16
17	2,252.5	386.0	2.4	0.3	2,257.6	491.9	2.6	0.3	2,304.0	2,299.7	50.2	1.4	2,322.9	3,537.5	6.4	1.9	17
18	2,252.7	389.9	2.3	0.3	2,257.8	496.3	2.7	0.3	2,305.8	2,404.1	54.6	1.5	2,323.1	3,552.2	10.1	1.9	18
19	2,252.8	391.9	1.4	0.3	2,258.0	500.7	2.6	0.3	2,307.5	2,505.2	52.8	1.6	2,323.2	3,559.7	6.4	1.9	19
20	2,253.0	395.8	2.4	0.3	2,258.2	505.2	2.7	0.3	2,309.1	2,602.3	51.2	1.6	2,323.3	3,567.1	6.2	1.9	20
21	2,253.2	399.8	2.4	0.3	2,258.3	507.5	1.7	0.3	2,310.6	2,695.4	49.2	1.7	2,323.4	3,574.5	6.4	1.9	21
22	2,253.4	403.8	2.4	0.3	2,258.4	509.8	1.6	0.3	2,311.9	2,777.6	43.7	1.7	2,323.5	3,582.0	6.3	1.9	22
23	2,253.6	407.8	2.5	0.3	2,258.6	514.3	2.7	0.3	2,313.0	2,848.6	38.0	1.7	2,323.6	3,589.4	6.4	1.9	23
24	2,253.7	409.8	1.4	0.3	2,258.7	516.6	1.7	0.3	2,314.1	2,920.9	38.7	1.7	2,323.8	3,604.2	9.8	1.9	24
25	2,253.9	413.8	2.4	0.3	2,258.9	521.1	2.7	0.3	2,315.1	2,987.6	36.0	1.7	2,323.7	3,596.8	5.4	8.7	25
26	2,254.0	415.8	1.4	0.3	2,259.0	523.4	1.5	0.3	2,316.0	3,048.3	33.0	1.7	2,323.5	3,582.0	5.9	12.6	26
27	2,254.2	419.9	2.5	0.3	2,259.2	528.1	2.8	0.3	2,316.8	3,103.1	30.0	1.7	2,323.3	3,567.1	6.1	12.6	27
28	2,254.4	424.0	2.4	0.3	2,259.4	532.8	2.9	0.4	2,317.6	3,158.4	30.3	1.7	2,323.1	3,552.2	6.0	12.6	28
29					2,259.5	535.1	1.6	0.4	2,318.2	3,200.1	23.5	1.6	2,322.9	3,537.5	6.1	12.6	29
30					2,259.6	537.4	1.6	0.3	2,318.7	3,235.2	20.3	1.6	2,322.7	3,522.8	5.9	12.6	30
31					2,260.2	551.6	7.5	0.4					2,322.4	3,500.8	2.0	12.6	31
TOTAL			70.5	10.0			77.6	9.9			1,714.4	351.0			284.0	128.8	
Inf. Ac. Ft.			139.8				153.9				3,406.5				563.3	4,643.5	
Outf. Ac. Ft.			19.8 + (5.2)				19.6 + (6.7)				686.1 + (21.0)				255.5 + (42.2)	1,073.6 + (78.3)	
Maximum Mean Daily Inflow			7.1				7.4				266.5				20.4	266.5	
Minimum Mean Daily Inflow			1.4				1.4				12.5				5.4	0.3	
Storage Change	+ 114.9				+ 127.6				+ 2,683.6				+ 265.6			+3,492.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2,323.8	feet	on	5/25/65	Storage	3,604.2	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	2,207.0	feet	on	10/1/64	Storage	8.8	Acre Feet	H. R. WILSON	Dam Tender	Gage Hts. copied	FM TS	
Max. Peak Inf.	478.9	C. F. S. from	7:00 P.M.	on	4/9/65	to	7:15 P.M.	on	4/9/65	E. K. DE VORE	Hydrographer	Storage applied	FM TS	
Max. Peak Outf.	53.1	C. F. S. from	7:00 P.M.	on	4/9/65	to	7:10 P.M.	on	4/9/65		Hydrographer	Inf. & Outf. comp.	FM TS	

REMARKS

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of COGSWELL Dam

In San Gabriel Canyon – West Fork for the Year Ending September 30, 1965

Continuous Water Stage Recorder Stevens A–35

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10,228. Ac. Ft. at Spillway Elev. 2,385.0 Ft. as of November 1962 Gage Heights Read Daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	2,322.2	3,486.1	5.7	12.6	2,314.4	2,940.8	1.6	11.9	2,302.7	2,225.8	0.6	11.9	2,286.5	1,426.0	0.5	14.0	1
2	2,322.0	3,471.4	5.7	12.6	2,314.1	2,920.9	1.6	11.9	2,302.3	2,203.4	0.6	11.6	2,285.8	1,396.0	0.5	14.0	2
3	2,321.8	3,456.9	5.7	12.6	2,313.8	2,901.1	1.6	11.9	2,301.8	2,175.4	0.6	11.6	2,285.1	1,366.3	0.5	14.0	3
4	2,321.6	3,442.4	5.7	12.6	2,313.4	2,874.8	1.5	11.9	2,301.4	2,153.3	0.6	11.2	2,284.4	1,337.0	0.5	14.0	4
5	2,321.4	3,427.9	5.6	12.8	2,313.1	2,855.2	1.5	11.9	2,301.0	2,131.1	0.6	11.2	2,283.8	1,312.1	0.6	14.0	5
6	2,321.2	3,413.4	5.3	12.9	2,312.7	2,829.2	1.6	11.9	2,300.5	2,103.8	0.6	11.2	2,283.2	1,287.5	0.6	14.0	6
7	2,321.0	3,399.9	5.3	12.6	2,312.4	2,809.8	1.6	11.9	2,300.0	2,076.6	0.6	11.6	2,282.5	1,259.1	0.6	14.0	7
8	2,320.7	3,377.4	5.3	12.6	2,312.0	2,784.0	1.6	11.9	2,299.5	2,049.8	0.6	11.6	2,281.8	1,231.0	0.6	13.6	8
9	2,320.5	3,363.0	5.3	12.6	2,311.7	2,764.9	1.6	11.6	2,299.1	2,023.3	0.6	11.9	2,281.1	1,203.3	0.6	13.6	9
10	2,320.3	3,348.7	5.3	12.6	2,311.4	2,745.8	1.7	11.6	2,298.7	2,007.1	0.6	11.9	2,280.4	1,176.0	0.6	13.6	10
11	2,320.0	3,327.2	4.4	12.6	2,311.0	2,720.4	0.9	11.6	2,298.2	1,980.7	0.6	12.2	2,279.8	1,152.8	0.6	13.3	11
12	2,319.8	3,313.0	4.4	12.6	2,310.6	2,695.4	0.9	11.6	2,297.8	1,959.9	0.6	12.2	2,279.1	1,128.1	0.6	13.3	12
13	2,319.6	3,298.8	4.4	12.6	2,310.3	2,676.6	0.8	11.6	2,297.3	1,934.0	0.6	12.2	2,278.4	1,100.0	0.6	13.3	13
14	2,319.3	3,277.6	4.3	12.6	2,309.9	2,651.6	0.8	11.6	2,296.8	1,908.4	0.6	12.2	2,277.7	1,074.2	0.6	13.3	14
15	2,319.1	3,263.4	4.3	11.3	2,309.6	2,633.1	0.8	10.8	2,296.4	1,888.1	0.6	12.2	2,277.1	1,052.4	0.6	12.2	15
16	2,319.8	3,242.3	3.8	12.9	2,309.2	2,608.4	0.9	12.6	2,295.9	1,862.8	0.6	11.0	2,276.4	1,027.5	0.6	13.6	16
17	2,319.6	3,228.2	3.8	12.9	2,308.8	2,583.9	0.9	12.6	2,295.4	1,838.0	0.6	14.0	2,275.7	1,003.0	0.6	13.6	17
18	2,319.3	3,207.2	3.8	13.3	2,309.4	2,559.6	0.9	12.6	2,294.8	1,808.3	0.6	14.0	2,274.9	975.4	0.6	14.0	18
19	2,319.0	3,186.1	3.8	13.3	2,308.0	2,535.2	1.0	12.6	2,294.3	1,783.9	0.5	14.0	2,274.2	951.8	0.6	14.0	19
20	2,317.7	3,165.3	3.7	12.9	2,307.6	2,511.2	1.0	12.6	2,293.7	1,754.9	0.5	14.0	2,273.4	925.2	0.6	13.3	20
21	2,317.4	3,144.5	3.5	12.6	2,307.2	2,487.1	1.4	12.6	2,293.1	1,726.0	0.5	14.0	2,272.5	895.9	0.6	13.3	21
22	2,317.1	3,123.7	3.4	12.6	2,306.8	2,463.2	1.4	12.6	2,292.6	1,702.2	0.5	14.0	2,271.7	870.3	0.6	13.3	22
23	2,316.8	3,103.1	3.4	12.6	2,306.4	2,439.5	1.4	12.6	2,292.0	1,673.8	0.5	14.0	2,270.9	845.1	0.6	13.3	23
24	2,316.5	3,082.6	3.4	12.6	2,306.0	2,415.8	1.4	12.6	2,291.4	1,645.8	0.5	14.0	2,270.0	817.4	0.6	13.3	24
25	2,316.3	3,063.3	3.4	12.6	2,305.6	2,392.4	1.4	12.6	2,290.8	1,618.0	0.5	14.0	2,269.2	793.2	0.6	13.3	25
26	2,316.0	3,043.3	2.8	12.6	2,305.2	2,369.0	0.9	12.2	2,290.2	1,590.4	0.5	14.0	2,268.3	766.6	0.6	13.3	26
27	2,315.7	3,028.0	2.8	12.2	2,304.8	2,345.8	0.8	12.2	2,289.6	1,563.1	0.5	14.0	2,267.4	740.4	0.6	13.3	27
28	2,315.4	3,007.8	2.8	12.2	2,304.4	2,322.7	0.8	12.2	2,289.1	1,540.5	0.5	14.0	2,266.5	714.9	0.6	13.3	28
29	2,315.1	2,987.6	2.8	12.2	2,303.9	2,294.0	0.8	12.2	2,288.4	1,509.2	0.5	14.0	2,265.5	687.2	0.6	13.3	29
30	2,314.8	2,967.5	2.8	11.9	2,303.5	2,271.2	0.8	12.2	2,287.8	1,482.6	0.5	14.0	2,264.5	660.3	0.6	13.3	30
31					2,303.1	2,248.4	0.8	11.9	2,287.1	1,452.0	0.5	14.0					31
TOTAL			126.7	377.6			36.7	374.5			17.3	397.7			17.6	405.7	
Inf. Ac. Ft.			251.3				72.8				34.3				34.9	5,036.8	
Outf. Ac. Ft.			749.0 + (35.7)				742.8 + (49.0)				788.8 + (41.9)				804.7 + (21.8)	4,158.9 + (226.7)	
Maximum Mean Daily Inflow			5.7				1.6				0.6				0.6	266.5	
Minimum Mean Daily Inflow			2.8				0.8				0.5				0.5	0.3	
Storage Change	– 533.3				– 719.1				– 796.4				– 791.7			+ 651.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2,323.8	feet	on	5/25/65	Storage	3,604.2	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	2,207.0	feet	on	10/1/64	Storage	8.8	Acre Feet	H. E. WILSON	Dam Tender	Gage Hts. copied	FM TS	
Max. Peak Inf.	478.9	C. F. S. from	7:00 P.M.	on	4/9/65	to	7:15 P.M.	on	4/9/65	E. K. DE VORE	Hydrographer	Storage applied	FM TS	
Max. Peak Outf.	53.1	C. F. S. from	7:00 P.M.	on	4/9/65	to	7:10 P.M.	on	4/9/65		Hydrographer	Inf. & Outf. comp.	FM TS	

REMARKS (INDICATES AVERAGE FOR PERIOD

76D139N-668 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam

In San Gabriel Canyon for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 202.7 Square Miles. Capacity of Reservoir 43642 Ac. Ft. at Spillway Elev. 1,453.0 Ft. as of November 1962 Gage Heights Read Daily

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,325.88	3,088	14.2	37.2	1,308.13	1,406	19.1	29.5	1,316.30	2,132	31.3	10.2	1,317.08	2,159	24.3	10.1	1
2	1,325.47	3,041	14.2	37.1	1,307.90	1,390	17.3	25.1	1,317.04	2,155	29.3	17.0	1,317.35	2,185	23.7	10.1	2
3	1,325.07	2,994	13.9	36.9	1,307.69	1,376	18.3	25.0	1,317.00	2,151	28.7	30.1	1,317.58	2,207	22.1	10.2	3
4	1,324.66	2,948	14.5	37.0	1,307.47	1,360	17.3	25.0	1,316.95	2,146	28.2	30.1	1,317.81	2,230	22.7	10.3	4
5	1,324.26	2,902	14.9	36.9	1,307.25	1,345	17.7	24.9	1,316.89	2,141	28.2	30.1	1,318.09	2,257	24.7	10.3	5
6	1,323.85	2,856	15.1	37.0	1,307.33	1,351	28.0	24.9	1,316.89	2,141	27.3	26.8	1,318.32	2,280	22.5	10.3	6
7	1,323.41	2,808	13.9	36.8	1,307.53	1,365	32.7	25.2	1,316.91	2,142	26.3	25.1	1,318.58	2,305	22.9	10.0	7
8	1,322.97	2,760	13.7	36.8	1,307.52	1,364	24.8	25.0	1,316.92	2,143	26.1	25.1	1,319.81	2,328	22.0	9.8	8
9	1,322.52	2,711	13.1	36.7	1,307.46	1,360	23.7	25.1	1,316.97	2,148	27.9	25.1	1,319.05	2,352	22.5	9.8	9
10	1,322.06	2,661	13.0	37.0	1,307.30	1,349	20.0	25.1	1,316.99	2,150	26.6	25.1	1,319.29	2,376	22.4	9.9	10
11	1,321.62	2,615	14.7	37.0	1,307.14	1,338	20.0	25.1	1,317.01	2,152	26.8	25.2	1,319.53	2,401	23.1	9.9	11
12	1,321.17	2,568	14.7	37.1	1,306.97	1,326	19.5	25.1	1,317.02	2,153	26.3	25.2	1,319.76	2,424	22.0	9.9	12
13	1,320.73	2,522	14.9	37.0	1,306.79	1,314	19.2	25.1	1,317.03	2,154	26.1	25.2	1,320.00	2,448	22.6	9.9	13
14	1,320.26	2,475	14.4	37.1	1,306.61	1,302	19.1	25.0	1,317.04	2,155	26.3	25.2	1,320.20	2,468	20.6	9.9	14
15	1,319.68	2,416	12.9	42.1	1,307.00	1,328	38.1	25.0	1,317.03	2,154	25.1	25.2	1,320.42	2,491	22.1	9.9	15
16	1,319.12	2,359	18.8	47.2	1,307.51	1,363	43.2	25.1	1,317.02	2,153	25.2	25.3	1,320.64	2,513	21.5	9.9	16
17	1,318.60	2,307	21.2	47.0	1,307.74	1,379	33.7	25.1	1,317.00	2,151	24.8	25.3	1,320.86	2,536	21.9	10.0	17
18	1,318.06	2,254	20.8	47.1	1,307.84	1,386	29.1	25.1	1,316.98	2,149	24.7	25.4	1,321.09	2,559	21.8	10.0	18
19	1,317.50	2,200	20.0	46.9	1,307.97	1,395	29.8	25.1	1,316.97	2,148	25.2	25.4	1,321.30	2,582	21.8	10.0	19
20	1,316.88	2,140	17.2	46.9	1,310.06	1,549	103.0	25.2	1,316.95	2,146	24.7	25.4	1,321.50	2,602	20.1	10.0	20
21	1,316.25	2,080	17.3	47.0	1,310.97	1,620	61.5	25.3	1,316.93	2,144	25.0	25.4	1,323.29	2,795	107.3	10.0	21
22	1,315.54	2,013	14.6	47.8	1,311.78	1,685	51.3	19.0	1,316.89	2,141	24.5	25.4	1,325.83	3,082	155.1	10.0	22
23	1,314.80	1,945	14.1	48.0	1,312.57	1,750	43.6	10.6	1,316.85	2,137	24.0	25.4	1,326.73	3,188	63.9	10.0	23
24	1,314.06	1,878	15.2	48.1	1,313.29	1,811	41.8	10.6	1,316.82	2,134	24.1	25.0	1,327.31	3,257	45.3	10.0	24
25	1,313.30	1,812	15.2	47.9	1,313.96	1,861	36.5	10.7	1,316.80	2,132	24.3	24.8	1,327.83	3,320	42.4	10.0	25
26	1,312.50	1,744	14.5	48.0	1,314.47	1,915	36.5	8.7	1,316.78	2,130	24.3	24.8	1,328.26	3,372	36.4	10.0	26
27	1,311.67	1,676	16.0	49.7	1,314.99	1,962	34.1	9.9	1,316.77	2,129	24.7	24.8	1,328.69	3,425	37.3	10.0	27
28	1,310.80	1,606	13.3	48.2	1,315.50	2,010	34.5	9.9	1,316.74	2,126	23.7	24.8	1,328.67	3,422	32.3	33.3	28
29	1,309.90	1,536	13.5	48.3	1,315.96	2,052	32.0	10.3	1,316.67	2,120	22.2	24.7	1,328.50	3,402	35.4	45.0	29
30	1,308.96	1,466	13.5	48.3	1,316.37	2,091	30.4	10.1	1,316.62	2,115	22.8	24.8	1,328.28	3,374	31.4	45.0	30
31	1,308.43	1,428	15.3	33.7					1,316.80	2,132	24.2	15.0	1,328.08	3,350	33.7	45.0	31
TOTAL			472.6	1,309.8			975.8	629.8			798.9	762.4			1,067.8	438.5	
Inf. Ac. Ft.			937.4				1,935.5				1,584.6				2,117.8	6,575.4	
Outf. Ac. Ft.			2,597.9 + (46.4)				1,249.2 + (23.2)				1,512.2 + (31.3)				869.8 + (30.1)	6,229.1 + (131.0)	
Maximum Mean Daily Inflow			21.2				103.0				31.3				155.1	155.1	
Minimum Mean Daily Inflow			12.9				17.3				22.2				20.1	12.9	
Storage Change			− 1,707.				+ 663.				+ 41.				+ 1,218.	+ 215.	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,360.09	feet	on	6/25/64	Storage	9,005	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	1,306.6	feet	on	11/14/63	Storage	1,301.	Acre Feet	O. R. WATKINS	Dam Tender	Gage Hts. copied AJF RAP
Max. Peak Inf.	504.	C. F. S. from	7:45 A.M.	on	8/18/64	to	8:00 A.M. on	4/1/64	E. K. DE VORE	Hydrographer Storage applied AJF RAP
Max. Peak Outf.	49.7 1/	C. F. S. from	12:00 MID.	on	10/26/64	to	12:00 MID. on	10/27/64		Hydrographer Inf. & Outf. comp. AJF RAP

REMARKS 1/ PEAK OUTFLOW IS CONDUIT RELEASE, NOT STORM RELEASE
( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-668 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam

In San Gabriel Canyon for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 202.7 Square Miles. Capacity of Reservoir 43642 Ac. Ft. at Spillway Elev. 1,453.0 Ft. as of November 1962 Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,327.86	3,323	32.1	45.0	1,322.58	2,718	24.6	30.3	1,331.07	3,725	287.3	25.3	1,348.05	6,468	75.0	40.1	1
2	1,327.61	3,293	31.0	45.0	1,322.61	2,721	29.6	26.9	1,333.52	4,052	191.5	25.6	1,348.39	6,535	75.6	40.1	2
3	1,327.38	3,266	32.2	45.0	1,322.59	2,719	25.1	25.3	1,334.99	4,258	130.0	25.2	1,348.70	6,597	72.9	40.2	3
4	1,327.16	3,239	32.0	45.0	1,322.56	2,715	23.8	25.3	1,336.16	4,429	111.7	24.9	1,349.02	6,660	73.0	40.4	4
5	1,326.90	3,208	29.9	45.0	1,322.53	2,712	24.3	25.3	1,337.20	4,584	103.6	25.1	1,349.34	6,724	73.8	40.5	5
6	1,326.63	3,176	29.6	44.9	1,322.51	2,710	24.9	25.3	1,337.96	4,700	94.9	35.2	1,349.72	6,801	80.3	40.5	6
7	1,326.38	3,147	31.0	44.8	1,322.50	2,709	25.3	25.3	1,338.53	4,788	86.5	40.5	1,350.07	6,871	76.4	40.1	7
8	1,326.09	3,113	28.4	44.8	1,322.47	2,706	24.7	25.3	1,339.04	4,867	82.2	40.8	1,350.39	6,936	74.1	39.8	8
9	1,325.80	3,079	28.5	44.7	1,322.43	2,701	23.4	25.3	1,339.52	4,944	80.8	40.6	1,350.70	6,999	73.7	39.9	9
10	1,325.50	3,044	27.7	44.6	1,322.41	2,699	24.7	25.1	1,340.03	5,025	82.1	40.0	1,351.00	7,060	72.7	39.9	10
11	1,325.22	3,012	29.0	44.5	1,322.37	2,695	23.4	24.9	1,340.55	5,110	83.7	40.0	1,351.36	7,134	79.1	40.0	11
12	1,324.98	2,984	25.1	38.4	1,322.37	2,695	24.9	24.9	1,341.06	5,194	83.9	40.0	1,351.67	7,197	73.4	40.1	12
13	1,324.81	2,965	26.5	35.5	1,322.34[1]	2,692	23.9	24.9	1,341.54	5,274	82.3	40.0	1,352.03	7,271	78.9	40.1	13
14	1,324.68	2,950	28.6	35.5	1,322.31	2,688	23.9	25.0	1,341.99	5,349	79.9	40.0	1,352.34	7,335	74.2	40.1	14
15	1,324.54	2,934	28.0	35.5	1,322.27	2,684	24.4	25.2	1,342.42	5,424	80.0	40.0	1,352.74	7,418	73.8	30.2	15
16	1,324.36	2,914	26.0	35.5	1,322.14	2,670	19.1	25.2	1,342.85	5,498	78.7	40.0	1,353.18	7,510	73.8	25.3	16
17	1,324.20	2,896	27.0	35.4	1,322.08	2,664	23.0	24.9	1,343.28	5,574	79.3	40.0	1,353.60	7,598	71.6	25.3	17
18	1,324.02	2,875	25.5	35.3	1,322.11	2,667	27.0	24.8	1,343.74	5,656	82.4	40.0	1,354.00	7,682	69.7	25.4	18
19	1,323.81	2,852	24.7	35.3	1,322.17	2,673	28.4	24.8	1,344.23	5,744	85.5	40.1	1,354.39	7,764	68.8	25.5	19
20	1,323.66	2,836	24.9	32.0	1,322.22	2,679	28.6	24.8	1,344.60	5,811	75.3	40.2	1,354.74	7,838	64.8	25.4	20
21	1,323.54	2,822	24.2	30.4	1,322.33	2,691	31.4	24.8	1,344.94	5,873	72.4	39.9	1,355.08	7,910	64.1	25.4	21
22	1,323.43	2,810	25.5	30.4	1,322.85	2,747	53.0	24.7	1,345.27	5,935	72.3	39.7	1,355.41	7,980	62.7	25.4	22
23	1,323.29	2,795	23.7	30.4	1,323.62	2,831	67.4	24.6	1,345.62	6,001	74.8	39.8	1,355.72	8,046	60.7	25.5	23
24	1,323.18	2,783	24.8	30.4	1,324.19	2,894	57.5	25.2	1,345.93	6,059	70.7	39.8	1,356.05	8,117	63.1	25.5	24
25	1,323.09	2,773	25.6	30.4	1,324.55	2,935	46.9	25.5	1,346.19	6,108	66.3	39.8	1,356.35	8,182	60.2	25.5	25
26	1,322.97	2,760	24.6	30.3	1,324.90	2,975	46.2	25.2	1,346.44	6,156	63.9	38.2	1,356.61	8,239	56.5	25.6	26
27	1,322.83	2,745	23.5	30.3	1,325.23	3,013	45.2	25.0	1,346.68	6,202	64.7	40.0	1,356.82	8,283	49.9	24.7	27
28	1,322.72	2,733	24.4	30.3	1,325.56	3,051	45.1	25.0	1,347.02	6,267	73.3	40.0	1,357.02	8,326	48.7	24.6	28
29	1,322.69	2,730	29.4	30.3	1,325.90	3,090	45.7	25.0	1,347.37	6,335	74.7	40.0	1,357.24	8,374	51.5	24.9	29
30					1,326.28	3,135	48.3	25.0	1,347.71	6,401	74.0	40.0	1,357.43	8,416	48.0	24.7	30
31					1,326.88	3,206	60.9	25.0					1,357.62	8,457	47.7	24.8	31
TOTAL			793.4	1,084.9			1,044.6	783.8			2,768.7	1,120.7			2,088.7	995.5	
Inf. Ac. Ft.			1,573.7				2,071.9				5,491.6				4,142.9	19,855.5	
Outf. Ac. Ft.			2,151.9 + (41.9)				1,554.6 + (41.3)				2,222.9 + (73.8)				1,974.5 + (112.3	14,133.0 + (400.3)	
Maximum Mean Daily Inflow			32.2				67.4				287.3				80.3	287.3	
Minimum Mean Daily Inflow			23.5				19.1				63.9				47.7	12.9	
Storage Change			− 620.				+ 476.				+ 3,195.				+ 2,056.	+ 5,322.	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,360.09	feet	on	6/25/64	Storage	9,005.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	1,306.6	feet	on	11/14/64	Storage	1,301	Acre Feet	O. R. WATKINS	Dam Tender	Gage Hts. copied RAP TS
Max. Peak Inf.	504.	C. F. S. from	7:45 A.M.	on	8/18/64	to	8:00 A.M. on	4/1/64	E. K. DE VORE	Hydrographer Storage applied RAP TS
Max. Peak Outf.	49.7 1/	C. F. S. from	12:00 MID.	on	10/26/64	to	12:00 MID. on	10/27/64		Hydrographer Inf. & Outf. comp. RAP TS

REMARKS 1/ PEAK OUTFLOW IS CONDUIT RELEASE, NOT STORM RELEASE
( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam

In San Gabriel Canyon for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 202.7 Square Miles. Capacity of Reservoir 43642 Ac. Ft. at Spillway Elev. 1,453.0 Ft. as of November 1962 Gage Heights Read Daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1,357.77	8,490	43.8	24.8	1,359.60	8,895	21.1	33.7	1,352.07	7,279	10.2	38.4	1,342.07	5,363	10.6	37.9	1
2	1,357.93	8,525	44.7	24.8	1,359.40	8,851	19.6	38.1	1,351.78	7,220	11.6	38.4	1,341.70	5,301	9.3	37.9	2
3	1,358.10	8,562	45.4	24.8	1,359.19	8,804	17.7	38.1	1,351.50	7,162	11.9	38.4	1,341.33	5,239	9.4	37.9	3
4	1,358.26	8,597	44.4	24.8	1,359.00	8,761	19.6	38.1	1,351.21	7,103	11.1	38.2	1,340.98	5,181	11.3	37.9	4
5	1,358.40	8,628	42.5	24.8	1,358.79	8,715	17.9	38.1	1,350.90	7,040	8.7	38.0	1,340.58	5,115	6.6	37.9	5
6	1,358.50	8,650	38.2	24.9	1,358.60	8,673	20.0	38.1	1,350.62	6,983	12.0	38.0	1,340.16	5,046	5.2	37.9	6
7	1,358.61	8,675	39.4	24.9	1,358.39	8,626	17.7	38.1	1,350.31	6,920	9.5	38.0	1,339.80	4,988	10.9	37.8	7
8	1,358.75	8,706	41.7	24.9	1,358.17	8,578	16.6	38.1	1,350.01	6,859	10.1	38.0	1,339.41	4,926	9.2	37.7	8
9	1,358.96	8,752	50.8	25.0	1,357.94	8,527	15.7	38.1	1,349.71	6,799	9.6	38.0	1,338.99	4,859	6.7	37.7	9
10	1,359.07	8,777	39.9	25.1	1,357.70	8,475	14.9	38.1	1,349.41	6,738	9.6	38.0	1,338.57	4,794	7.3	38.3	10
11	1,359.18	8,801	39.5	25.1	1,357.48	8,427	16.8	38.1	1,349.11	6,678	9.8	38.0	1,338.15	4,729	7.8	38.7	11
12	1,359.28	8,824	39.5	25.9	1,357.23	8,372	13.5	38.1	1,348.82	6,620	11.1	38.0	1,337.70	4,660	5.6	38.7	12
13	1,359.36	8,842	36.6	25.4	1,357.01	8,324	17.0	38.1	1,348.51	6,559	9.7	37.9	1,337.27	4,594	7.1	38.5	13
14	1,359.40	8,851	32.0	25.5	1,356.78	8,274	16.0	38.1	1,348.21	6,500	10.5	37.8	1,336.87	4,534	9.7	38.5	14
15	1,359.46	8,864	33.9	25.3	1,356.54	8,223	15.3	38.1	1,347.91	6,440	10.5	37.8	1,336.47	4,475	10.2	38.5	15
16	1,359.50	8,873	31.4	25.2	1,356.30	8,171	14.8	38.1	1,347.59	6,378	9.7	37.8	1,336.04	4,411	7.7	38.5	16
17	1,359.57	8,889	36.9	26.3	1,356.06	8,119	14.8	38.1	1,347.25	6,312	7.6	38.2	1,335.59	4,345	6.1	38.3	17
18	1,359.63	8,902	35.0	26.3	1,355.79	8,061	12.2	38.1	1,346.92	6,248	9.0	38.4	1,335.17	4,284	8.6	38.2	18
19	1,359.70	8,918	36.1	26.3	1,355.53	8,006	13.6	38.1	1,346.57	6,181	7.6	38.4	1,334.76	4,225	10.2	38.2	19
20	1,359.78	8,936	36.2	25.2	1,355.28	7,953	14.4	38.0	1,346.23	6,116	8.3	38.4	1,334.30	4,160	6.8	38.2	20
21	1,359.83	8,947	32.7	25.2	1,355.02	7,897	12.4	37.8	1,345.90	6,053	9.5	38.3	1,333.88	4,102	10.3	38.2	21
22	1,359.89	8,960	35.2	26.3	1,354.77	7,844	14.4	38.3	1,345.56	5,989	8.9	38.3	1,333.41	4,037	7.5	38.2	22
23	1,359.91	8,965	31.5	26.3	1,354.50	7,788	13.1	38.5	1,345.21	5,923	8.0	38.3	1,332.94	3,973	7.9	38.1	23
24	1,360.08	9,003	49.0	26.3	1,354.23	7,731	12.5	38.5	1,344.86	5,859	8.3	38.3	1,332.48	3,911	8.2	38.1	24
25	1,360.03	8,992	23.6	26.3	1,353.96	7,674	12.5	38.5	1,344.50	5,793	7.4	38.3	1,332.01	3,848	7.3	38.1	25
26	1,359.99	8,983	24.6	26.3	1,353.70	7,619	12.6	38.5	1,344.14	5,727	7.1	38.2	1,331.57	3,791	10.4	38.1	26
27	1,359.95	8,974	24.1	25.1	1,353.47	7,571	17.3	38.5	1,343.80	5,666	9.1	38.2	1,331.11	3,730	8.6	38.1	27
28	1,359.89	8,960	22.3	25.1	1,353.19	7,512	11.7	38.5	1,343.45	5,604	9.0	38.2	1,330.64	3,670	9.4	38.1	28
29	1,359.82	8,945	21.8	25.1	1,352.92	7,455	12.9	38.5	1,343.12	5,545	10.4	38.2	1,330.16	3,609	8.7	38.1	29
30	1,359.74	8,927	19.9	25.1	1,352.64	7,397	12.2	38.4	1,342.75	5,481	7.8	38.2	1,329.68	3,549	9.3	38.0	30
31					1,352.36	7,340	12.6	38.4	1,342.41	5,422	10.7	38.1					31
TOTAL			1,072.6	762.4			473.4	1,179.9			294.3	1,182.7			253.9	1,144.3	
Inf. Ac. Ft.			2,127.5				939.0				583.7				503.6	24,009.3	
Outf. Ac. Ft.			1,512.2 + (145.2)				2,340.3 + (185.7)				2,345.8 + (155.9)				2,269.7 + (106.9)	22,601.0 + (994.0)	
Maximum Mean Daily Inflow			50.8				21.1				12.0				11.3	287.3	
Minimum Mean Daily Inflow			19.9				11.7				7.1				5.2	5.2	
Storage Change			+ 470.				- 1,587.				- 1,918.				- 1,873.	+ 414.	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,360.09	feet	on	6/25/64	Storage	9,005	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1,306.6	feet	on	11/14/64	Storage	1,301	Acre Feet	O. R. WATKINS	Dam Tender	Gage Hts. copied	RAP FM
Max. Peak Inf.	504.	C. F. S. from		7:45 A.M.	on	4/1/64	to 8:00 A.M. on	4/1/64	E. K. DE VORE	Hydrographer	Storage applied	RAP FM
Max. Peak Outf.	49.7 1/	C. F. S. from		12:00 MID.	on	10/26/63	to 12:00 MID. on	12/27/63		Hydrographer	Inf. & Outf. comp.	RAP FM

REMARKS 1/ PEAK OUTFLOW IS CONDUIT RELEASE, NOT STORM RELEASE
( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam

In San Gabriel Canyon for the Year Ending September 30, 1965

Continuous Water Stage Recorder Au

Drainage Area 202.7 Square Miles. Capacity of Reservoir 43,642. Ac. Ft. at Spillway Elev. 1,453.0 Ft. as of November 1962 Gage Heights Read Daily

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1,329.18	3,486	7.9	38.0	1,303.33	1,094	12.0	7.4	1,311.40	1,654	17.7	10.4	1,320.07	2,455	33.3	34.8	1
2	1,328.67	3,422	7.2	38.0	1,303.52	1,103	12.6	7.5	1,311.60	1,671	19.1	10.5	1,320.00	2,448	31.7	34.7	2
3	1,328.16	3,360	8.2	37.8	1,303.65	1,110	11.5	7.4	1,311.81	1,688	19.2	10.4	1,319.91	2,439	30.6	34.8	3
4	1,327.63	3,296	6.7	37.6	1,303.77	1,116	11.1	7.5	1,311.98	1,701	17.5	10.5	1,319.78	2,426	28.6	34.7	4
5	1,327.10	3,232	6.8	37.6	1,303.97	1,126	10.7	5.1	1,312.19	1,719	19.8	10.4	1,319.68	2,416	27.6	32.3	5
6	1,326.54	3,166	6.3	39.2	1,304.08	1,131	10.7	7.5	1,312.38	1,735	19.0	10.5	1,319.62	2,410	26.9	29.8	6
7	1,325.99	3,101	6.9	38.5	1,304.19	1,139	11.3	7.4	1,312.57	1,750	19.4	10.4	1,319.81	2,429	40.0	30.0	7
8	1,325.42	3,035	6.4	38.5	1,304.30	1,146	11.3	7.5	1,312.76	1,766	19.0	10.5	1,319.86	2,434	32.8	29.9	8
9	1,324.84	2,968	5.9	38.5	1,304.83	1,172	20.7	7.4	1,312.93	1,780	17.9	10.4	1,319.88	2,436	31.3	30.0	9
10	1,324.27	2,904	7.7	38.5	1,305.63	1,213	30.3	9.3	1,313.10	1,795	18.4	10.6	1,319.87	2,435	29.8	29.9	10
11	1,323.67	2,837	5.9	38.3	1,306.08	1,236	21.7	10.1	1,313.28	1,810	18.2	10.5	1,319.85	2,433	29.5	30.1	11
12	1,323.10	2,774	7.4	38.1	1,306.40	1,253	19.2	10.2	1,313.45	1,825	19.7	10.6	1,319.80	2,428	27.9	30.0	12
13	1,322.50	2,709	6.0	38.0	1,306.66	1,268	18.2	10.1	1,313.61	1,839	18.1	10.5	1,319.76	2,424	28.6	30.1	13
14	1,321.89	2,643	5.5	38.0	1,306.87	1,282	17.9	10.2	1,313.81	1,856	19.4	10.2	1,319.69	2,417	26.8	30.0	14
15	1,315.90	1/ 2,047	6.2	260.9	1,307.05	1,296	17.6	10.1	1,313.97	1,870	17.5	9.9	1,319.61	2,409	26.3	30.1	15
16	1,304.10	1,140	7.8	388.9	1,307.21	1,308	16.3	10.2	1,314.17	1,888	19.3	10.0	1,319.53	2,401	26.4	30.0	16
17	1,301.43	983.9	9.5	88.1	1,307.92	1,335	24.0	10.1	1,314.35	1,904	18.3	9.9	1,319.42	2,389	24.4	30.1	17
18	1,301.60	993.5	8.5	6.2	1,308.38	1,356	21.5	10.3	1,314.55	1,922	19.1	10.0	1,319.33	2,380	25.8	30.0	18
19	1,301.67	997.4	8.0	6.4	1,308.67	1,371	20.5	12.8	1,314.80	1,945	21.5	9.9	1,319.23	2,370	25.2	30.1	19
20	1,301.71	1,000	8.1	6.3	1,308.93	1,387	19.2	10.3	1,315.33	1,994	34.9	10.1	1,319.44	2,391	25.4	14.6	20
21	1,301.75	1,002	8.0	6.4	1,309.18	1,404	19.2	10.3	1,315.86	2,043	34.8	10.0	1,319.83	2,431	27.4	7.0	21
22	1,301.81	1,005	8.6	6.3	1,309.42	1,421	19.2	10.4	1,316.27	2,082	29.7	10.1	1,320.19	2,467	25.1	6.9	22
23	1,301.93	1,012	9.2	6.4	1,309.67	1,436	18.5	10.3	1,316.63	2,116	27.2	10.0	1,320.54	2,503	25.5	7.0	23
24	1,302.04	1,018	10.3	6.3	1,309.90	1,452	18.5	10.4	1,316.97	2,148	26.3	10.1	1,320.97	2,547	29.8	6.9	24
25	1,302.18	*1,026	10.9	6.7	1,310.12	1,468	18.9	10.3	1,317.28	2,178	25.2	10.0	1,321.34	2,586	27.1	7.0	25
26	1,302.31	1,034	10.5	6.3	1,310.36	1,484	18.5	10.4	1,317.58	2,207	24.8	10.1	1,321.67	2,620	24.7	6.9	26
27	1,302.43	1,041	10.7	7.1	1,310.59	1,500	18.5	10.3	1,318.39	2,287	50.4	10.0	1,322.00	2,655	25.1	7.1	27
28	1,302.56	1,048	10.8	7.4	1,310.82	1,513	17.5	10.4	1,319.22	2,369	51.4	9.3	1,322.32	2,690	25.4	7.0	28
29	1,302.81	1,063	12.7	7.5	1,311.04	1,524	15.9	10.3	1,319.90	2,438	44.9	10.2	1,322.61	2,721	23.4	7.1	29
30	1,303.03	1,076	12.2	7.4	1,311.22	1,533 1/	15.9	10.5	1,320.11	2,459	38.0	27.1	1,322.91	2,753	23.8	7.0	30
31	1,306.18	1,085	12.0	7.5					1,320.11	2,459	35.2	34.9	1,323.20	2,785	23.7	7.1	31
TOTAL			259.8	1,365.7			518.9	282.0			778.9	359.0			859.9	683.0	
Inf. Ac. Ft.			513.3				1,029.2				1,544.9				1,705.6	4,793.0	
Outf. Ac. Ft.			2,712.4 + (49.4)				559.3 + (21.4)				710.1 + (15.9)				1,354.7 + (24.8)	5,336.5 + (111.5)	
Maximum Mean Daily Inflow			12.7				30.3				51.4				40.0	51.4	
Minimum Mean Daily Inflow			5.5				10.7				17.5				23.4	5.5	
Storage Change			- 2,464.				+ 448.				+ 819.				+ 326.	- 764.	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,392.13	feet	on	6/4/65	Storage	17,754.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1,301.16	feet	on	10/17/64	Storage	968.7	Acre Feet	O. R. WATKINS	Dam Tender	Gage Hts. copied	FM JLF
Max. Peak Inf.	1,067.	C. F. S. from		9:00 P.M.	on	4/9/65	to 9:15 P.M. on	4/9/65	E. K. DE VORE	Hydrographer	Storage applied	FM JLF
Max. Peak Outf.	1,483.	C. F. S. from		MID.	on	6/4/65	to MID. on	6/5/65		Hydrographer	Inf. & Outf. comp.	FM JLF

REMARKS * 25-HOUR DAY. 1/ 212.5 A.F. ERROR IN SAN GABRIEL STORAGE TABLE DUE TO MOVEMENT OF SAND BANK. INFLOWS FROM 10/18 TO 11/30 BASED ON P3 + P4 OUTFLOWS TO RIVER 10/15 AND 10/16 BASED ON MORRIS INFLOW. STORAGE CALCULATED FROM INFLOW AND OUTFLOW.

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam

In San Gabriel Canyon for the Year Ending September 30, 19 65

Continuous Water Stage Recorder Au

Drainage Area 202.7 Square Miles. Capacity of Reservoir 43,642 Ac. Ft. at Spillway Elev. 1,453.0 Ft. as of November 1962 Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,323.49	2,917	23.6	7.1	1,331.00	3,716	19.8	7.3	1,338.64	4,805	184.0	2.5	1,383.45	15,062	197.0	50.0	1
2	1,323.77	2,948	23.3	7.2	1,331.17	3,738	19.6	7.4	1,342.02	5,354	276.9	0.1	1,384.36	15,332	188.3	49.3	2
3	1,324.04	2,978	22.8	7.2	1,331.34	3,761	20.0	7.3	1,344.10	5,720	184.7	0.2	1,385.13	15,562	168.3	49.5	3
4	1,324.31	2,908	23.0	7.3	1,331.51	3,783	19.7	7.4	1,345.44	5,967	124.6	0.1	1,385.79	15,762	152.9	49.4	4
5	1,324.62	2,943	24.9	7.2	1,331.68	3,805	19.2	7.3	1,346.51	6,169	103.1	0.2	1,386.34	15,930	143.7	56.1	5
6	1,325.15	3,003	37.7	7.3	1,331.86	3,829	20.1	7.4	1,347.66	6,392	117.9	4.7	1,386.83	16,081	139.1	60.0	6
7	1,325.58	3,053	33.0	7.2	1,332.08	3,858	22.0	7.4	1,348.76	6,608	116.3	7.1	1,387.26	16,214	131.7	60.1	7
8	1,325.93	3,094	28.6	7.3	1,332.27	3,883	20.8	7.5	1,351.16	7,093	280.4	35.9	1,387.62	16,325	119.6	60.2	8
9	1,326.27	3,134	28.3	7.2	1,332.44	3,906	19.7	7.4	1,354.45	7,777	395.6	50.7	1,387.97	16,434	118.6	60.3	9
10	1,326.57	3,169	25.6	7.3	1,332.62	3,930	20.4	7.5	1,357.36	8,400	365.8	51.0	1,388.26	16,524	108.6	60.3	10
11	1,326.86	3,203	25.2	7.2	1,332.83	3,958	22.4	7.4	1,358.98	8,757	231.8	50.5	1,388.52	16,606	104.0	60.3	11
12	1,327.16	3,239	26.2	7.3	1,333.06	3,989	23.6	7.5	1,360.11	9,010	178.0	49.8	1,388.77	16,684	101.2	60.3	12
13	1,327.43	3,272	24.7	7.2	1,333.32	4,025	26.2	7.4	1,360.73	9,151	122.2	49.9	1,389.03	16,765	102.7	60.3	13
14	1,327.70	3,304	24.2	7.3	1,333.52	4,052	21.9	7.5	1,361.23	9,265	109.0	50.1	1,389.30	16,851	105.8	60.3	14
15	1,327.97	3,336	24.1	7.2	1,333.74	4,082	22.9	7.4	1,361.79	9,394	117.1	50.2	1,389.53	16,923	100.1	60.3	15
16	1,328.22	3,367	23.8	7.3	1,333.93	4,108	21.0	7.5	1,362.53	9,566	138.6	50.2	1,389.74	16,990	97.4	60.3	16
17	1,328.47	3,398	23.7	7.2	1,334.11	4,134	21.1	7.4	1,363.47	9,788	164.0	50.3	1,389.94	17,053	95.1	60.3	17
18	1,328.70	3,426	22.2	7.3	1,334.24	4,152	20.7	10.9	1,364.75	10,094	206.5	50.5	1,390.16	17,123	98.5	60.3	18
19	1,328.93	3,454	22.4	7.3	1,334.34	4,166	20.7	12.6	1,366.30	10,471	242.8	50.2	1,390.36	17,187	95.5	60.3	19
20	1,329.16	3,483	22.9	7.4	1,334.43	4,179	20.6	12.7	1,368.10	10,917	277.4	49.8	1,390.52	17,238	88.6	60.3	20
21	1,329.38	3,511	22.1	7.3	1,334.50	4,188	18.3	12.6	1,369.88	11,366	278.9	50.1	1,390.69	17,292	90.6	60.3	21
22	1,329.60	3,539	21.8	7.4	1,334.63	4,207	19.4	9.0	1,371.54	11,792	266.9	50.1	1,390.84	17,340	87.4	60.3	22
23	1,329.82	3,566	22.0	7.3	1,334.79	4,229	18.9	7.1	1,373.16	12,214	266.1	50.5	1,390.96	17,378	81.1	60.3	23
24	1,330.02	3,592	21.4	7.4	1,334.95	4,252	19.5	7.2	1,374.64	12,606	250.9	50.1	1,391.08	17,417	82.1	60.3	24
25	1,330.22	3,617	20.9	7.3	1,335.11	4,275	19.4	7.1	1,376.09	12,995	246.4	47.7	1,391.18	17,449	79.3	60.3	25
26	1,330.41	3,641	20.3	7.4	1,335.27	4,298	19.4	7.2	1,377.58	13,401	257.9	50.0	1,391.32	17,494	86.5	60.3	26
27	1,330.61	3,666	20.3	7.3	1,335.44	4,323	20.2	7.1	1,378.98	13,786	247.5	50.1	1,391.42	17,526	80.8	60.3	27
28	1,330.82	3,693	21.6	7.4	1,335.62	4,350	21.8	7.2	1,380.23	14,136	230.3	50.1	1,391.52	17,559	80.9	60.3	28
29					1,335.77	4,371	18.8	7.2	1,381.39	14,465	219.4	50.5	1,391.61	17,587	77.8	60.3	29
30					1,335.91	4,392	18.9	7.3	1,382.47	14,775	209.7	50.6	1,391.69	17,612	75.9	60.3	30
31					1,336.27	4,445	33.9	7.2					1,391.79	17,645	79.0	60.4	31
TOTAL			680.6	203.8			650.9	248.4			6,410.7	1,153.8			3,358.1	1,821.6	
Inf. Ac. Ft.			1,349.9				1,291.0				12,715.4				6,660.7	26,810.0	
Outf. Ac. Ft.			404.2 + (37.7)				492.7 + (46.4)				2,288.5 + (97.0)				3,613.1 + (177.5)	12,135.0+(470.1)	
Maximum Mean Daily Inflow			37.7				33.9				395.6				197.0	395.6	
Minimum Mean Daily Inflow			20.3				18.3				103.1				75.9	5.5	
Storage Change	+ 908.				+ 752.				+ 10,330.				+ 2,870.			+14,096.	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,392.13	feet	on	6/4/65	Storage	17,754.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,301.16	feet	on	10/17/64	Storage	968.7	Acre Feet	O. R. WATKINS	Dam Tender	Gage Hts. copied	FM JLF	
Max. Peak Inf.	1,067.	C. F. S. from	9:00 P.M.	on	4/9/65	to	9:15 P.M.	on	4/9/65	E. K. DE VORE	Hydrographer	Storage applied	FM JLF	
Max. Peak Outf.	1,483.	C. F. S. from	MID.	on	6/4/65	to	MID.	on	6/5/65		Hydrographer	Inf. & Outf. comp.	FM JLF	

REMARKS

76D136N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam

In San Gabriel Canyon for the Year Ending September 30, 19 65

Continuous Water Stage Recorder Au

Drainage Area 202.7 Square Miles. Capacity of Reservoir 43,642 Ac. Ft. at Spillway Elev. 1,453.0 Ft. as of November 1962 Gage Heights Read Daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,391.89	17,677	78.3	60.4	1,364.38	10,005	46.7	60.1	1,357.18	8,361	31.3	60.0	1,346.74	6,213	25.6	61.0	1
2	1,392.00	17,712	80.5	60.4	1,364.24	9,972	47.3	60.1	1,356.87	8,294	29.1	59.9	1,346.38	6,145	28.6	60.5	2
3	1,392.09	17,741	77.0	60.4	1,364.07	9,931	43.0	59.7	1,356.57	8,229	29.9	59.8	1,346.00	6,072	26.2	60.0	3
4	1,389.07	16,778	80.1	563.3	1,363.89	9,888	42.3	60.0	1,356.27	8,164	29.5	59.5	1,345.60	5,997	24.7	60.0	4
5	1,379.71	13,990	80.3	1,483.4	1,363.68	9,838	38.7	60.2	1,355.96	8,097	28.9	59.4	1,345.26	5,933	29.5	60.0	5
6	1,371.86	11,875	81.7	1,145.5	1,363.47	9,788	38.3	60.3	1,355.63	8,027	27.7	59.4	1,344.95	5,875	31.9	59.8	6
7	1,369.91	11,373	70.9	321.9	1,363.26	9,738	38.1	60.5	1,355.30	7,957	28.0	59.4	1,344.61	5,813	30.1	59.3	7
8	1,367.58	10,787	73.0	366.0	1,363.05	9,688	39.2	60.5	1,354.96	7,885	26.5	59.4	1,344.25	5,748	28.9	59.3	8
9	1,367.00	10,643	74.8	145.0	1,362.84	9,639	38.6	60.3	1,354.62	7,813	26.1	59.4	1,343.88	5,681	27.7	59.3	9
10	1,366.89	10,616	68.6	90.0	1,362.63	9,590	38.5	60.3	1,354.28	7,741	25.9	59.4	1,343.48	5,609	25.4	59.3	10
11	1,366.77	10,586	67.1	80.0	1,362.40	9,536	38.2	60.3	1,353.93	7,667	24.9	59.4	1,343.08	5,538	25.7	59.3	11
12	1,366.64	10,554	65.7	80.0	1,362.28	9,508	39.6	50.6	1,353.60	7,598	27.3	59.3	1,342.67	5,467	26.3	59.3	12
13	1,366.50	10,520	64.8	80.0	1,362.05	9,455	36.5	60.6	1,353.26	7,527	26.4	59.1	1,342.25	5,394	24.8	59.2	13
14	1,366.37	10,488	65.9	80.0	1,361.82	9,401	35.3	60.1	1,352.90	7,451	24.4	59.8	1,341.81	5,319	23.5	59.1	14
15	1,366.20	10,446	60.4	79.9	1,361.59	9,348	35.6	60.1	1,352.54	7,377	25.5	60.2	1,341.38	5,247	24.5	59.1	15
16	1,366.09	10,419	67.6	79.8	1,361.38	9,300	38.4	60.1	1,352.18	7,302	24.6	60.4	1,341.00	5,184	28.2	59.2	16
17	1,365.95	10,385	64.9	79.8	1,361.15	9,247	36.5	60.1	1,351.90	7,244	33.9	60.8	1,340.63	5,123	29.3	59.3	17
18	1,365.77	10,341	60.1	79.8	1,360.92	9,194	36.6	60.1	1,351.61	7,185	33.0	60.2	1,340.31	5,071	34.0	59.3	18
19	1,365.57	10,293	57.4	79.8	1,360.69	9,142	36.9	60.1	1,351.32	7,126	32.6	60.0	1,340.00	5,020	35.1	59.3	19
20	1,365.40	10,251	60.8	79.8	1,360.44	9,085	34.6	60.1	1,351.02	7,064	31.7	60.3	1,339.65	4,964	34.0	59.9	20
21	1,365.26	10,217	53.1	67.5	1,360.20	9,030	35.6	60.1	1,350.70	6,999	30.2	60.3	1,339.23	4,898	29.4	60.2	21
22	1,365.20	10,203	55.0	60.1	1,359.92	8,967	31.4	60.1	1,350.37	6,932	29.0	60.3	1,338.78	4,827	26.3	60.1	22
23	1,365.14	10,188	54.0	60.1	1,359.65	8,907	32.7	60.1	1,350.06	6,869	31.0	60.3	1,338.35	4,760	27.9	60.0	23
24	1,365.09	10,176	56.1	60.1	1,359.40	8,851	34.6	60.1	1,349.72	6,801	28.4	60.1	1,337.91	4,692	27.1	60.0	24
25	1,365.03	10,161	53.5	60.1	1,359.11	8,786	29.5	60.1	1,349.39	6,734	29.5	60.0	1,337.47	4,625	27.3	60.0	25
26	1,364.98	10,149	56.6	60.1	1,358.86	8,730	35.0	60.1	1,349.04	6,664	28.6	60.3	1,337.02	4,556	26.2	59.9	26
27	1,364.89	10,128	52.8	60.1	1,358.58	8,668	32.9	60.1	1,348.66	6,589	25.8	61.0	1,336.50	4,479	28.6	66.4	27
28	1,364.80	10,106	52.0	60.1	1,358.29	8,604	31.2	60.1	1,348.28	6,513	25.1	61.0	1,335.95	4,398	31.1	70.5	28
29	1,364.67	10,075	47.5	60.1	1,358.00	8,540	30.1	60.1	1,347.89	6,437	25.1	61.0	1,335.34	4,309	27.5	70.3	29
30	1,364.52	10,039	45.2	60.1	1,357.73	8,481	32.8	60.0	1,347.51	6,362	25.8	61.0	1,334.71	4,218	26.5	70.0	30
31					1,357.47	8,424	33.8	60.0	1,347.13	6,288	26.3	61.0					31
TOTAL			1,925.7	5,693.6			1,135.5	1,855.1			872.0	1,861.4			841.9	1,828.9	
Inf. Ac. Ft.			3,819.6				2,252.2				1,729.6				1,669.9	36,281.3	
Outf. Ac. Ft.			11,293.1 + (132.5)				3,679.5 + (187.6)				3,692.0 + (173.6)				3,627.6 + (112.3)	34,427.2+(1,076.1)	
Maximum Mean Daily Inflow			81.7				47.4				33.9				35.1	395.6	
Minimum Mean Daily Inflow			45.2				29.5				24.4				23.5	5.5	
Storage Change	- 7,606.				- 1,615.				- 2,136.				- 2,070.			+ 669.	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,392.13	feet	on	6/4/65	Storage	17,754.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,031.16	feet	on	10/17/64	Storage	968.7	Acre Feet	O. R. WATKINS	Dam Tender	Gage Hts. copied	FM TS	
Max. Peak Inf.	1,067.	C. F. S. from	9:00 P.M.	on	4/9/65	to	9:15 P.M.	on	4/9/65	E. K. DE VORE	Hydrographer	Storage applied	FM TS	
Max. Peak Outf.	1,483.	C. F. S. from	MID.	on	6/4/65	to	MID.	on	6/5/65		Hydrographer	Inf. & Outf. comp.	FM TS	

REMARKS

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG DALTON Dam

In Big Dalton Canyon for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 4.49 Square Miles. Capacity of Reservoir 868.7 Ac. Ft. at Spillway Elev. 1,706.0 Ft. as of January 1962 Gage Heights Read Daily

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,674.0	281.9	0.1	0	1,674.2	284.6	0.1	0	1,674.6	290.1	0.2	0	1,675.0	295.6	0.1	0	1
2	1,674.0	281.9	0.1	0	1,674.2	284.6	0.1	0	1,674.6	290.1	0.2	0	1,675.0	295.6	0.1	0	2
3	1,674.0	281.9	0.1	0	1,674.2	284.6	0.1	0	1,674.7	291.5	0.2	0	1,675.0	295.6	0.1	0	3
4	1,674.0	281.9	0.1	0	1,674.2	284.6	0.1	0	1,674.7	291.5	0.2	0	1,675.0	295.6	0.1	0	4
5	1,674.0	281.9	0.1	0	1,674.2	284.6	0.1	0	1,674.7	291.5	0.2	0	1,675.0	295.6	0.1	0	5
6	1,674.0	281.9	0.1	0	1,674.2	284.6	0.1	0	1,674.7	291.5	0.2	0	1,675.0	295.6	0.1	0	6
7	1,674.1	283.3	0.1	0	1,674.2	284.6	0.1	0	1,674.7	291.5	0.2	0	1,675.0	295.6	0.1	0	7
8	1,674.1	283.3	0.1	0	1,674.2	284.6	0.1	0	1,674.8	292.9	0.2	0	1,675.0	295.6	0.1	0	8
9	1,674.1	283.3	0.1	0	1,674.2	284.6	0.1	0	1,674.8	292.9	0.2	0	1,675.0	295.6	0.1	0	9
10	1,674.1	283.3	0.1	0	1,674.2	284.6	0.1	0	1,674.8	292.9	0.2	0	1,675.0	295.6	0.1	0	10
11	1,674.1	283.3	0.1	0	1,674.2	284.6	0.1	0	1,674.8	292.9	0.2	0	1,675.0	295.6	0.1	0	11
12	1,674.1	283.3	0.1	0	1,674.2	284.6	0.1	0	1,674.8	292.9	0.2	0	1,675.1	295.6	0.1	0	12
13	1,674.1	283.3	0.1	0	1,674.2	284.6	0.1	0	1,674.8	292.9	0.2	0	1,675.1	295.6	0.1	0	13
14	1,674.1	283.3	0.1	0	1,674.2	284.6	0.1	0	1,674.8	292.9	0.1	0	1,675.1	297.0	0.1	0	14
15	1,674.1	283.3	0.1	0	1,674.3	286.0	0.1	0	1,674.8	292.9	0.1	0	1,675.1	297.0	0.1	0	15
16	1,674.1	283.3	0.2	0	1,674.4	287.4	0.1	0	1,674.8	292.9	0.1	0	1,675.1	297.0	0.1	0	16
17	1,674.1	283.3	0.2	0	1,674.4	287.4	0.1	0	1,674.8	292.9	0.1	0	1,675.1	297.0	0.1	0	17
18	1,674.1	283.3	0.2	0	1,674.4	287.4	0.1	0	1,674.8	292.9	0.1	0	1,675.1	297.0	0.1	0	18
19	1,674.1	283.3	0.1	0	1,674.4	287.4	0.1	0	1,674.8	292.9	0.1	0	1,675.1	297.0	0	0	19
20	1,674.1	283.3	0.1	0	1,674.5	288.8	0.1	0	1,674.9	294.2	0.1	0	1,675.1	297.0	0	0	20
21	1,674.1	283.3	0.1	0	1,674.5	288.8	0.2	0	1,674.9	294.2	0.1	0	1,675.4	301.2	2.1	0	21
22	1,674.1	283.3	0.1	0	1,674.5	288.8	0.2	0	1,674.9	294.2	0.1	0	1,675.8	306.8	2.8	0	22
23	1,674.1	283.3	0.1	0	1,674.5	288.8	0.2	0	1,674.9	294.2	0.1	0	1,675.8	306.8	0.4	0	23
24	1,674.1	283.3	0.1	0	1,674.5	288.8	0.2	0	1,674.9	294.2	0.1	0	1,675.8	306.8	0.4	0	24
25	1,674.2	284.6	0.1	0	1,674.6	290.1	0.2	0	1,675.0	295.6	0.1	0	1,675.9	308.2	0.4	0	25
26	1,674.2	284.6	0.1	0	1,674.6	290.1	0.2	0	1,675.0	295.6	0.1	0	1,675.9	308.2	0.4	0	26
27	1,674.2	284.6	0.1	0	1,674.6	290.1	0.2	0	1,675.0	295.6	0.1	0	1,676.0	309.6	0.4	0	27
28	1,674.2	284.6	0.1	0	1,674.6	290.1	0.2	0	1,675.0	295.6	0.1	0	1,676.0	311.0	0.3	0	28
29	1,674.2	284.6	0.1	0	1,674.6	290.1	0.2	0	1,675.0	295.6	0.1	0	1,676.1	311.0	0.3	0	29
30	1,674.2	284.6	0.1	0	1,674.6	290.1	0.2	0	1,675.0	295.6	0.1	0	1,676.1	311.0	0.3	0	30
31	1,674.2	284.6	0.1	0					1,675.0	295.6	0.1	0	1,676.2	312.5	0.3	0	31
TOTAL			3.4	0			4.0	0			4.4	0			9.9	0	
Inf. Ac. Ft.			6.7				7.9				8.7				19.6	42.9	
Outf. Ac. Ft.			0 + (4.0)				0 + (2.4)				0 + (3.2)				0 + (2.8)	0 + (12.4)	
Maximum Mean Daily Inflow			0.2				0.2				0.2				2.8	2.8	
Minimum Mean Daily Inflow			0.1				0.1				0.1				0.1	0.1	
Storage Change	+ 2.7				+ 5.5				+ 5.5				+ 16.9			+ 30.6	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,677.6	feet	on	3/27 & 3/28/64	Storage	332.7	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,655.1	feet	on	4/6/64	Storage	78.8	Acre Feet	G. M. THRASHER	Dam Tender	Gage Hts. copied	AJF	AJF
Max. Peak Inf.	29.6	C. F. S. from	8:15 P.M.	on	3/22/64	to	8:30 P.M.	on	3/22/64	R. SARASUA	Hydrographer	Storage applied	AJF	AJF
Max. Peak Outf.	19.6	C. F. S. from	8:40 P.M.	on	3/30/64	to	9:40 A.M.	on	3/30/64		Hydrographer	Inf. & Outf. comp.	TS	AJF

REMARKS [INDICATES AVERAGE FOR PERIOD
( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG DALTON Dam

In Big Dalton Canyon for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 4.49 Square Miles. Capacity of Reservoir 868.7 Ac. Ft. at Spillway Elev. 1,706.0 Ft. as of January 1962 Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,676.2	312.5	0.2	0	1,676.8	321.0	0.3	0	1,671.0	242.4	2.1	18.0	1,658.3	105.3	0.4	0	1
2	1,676.2	312.5	0.2	0	1,676.8	321.0	0.3	0	1,668.3	209.0	0.2	18.0	1,658.4	106.2	0.6	0	2
3	1,676.2	312.5	0.2	0	1,676.8	321.0	0.3	0	1,665.1	172.4	0.2	18.0	1,658.5	107.1	0.5	0	3
4	1,676.3	313.9	0.2	0	1,676.8	321.0	0.3	0	1,661.5	135.1	0.2	18.0	1,658.6	108.0	0.6	0	4
5	1,676.3	313.9	0.2	0	1,676.8	321.0	0.3	0	1,657.8	101.0	0.2	18.0	1,658.7	108.9	0.4	0	5
6	1,676.3	313.9	0.2	0	1,676.8	321.0	0.3	0	1,655.2	79.6	0.1	10.9	1,658.8	109.7	0.5	0	6
7	1,676.3	313.9	0.2	0	1,676.8	321.0	0.3	0	1,655.4	81.2	0.9	0	1,658.9	110.6	0.6	0	7
8	1,676.4	315.3	0.2	0	1,676.8	321.0	0.3	0	1,655.6	82.7	0.9	0	1,659.0	111.5	0.5	0	8
9	1,676.4	315.3	0.2	0	1,676.9	322.5	0.3	0	1,655.7	83.5	0.5	0	1,659.1	112.4	0.5	0	9
10	1,676.4	315.3	0.2	0	1,676.9	322.5	0.3	0	1,655.8	84.3	0.5	0	1,659.2	113.3	0.5	0	10
11	1,676.4	315.3	0.2	0	1,676.9	322.5	0.3	0	1,656.0	85.9	0.9	0	1,659.2	113.3	0.1	0	11
12	1,676.4	315.3	0.2	0	1,677.0	323.9	0.3	0	1,656.1	86.7	0.5	0	1,659.3	114.3	0.5	0	12
13	1,676.4	315.3	0.2	0	1,677.0	323.9	0.3	0	1,656.2	87.5	0.5	0	1,659.3	114.3	0.1	0	13
14	1,676.4	315.3	0.2	0	1,677.0	323.9	0.3	0	1,656.4	89.2	1.0	0	1,659.4	115.2	0.5	0	14
15	1,676.5	316.8	0.2	0	1,677.0	323.9	0.3	0	1,656.5	90.0	0.5	0	1,659.5	116.1	0.5	0	15
16	1,676.5	316.8	0.2	0	1,677.0	323.9	0.3	0	1,656.6	90.8	0.5	0	1,659.5	116.1	0.1	0	16
17	1,676.5	316.8	0.2	0	1,677.0	323.9	0.3	0	1,656.7	91.6	0.5	0	1,659.6	117.0	0.5	0	17
18	1,676.6	318.2	0.2	0	1,677.0	323.9	0.3	0	1,656.8	92.5	0.4	0	1,659.7	117.9	0.6	0	18
19	1,676.6	318.2	0.2	0	1,677.0	323.9	0.3	0	1,657.0	94.1	0.9	0	1,659.8	118.9	0.5	0	19
20	1,676.6	318.2	0.2	0	1,677.0	323.9	0.3	0	1,657.1	95.0	0.4	0	1,659.8	118.9	0.1	0	20
21	1,676.6	318.2	0.2	0	1,677.0	323.9	0.3	0	1,657.2	95.8	0.4	0	1,659.9	119.8	0.4	0	21
22	1,676.6	318.2	0.2	0	1,677.3	328.3	0.3	0	1,657.3	96.7	0.5	0	1,659.9	119.8	0.1	0	22
23	1,676.6	318.2	0.2	0	1,677.4	329.7	0.3	0	1,657.5	98.4	0.8	0	1,660.0	120.7	0.5	0	23
24	1,676.6	318.2	0.2	0	1,677.4	329.7	0.3	0	1,657.6	99.3	0.5	0	1,660.0	120.7	0.1	0	24
25	1,676.6	318.2	0.2	0	1,677.5	331.2	0.3	0	1,657.7	100.1	0.5	0	1,660.1	121.6	0.4	0	25
26	1,676.6	318.2	0.2	0	1,677.5	331.2	0.2	0	1,657.8	101.0	0.4	0	1,660.1	121.6	0.1	0	26
27	1,676.6	318.2	0.2	0	1,677.6	332.7	0.2	0	1,657.9	101.8	0.4	0	1,660.2	122.6	0.5	0	27
28	1,676.7	319.6	0.2	0	1,677.6	332.7	0.2	0	1,658.0	102.7	0.5	0	1,660.2	122.6	0.1	0	28
29	1,676.7	319.6	0.3	0	1,677.6	332.7	0.2	0	1,658.1	103.6	0.4	0	1,660.3	123.6	0.6	0	29
30					1,676.0	309.6	0.2	11.7	1,658.2	104.5	0.5	0	1,660.3	123.6	0.1	0	30
31					1,673.4	273.9	0.2	18.0					1,660.4	124.5	0.5	0	31
TOTAL			5.9	0			8.7	29.7			16.8	100.9			12.0	0	
Inf. Ac. Ft.			11.7				17.2				33.3				23.6	128.9	
Outf. Ac. Ft.			0 + (4.6)				58.9 + (4.0)				200.1 + (2.6)				0 + (3.8)	259.0 + (27.4)	
Maximum Mean Daily Inflow			0.3				0.3				1.0				0.6	2.8	
Minimum Mean Daily Inflow			0.2				0.2				0.1				0.1	0.1	
Storage Change	+ 7.1				- 45.7				- 169.4				+ 20.0			- 157.4	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,677.6	feet	on	3/27 & 3/28/64	Storage	332.7	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,655.1	feet	on	4/6/64	Storage	78.8	Acre Feet	G. M. THRASHER	Dam Tender	Gage Hts. copied	RAP	AJF
Max. Peak Inf.	29.6	C. F. S. from	8:15 P.M.	on	3/22/64	to	8:30 P.M.	on	3/22/64	R. J. SARASUA	Hydrographer	Storage applied	RAP	AJF
Max. Peak Outf.	19.6	C. F. S. from	8:40 A.M.	on	3/30/64	to	9:40 A.M.	on	3/30/64		Hydrographer	Inf. & Outf. comp.	RAP	AJF

REMARKS [INDICATES AVERAGE FOR PERIOD
( ) INDICATES EVAPORATION AND OTHER LOSSES

760138N-69B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG DALTON Dam

In Big Dalton Canyon for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 4.49 Square Miles. Capacity of Reservoir 868.7 Ac. Ft. at Spillway Elev. 1,706.0 Ft. as of January 1962 Gage Heights Read Daily

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	1,660.4	124.5	0.2	0	1,661.3	133.1	1.1	0	1,661.6	136.1	0.1	0	1,661.5	135.1	0.1	0	1
2	1,660.5	125.4	0.2	0	1,661.3	133.1	0.1	0	1,661.6	136.1	0.1	0	1,661.5	135.1	0.1	0	2
3	1,660.5	125.4	0.2	0	1,661.3	133.1	0.1	0	1,661.6	136.1	0.1	0	1,661.5	135.1	0.1	0	3
4	1,660.6	126.4	0.2	0	1,661.3	133.1	0.1	0	1,661.6	136.1	0.1	0	1,661.5	135.1	0.1	0	4
5	1,660.6	126.4	0.2	0	1,661.4	134.1	0.7	0	1,661.6	136.1	0.1	0	1,661.5	135.1	0.1	0	5
6	1,660.6	126.4	0.2	0	1,661.4	134.1	0.1	0	1,661.6	136.1	0.1	0	1,661.5	135.1	0.1	0	6
7	1,660.7	127.4	0.2	0	1,661.4	134.1	0.1	0	1,661.6	136.1	0.1	0	1,661.5	135.1	0.1	0	7
8	1,660.8	128.3	0.2	0	1,661.4	134.1	0.1	0	1,661.6	136.1	0.1	0	1,661.5	135.1	0.1	0	8
9	1,660.8	128.3	0.2	0	1,661.4	134.1	0.2	0	1,661.6	136.1	0.1	0	1,661.5	135.1	0.1	0	9
10	1,660.8	128.3	0.2	0	1,661.4	134.1	0.1	0	1,661.6	136.1	0.1	0	1,661.5	135.1	0.1	0	10
11	1,660.9	129.2	0.2	0	1,661.4	134.1	0.1	0	1,661.6	136.1	0.1	0	1,661.5	135.1	0.2	0	11
12	1,660.9	129.2	0.2	0	1,661.5	135.1	0.7	0	1,661.6	136.1	0.1	0	1,661.5	135.1	0.2	0	12
13	1,660.9	129.2	0.2	0	1,661.5	135.1	0.1	0	1,661.6	136.1	0.1	0	1,661.5	135.1	0.1	0	13
14	1,661.0	130.2	0.2	0	1,661.5	135.1	0.1	0	1,661.6	136.1	0.1	0	1,661.5	135.1	0.1	0	14
15	1,661.0	130.2	0.2	0	1,661.5	135.1	0.1	0	1,661.6	136.1	0.1	0	1,661.5	135.1	0.1	0	15
16	1,661.1	131.2	0.2	0	1,661.5	135.1	0.1	0	1,661.6	136.1	0.1	0	1,661.5	135.1	0.1	0	16
17	1,661.1	131.2	0.2	0	1,661.6	136.1	0.6	0	1,661.6	136.1	0.1	0	1,661.5	135.1	0.1	0	17
18	1,661.2	132.2	0.2	0	1,661.6	136.1	0.1	0	1,661.6	136.1	0.1	0	1,661.5	135.1	0.1	0	18
19	1,661.2	132.2	0.2	0	1,661.6	136.1	0.1	0	1,661.6	136.1	0.1	0	1,661.5	135.1	0.1	0	19
20	1,661.2	132.2	0.2	0	1,661.6	136.1	0.1	0	1,661.6	136.1	0.1	0	1,661.5	135.1	0.1	0	20
21	1,661.2	132.2	0.2	0	1,661.6	136.1	0.1	0	1,661.6	136.1	0.1	0	1,661.0	130.2	0.1	2.1	21
22	1,661.2	132.2	0.2	0	1,661.6	136.1	0.1	0	1,661.6	136.1	0.1	0	1,659.6	117.0	0.1	5.8	22
23	1,661.2	132.2	0.2	0	1,661.6	136.1	0.1	0	1,661.6	136.1	0.1	0	1,658.1	103.6	0.1	5.6	23
24	1,661.2	132.2	0.2	0	1,661.6	136.1	0.1	0	1,661.6	136.1	0.1	0	1,656.7	91.6	0.1	5.6	24
25	1,661.2	132.2	0.2	0	1,661.6	136.1	0.1	0	1,661.6	136.1	0.1	0	1,656.3	88.4	0	1.6	25
26	1,661.2	132.2	0.3	0	1,661.6	136.1	0.1	0	1,661.6	136.1	0.1	0	1,656.4	89.2	0	0	26
27	1,661.3	133.1	0.3	0	1,661.6	136.1	0.1	0	1,661.6	136.1	0.1	0	1,656.4	89.2	0	0	27
28	1,661.3	133.1	0.3	0	1,661.6	136.1	0.1	0	1,661.6	136.1	0.1	0	1,656.4	89.2	0	0	28
29	1,661.3	133.1	0.3	0	1,661.6	136.1	0.1	0	1,661.6	136.1	0.1	0	1,656.5	90.0	0	0	29
30	1,661.3	133.1	0.3	0	1,661.6	136.1	0.1	0	1,661.6	136.1	0.1	0	1,656.5	90.0	0	0	30
31					1,661.6	136.1	0.1	0	1,661.6	136.1	0	0					31
TOTAL			6.5	0			5.9	0			3.0	0			2.6	20.7	
Inf. Ac. Ft.			12.9				11.7				6.0				5.2	164.7	
Outf. Ac. Ft.			0 + (4.4)				0 + (6.7)				0 + (6.0)				41.1 + (5.0)	300.1 + (49.5)	
Maximum Mean Daily Inflow			0.3				0.7				0.1				0.2	2.8	
Minimum Mean Daily Inflow			0.2				0.1				0				0	0	
Storage Change			+ 8.6				+ 5.0		0					- 46.1 1/		- 191.9	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,677.6	feet	on	3/27 & 3/28/64	Storage	332.7	Acre Feet			
Min. W. S. Elev.	1,655.1	feet	on	4/6/64	Storage	78.8	Acre Feet			
Max. Peak Inf.	29.6	C.F.S. from	8:15 P.M.	on	3/22/64	to	8:30 P.M.	on	3/22/64	
Max. Peak Outf.	19.6	C.F.S. from	8:40 A.M.	on	3/30/64	to	9:40 A.M.	on	3/30/64	

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
G. M. THRASHER	Dam Tender	Gage Hts. copied	AJF FM	
R. J. SARASUA & R. L. BROOK	Hydrographer	Storage applied	AJF FM	
	Hydrographer	Inf. & Outf. comp.	AJF FM	

REMARKS 1/ STORAGE TABLE IN ERROR DURING THIS PERIOD BY 5.2 ACRE FEET DUE TO DEBRIS
(INDICATES AVERAGE FOR PERIOD
( ) INDICATES EVAPORATION AND OTHER LOSSES

760138N-69B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG DALTON Dam

In Big Dalton Canyon for the Year Ending September 30, 1965

Continuous Water Stage Recorder Au

Drainage Area 4.49 Square Miles. Capacity of Reservoir 868.7 Ac. Ft. at Spillway Elev. 1,706.0 Ft. as of January 1962 Gage Heights Read Daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	1,656.5	90.0	0.1	0	1,656.9	93.3	0.2	0	1,657.5	98.4	0.1	0	1,658.3	105.3	0.2	0	1
2	1,656.6	90.8	0.1	0	1,656.9	93.3	0.2	0	1,657.5	98.4	0.1	0	1,658.4	106.2	0.2	0	2
3	1,656.6	90.8	0.1	0	1,656.9	93.3	0.2	0	1,657.6	99.3	0.1	0	1,658.4	106.2	0.2	0	3
4	1,656.6	90.8	0.1	0	1,656.9	93.3	0.2	0	1,657.6	99.3	0.1	0	1,658.4	106.2	0.2	0	4
5	1,656.6	90.8	0.1	0	1,656.9	93.3	0.2	0	1,657.6	99.3	0.1	0	1,658.4	106.2	0.2	0	5
6	1,656.6	90.8	0.1	0	1,656.9	93.3	0.2	0	1,657.6	99.3	0.1	0	1,658.5	107.1	0.2	0	6
7	1,656.6	90.8	0.1	0	1,656.9	93.3	0.1	0	1,657.6	99.3	0.1	0	1,658.6	108.0	0.2	0	7
8	1,656.6	90.8	0.1	0	1,656.9	93.3	0.1	0	1,657.6	99.3	0.1	0	1,658.6	108.0	0.2	0	8
9	1,656.6	90.8	0.1	0	1,657.0	94.1	0.1	0	1,657.6	99.3	0.1	0	1,658.6	108.0	0.2	0	9
10	1,656.6	90.8	0.1	0	1,657.1	95.0	0.1	0	1,657.6	99.3	0.1	0	1,658.6	108.0	0.2	0	10
11	1,656.7	91.6	0.1	0	1,657.1	95.0	0.1	0	1,657.7	100.1	0.1	0	1,658.6	108.0	0.2	0	11
12	1,656.7	91.6	0.1	0	1,657.2	95.8	0.1	0	1,657.7	100.1	0.1	0	1,658.6	108.0	0.2	0	12
13	1,656.7	91.6	0.1	0	1,657.2	95.8	0.1	0	1,657.7	100.1	0.1	0	1,658.7	108.9	0.2	0	13
14	1,656.7	91.6	0.1	0	1,657.2	95.8	0.1	0	1,657.7	100.1	0.1	0	1,658.7	108.9	0.2	0	14
15	1,656.7	91.6	0.1	0	1,657.2	95.8	0.1	0	1,657.8	101.0	0.1	0	1,658.8	109.7	0.2	0	15
16	1,656.7	91.6	0.1	0	1,657.2	95.8	0.1	0	1,657.8	101.0	0.1	0	1,658.8	109.7	0.2	0	16
17	1,656.7	91.6	0.1	0	1,657.3	96.7	0.1	0	1,657.8	101.0	0.1	0	1,658.8	109.7	0.2	0	17
18	1,656.7	91.6	0.1	0	1,657.4	97.5	0.1	0	1,657.8	101.0	0.1	0	1,658.9	110.6	0.2	0	18
19	1,656.7	91.6	0.1	0	1,657.4	97.5	0.1	0	1,657.8	101.0	0.1	0	1,658.9	110.6	0.2	0	19
20	1,656.7	91.6	0.1	0	1,657.4	97.5	0.1	0	1,657.9	101.8	0.1	0	1,659.0	111.5	0.2	0	20
21	1,656.7	91.6	0.1	0	1,657.4	97.5	0.1	0	1,657.9	101.8	0.2	0	1,659.0	111.5	0.2	0	21
22	1,656.7	91.6	0.1	0	1,657.4	97.5	0.1	0	1,658.0	102.7	0.2	0	1,659.0	111.5	0.2	0	22
23	1,656.7	91.6	0.1	0	1,657.4	97.5	0.1	0	1,658.0	102.7	0.2	0	1,659.1	112.4	0.2	0	23
24	1,656.7	91.6	0.1	0	1,657.4	97.5	0.1	0	1,658.0	102.7	0.2	0	1,659.2	113.3	0.2	0	24
25	1,656.7	91.6	0.1	0	1,657.4	97.5	0.1	0	1,658.0	102.7	0.2	0	1,659.2	113.3	0.2	0	25
26	1,656.7	91.6	0.1	0	1,657.4	97.5	0.1	0	1,658.0	102.7	0.2	0	1,659.2	113.3	0.2	0	26
27	1,656.8	92.5	0.1	0	1,657.4	97.5	0.1	0	1,658.2	104.5	0.2	0	1,659.3	114.3	0.1	0	27
28	1,656.8	92.5	0.2	0	1,657.5	98.4	0.1	0	1,658.2	104.5	0.2	0	1,659.3	114.3	0.1	0	28
29	1,656.9	93.3	0.2	0	1,657.5	98.4	0.1	0	1,658.3	105.3	0.2	0	1,659.3	114.3	0.1	0	29
30	1,656.9	93.3	0.2	0	1,657.5	98.4	0.1	0	1,658.3	105.3	0.2	0	1,659.4	115.2	0.1	0	30
31	1,656.9	93.3	0.2	0					1,658.3	105.3	0.2	0	1,659.4	115.2	0.1	0	31
TOTAL			3.5	0			3.6	0			4.2	0			5.7	0	
Inf. Ac. Ft.			6.9				7.1				8.3				11.3	33.6	
Outf. Ac. Ft.			0 + (3.6)				0 + (2.0)				0 + (1.4)				0 + (1.4)	0 + (8.4)	
Maximum Mean Daily Inflow			0.5				0.5				0.9				0.6	0.9	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change			+ 3.3				+ 5.1		+ 6.9					+ 9.9		+25.2	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,677.1	feet	on	4/26/65	Storage	325.4	Acre Feet			
Min. W. S. Elev.	1,656.5	feet	on	10/1/64	Storage	90.0	Acre Feet			
Max. Peak Inf.	72.6	C.F.S. from	8:15 P.M.	on	4/9/65	to	8:30 P.M.	on	4/9/65	
Max. Peak Outf.	19.6	C.F.S. from	1:00 P.M.	on	4/26/65	to	1:10 P.M.	on	4/26/65	

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
G. M. THRASHER	Dam Tender	Gage Hts. copied	FM RB	
R. L. BROOK	Hydrographer	Storage applied	FM RB	
	Hydrographer	Inf. & Outf. comp.	FM RB	

REMARKS (INDICATES AVERAGE FOR PERIOD

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG DALTON Dam

In Big Dalton Canyon for the Year Ending September 30, 19 65

Continuous Water Stage Recorder Au

Drainage Area 4.49 Square Miles. Capacity of Reservoir 868.7 Ac. Ft. at Spillway Elev. 1,706.0 Ft. as of January 19 62

Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,659.4	115.2	0.2	0	1,660.4	124.5	0.3	0	1,662.2	142.0	3.5	0	1,661.1	131.2	1.1	17.5	1
2	1,659.5	116.1	0.2	0	1,660.5	125.4	0.3	0	1,662.7	147.1	2.6	0	1,660.2	122.6	1.1	5.7	2
3	1,659.5	116.1	0.2	0	1,660.5	125.4	0.2	0	1,663.2	152.2	2.5	0	1,660.4	124.5	1.1	0	3
4	1,659.6	117.0	0.2	0	1,660.6	126.4	0.2	0	1,663.7	157.4	2.6	0	1,660.6	126.4	1.1	0	4
5	1,659.6	117.0	0.2	0	1,660.6	126.4	0.2	0	1,664.0	160.6	1.7	0	1,660.9	129.2	1.1	0	5
6	1,659.6	117.0	0.2	0	1,660.6	126.4	0.2	0	1,664.3	163.8	1.6	0	1,661.1	131.2	1.1	0	6
7	1,659.7	117.9	0.2	0	1,660.7	127.4	0.2	0	1,664.6	167.0	1.6	0	1,661.4	134.1	1.1	0	7
8	1,659.8	118.9	0.2	0	1,660.7	127.4	0.2	0	1,665.7	179.1	6.1	0	1,661.6	136.1	1.1	0	8
9	1,659.8	118.9	0.2	0	1,660.7	127.4	0.2	0	1,668.7	213.8	17.5	0	1,661.8	138.0	1.0	0	9
10	1,659.8	118.9	0.2	0	1,660.7	127.4	0.2	0	1,671.1	243.7	15.1	0	1,662.0	140.0	1.0	0	10
11	1,659.9	119.8	0.2	0	1,660.8	128.3	0.2	0	1,672.3	259.3	7.9	0	1,662.2	142.0	0.8	0	11
12	1,659.9	119.8	0.2	0	1,660.8	128.3	0.2	0	1,673.1	269.8	5.4	0	1,662.3	143.0	0.8	0	12
13	1,659.9	119.8	0.2	0	1,660.9	129.2	0.2	0	1,673.7	277.9	4.2	0	1,662.5	145.0	0.8	0	13
14	1,660.0	120.7	0.2	0	1,661.0	130.2	0.2	0	1,674.2	284.6	3.5	0	1,662.6	146.1	0.8	0	14
15	1,660.0	120.7	0.2	0	1,661.0	130.2	0.2	0	1,674.7	291.5	3.6	0	1,662.8	148.1	0.8	0	15
16	1,660.0	120.7	0.2	0	1,661.0	130.2	0.2	0	1,675.0	295.6	2.1	0	1,662.9	149.1	0.8	0	16
17	1,660.1	121.6	0.2	0	1,661.1	131.2	0.2	0	1,675.3	299.8	2.2	0	1,663.1	151.2	0.8	0	17
18	1,660.1	121.6	0.2	0	1,661.1	131.2	0.2	0	1,675.7	305.4	3.0	0	1,663.2	152.2	0.8	0	18
19	1,660.1	121.6	0.2	0	1,661.1	131.2	0.2	0	1,675.9	308.2	1.5	0	1,663.3	153.2	0.7	0	19
20	1,660.2	122.6	0.2	0	1,661.2	132.2	0.2	0	1,676.1	311.0	1.5	0	1,663.4	154.3	0.7	0	20
21	1,660.2	122.6	0.2	0	1,661.2	132.2	0.2	0	1,676.4	315.3	1.3	0	1,663.5	155.4	0.7	0	21
22	1,660.2	122.6	0.2	0	1,661.2	132.2	0.2	0	1,676.5	316.8	1.3	0	1,663.6	156.4	0.7	0	22
23	1,660.3	123.6	0.2	0	1,661.2	132.2	0.2	0	1,676.8	321.0	1.3	0	1,663.7	157.9	0.7	0	23
24	1,660.4	124.5	0.2	0	1,661.2	132.2	0.2	0	1,677.0	323.9	1.3	0	1,663.8	158.5	0.7	0	24
25	1,660.4	124.5	0.2	0	1,661.2	132.2	0.2	0	1,677.1	325.4	1.3	0	1,664.0	160.6	0.6	0	25
26	1,660.4	124.5	0.2	0	1,661.3	133.1	0.2	0	1,675.9	308.2	1.3	10.0	1,664.1	161.7	0.6	0	26
27	1,660.4	124.5	0.2	0	1,661.3	133.1	0.2	0	1,673.4	273.9	1.2	19.5	1,664.2	162.7	0.6	0	27
28	1,660.4	124.5	0.3	0	1,661.4	134.1	0.2	0	1,670.7	238.6	1.2	19.0	1,664.3	163.8	0.6	0	28
29					1,661.4	134.1	0.2	0	1,667.8	203.1	1.2	18.5	1,664.4	164.9	0.6	0	29
30					1,661.4	134.1	0.2	0	1,664.5	166.0	1.2	18.0	1,664.5	166.0	0.6	0	30
31					1,661.5	135.1	0.2	0					1,664.6	167.0	0.6	0	31
TOTAL			5.7	0			6.4	0			102.3	85.0			25.6	23.2	
Inf. Ac. Ft.			11.3				12.7				202.9				50.8	311.3	
Outf. Ac. Ft.			0 + (2.0)				0 + (2.2)				168.6 + (3.4)				46.0 + 3.8)	214.6 + (19.8)	
Maximum Mean Daily Inflow			0.3				0.3				17.5				1.1	17.5	
Minimum Mean Daily Inflow			0.2				0.2				1.2				0.1	0	
Storage Change			+ 9.3				+ 10.6				+ 30.9				+ 1.0	+ 77.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,677.1	feet	on	4/26/65	Storage	325.4	Acre Feet			
Min. W. S. Elev.	1,656.5	feet	on	10/1/64	Storage	90.0	Acre Feet			
Max. Peak Inf.	72.6	C. F. S. from	8:15 P.M.	on	4/9/65	to	8:30 P.M.	on	4/9/65	
Max. Peak Outf.	19.6	C. F. S. from	1:00 P.M.	on	4/26/65	to	1:10 P.M.	on	4/26/65	

REMARKS (INDICATES AVERAGE FOR PERIOD.

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
G. M. THRASHER	Dam Tender	Gage Hts. copied	TS JL	
R. L. BROOK	Hydrographer	Storage applied	TS JL	
	Hydrographer	Inf. & Outf. comp.	TS JL	

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG DALTON Dam

In Big Dalton Canyon for the Year Ending September 30, 19 65

Continuous Water Stage Recorder Au

Drainage Area 4.49 Square Miles. Capacity of Reservoir 868.7 Ac. Ft. at Spillway Elev. 1,706.0 Ft. as of January 19 62

Gage Heights Read Daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,664.7	168.1	0.6	0	1,666.9	192.6	0.4	0	1,667.6	200.7	0.1	0	1,667.9	204.2	0.2	0	1
2	1,664.8	169.2	0.6	0	1,666.9	192.6	0.4	0	1,667.6	200.7	0.2	0	1,667.9	204.2	0.2	0	2
3	1,664.9	170.2	0.6	0	1,666.9	192.6	0.4	0	1,667.6	200.7	0.2	0	1,667.9	204.2	0.2	0	3
4	1,665.1	172.4	0.6	0	1,666.9	192.6	0.4	0	1,667.7	201.9	0.2	0	1,667.9	204.2	0.2	0	4
5	1,665.1	172.4	0.6	0	1,667.0	193.7	0.4	0	1,667.7	201.9	0.2	0	1,668.0	205.4	0.2	0	5
6	1,665.2	173.5	0.5	0	1,667.0	193.7	0.4	0	1,667.7	201.9	0.2	0	1,668.0	205.4	0.2	0	6
7	1,665.3	174.6	0.5	0	1,667.1	194.9	0.3	0	1,667.7	201.9	0.2	0	1,668.0	205.4	0.2	0	7
8	1,665.4	175.7	0.5	0	1,667.1	194.9	0.3	0	1,667.7	201.9	0.2	0	1,668.0	205.4	0.2	0	8
9	1,665.5	176.8	0.5	0	1,667.1	194.9	0.3	0	1,667.7	201.9	0.2	0	1,668.0	205.4	0.2	0	9
10	1,665.5	176.8	0.5	0	1,667.2	196.0	0.3	0	1,667.7	201.9	0.2	0	1,668.0	205.4	0.2	0	10
11	1,665.5	176.8	0.5	0	1,667.2	196.0	0.3	0	1,667.7	201.9	0.2	0	1,668.0	205.4	0.2	0	11
12	1,665.6	178.0	0.5	0	1,667.2	196.0	0.3	+	1,667.8	203.1	0.2	0	1,668.0	205.4	0.2	0	12
13	1,665.7	179.1	0.5	0	1,667.2	196.0	0.2	0	1,667.8	203.1	0.2	0	1,668.0	205.4	0.2	0	13
14	1,665.8	180.2	0.5	0	1,667.2	196.0	0.2	0	1,667.8	203.1	0.2	0	1,668.0	205.4	0.2	0	14
15	1,665.8	180.2	0.5	0	1,667.3	197.2	0.2	0	1,667.8	203.1	0.2	0	1,668.0	205.4	0.2	0	15
16	1,665.9	181.3	0.5	0	1,667.3	197.2	0.2	0	1,667.8	203.1	0.2	0	1,668.0	205.4	0.2	0	16
17	1,666.0	182.4	0.4	0	1,667.4	198.4	0.2	0	1,667.8	203.1	0.3	0	1,668.0	205.4	0.2	0	17
18	1,666.1	183.5	0.4	0	1,667.4	198.4	0.2	0	1,667.8	203.1	0.3	0	1,668.1	206.6	0.2	0	18
19	1,666.2	184.7	0.4	0	1,667.4	198.4	0.2	0	1,667.8	203.1	0.3	0	1,668.1	206.6	0.2	0	19
20	1,666.2	184.7	0.4	0	1,667.4	198.4	0.2	0	1,667.9	204.2	0.3	0	1,668.1	206.6	0.2	0	20
21	1,666.3	185.8	0.4	0	1,667.4	198.4	0.2	0	1,667.9	204.2	0.2	0	1,668.1	206.6	0.2	0	21
22	1,666.4	186.9	0.4	0	1,667.4	198.4	0.2	0	1,667.9	204.2	0.1	0	1,668.1	206.6	0.2	0	22
23	1,666.4	186.9	0.4	0	1,667.4	198.4	0.2	0	1,667.9	204.2	0.1	0	1,668.1	206.6	0.3	0	23
24	1,666.4	186.9	0.4	0	1,667.5	199.6	0.2	0	1,667.9	204.2	0.1	0	1,668.2	207.8	0.3	0	24
25	1,666.5	188.0	0.4	0	1,667.5	199.6	0.2	0	1,667.9	204.2	0.1	0	1,668.2	207.8	0.3	0	25
26	1,666.6	189.2	0.4	0	1,667.5	199.6	0.2	0	1,667.9	204.2	0.1	0	1,668.2	207.8	0.3	0	26
27	1,666.6	189.2	0.4	0	1,667.5	199.6	0.2	0	1,667.9	204.2	0.1	0	1,668.2	207.8	0.3	0	27
28	1,666.7	190.3	0.4	0	1,667.6	200.7	0.2	0	1,667.9	204.2	0.1	0	1,668.2	207.8	0.3	0	28
29	1,666.7	190.3	0.4	0	1,667.6	200.7	0.2	0	1,667.9	204.2	0.1	0	1,668.2	207.8	0.3	0	29
30	1,666.8	191.4	0.4	0	1,667.6	200.7	0.3	0	1,667.9	204.2	0.1	0	1,668.2	207.8	0.3	0	30
31					1,667.6	200.7	0.3	0	1,667.9	204.2	0.1	0					31
TOTAL			14.1	0			8.2				5.5	0			6.8	0	
Inf. Ac. Ft.			28.0				16.3				10.9				13.5	380.0	
Outf. Ac. Ft.			0 + (3.6)				+ + (6.9)				0 + (7.3)				0 + (9.9)	14.6 + (47.5)	
Maximum Mean Daily Inflow			1.1				0.8				0.7				1.1	17.5	
Minimum Mean Daily Inflow			0				0				0				0.1	0	
Storage Change			+ 24.4				+ 9.3				+ 3.5				+ 3.6	+ 117.8	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,677.1	feet	on	4/26/65	Storage	325.4	Acre Feet			
Min. W. S. Elev.	1,656.5	feet	on	10/1/64	Storage	90.0	Acre Feet			
Max. Peak Inf.	72.6	C. F. S. from	8:15 P.M.	on	4/9/65	to	8:30 P.M.	on	4/9/65	
Max. Peak Outf.	19.6	C. F. S. from	1:00 P.M.	on	4/26/65	to	1:10 P.M.	on	4/26/65	

REMARKS (INDICATES AVERAGE FOR PERIOD.

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
G. M. THRASHER	Dam Tender	Gage Hts. copied	RB JL	
R. L. BROOK	Hydrographer	Storage applied	RB JL	
	Hydrographer	Inf. & Outf. comp.	RB JL	

76D138N-688 3-64

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In San Dimas Canyon for the Year Ending September 30, 1964

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 16.2 Square Miles. Capacity of Reservoir 728.9 Ac. Ft. at Spillway Elev. 1,462.0 Ft. as of April 1962 Gage Heights Read Daily

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1,440.2	170.4	0.3	0.2	1,439.0	154.0	0.4	0	1,442.7	206.7	0.9	0	1,445.0	242.9	0.6	0	1
2	1,440.2	170.4	0.3	0.1	1,439.1	155.4	0.4	0	1,442.7	206.7	0.9	0	1,445.0	242.9	0.6	0	2
3	1,440.3	171.8	0.3	0.1	1,439.1	155.4	0.4	0	1,442.8	208.2	0.9	0	1,445.1	244.6	0.6	0	3
4	1,440.3	171.8	0.3	0.1	1,439.2	156.7	0.4	0	1,442.9	209.7	0.8	0	1,445.2	246.3	0.6	0	4
5	1,440.3	171.8	0.3	0.1	1,439.2	156.7	0.3	0	1,443.0	211.2	0.8	0	1,445.2	246.3	0.6	0	5
6	1,440.4	173.2	0.3	0.1	1,439.5	160.8	2.1	0	1,443.0	211.2	0.8	0	1,445.2	246.3	0.6	0	6
7	1,440.4	173.2	0.3	0.1	1,439.5	160.8	0.6	0	1,443.1	212.8	0.8	0	1,445.3	248.1	0.6	0	7
8	1,440.4	173.2	0.3	0.1	1,439.6	162.2	0.4	0	1,443.2	214.3	0.8	0	1,445.3	248.1	0.6	0	8
9	1,440.4	173.2	0.3	0.1	1,439.6	162.2	0.4	0	1,443.3	215.8	0.8	0	1,445.4	249.8	0.6	0	9
10	1,440.4	173.2	0.3	0.1	1,439.7	163.5	0.4	0	1,443.4	217.4	0.7	0	1,445.4	249.8	0.6	0	10
11	1,440.4	173.2	0.3	0.1	1,439.8	164.9	0.4	0	1,443.4	217.4	0.7	0	1,445.5	251.5	0.6	0	11
12	1,440.5	174.6	0.2	0.1	1,439.8	164.9	0.4	0	1,443.5	219.0	0.7	0	1,445.5	251.5	0.6	0	12
13	1,440.5	174.6	0.2	0.1	1,439.8	164.9	0.4	0	1,443.6	220.5	0.7	0	1,445.6	253.2	0.6	0	13
14	1,440.5	174.6	0.2	0.1	1,439.9	166.2	0.4	0	1,443.7	222.0	0.7	0	1,445.7	254.9	0.6	0	14
15	1,440.6	176.1	1.0	0.1	1,440.2	170.4	2.2	0	1,443.8	223.6	0.7	0	1,445.7	254.9	0.6	0	15
16	1,440.6	176.1	0.5	0.2	1,440.3	171.8	0.8	0.1	1,443.8	223.6	0.6	0.1	1,445.8	256.7	0.6	0.1	16
17	1,440.6	176.1	0.5	0.1	1,440.4	173.2	0.8	0.1	1,443.9	225.2	0.6	0.1	1,445.8	256.7	0.5	0.1	17
18	1,440.7	177.5	0.5	0.1	1,440.5	174.6	0.8	0.1	1,444.0	226.7	0.6	0.1	1,445.9	258.4	0.5	0.1	18
19	1,440.7	177.5	0.5	0.1	1,440.6	176.1	0.8	0.1	1,444.1	228.3	0.6	0.1	1,445.9	258.4	0.5	0.1	19
20	1,440.8	178.9	0.5	0.1	1,441.5	189.0	6.6	0.1	1,444.2	229.9	0.6	0.1	1,446.0	260.1	0.5	0.1	20
21	1,440.8	178.9	0.5	0.1	1,441.7	191.8	1.1	0.1	1,444.2	229.9	0.6	0.1	1,447.1	281.0	10.6	0.1	21
22	1,440.7	177.5	0.5	1.8	1,441.8	193.3	0.9	0.1	1,444.3	231.6	0.6	0.1	1,448.8	320.7	20.1	0.1	22
23	1,440.3	171.8	0.5	2.6	1,442.0	196.2	0.9	0.1	1,444.4	233.2	0.6	0.1	1,449.0	325.7	2.7	0.1	23
24	1,440.0	167.6	0.5	2.6	1,442.1	197.7	0.9	0.1	1,444.4	233.2	0.6	0.1	1,449.2	331.0	2.7	0.1	24
25	1,439.7	163.5	0.4	2.6	1,442.2	199.2	0.9	0.1	1,444.5	234.8	0.6	0.1	1,449.3	333.7	1.5	0.1	25
26	1,439.4	159.4	0.4	2.6	1,442.2	199.2	0.9	0.1	1,444.6	236.4	0.6	0.1	1,449.4	336.3	1.4	0.1	26
27	1,439.0	154.0	0.4	2.6	1,442.3	200.7	0.9	0.1	1,444.7	238.0	0.6	0.1	1,449.5	339.0	1.5	0.1	27
28	1,438.8	151.4	0.4	1.8	1,442.4	202.2	0.9	0.1	1,444.7	238.0	0.6	0.1	1,449.6	341.7	1.4	0.1	28
29	1,438.9	152.7	0.4	0.2	1,442.5	203.7	0.9	0.1	1,444.8	239.7	0.6	0.1	1,449.7	344.3	1.4	0.1	29
30	1,438.9	152.7	0.8	0.2	1,442.6	205.2	0.9	0.1	1,444.9	241.3	0.6	0.1	1,449.8	347.0	1.5	0.1	30
31	1,439.0	154.0	0.8	0					1,444.9	241.3	0.6	0.1	1,449.9	349.6	1.4	0.1	31
TOTAL			13.0	19.3			28.6	1.5			21.3	1.6			57.8	1.6	
Inf. Ac. Ft.			25.8				56.7				42.2				114.6	239.3	
Outf. Ac. Ft.			38.3 + (4.0)				3.0 + (2.4)				3.2 + (3.0)				3.2 + (3.2)	47.9 + (12.6)	
Maximum Mean Daily Inflow			1.0				6.6				0.9				20.1	20.1	
Minimum Mean Daily Inflow			0.2				0.3				0.6				0.5	0.2	
Storage Change			- 16.4				+ 51.2				+ 36.1				+ 108.3	+ 179.2	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,455.2	feet	on 4/6/64	Storage	504.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	1,430.0	feet	on VARIOUS DAYS	Storage	57.3	Acre Feet	B, R, MC CARTY	Dam Tender	Gage Hts. copied AJF FM
Max. Peak Inf.	121.	C.F.S. from	5:15 A.M. on 1/22/64	to	5:45 A.M. on 1/22/64		R. J. SARASUA	Hydrographer	Storage applied AJF FM
Max. Peak Outf.	24.2	C.F.S. from	8:06 A.M. on 4/7/64	to	6:48 P.M. on 4/9/64			Hydrographer	Inf. & Outf. comp. AJF FM

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES
[INDICATES AVERAGE FOR PERIOD

76D138N-688 3-64

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In San Dimas Canyon for the Year Ending September 30, 1964

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 16.2 Square Miles. Capacity of Reservoir 728.9 Ac. Ft. at Spillway Elev. 1,462.0 Ft. as of April 1962 Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1,450.0	352.3	1.0	0.1	1,450.8	374.5	1.2	2.5	1,453.9	464.7	18.3	0.1	1,453.2	443.7	1.5	0.1	1
2	1,450.0	352.3	1.0	0.1	1,450.7	371.7	1.2	2.5	1,454.4	479.9	7.8	0.1	1,453.2	443.7	1.5	0.1	2
3	1,450.0	352.3	1.0	0.1	1,450.5	366.2	0.6	2.5	1,454.6	486.1	3.3	0.1	1,453.3	446.7	1.4	0.1	3
4	1,450.1	355.1	1.0	0.1	1,450.3	360.6	0.6	2.5	1,454.8	492.2	3.3	0.1	1,453.4	449.7	1.4	0.1	4
5	1,450.2	357.8	1.1	0.1	1,450.2	357.8	0.5	1.7	1,455.0	498.3	3.3	0.1	1,453.5	452.7	1.4	0.1	5
6	1,450.2	357.8	1.1	0.1	1,450.2	357.8	0.4	1.2	1,455.2	504.6	3.4	0.1	1,453.7	458.7	1.5	0.1	6
7	1,450.3	360.6	1.1	0.1	1,450.1	355.1	0.4	1.2	1,454.1	470.8	0.6	16.0	1,453.8	461.7	1.5	0.1	7
8	1,450.4	363.4	1.1	0.1	1,450.1	355.1	0.4	1.2	1,452.4	420.2	0.6	24.1	1,453.8	461.7	1.5	0.1	8
9	1,450.4	363.4	1.0	0.1	1,450.0	352.3	0.4	1.2	1,451.0	380.0	0.6	17.1	1,453.9	464.7	1.5	0.1	9
10	1,450.5	366.2	1.0	0.1	1,450.0	352.3	0.4	1.2	1,451.2	385.7	0.6	0.1	1,453.9	464.7	1.5	0.1	10
11	1,450.6	368.9	1.0	0.1	1,450.0	352.3	1.0	1.2	1,451.3	388.6	0.6	0.1	1,454.0	467.7	1.2	0.1	11
12	1,450.6	368.9	1.0	0.1	1,450.0	352.3	1.0	1.2	1,451.4	391.4	0.6	0.1	1,454.0	467.7	1.2	0.1	12
13	1,450.7	371.7	1.0	0.1	1,450.0	352.3	1.0	1.2	1,451.5	394.2	0.6	0.1	1,454.0	467.7	1.2	0.1	13
14	1,450.7	371.7	1.1	0.1	1,450.0	352.3	1.0	1.2	1,451.6	397.1	0.6	0.1	1,454.1	470.8	1.2	0.1	14
15	1,450.8	374.5	1.1	0.1	1,449.9	349.6	0.9	1.2	1,451.6	397.1	0.5	0.1	1,454.2	473.8	1.2	0.1	15
16	1,450.8	374.5	0.8	0.1	1,449.8	347.0	0.9	1.3	1,451.7	400.0	1.5	0.1	1,454.2	473.8	0.9	0.1	16
17	1,450.9	377.2	0.8	0.1	1,449.8	347.0	0.9	1.3	1,451.8	402.8	1.5	0.1	1,454.2	473.8	0.9	0.1	17
18	1,450.9	377.2	0.8	0.1	1,449.7	344.3	0.9	1.3	1,451.9	405.6	1.5	0.1	1,454.2	473.8	0.9	1.6	18
19	1,451.0	380.0	0.8	0.1	1,449.7	344.3	0.9	1.2	1,452.0	408.5	1.5	0.1	1,454.1	470.8	0.8	2.2	19
20	1,451.0	380.0	0.8	0.1	1,449.7	344.3	0.9	1.3	1,452.1	411.4	1.5	0.1	1,454.0	467.7	0.8	2.4	20
21	1,451.1	382.8	0.7	0.1	1,449.6	341.7	0.9	1.4	1,452.1	411.4	1.5	0.1	1,453.8	461.7	0.7	2.4	21
22	1,451.1	382.8	0.6	0.1	1,450.6	368.9	15.5	1.7	1,452.2	414.3	1.5	0.1	1,453.7	458.7	0.7	2.4	22
23	1,451.2	385.7	0.6	0.1	1,451.3	388.6	10.8	0.8	1,452.3	417.3	1.5	0.1	1,453.6	455.7	0.7	2.4	23
24	1,451.2	385.7	0.6	0.1	1,451.7	400.0	6.1	0.2	1,452.4	420.2	1.4	0.1	1,453.5	452.7	0.7	2.2	24
25	1,451.3	388.6	0.6	0.1	1,451.9	405.6	3.0	0.1	1,452.5	423.1	1.4	0.1	1,453.4	449.7	0.7	2.2	25
26	1,451.3	388.6	0.6	0.1	1,452.1	411.4	3.1	0.1	1,452.5	423.1	1.4	0.1	1,453.2	443.7	0.5	2.2	26
27	1,451.2	385.7	0.6	0.1	1,452.2	414.3	1.7	0.1	1,452.6	426.0	1.4	0.1	1,453.1	440.7	0.4	2.2	27
28	1,451.1	382.8	0.6	2.5	1,452.3	417.3	1.7	0.1	1,452.8	431.9	3.2	0.1	1,453.0	437.7	0.4	2.2	28
29	1,450.9	377.2	0.6	2.5	1,452.4	420.2	1.7	0.1	1,453.0	437.7	3.1	0.1	1,452.8	431.9	0.4	2.2	29
30					1,452.5	423.1	1.6	0.1	1,453.1	440.7	1.7	0.1	1,452.7	428.9	0.4	2.2	30
31					1,452.7	428.9	3.2	0.1					1,452.6	426.0	0.4	2.2	31
TOTAL			25.1	7.7			64.8	34.9			70.3	59.9			31.0	32.7	
Inf. Ac. Ft.			49.8				128.5				139.4				61.5	618.5	
Outf. Ac. Ft.			15.3 + (6.9)				69.2 + (7.5)				118.6 + (8.9)				64.9 (11.5)	316.1 + (47.4)	
Maximum Mean Daily Inflow			1.1				15.5				18.3				1.5	20.1	
Minimum Mean Daily Inflow			0.6				0.4				0.5				0.4	0.2	
Storage Change			+ 27.6				+ 51.7				+ 11.8				- 14.7	+ 255.6	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,455.2	feet	on 4/6/64	Storage	504.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	1,430.0	feet	on VARIOUS DAYS	Storage	57.3	Acre Feet	B, R, MC CARTY	Dam Tender	Gage Hts. copied RAP FM
Max. Peak Inf.	121.	C.F.S. from	5:15 A.M. on 1/22/64	to	5:45 A.M. on 1/22/64		R. J. SARASUA	Hydrographer	Storage applied RAP FM
Max. Peak Outf.	24.2	C.F.S. from	8:06 A.M. on 4/7/64	to	6:48 P.M. on 4/9/64			Hydrographer	Inf. & Outf. comp. RAP FM

REMARKS [INDICATES AVERAGE FOR PERIOD
( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In San Dimas Canyon for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 16.2 Square Miles. Capacity of Reservoir 728.9 Ac. Ft. at Spillway Elev. 1,462.0 Ft. as of April 1962 Gage Heights Read Daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1452.4	420.2	0.3	2.4	1447.7	294.1	0.1	2.0	1440.7	177.5	0.2	1.8	1436.5	122.0	0.4	1.8	1
2	1452.3	417.3	0.2	2.4	1447.5	289.7	0.1	2.0	1440.5	174.6	0.2	1.8	1436.3	119.5	0.4	1.8	2
3	1452.1	411.4	0.2	2.4	1447.3	285.3	0.1	2.0	1440.2	170.4	0.2	2.0	1436.0	115.8	0.4	1.5	3
4	1452.0	408.5	0.2	2.4	1447.1	281.0	0.1	2.0	1440.0	167.6	0.2	2.0	1435.8	113.5	0.4	1.5	4
5	1451.8	402.8	0.2	2.4	1446.9	276.9	0.1	2.0	1439.9	166.2	0.2	1.3	1435.6	111.1	0.3	1.5	5
6	1451.7	400.0	1.2	2.4	1446.7	273.2	0.1	2.0	1439.9	166.2	0.2	0	1435.4	108.8	0.2	1.5	6
7	1451.6	397.1	1.1	2.4	1446.5	269.4	0.1	2.0	1439.9	166.2	0.2	0	1435.2	106.4	0.2	1.5	7
8	1451.5	394.2	1.2	2.4	1446.3	265.7	0.1	1.8	1440.0	167.6	0.2	0	1435.0	104.1	0.2	1.5	8
9	1451.4	391.4	1.2	2.4	1446.1	262.0	0.1	1.8	1440.0	167.6	0.2	0	1434.7	100.8	0.2	1.5	9
10	1451.3	388.6	1.1	2.4	1445.9	258.4	0.1	1.8	1440.0	167.6	0.3	0	1434.4	97.4	0.2	1.4	10
11	1451.2	385.7	1.2	2.4	1445.7	254.9	0.1	1.8	1440.0	167.6	0.3	0	1434.2	95.2	0.2	1.4	11
12	1451.0	380.0	0.2	2.4	1445.5	251.5	0.1	1.8	1440.0	167.6	0.3	0	1433.9	92.0	0.2	1.4	12
13	1450.9	377.2	0.2	2.4	1445.3	248.1	0.1	1.8	1440.0	167.6	0.3	0	1433.6	88.9	0.2	1.4	13
14	1450.8	374.5	0.2	2.4	1445.1	244.6	0.1	2.0	1440.1	169.0	0.3	0	1433.4	86.8	0.2	1.4	14
15	1450.6	368.9	0.2	2.4	1444.9	241.3	0.1	2.0	1440.1	169.0	0.3	0	1433.2	84.8	0.3	1.4	15
16	1450.5	366.2	0.2	2.4	1444.6	236.4	0.1	2.0	1440.1	169.0	0.3	0	1432.9	81.8	0.2	1.4	16
17	1450.3	360.6	0.1	2.4	1444.4	233.2	0.1	2.0	1440.0	167.6	0.3	0.7	1432.6	78.9	0.2	1.4	17
18	1450.1	355.1	0.1	2.4	1444.2	229.9	0.1	1.8	1439.8	164.9	0.3	1.4	1432.4	77.1	0.2	1.4	18
19	1450.0	352.3	0.1	2.4	1444.0	226.7	0.1	1.7	1439.6	162.2	0.3	1.4	1432.1	74.2	0.2	1.4	19
20	1449.8	347.0	0.1	2.2	1443.8	223.6	0.1	1.6	1439.3	158.1	0.3	1.6	1431.8	71.6	0.1	1.4	20
21	1449.6	341.7	0.1	2.2	1443.6	220.5	0.2	1.4	1439.1	155.4	0.3	1.7	1431.5	69.0	0.2	1.4	21
22	1449.5	339.0	0.1	2.2	1443.3	215.8	0.2	1.4	1438.8	151.4	0.3	1.7	1431.2	66.5	0.2	1.4	22
23	1449.3	333.7	0.1	2.1	1443.1	212.8	0.2	1.4	1438.6	148.7	0.3	1.8	1430.9	64.0	0.3	1.4	23
24	1449.1	328.4	0.1	2.1	1442.9	209.7	0.2	1.4	1438.3	144.8	0.3	1.8	1430.6	61.8	0.3	1.4	24
25	1449.0	325.7	0.1	2.1	1442.7	206.7	0.2	1.4	1438.1	142.1	0.3	1.8	1430.3	59.6	0.3	1.4	25
26	1448.8	320.7	0.1	2.1	1442.5	203.7	0.2	1.4	1437.8	138.3	0.3	2.0	1430.0	57.3	0.3	1.4	26
27	1448.6	315.7	0.1	2.1	1442.2	199.2	0.2	1.4	1437.7	137.0	0.3	1.9	1430.0	57.3	0.3	0.7	27
28	1448.4	310.6	0.1	2.1	1442.0	196.2	0.2	1.4	1437.4	133.2	0.3	1.7	1430.0	57.3	0.3	0.2	28
29	1449.2	305.6	0.1	2.1	1441.7	191.9	0.2	2.6	1437.2	130.6	0.3	1.7	1430.0	57.3	0.3	0.2	29
30	1447.9	298.4	0.1	2.1	1441.3	186.0	0.2	3.0	1437.0	128.1	0.3	1.7	1430.0	57.3	0.4	0.2	30
31					1441.0	181.7	0.2	2.5	1436.7	124.4	0.3	1.7					31
TOTAL			10.5	69.0			4.2	57.2			8.4	33.5			7.8	39.2	
Inf. Ac. Ft.			20.8				8.3				16.7				15.5	679.8	
Outf. Ac. Ft.			136.9 + (11.5)				113.5 + (10.7)				66.4 + (7.5)				77.8 + (4.8)	710.7 + (81.9)	
Maximum Mean Daily Inflow			1.2				0.2				0.3				0.4	20.1	
Minimum Mean Daily Inflow			0.1				0.1				0.2				0.1	0.1	
Storage Change			- 127.6				- 116.7				- 57.3				- 67.1	-113.1	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,455.2	feet	on 4/6/64	Storage	504.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1,430.0	feet	on VARIOUS DAYS	Storage	57.3	Acre Feet	B. R. MC CARTY	Dam Tender	Gage Hts. copied	RAP FM
Max. Peak Inf.	121.	C. F. S. from	5:15 A.M. on 1/22/64	to	5:45 A.M.	on 1/22/64	R. J. SARASUA	Hydrographer	Storage applied	RAP FM
Max. Peak Outf.	24.2	C. F. S. from	8:06 A.M. on 4/7/64	to	6:48 P.M.	on 4/9/64		Hydrographer	Inf. & Outf. comp.	FM FM

REMARKS [INDICATES AVERAGE FOR PERIOD
( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In San Dimas Canyon for the Year Ending September 30, 1965

Continuous Water Stage Recorder Au

Drainage Area 16.2 Square Miles. Capacity of Reservoir 728.9 Ac. Ft. at Spillway Elev. 1,462.0 Ft. as of April 1962 Gage Heights Read Daily

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1430.1	58.0	0.2	0.1	1430.8	63.3	0.1	0.1	1430.3	59.6	0.2	0.1	1430.0	57.3	0.2	2.1	1
2	1430.1	58.0	0.2	0.1	1430.8	63.3	0.1	0.1	1430.3	59.6	0.2	0.1	1430.1	58.0	0.7	0.3	2
3	1430.2	58.8	0.2	0.1	1430.9	64.0	0.5	0.1	1430.4	60.3	0.2	0.1	1430.1	58.0	0.3	0.3	3
4	1430.2	58.8	0.2	0.1	1430.9	64.0	0.1	0.1	1430.4	60.3	0.2	0.1	1430.2	58.8	0.7	0.3	4
5	1430.2	58.8	0.2	0.1	1430.9	64.0	0.1	0.1	1430.4	60.3	0.2	0.1	1430.2	58.8	0.3	0.3	5
6	1430.2	58.8	0.3	0.1	1430.9	64.0	0.1	0.1	1430.5	61.0	0.2	0.1	1430.3	59.6	0.7	0.3	6
7	1430.3	59.6	0.3	0.1	1430.9	64.0	0.1	0.1	1430.5	61.0	0.2	0.1	1430.3	59.6	2.3	2.3	7
8	1430.3	59.6	0.3	0.1	1431.0	64.8	0.5	0.1	1430.5	61.0	0.2	0.1	1430.2	58.8	0.4	0.8	8
9	1430.3	59.6	0.3	0.1	1431.0	64.8	0.1	0.1	1430.6	61.8	0.2	0.1	1430.2	58.8	0.8	0.8	9
10	1430.4	60.3	0.3	0.1	1431.2	66.5	0.9	0.1	1430.6	61.8	0.3	0.1	1430.1	58.0	0.4	0.8	10
11	1430.4	60.3	0.3	0.1	1431.2	66.5	0.1	0.1	1430.7	62.6	0.5	0.1	1430.1	58.0	0.8	0.8	11
12	1430.4	60.3	0.3	0.2	1431.1	65.6	0	0.4	1430.7	62.6	0.1	0.1	1430.1	58.0	0.8	0.8	12
13	1430.4	60.3	0.3	0.2	1431.0	64.8	0.1	0.5	1430.7	62.6	0.1	0.1	1430.0	57.3	0.5	0.9	13
14	1430.4	60.3	0.3	0.2	1430.9	64.0	0.1	0.5	1430.8	63.3	0.5	0.1	1430.0	57.3	0.9	0.9	14
15	1430.5	61.0	0.3	0.2	1430.8	63.3	0.1	0.5	1430.8	63.3	0.1	0.1	1430.0	57.3	0.8	0.8	15
16	1430.5	61.0	0.3	0.2	1430.7	62.6	0.1	0.5	1430.9	64.0	0.4	0.1	1430.0	57.3	0.8	0.8	16
17	1430.5	61.0	0.3	0.2	1430.7	62.6	0.5	0.5	1431.0	64.8	0.5	0.1	1430.0	57.3	0.7	0.7	17
18	1430.5	61.0	0.2	0.2	1430.6	61.8	0.1	0.5	1431.0	64.8	0.1	0.1	1429.9	56.6	0.4	0.7	18
19	1430.5	61.0	0.2	0.2	1430.4	60.3	0.1	0.5	1431.1	65.6	0.5	0.1	1429.9	56.6	0.6	0.6	19
20	1430.6	61.8	0.2	0.2	1430.3	59.6	0.2	0.5	1431.2	66.5	0.6	0.1	1430.0	57.3	0.8	0.5	20
21	1430.6	61.8	0.2	0.2	1430.2	58.8	0.2	0.5	1431.2	66.5	0.2	0.2	1430.1	58.0	0.9	0.5	21
22	1430.6	61.8	0.2	0.2	1430.1	58.0	0.2	0.5	1431.2	66.5	0.3	0.3	1430.1	58.0	0.5	0.5	22
23	1430.6	61.8	0.2	0.2	1430.0	57.3	0.2	0.5	1431.2	66.5	0.3	0.3	1430.2	58.8	0.9	0.5	23
24	1430.6	61.8	0.2	0.2	1430.0	57.3	0.2	0.1	1431.2	66.5	0.3	0.3	1430.5	61.0	1.6	0.5	24
25	1430.7	62.6	0.2	0.1	1430.1	58.0	0.2	0.1	1431.3	67.4	0.7	0.3	1430.5	61.0	0.5	0.5	25
26	1430.7	62.6	0.2	0.1	1430.1	58.0	0.2	0.1	1431.3	67.4	0.3	0.3	1430.6	61.8	0.9	0.5	26
27	1430.7	62.6	0.2	0.1	1430.2	58.8	0.2	0.2	1432.0	73.3	3.3	0.3	1430.8	63.3	1.3	0.5	27
28	1430.7	62.6	0.2	0.1	1430.2	58.8	0.2	0.2	1432.2	75.2	1.6	0.6	1430.8	63.3	0.5	0.5	28
29	1430.8	63.3	0.4	0.1	1430.2	58.8	0.2	0.1	1431.7	70.8	1.0	3.3	1430.9	64.0	0.7	0.4	29
30	1430.8	63.3	0.1	0.1	1430.3	59.6	0.2	0.1	1431.1	65.6	0.5	3.1	1431.0	64.8	0.8	0.4	30
31	1430.8	63.3	0.1	0.1					1430.5	61.0	0.6	2.9	1431.0	64.8	0.4	0.4	31
TOTAL			7.4	4.4			6.0	7.9			14.6	13.9			22.9	21.0	
Inf. Ac. Ft.			14.7				11.9				29.0				45.4	101.0	
Outf. Ac. Ft.			8.7				15.7				27.6				41.6	93.6	
Maximum Mean Daily Inflow			0.6				0.9				3.3				2.3	3.3	
Minimum Mean Daily Inflow			0.1				0				0.1				0.2	0	
Storage Change			+ 6.0				- 3.7				+ 1.4				+ 3.8	+ 7.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,439.0	feet	on 4/9/65	Storage	154.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1,399.4	feet	on VAR. MONTHS	Storage	0	Acre Feet	B. R. MC CARTY	Dam Tender	Gage Hts. copied	FM JLF
Max. Peak Inf.	232.	C. F. S. from	7:30 P.M. on 4/9/65	to	7:45 P.M.	on 4/9/65	R. J. SARASUA	Hydrographer	Storage applied	FM JLF
Max. Peak Outf.	179.	C. F. S. from	8:30 P.M. on 4/9/65	to	8:36 P.M.	on 4/9/65		Hydrographer	Inf. & Outf. comp.	FM JLF

REMARKS [INDICATES AVERAGE FOR PERIOD

760138N-688 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In San Dimas Canyon for the Year Ending September 30, 19 65

Drainage Area 16.2 Square Miles. Capacity of Reservoir 728.9 Ac. Ft. at Spillway Elev. 1,462.0 Ft. as of April 19 62

Continuous Water Stage Recorder Au

Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,431.1	65.6	0.8	0.4	1,432.8	80.8	0.6	1.5	1,429.3	52.7	20.7	0.5	1,399.4	0	4.9	4.9	1
2	1,431.1	65.6	0.5	0.5	1,432.3	76.1	0.6	2.2	1,434.5	98.6	23.4	0.2			4.6	4.6	2
3	1,431.2	66.5	1.0	0.5	1,431.9	72.4	0.6	2.4	1,437.0	128.1	14.9	0.1			4.3	4.3	3
4	1,431.3	67.4	0.9	0.5	1,431.6	69.9	0.7	2.4	1,438.4	146.1	9.2	0.1			4.1	4.1	4
5	1,431.6	69.9	1.9	0.6	1,431.2	66.5	0.7	2.4	1,437.9	139.5	5.0	8.3			4.0	4.0	5
6	1,431.8	71.6	1.4	0.6	1,430.8	63.3	0.8	2.4	1,435.6	111.1	0.9	15.2			3.8	3.8	6
7	1,431.9	72.4	1.0	0.6	1,430.5	61.0	1.2	2.4	1,433.0	82.7	0.2	14.6			3.6	3.6	7
8	1,431.9	72.4	0.5	0.5	1,430.1	59.0	0.9	2.4	1,433.4	86.8	16.7	14.6			3.4	3.4	8
9	1,432.0	73.3	1.0	0.5	1,429.7	55.3	1.0	2.4	1,435.6	111.1	52.7	40.4			3.2	3.2	9
10	1,432.1	74.2	0.9	0.5	1,429.4	53.3	1.4	2.4	1,434.1	94.1	40.4	49.0			3.0	3.0	10
11	1,432.1	74.2	0.5	0.5	1,429.0	50.7	1.1	2.4	1,432.6	78.9	17.3	25.0			2.9	2.9	11
12	1,432.2	75.2	0.9	0.4	1,428.7	49.0	1.6	2.4	1,429.6	54.7	10.8	23.0			2.7	2.7	12
13	1,432.3	76.1	0.9	0.4	1,428.3	46.7	1.0	2.2	1,425.6	33.8	7.2	17.7			2.8	2.8	13
14	1,432.3	76.1	0.4	0.4	1,428.0	45.0	1.3	2.2	1,421.2	19.3	5.0	12.3		NO STORAGE	3.0	3.0	14
15	1,432.4	77.1	1.0	0.5	1,427.6	43.0	1.2	2.2	1,419.8	16.0	5.6	7.3			2.9	2.9	15
16	1,432.5	78.0	1.0	0.5	1,427.2	40.9	1.2	2.2	1,410.0	2.8	5.9	12.5			2.6	2.6	16
17	1,432.5	78.0	0.5	0.5	1,426.7	38.6	0.9	2.1	1,399.4	0	6.5	8.0			2.4	2.4	17
18	1,432.5	78.0	0.4	0.4	1,426.2	36.3	1.0	2.1			6.0	6.0			2.2	2.2	18
19	1,432.6	78.9	0.8	0.4	1,425.7	34.2	1.0	2.1			4.9	4.9			2.0	2.0	19
20	1,432.6	78.9	0.5	0.5	1,425.1	31.9	0.9	2.1			4.1	4.1			1.8	1.8	20
21	1,432.6	78.9	0.5	0.5	1,424.5	29.6	0.9	1.9			4.9	4.9			1.7	1.7	21
22	1,432.7	79.9	1.0	0.5	1,423.9	27.5	0.8	1.9		NO STORAGE	4.8	4.8			1.6	1.6	22
23	1,432.7	79.9	0.5	0.5	1,423.2	25.2	0.7	1.8			5.0	5.0			1.5	1.5	23
24	1,432.7	79.9	0.5	0.5	1,422.6	23.3	0.8	1.8			5.0	5.0			1.4	1.4	24
25	1,432.8	80.8	1.0	0.5	1,421.9	21.2	0.7	1.8			5.0	5.0			1.3	1.3	25
26	1,432.8	80.8	0.5	0.5	1,421.1	19.1	0.9	1.9			8.6	8.6			1.3	1.3	26
27	1,432.9	81.8	1.0	0.5	1,420.4	17.4	0.6	1.5			2.5	2.5			1.3	1.3	27
28	1,432.9	81.8	0.5	0.5	1,419.0	14.2	0.9	2.5			5.0	5.0			1.3	1.3	28
29					1,417.2	10.8	1.0	2.7			5.3	5.3			1.3	1.3	29
30					1,415.6	8.4	1.0	2.2	1,399.4	0	5.1	5.1			1.3	1.3	30
31					1,418.2	12.6	3.1	1.0					1,399.4	0	1.3	1.3	31
TOTAL			22.3	13.7			31.0	65.9			308.6	315.0			79.5	79.5	
Inf. Ac. Ft.			44.2				61.5				612.1				158.3	977.1	
Outf. Ac. Ft.			27.2				130.7				624.8				158.3	1,034.6	
Maximum Mean Daily Inflow			1.9				3.1				52.7				4.9	52.7	
Minimum Mean Daily Inflow			0.4				0.6				0.2				1.3	0	
Storage Change		+ 17.0				- 69.2				- 12.6				0		- 57.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,439.0	feet	on	4/9/65	Storage	154.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,399.4	feet	on	VAR. MONTHS	Storage	0	Acre Feet	B. R. MC CARTY	Dam Tender	Gage Hts. copied	FM JSL	
Max. Peak Inf.	232.	C. F. S. from	7:30 P.M.	on	4/9/65	to	7:45 P.M.	on	4/9/65	R. J. SARASUA	Hydrographer	Storage applied	FM JSL	
Max. Peak Outf.	179.	C. F. S. from	8:30 P.M.	on	4/9/65	to	8:36 P.M.	on	4/9/65		Hydrographer	Inf. & Outf. comp.	FM JSL	

REMARKS (INDICATES AVERAGE FOR PERIOD

760138N-688 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In San Dimas Canyon for the Year Ending September 30, 19 65

Drainage Area 16.2 Square Miles. Capacity of Reservoir 728.9 Ac. Ft. at Spillway Elev. 1,462.0 Ft. as of April 19 62

Continuous Water Stage Recorder Au

Gage Heights Read Daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,399.4	0	1.3	1.3	1,399.4	0	0.5	0.5	1,399.4	0	0.6	0.6	1,399.4	0	0.4	0.4	1
2			1.3	1.3			0.5	0.5			0.6	0.6			0.4	0.4	2
3			1.9	1.9			0.5	0.5			0.6	0.6			0.4	0.4	3
4			1.7	1.7			0.5	0.5			0.6	0.6			0.4	0.4	4
5			1.5	1.5			0.5	0.5			0.6	0.6			0.4	0.4	5
6			1.3	1.3			0.5	0.5			0.6	0.6			0.4	0.4	6
7			1.1	1.1			0.5	0.5			0.6	0.6			0.4	0.4	7
8			1.0	1.0			0.5	0.5			0.6	0.6			0.4	0.4	8
9			0.9	0.9			0.5	0.5			0.6	0.6			0.4	0.4	9
10			0.9	0.9			0.5	0.5			0.6	0.6			0.4	0.4	10
11			0.9	0.9			0.5	0.5			0.5	0.5			0.4	0.4	11
12			0.9	0.9			0.5	0.5			0.5	0.5			0.4	0.4	12
13		NO STORAGE	0.9	0.9		NO STORAGE	0.5	0.5		NO STORAGE	0.5	0.5		NO STORAGE	0.4	0.4	13
14			1.0	1.0			0.5	0.5			0.5	0.5			0.4	0.4	14
15			1.0	1.0			0.5	0.5			0.5	0.5			0.4	0.4	15
16			1.0	1.0			0.6	0.6			0.5	0.5			0.4	0.4	16
17			1.0	1.0			0.6	0.6			0.5	0.5			0.4	0.4	17
18			1.0	1.0			0.5	0.5			0.5	0.5			0.3	0.3	18
19			1.0	1.0			0.5	0.5			0.5	0.5			0.3	0.3	19
20			0.9	0.9			0.5	0.5			0.5	0.5			0.3	0.3	20
21			0.9	0.9			0.5	0.5			0.5	0.5			0.2	0.2	21
22			0.8	0.8			0.5	0.5			0.5	0.5			0.2	0.2	22
23			0.8	0.8			0.5	0.5			0.4	0.4			0.2	0.2	23
24			0.7	0.7			0.5	0.5			0.4	0.4			0.2	0.2	24
25			0.7	0.7			0.5	0.5			0.4	0.4			0.2	0.2	25
26			0.7	0.7			0.6	0.6			0.4	0.4			0.2	0.2	26
27			0.6	0.6			0.6	0.6			0.4	0.4			0.2	0.2	27
28			0.6	0.6			0.6	0.6			0.4	0.4			0.2	0.2	28
29			0.6	0.6			0.6	0.6			0.4	0.4			0.2	0.2	29
30	1,399.4	0	0.5	0.5			0.6	0.6			0.4	0.4	1,399.4	0	0.2	0.2	30
31					1,399.4	0	0.6	0.6	1,399.4	0	0.4	0.4					31
TOTAL			29.4	29.4			16.3	16.3			15.6	15.6			9.7	9.7	
Inf. Ac. Ft.			58.3				32.3				30.9				19.2	1,117.8	
Outf. Ac. Ft.			58.3				32.3				30.9				19.2	1,175.3	
Maximum Mean Daily Inflow			1.9				0.6				0.6				0.4	52.7	
Minimum Mean Daily Inflow			0.5				0.5				0.4				0.2	0	
Storage Change		0				0				0				0		- 57.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,439.0	feet	on	4/9/65	Storage	154.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,399.4	feet	on	VAR. MONTHS	Storage	0	Acre Feet	B. R. MC CARTY	Dam Tender	Gage Hts. copied	FM JSL	
Max. Peak Inf.	232.	C. F. S. from	7:30 P.M.	on	4/9/65	to	7:45 P.M.	on	4/9/65	R. J. SARASUA	Hydrographer	Storage applied	FM JSL	
Max. Peak Outf.	179.	C. F. S. from	8:30 P.M.	on	4/9/65	to	8:36 P.M.	on	4/9/65		Hydrographer	Inf. & Outf. comp.	FM JSL	

REMARKS

76D138N-688 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam

On San Dimas Wash for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 2.64 Square Miles Capacity of Reservoir 202.8 Ac. Ft. at Spillway Elev. 1,152.5 Ft. as of October 1962 Gage Heights Read at various times

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1,130.7	0	0	0	1,130.7	0	0	0	1,130.7	0	0	0	1,130.7	0	0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0		NO STORAGE	0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0	1,130.7	0	0	0	21
22			0	0			0	0			0	0	1,134.9	3.8	1.9	0	22
23			0	0			0	0			0	0	1,134.3	2.2	0	0	23
24			0	0			0	0			0	0	1,134.0	1.4	0	0	24
25			0	0			0	0			0	0	1,133.6	1.0	0	0	25
26			0	0			0	0			0	0	1,133.2	0.6	0	0	26
27			0	0			0	0			0	0	1,132.9	0.3	0	0	27
28			0	0			0	0			0	0	1,132.5	0.2	0	0	28
29			0	0			0	0			0	0	1,132.2	0.1	0	0	29
30			0	0	1,130.7	0	0	0			0	0	1,130.7	0	0	0	30
31	1,130.7	0	0	0					1,130.7	0	0	0	1,130.7	0	0	0	31
TOTAL			0	0			0	0			0	0			1.9	0	
Inf. Ac. Ft.			0				0				0				3.7	3.7	
Outf. Ac. Ft.			0				0				0				0+(3.7)	0 + (3.7)	
Maximum Mean Daily Inflow			0				0				0				1.9	1.9	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,143.4	feet	4/9/64	Storage	75.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,130.7	feet on	VARIOUS DAYS	Storage	0	Acre Feet	G. H. SHEPHERD	Dam Tender	Gage Hts. copied	RAP	AJF
Max. Peak Inf.	55.2	C.F.S. from	5:30 A.M. on	1/22/64	to	6:00 A.M. on	1/22/64	R. J. SARASUA	Hydrographer	Storage applied	RAP	AJF
Max. Peak Outf.	46.1	C.F.S. from	12:30 P.M. on	4/9/64	to	4:00 P.M. on	4/9/64		Hydrographer	Inf. & Outf. comp.	AJF	AJF

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES

76D138N-688 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam

On San Dimas Wash for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 2.64 Square Miles Capacity of Reservoir 202.8 Ac. Ft. at Spillway Elev. 1,152.5 Ft. as of October 1962 Gage Heights Read at various times

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1,130.7	0	0	0	1,130.7	0	0	0	1,134.6	3.0	1.6	0	1,130.7	0	0	0	1
2			0	0			0	0	1,134.4	2.5	0	0			0	0	2
3			0	0			0	0	1,134.1	1.7	0	0			0	0	3
4			0	0			0	0	1,133.9	1.3	0	0			0	0	4
5			0	0			0	0	1,133.7	1.1	0	0			0	0	5
6			0	0			0	0	1,133.5	0.9	0	0			0	0	6
7			0	0			0	0	1,138.5	25.6	14.9	0			0	0	7
8			0	0			0	0	1,142.0	60.1	22.4	0			0	0	8
9			0	0			0	0	1,141.0	48.9	14.1	14.9			0	0	9
10			0	0		NO STORAGE	0	0	1,135.5	6.2	0	16.9			0	0	10
11			0	0			0	0	1,131.3	+	0	2.1			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15		NO STORAGE	0	0			0	0			0	0		NO STORAGE	0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0	1,131.3	+	0	0			0	0	19
20			0	0			0	0	1,130.7	0	0	0			0	0	20
21			0	0	1,130.7	0	0	0			0	0			0	0	21
22			0	0	1,134.5	2.7	1.4	0			0	0			0	0	22
23			0	0	1,134.8	3.5	0.4	0			0	0			0	0	23
24			0	0	1,134.5	2.7	0	0			0	0			0	0	24
25			0	0	1,134.2	1.9	0	0			0	0			0	0	25
26			0	0	1,134.0	1.4	0	0			0	0			0	0	26
27			0	0	1,133.7	1.1	0	0			0	0			0	0	27
28			0	0	1,133.5	0.9	0	0			0	0			0	0	28
29	1,130.7	0	0	0	1,133.2	0.6	0	0			0	0			0	0	29
30					1,133.0	0.3	0	0	1,130.7	0	0	0			0	0	30
31					1,132.7	0.2	0	0					1,130.7	0	0	0	31
TOTAL			0	0			1.8	0			53.0	33.9			0	0	
Inf. Ac. Ft.			0				3.6				105.1				0	112.4	
Outf. Ac. Ft.			0				0 + (3.4)				67.2 + (38.1)				0	67.2+(45.2)	
Maximum Mean Daily Inflow			0				1.4				19.2				0	19.2	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				+ 0.2				- 0.2				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,143.4	feet	4/9/64	Storage	75.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,130.7	feet on	VARIOUS DAYS	Storage	0	Acre Feet	G. H. SHEPHERD	Dam Tender	Gage Hts. copied	RAP	AJF
Max. Peak Inf.	55.2	C.F.S. from	5:30 A.M. on	1/22/64	to	6:00 A.M. on	1/22/64	R. J. SARASUA	Hydrographer	Storage applied	RAP	AJF
Max. Peak Outf.	46.1	C.F.S. from	12:30 P.M. on	4/9/64	to	4:00 P.M. on	4/9/64		Hydrographer	Inf. & Outf. comp.	AJF	AJF

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES

760138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam

On San Dimas Wash for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 2.64 Square Miles. Capacity of Reservoir 202.8 Ac. Ft. at Spillway Elev. 1,152.5 Ft. as of October 19 62 Gage Heights Read at various times

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,130.7	0	0	0	1,130.7	0	0	0	1,130.7	0	0	0	1,130.7	0	0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30	1,130.7	0	0	0			0	0			0	0	1,130.7	0	0	0	30
31					1,130.7	0	0	0	1,130.7	0	0	0					31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	112.4	
Outf. Ac. Ft.			0				0				0				0	67.2 + (45.2)	
Maximum Mean Daily Inflow			0				0				0				0	19.2	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0					0				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,145.4	feet	on	4/9/64	Storage	75.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,130.7	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	G. H. SHEPHERD	Dam Tender	Gage Hts. copied	RAP FM	
Max. Peak Inf.	55.2	C. F. S. from	5:30 A.M.	on	1/22/64	to	6:00 A.M.	on	1/22/64	R. J. SARASUA	Hydrographer	Storage applied	RAP FM	
Max. Peak Outf.	46.1	C. F. S. from	12:30 P.M.	on	4/9/64	to	4:00 P.M.	on	4/9/64		Hydrographer	Inf. & Outf. comp.	RAP FM	

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES

760138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam

On San Dimas Wash for the Year Ending September 30, 1965

Continuous Water Stage Recorder Au

Drainage Area 2.64 Square Miles. Capacity of Reservoir 202.8 Ac. Ft. at Spillway Elev. 1,152.5 Ft. as of October 19 62 Gage Heights Read at Various Times

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,130.7	0	0	0	1,130.7	0	0	0	1,130.7	0	0	0	1,130.7	0	0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0	1,130.7	0	0	0			0	0			0	0	30
31	1,130.7	0	0	0					1,130.7	0	0	0	1,130.7	0	0	0	31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	0	
Outf. Ac. Ft.			0				0				0				0	0	
Maximum Mean Daily Inflow			0				0				0				0	0	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0					0				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,152.0*	feet	on	4/13/65	Storage	194.4	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,130.7	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	G. H. SHEPHERD	Dam Tender	Gage Hts. copied	FM JLF	
Max. Peak Inf.	238.7	C. F. S. from	9:30 P.M.	on	4/9/65	to	10:00 P.M.	on	4/9/65	R. J. SARASUA	Hydrographer	Storage applied	FM JLF	
Max. Peak Outf.	35.0	C. F. S. from	3:54 P.M.	on	5/11/65	to	4:24 P.M.	on	5/11/65		Hydrographer	Inf. & Outf. comp.	FM JLF	

REMARKS

760138N-688 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam

On San Dimas Wash for the Year Ending September 30, 1965

Continuous Water Stage Recorder Au

Drainage Area 2.64 Square Miles. Capacity of Reservoir 202.8 Ac. Ft. at Spillway Elev. 1,152.5 Ft. as of October 1962 Gage Heights Read at Various Times

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,130.7	0	0	0	1,130.7	0	0	0	1,135.97	8.3	2.4	+	1,145.10	97.4	3.4	0.8	1
2			0	0			0	0	1,136.47	11.2	2.5		1,145.18	98.4	3.3	0.8	2
3			0	0			0	0	1,136.35	10.5	2.5		1,144.12	85.5	2.2	6.8	3
4			0	0			0	0	1,136.14	9.3	2.5		1,142.65	67.8	0.4	8.0	4
5			0	0			0	0	1,138.26	25.6	2.5	+	1,143.00	71.9	3.9	0.6	5
6			0	0			0	0	1,139.70	36.0	14.0	7.0	1,143.32	75.8	4.0	0.6	6
7			0	0			0	0	1,140.03	39.0	13.6	11.3	1,143.46	77.5	3.0	0.6	7
8			0	0			0	0	1,142.07	60.9	20.6	8.4	1,143.57	78.8	2.7	0.6	8
9			0	0			0	0	1,151.39	184.6	73.1	5.7	1,143.60	79.2	2.3	0.5	9
10			0	0			0	0	1,150.82	175.7	39.6	39.5	1,143.60	79.2	2.1	0.5	10
11			0	0			0	0	1,151.23	182.1	20.6	12.5	1,138.95	29.1	1.3	18.9	11
12			0	0			0	0	1,151.77	190.7	18.9	9.4	1,136.14	9.3	1.2	8.8	12
13		NO STORAGE	0	0		NO STORAGE	0	0	1,151.66	189.0	14.2	10.0	1,135.75	7.4	1.2	2.1	13
14			0	0			0	0	1,151.45	185.6	12.3	9.0	1,136.35	10.5	1.2	1.8	14
15			0	0			0	0	1,150.79	175.2	8.7	9.3	1,137.17	15.6	1.2	0	15
16			0	0			0	0	1,150.83	175.8	14.1	9.2	1,137.76	19.8	1.2	0	16
17			0	0			0	0	1,150.37	169.0	9.8	8.8	1,137.58	18.5	1.2	1.1	17
18			0	0			0	0	1,149.88	161.7	9.2	8.7	1,137.57	18.4	1.2	1.5	18
19			0	0			0	0	1,149.43	155.1	8.6	7.9	1,137.58	18.5	1.2	1.5	19
20			0	0			0	0	1,148.99	148.8	7.6	7.1	1,137.88	20.6	1.2	0.9	20
21			0	0			0	0	1,148.67	144.3	7.0	5.7	1,138.43	24.9	2.7	0	21
22			0	0			0	0	1,148.38	140.3	6.5	5.0	1,138.90	28.8	2.5	0	22
23			0	0			0	0	1,148.08	136.1	5.7	4.6	1,139.45	33.7	3.2	0	23
24			0	0			0	0	1,147.76	131.8	5.2	4.2	1,139.45	33.7	2.1	1.4	24
25			0	0			0	0	1,147.35	126.3	4.0	3.8	1,139.24	31.8	1.5	1.9	25
26			0	0			0	0	1,147.14	123.5	4.5	3.0	1,139.16	31.0	1.5	1.3	26
27			0	0			0	0	1,146.48	114.9	3.7	5.4	1,139.56	34.7	2.6	0	27
28	1,130.7	0	0	0			0	0	1,145.54	102.9	2.7	6.6	1,139.90	37.8	2.4	0	28
29					1,130.7	0	0	0	1,144.90	95.0	3.1	5.1	1,140.03	39.0	1.4	0	29
30					1,132.00	+	+	0	1,145.00	96.2	3.2	0.8	1,140.14	40.1	1.3	0	30
31					1,134.20	1.9	1.0	0					1,140.33	42.1	1.8	0	31
TOTAL			0	0			1.0	0			342.9	208.0			62.4	61.0	
Inf. Ac. Ft.			0				2.0				680.1				123.8	805.9	
Outf. Ac. Ft.			0				0				412.6 + (179.2)				121.0 + (56.9)	533.6 + (230.1)	
Maximum Mean Daily Inflow			0				1.0				68.6				4.0	68.6	
Minimum Mean Daily Inflow			0				0				1.8				0.8	0	
Storage Change	0				+ 1.9				+ 94.3				-- 54.1			+ 42.1	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,152.0	feet	on	4/13/65	Storage	194.4	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1,130.7	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	G. H. SHEPHERD	Dam Tender	Gage Hts. copied	BJM TS
Max. Peak Inf.	238.7	C. F. S. from	9:30 P.M.	on	4/9/65	to	10:00 P.M.	on	4/9/65	R. J. SARASUA	Hydrographer	Storage applied	BJM TS
Max. Peak Outf.	35.0	C. F. S. from	3:54 P.M.	on	5/11/65	to	4:24 P.M.	on	5/11/65		Hydrographer	Inf. & Outf. comp.	BJM TS

REMARKS (INDICATES AVERAGE FOR PERIOD

760138N-688 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam

On San Dimas Wash for the Year Ending September 30, 1965

Continuous Water Stage Recorder Au

Drainage Area 2.64 Square Miles. Capacity of Reservoir 202.8 Ac. Ft. at Spillway Elev. 1,152.5 Ft. as of October 19 62 Gage Heights Read at Various Times

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,140.50	43.8	1.7	0	1,139.75	1/ 18.1	0.4	0	1,132.9	+	+	0	1,130.7	0	0	0	1
2	1,140.65	45.3	1.5	0	1,139.50	16.8	0.6	0				0			0	0	2
3	1,140.85	47.4	2.0	0	1,139.30	15.7	0.4	0				0			0	0	3
4	1,141.00	48.9	1.7	0	1,139.15	14.9	0.4	0				0			0	0	4
5	1,141.05	49.5	1.3	0	1,138.95	13.9	0.5	0				0			0	0	5
6	1,141.00	48.9	0.7	0	1,138.80	13.2	0.6	0				0			0	0	6
7	1,141.00	48.9	1.0	0	1,138.65	12.5	0.6	0				0			0	0	7
8	1,141.00	48.9	1.0	0	1,138.50	11.8	0.3	0				0			0	0	8
9	1,141.00	48.9	1.0	0	1,138.35	11.1	0.3	0				0			0	0	9
10	1,141.00	48.9	1.0	0	1,138.20	10.4	0.3	0				0			0	0	10
11	1,141.00	48.9	1.0	0	1,138.05	9.5	0.1	0				0			0	0	11
12	1,141.10	50.0	1.6	0	1,137.95	9.2	0.5	0				0			0	0	12
13	1,141.10	50.0	1.0	0	1,137.80	8.7	0.3	0				0			0	0	13
14	1,141.10	50.0	1.0	0	1,137.70	8.3	0.3	0		SMALL POOL		0			0	0	14
15	1,141.15	50.6	1.3	0	1,137.55	7.7	0.2	0				0			0	0	15
16	1,141.20	51.1	1.2	0	1,137.45	7.3	0.3	0				0			0	0	16
17	1,141.20	51.1	1.0	0	1,137.30	6.8	0.3	0				0			0	0	17
18	1,141.15	50.6	0.8	0	1,137.20	6.4	0.2	0				0			0	0	18
19	1,141.05	49.5	0.4	0	1,137.10	6.0	0.2	0				0			0	0	19
20	1,140.95	48.4	0.5	0	1,136.55	4.3	0.2	0.5				0		NO STORAGE	0	0	20
21	1,140.85	47.4	0.4	0	1,135.35	1.6	0.1	1.0				0			0	0	21
22	1,140.70	45.8	0.1	0	1,134.70	0.8	0.8	0.7				0			0	0	22
23	1,140.60	44.8	0.4	0	1,132.9	+	+	+				0			0	0	23
24	1,140.50	43.8	0.3	0				0				0			0	0	24
25	1,140.50	43.8	0.8	0				0				0			0	0	25
26	1,140.45	43.3	0.5	0				0				0			0	0	26
27	1,140.30	41.8	0	0				0				0			0	0	27
28	1,140.25	41.2	0.6	0				0				0			0	0	28
29	1,140.05	39.2	0	0				0				0			0	0	29
30	1,139.85	37.4	0	0				0				0	1,130.7	0	0	0	30
31					1,132.9	+	+	0	1,132.9	+	+	0					31
TOTAL			25.8	0			7.9	2.2			+	0			0	0	
Inf. Ac. Ft.			51.2				15.7				+				0	872.8	
Outf. Ac. Ft.			0 + (55.9)				4.4 + (30.0)				0				0	538.0 + (316.0)	
Maximum Mean Daily Inflow			2.0				0.8				+				0	68.6	
Minimum Mean Daily Inflow			0				+				+				0	0	
Storage Change	- 4.7					1/ -- 37.4				0				0		1/ 0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,152.0	feet	on	4/13/65	Storage	194.4	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1,130.7	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	G. H. SHEPHERD	Dam Tender	Gage Hts. copied	TS JL
Max. Peak Inf.	238.7	C. F. S. from	9:30 P.M.	on	4/9/65	to	10:00 P.M.	on	4/9/65	R. J. SARASUA	Hydrographer	Storage applied	TS JL
Max. Peak Outf.	35.0	C. F. S. from	3:54 P.M.	on	5/11/65	to	4:24 P.M.	on	5/11/65		Hydrographer	Inf. & Outf. comp.	TS JL

REMARKS

1/ 1.87 A.F. LOSS DUE TO SILTATION -- CHANGED TO STORAGE TABLE XI 7/1/65.

760138N-688 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

On Puddingstone Creek for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 32.1 Square Miles. Capacity of Reservoir 17,091. Ac. Ft. at Spillway Elev. 970.0 Ft. as of September 1959 Gage Heights Read Daily

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	941.19	6,766.0	0	0	940.83	6,675.0	0	0	941.00	6,717.4	0	0	940.74	6,652.6	0.4	0	1
2	941.18	6,763.4	0.2	0	940.82	6,672.5	0	0	941.00	6,717.4	1.2	0	940.72	6,647.6	0	0	2
3	941.17	6,760.9	0	0	940.81	6,670.0	0	0	940.98	6,712.4	0	0	940.71	6,645.1	0	0	3
4	941.15	6,755.8	0	0	940.80	6,667.5	0	0	940.97	6,709.9	0	0	940.70	6,642.6	0.3	0	4
5	941.14	6,753.2	0	0	940.79	6,665.0	0	0	940.97	6,709.9	1.3	0	940.69	6,640.1	0.2	0	5
6	941.12	6,748.1	0	0	940.83	6,675.0	5.2	0	940.96	6,707.4	0	0	940.68	6,637.6	0	0	6
7	941.11	6,745.5	0.7	0	940.82	6,672.5	0.1	0	940.95	6,704.9	0	0	940.67	6,635.1	0	0	7
8	941.10	6,743.0	0.6	0	940.82	6,672.5	1.1	0	940.94	6,702.4	0.6	0	940.66	6,632.6	0	0	8
9	941.08	6,737.9	0	0	940.80	6,667.5	0	0	940.93	6,699.9	0	0	940.65	6,630.1	0.4	0	9
10	941.06	6,732.7	0	0	940.80	6,667.5	1.3	0	940.92	6,697.4	0	0	940.64	6,627.6	0	0	10
11	941.04	6,727.6	0	0	940.79	6,665.0	0	0	940.91	6,695.0	0	0	940.63	6,625.1	0	0	11
12	941.03	6,725.1	0.4	0	940.78	6,662.5	0	0	940.90	6,692.5	0	0	940.62	6,622.6	0.5	0	12
13	941.01	6,720.0	0	0	940.77	6,660.0	0	0	940.89	6,690.0	0	0	940.61	6,620.1	0	0	13
14	941.00	6,717.4	0	0	940.76	6,657.5	0	0	940.88	6,687.5	0	0	940.60	6,617.6	0	0	14
15	940.99	6,714.9	0	0	940.80	6,667.5	5.6	0	940.87	6,685.0	0	0	940.59	6,615.1	0	0	15
16	940.99	6,714.9	0.8	0	940.79	6,665.0	0	0	940.86	6,682.5	0	0	940.58	6,612.7	0	0	16
17	940.99	6,714.9	0.8	0	940.78	6,662.5	0	0	940.85	6,680.0	0	0	940.57	6,610.2	0	0	17
18	940.99	6,714.9	0.9	0	940.77	6,660.0	0	0	940.84	6,677.5	0.1	0	940.58	6,612.7	1.4	0	18
19	940.98	6,712.4	0	0	940.77	6,660.0	1.1	0	940.84	6,677.5	0	0	940.58	6,612.7	0.3	0	19
20	940.97	6,709.9	0	0	941.09	6,740.4	40.5	0	940.83	6,675.0	0	0	940.58	6,612.7	0.7	0	20
21	940.96	6,707.4	0	0	941.09	6,740.4	0.6	0	940.83	6,675.0	0.4	0	940.75	6,655.0	22.0	0	21
22	940.95	6,704.9	0	0	941.09	6,740.4	1.0	0	940.82	6,672.5	0	0	941.09	6,740.4	43.3	0	22
23	940.94	6,702.4	0	0	941.08	6,737.9	0	0	940.81	6,670.0	0	0	941.09	6,740.4	0.8	0	23
24	940.93	6,699.9	0	0	941.07	6,735.3	0	0	940.80	6,667.5	0.1	0	941.08	6,737.9	0	0	24
25	940.92	6,697.4	0.2	0	941.06	6,732.7	0	0	940.79	6,665.0	0	0	941.07	6,735.3	0	0	25
26	940.90	6,692.5	0	0	941.05	6,730.2	0	0	940.79	6,665.0	1.2	0	941.07	6,735.3	0.6	0	26
27	940.89	6,690.0	0.4	0	941.04	6,727.6	0	0	940.78	6,662.5	0	0	941.05	6,730.2	0	0	27
28	940.89	6,690.0	0.8	0	941.03	6,725.1	0	0	940.78	6,662.5	1.2	0	941.06	6,732.7	2.0	0	28
29	940.87	6,685.0	0	0	941.02	6,722.5	0.3	0	940.77	6,660.0	0	0	941.05	6,730.2	0	0	29
30	940.87	6,685.0	0.8	0	941.01	6,720.0	0	0	940.76	6,657.5	0.8	0	941.05	6,730.2	0.4	0	30
31	940.86	6,682.5	0	0					940.75	6,655.0	0.1	0	941.04	6,727.6	0	0	31
TOTAL			6.6	0			56.8	0			7.0	0			73.3	0	
Inf. Ac. Ft.			13.1	0			112.7				13.9				145.4	285.1	
Outf. Ac. Ft.			0 + (99.2)				0 + (75.2)				0 + (78.9)				0 + (72.8)	0 + (326.1)	
Maximum Mean Daily Inflow			0.9				40.5				1.3				43.3	43.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		− 86.1				+ 37.5				− 65.0				+ 72.6		− 41.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	941.26	feet	on	4/1/64	Storage	6,783.9	Acre Feet
Min. W. S. Elev.	938.22	feet	on	9/30/64	Storage	6,039.9	Acre Feet
Max. Peak Inf.	242.	C. F. S. from	VAR, TIMES	on	1/22/64	to	on
Max. Peak Outf.	NO RELEASES	C. F. S. from		on		to	on

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
G. H. SHEPHERD	Dam Tender	Gage Hts. copied	RAP	AJF
R. J. SARASUA	Hydrographer	Storage applied	RAP	AJF
	Hydrographer	Inf. & Outf. comp.	RAP	AJF

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES

760138N-688 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

On Puddingstone Creek for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 32.1 Square Miles. Capacity of Reservoir 17,091. Ac. Ft. at Spillway Elev. 970.0 Ft. as of September 1959 Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	941.03	6,725.1	0	0	940.79	6,665.0	1.2	0	941.25	6,781.4	25.9	0	940.91	6,695.0	0	0	1
2	941.02	6,722.5	0	0	940.81	6,670.0	3.6	0	941.24	6,778.8	0	0	940.90	6,692.5	0	0	2
3	941.01	6,720.0	0.4	0	940.80	6,667.5	0.5	0	941.23	6,776.2	0.1	0	940.89	6,690.0	0.1	0	3
4	941.00	6,717.4	0	0	940.79	6,665.0	0.1	0	941.22	6,773.7	0	0	940.87	6,685.0	0	0	4
5	941.00	6,717.4	1.1	0	940.78	6,662.5	0	0	941.21	6,771.1	0	0	940.86	6,682.5	0	0	5
6	940.99	6,714.9	0	0	940.77	6,660.0	0	0	941.20	6,768.6	0	0	940.85	6,680.0	0	0	6
7	940.98	6,712.4	0	0	940.76	6,657.5	0	0	941.19	6,766.0	0.2	0	940.84	6,677.5	0	0	7
8	940.97	6,709.9	0	0	940.75	6,655.0	0.4	0	941.18	6,763.4	0.6	0	940.83	6,675.0	0	0	8
9	940.96	6,707.4	0.2	0	940.74	6,652.6	0	0	941.17	6,760.9	1.0	0	940.82	6,672.5	0.4	0	9
10	940.95	6,704.9	0.3	0	940.73	6,650.1	0	0	941.15	6,755.8	0	0	940.80	6,667.5	0	0	10
11	940.94	6,702.4	0	0	940.72	6,647.6	0	0	941.14	6,753.2	0	0	940.79	6,665.0	0.6	0	11
12	940.94	6,702.4	1.3	0	940.73	6,650.1	1.8	0	941.13	6,750.7	0.3	0	940.78	6,662.5	0.3	0	12
13	940.93	6,699.9	0	0	940.73	6,650.1	0.5	0	941.12	6,748.1	0.6	0	940.77	6,660.0	0.4	0	13
14	940.92	6,697.4	0	0	940.72	6,647.6	0	0	941.10	6,743.0	0.2	0	940.75	6,655.0	0	0	14
15	940.91	6,695.0	0	0	940.71	6,645.1	0.4	0	941.08	6,737.9	0.6	0	940.74	6,652.6	0.1	0	15
16	940.89	6,690.0	0	0	940.69	6,640.1	0.8	0	941.07	6,735.3	0.8	0	940.72	6,647.6	0	0	16
17	940.89	6,690.0	1.4	0	940.68	6,637.6	1.3	0	941.05	6,730.2	0	0	940.70	6,642.6	0	0	17
18	940.88	6,687.5	0	0	940.65	6,630.1	0	0	941.04	6,727.6	0.2	0	940.69	6,640.1	0.5	0	18
19	940.86	6,682.5	0	0	940.65	6,630.1	1.1	0	941.03	6,725.1	0	0	940.67	6,635.1	0	0	19
20	940.86	6,682.5	1.9	0	940.65	6,630.1	1.4	0	941.01	6,720.0	0	0	940.65	6,630.1	0	0	20
21	940.85	6,680.0	0.3	0	940.64	6,627.6	0	0	941.00	6,717.4	0	0	940.64	6,627.6	0.6	0	21
22	940.84	6,677.5	0.2	0	940.89	6,690.0	32.6	0	940.99	6,714.9	0.1	0	940.62	6,622.6	0	0	22
23	940.83	6,675.0	0.7	0	941.00	6,717.4	13.8	0	940.97	6,709.9	0	0	940.60	6,617.6	0	0	23
24	940.81	6,670.0	0	0	941.03	6,725.1	4.4	0	940.95	6,704.9	0	0	940.59	6,615.1	0.1	0	24
25	940.81	6,670.0	0.4	0	941.04	6,727.6	2.5	0	940.94	6,702.4	0.3	0	940.57	6,610.2	0	0	25
26	940.81	6,670.0	1.1	0	941.03	6,725.1	0	0	940.92	6,697.4	0	0	940.55	6,605.2	0	0	26
27	940.80	6,667.5	0	0	941.03	6,725.1	1.4	0	940.92	6,697.4	1.4	0	940.53	6,600.2	0	0	27
28	940.79	6,665.0	0	0	941.02	6,722.5	0.4	0	940.93	6,699.9	2.3	0	940.51	6,595.2	0	0	28
29	940.79	6,665.0	0.8	0	941.01	6,720.0	0.8	0	940.93	6,699.9	0.6	0	940.49	6,590.2	0	0	29
30					941.00	6,717.4	0	0	940.92	6,697.4	0	0	940.47	6,585.2	0	0	30
31					941.05	6,730.2	7.1	0					940.46	6,582.7	0.7	0	31
TOTAL			10.1	0			76.1	0			35.2	0			3.8	0	
Inf. Ac. Ft.			20.0				150.9				69.8				7.5	533.3	
Outf. Ac. Ft.			0 + (82.6)				0 + (85.7)				0 + (102.6)				0 + (122.2)	0 + (719.2)	
Maximum Mean Daily Inflow			1.9				32.6				25.9				0.6	43.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		− 62.6				+ 65.2				− 32.8				− 114.7		− 185.9	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	941.26	feet	on	4/1/26	Storage	6,783.9	Acre Feet
Min. W. S. Elev.	938.22	feet	on	9/30/64	Storage	6,039.9	Acre Feet
Max. Peak Inf.	242.	C. F. S. from	VAR, TIMES	on	1/22/64	to	on
Max. Peak Outf.	NO RELEASES	C. F. S. from		on		to	on

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
G. H. SHEPHERD	Dam Tender	Gage Hts. copied	RAP	AJF
R. J. SARASUA	Hydrographer	Storage applied	RAP	AJF
	Hydrographer	Inf. & Outf. comp.	RAP	AJF

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES

76D138N-6BB 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

On Puddingstone Creek for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 32.1 Square Miles. Capacity of Reservoir 17,091. Ac. Ft. at Spillway Elev. 970.0 Ft. as of September 1959 Gage Heights Read Daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	940.44	6,577.7	0	0	939.97	6,460.7	0	0	939.31	6,300.2	0.1	0	938.68	6,149.0	0	0	1
2	940.43	6,575.2	0.7	0	939.95	6,455.8	0.7	0	939.29	6,295.3	0	0	938.65	6,141.8	0	0	2
3	940.41	6,570.3	0	0	939.93	6,451.0	0.6	0	939.26	6,288.0	0	0	938.63	6,137.1	0.4	0	3
4	940.40	6,567.8	0.3	0	939.91	6,446.1	0.5	0	939.24	6,283.2	0	0	938.61	6,132.4	0.2	0	4
5	940.38	6,562.8	0	0	939.89	6,441.2	0.4	0	939.22	6,278.3	0	0	938.60	6,130.0	0.8	0	5
6	940.36	6,557.8	0	0	939.87	6,436.4	0.4	0	939.20	6,273.4	0.1	0	938.58	6,125.3	0	0	6
7	940.35	6,555.3	0.4	0	939.85	6,431.5	0.1	0	939.18	6,268.6	0.4	0	938.56	6,120.5	0	0	7
8	940.34	6,552.8	0.1	0	939.82	6,424.2	0	0	939.16	6,263.7	0.4	0	938.54	6,115.8	0	0	8
9	940.35	6,555.3	2.4	0	939.80	6,419.4	0.1	0	939.15	6,261.3	0.9	0	938.52	6,111.0	0.7	0	9
10	940.33	6,550.3	0	0	939.78	6,414.5	0.3	0	939.13	6,256.4	0	0	938.50	6,106.3	0.3	0	10
11	940.32	6,547.8	0.4	0	939.76	6,409.6	0.4	0	939.11	6,251.6	0	0	938.48	6,101.6	0.3	0	11
12	940.30	6,542.8	0	0	939.74	6,404.8	0.6	0	939.09	6,246.7	0	0	938.46	6,096.8	0	0	12
13	940.29	6,540.3	0.5	0	939.72	6,399.9	0.3	0	939.07	6,241.8	0	0	938.45	6,094.4	0.6	0	13
14	940.27	6,535.3	0	0	939.70	6,395.0	0.3	0	939.06	6,239.4	1.0	0	938.43	6,089.7	0	0	14
15	940.26	6,532.8	0.5	0	939.67	6,387.7	0	0	939.04	6,234.5	0	0	938.42	6,087.3	0.7	0	15
16	940.24	6,527.9	0	0	939.65	6,382.9	0.2	0	939.01	6,227.2	0	0	938.40	6,082.6	0	0	16
17	940.23	6,525.4	0.2	0	939.63	6,378.0	0.1	0	938.98	6,220.1	0	0	938.39	6,080.2	0.3	0	17
18	940.21	6,520.4	0	0	939.61	6,373.2	0	0	938.96	6,215.3	0.4	0	938.37	6,075.5	0	0	18
19	940.20	6,517.9	0.1	0	939.59	6,368.3	0.3	0	938.94	6,210.6	0.3	0	938.36	6,073.1	0.5	0	19
20	940.19	6,515.4	0.1	0	939.57	6,363.4	0.2	0	938.92	6,205.8	0	0	938.35	6,070.8	0.4	0	20
21	940.17	6,510.4	0	0	939.55	6,358.6	0.1	0	938.90	6,201.1	0.3	0	938.33	6,066.0	0	0	21
22	940.16	6,507.9	0.2	0	939.53	6,353.7	0.4	0	938.87	6,194.0	0	0	938.31	6,061.3	0	0	22
23	940.15	6,505.4	0.4	0	939.50	6,346.4	0	0	938.85	6,189.2	0.2	0	938.30	6,058.9	1.4	0	23
24	940.13	6,500.4	0	0	939.48	6,341.5	0.1	0	938.83	6,184.5	0	0	938.29	6,056.5	1.2	0	24
25	940.11	6,495.4	0	0	939.46	6,336.7	0.3	0	938.81	6,179.8	0	0	938.28	6,054.2	0.5	0	25
26	940.09	6,490.4	0	0	939.45	6,334.2	1.3	0	938.79	6,175.0	0	0	938.27	6,051.8	0.1	0	26
27	940.07	6,485.5	0	0	939.42	6,326.9	0	0	938.77	6,170.3	0	0	938.26	6,049.4	0.3	0	27
28	940.05	6,480.5	0	0	939.40	6,322.1	0.4	0	938.75	6,165.6	0	0	938.24	6,044.7	0	0	28
29	940.02	6,473.0	0	0	939.38	6,317.2	0.6	0	938.74	6,163.2	0.6	0	938.23	6,042.3	0.3	0	29
30	940.00	6,468.0	0.6	0	939.35	6,309.9	0	0	938.71	6,156.1	0	0	938.22	6,039.9	0.3	0	30
31					939.33	6,305.1	0.2	0	938.70	6,153.7	0.6	0					31
TOTAL			6.9	0			8.9	0			5.3	0			9.3	0	
Inf. Ac. Ft.			13.7				17.6				10.5				18.4	593.5	
Outf. Ac. Ft.			0 + (128.4)				0 + (180.5)				0 + (161.9)				0 + (132.2)	0 + (1,322.2)	
Maximum Mean Daily Inflow			2.4				1.3				1.0				1.4	43.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	-114.7				- 162.9				- 151.4				- 113.8			- 728.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	941.26	feet	on	4/1/64	Storage	6,783.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	938.22	feet	on	9/30/64	Storage	6,039.9	Acre Feet	G. H. SHEPHERD	Dam Tender	Gage Hts. copied	FM	RAP
Max. Peak Inf.	242.	C. F. S. from	VAR. TIMES	on	1/22/64	to	on	R. J. SARASUA	Hydrographer	Storage applied	FM	RAP
Max. Peak Outf.	NO RELEASES	C. F. S. from		on		to	on		Hydrographer	Inf. & Outf. comp.	FM	RAP

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-6BB 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

On Puddingstone Creek for the Year Ending September 30, 1965

Continuous Water Stage Recorder Au

Drainage Area 32.1 Square Miles. Capacity of Reservoir 17,091. Ac. Ft. at Spillway Elev. 970.0 Ft. as of September 1959 Gage Heights Read Daily

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	938.20	6,035.2	0	0	937.83	5,948.5	0	0	937.84	5,950.8	0	0	938.02	5,992.5	0.7	0	1
2	938.18	6,030.5	0.2	0	937.82	5,946.2	0	0	937.84	5,950.8	0.6	0	938.01	5,990.2	0	0	2
3	938.17	6,028.1	1.0	0	937.80	5,941.6	0	0	937.83	5,948.5	0	0	938.00	5,987.8	0	0	3
4	938.15	6,023.4	0.4	0	937.79	5,939.3	0.9	0	937.83	5,948.5	0.5	0	938.00	5,987.8	0.5	0	4
5	938.14	6,021.0	0.9	0	937.77	5,934.7	0.2	0	937.82	5,946.2	0	0	937.99	5,985.5	0	0	5
6	938.13	6,018.6	1.0	0	937.75	5,930.0	0	0	937.81	5,943.9	0	0	937.99	5,985.5	0.6	0	6
7	938.11	6,013.9	0	0	937.74	5,927.7	0.5	0	937.80	5,941.6	0	0	938.06	6,002.0	8.3	0	7
8	938.10	6,011.5	0.7	0	937.73	5,925.4	0	0	937.80	5,941.6	0.9	0	938.06	6,002.0	0.8	0	8
9	938.08	6,006.8	0	0	937.77	5,934.7	4.7	0	937.79	5,939.3	0	0	938.05	5,999.6	0	0	9
10	938.07	6,004.4	0.3	0	937.85	5,953.2	9.7	0	937.78	5,937.0	0	0	938.04	5,997.3	0	0	10
11	938.06	6,002.0	0.5	0	937.87	5,957.8	2.5	0	937.78	5,937.0	0.2	0	938.04	5,997.3	0.7	0	11
12	938.05	5,999.6	0.1	0	937.87	5,957.8	0.3	0	937.77	5,934.7	0	0	938.03	5,994.9	0	0	12
13	938.03	5,994.9	0	0	937.85	5,953.2	0	0	937.76	5,932.4	0	0	938.02	5,992.5	0	0	13
14	938.02	5,992.5	0	0	937.83	5,948.5	0	0	937.75	5,930.0	0.5	0	938.02	5,992.5	0.8	0	14
15	938.01	5,990.2	0.1	0	937.81	5,943.9	0	0	937.74	5,927.7	0	0	938.01	5,990.2	0	0	15
16	938.00	5,987.8	0	0	937.80	5,941.6	0.2	0	937.73	5,925.4	0	0	938.00	5,987.8	0	0	16
17	937.99	5,985.5	0.3	0	937.95	5,976.2	17.6	0	937.73	5,925.4	0.6	0	938.00	5,987.8	1.0	0	17
18	937.97	5,980.9	0	0	937.94	5,973.9	0	0	937.73	5,925.4	0	0	938.00	5,987.8	1.0	0	18
19	937.96	5,978.6	0.9	0	937.93	5,971.6	0	0	937.74	5,927.7	1.1	0	937.99	5,985.5	0	0	19
20	937.93	5,971.6	0	0	937.92	5,969.3	0	0	937.78	5,937.0	4.7	0	937.99	5,985.5	0.4	0	20
21	937.92	5,969.3	1.7	0	937.91	5,967.0	0	0	937.78	5,937.0	0.1	0	937.98	5,983.2	0	0	21
22	937.91	5,967.0	0	0	937.90	5,964.7	0	0	937.78	5,937.0		0	937.98	5,983.2	0.3	0	22
23	937.90	5,964.7	0	0	937.89	5,962.4	0	0	937.79	5,939.3	1.2	0	937.98	5,983.2	0.4	0	23
24	937.89	5,962.4	0	0	937.88	5,960.1	0	0	937.79	5,939.3	0	0	938.03	5,994.9	6.0	0	24
25	937.88	5,960.1	0	0	937.88	5,960.1	1.1	0	937.79	5,939.3	0	0	938.03	5,994.9	1.0	0	25
26	937.87	5,957.8	0	0	937.87	5,957.8	0	0	937.79	5,939.3	0	0	938.02	5,992.5	0	0	26
27	937.86	5,955.5	0	0	937.87	5,957.8	0.4	0	938.01	5,990.2	25.7	0	938.01	5,990.2	0	0	27
28	937.86	5,955.5	0.8	0	937.86	5,955.5	0	0	938.04	5,997.3	4.3	0	938.00	5,987.8	0	0	28
29	937.85	5,953.2	0	0	937.85	5,953.2	0	0	938.04	5,997.3	0.8	0	938.00	5,987.8	1.1	0	29
30	937.85	5,953.2	1.0	0	937.85	5,953.2	1.1	0	938.03	5,994.9	0	0	937.99	5,985.5	0	0	30
31	937.84	5,950.8	0	0					938.02	5,992.5	0	0	937.99	5,985.5	0.8	0	31
TOTAL			9.9	0			39.2	0			41.2	0			24.4	0	
Inf. Ac. Ft.			19.6				77.8				81.7				48.4	227.5	
Outf. Ac. Ft.			0 + (108.7)				0 + (75.4)				0 + (42.4)				0 + (55.4)	0 + (281.9)	
Maximum Mean Daily Inflow			1.7				17.6				25.7				8.3	25.7	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	- 89.1				+ 2.4				+ 39.3				- 7.0			- 54.4	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	940.81	feet	on	4/18-19/65	Storage	6,670.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	885.44	feet	on	9/30/65	Storage	197.2	Acre Feet	G. H. SHEPHERD	Dam Tender	Gage Hts. copied	FM	TS
Max. Peak Inf.	1,767.	C. F. S. from	7:45 P.M.	on	4/9/65	to	8:00 P.M. on 4/9/65	R. J. SARASUA	Hydrographer	Storage applied	FM	TS
Max. Peak Outf.	313.	C. F. S. from	4:00 P.M.	on	9/16/65	to	9:20 A.M. on 9/17/65		Hydrographer	Inf. & Outf. comp.	FM	TS

REMARKS

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

On Puddingstone Creek for the Year Ending September 30, 1965

Drainage Area 32.1 Square Miles. Capacity of Reservoir 17,091. Ac. Ft. at Spillway Elev. 970.0 Ft. as of September 1959

Continuous Water Stage Recorder Au

Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	937.98	5983.2	0	0	937.81	5943.9	0.1	0	938.30	6058.9	56.8	0	940.67	6635.1	0	0	1
2	937.97	5980.9	0	0	937.80	5941.6	0.4	0	938.51	6108.7	25.5	0	940.65	6630.1	0	0	2
3	937.97	5980.9	0.6	0	937.78	5937.0	0	0	938.63	6137.1	14.7	0	940.63	6625.1	0	0	3
4	937.97	5980.9	0.5	0	937.77	5934.7	0.8	0	938.70	6153.7	8.4	0	940.61	6620.1	0	0	4
5	937.96	5978.6	0	0	937.76	5932.4	0.3	0	938.70	6153.7	0.4	0	940.60	6617.6	0.1	0	5
6	938.01	5990.2	5.9	0	937.76	5932.4	0.8	0	938.70	6153.7	0.7	0	940.58	6612.7	0	0	6
7	938.01	5990.2	0.5	0	937.77	5934.7	2.2	0	938.71	6156.1	1.5	0	940.56	6607.7	0	0	7
8	938.00	5987.8	0	0	937.76	5932.4	0	0	939.12	6254.0	49.4	0	940.54	6602.7	0	0	8
9	937.98	5983.2	0	0	937.75	5930.0	0	0	939.88	6438.8	94.0	0	940.53	6600.2	0.9	0	9
10	937.97	5980.9	0.3	0	937.74	5927.7	0	0	940.64	6627.6	95.2	0	940.51	6595.2	0	0	10
11	937.96	5978.6	0	0	937.74	5927.7	0.6	0	940.71	6645.1	10.1	0	940.50	6592.7	0.4	0	11
12	937.95	5976.2	0	0	937.74	5927.7	0.4	0	940.73	6650.1	3.4	0	940.49	6590.2	0.2	0	12
13	937.94	5973.9	0	0	937.78	5937.0	5.1	0	940.77	6660.0	5.7	0	940.47	6585.2	0	0	13
14	937.93	5971.6	0	0	937.78	5937.0	0.9	0	940.78	6662.5	2.4	0	940.46	6582.7	0	0	14
15	937.92	5969.3	0	0	937.79	5939.3	2.0	0	940.80	6667.5	3.7	0	940.45	6580.2	0.1	0	15
16	937.91	5967.0	0.1	0	937.78	5937.0	0	0	940.80	6667.5	1.4	0	940.44	6577.7	0.4	0	16
17	937.90	5964.7	0	0	937.78	5937.0	0.5	0	940.81	6670.0	2.5	0	940.43	6575.2	0.7	0	17
18	937.90	5964.7	1.5	0	937.77	5934.7	0	0	940.81	6670.0	1.3	0	940.41	6570.3	0	0	18
19	937.89	5962.4	0.3	0	937.77	5934.7	0.8	0	940.80	6667.5	0.6	0	940.40	6567.8	0.5	0	19
20	937.88	5960.1	0.2	0	937.75	5930.0	0	0	940.80	6667.5	1.9	0	940.38	6562.8	0	0	20
21	937.88	5960.1	1.0	0	937.74	5927.7	0.5	0	940.79	6665.0	0.5	0	940.36	6557.8	0	0	21
22	937.87	5957.8	0	0	937.73	5925.4	0	0	940.78	6662.5	0.3	0	940.34	6552.8	0	0	22
23	937.86	5955.5	0	0	937.72	5923.1	0	0	940.77	6660.0	0.4	0	940.33	6550.3	0.1	0	23
24	937.85	5953.2	0.2	0	937.71	5920.8	0	0	940.76	6657.5	1.0	0	940.32	6547.8	0	0	24
25	937.84	5950.8	0.3	0	937.70	5918.5	0	0	940.75	6655.0	1.1	0	940.31	6545.3	0	0	25
26	937.83	5948.5	0.1	0	937.70	5918.5	0.7	0	940.74	6652.6	0.7	0	940.30	6542.8	0.3	0	26
27	937.83	5948.5	0.7	0	937.69	5916.2	0	0	940.72	6647.6	0	0	940.28	6537.8	0	0	27
28	937.82	5946.2	0	0	937.68	5913.9	0	0	940.71	6645.1	1.3	0	940.27	6535.3	0.7	0	28
29					937.67	5911.6	0	0	940.70	6642.6	1.0	0	940.25	6530.4	0	0	29
30					937.66	5909.3	0	0	940.69	6640.1	0.7	0	940.23	6525.4	0	0	30
31					937.82	5946.2	18.6	0					940.23	6525.4	2.0	0	31
TOTAL			12.2	0			34.7	0			386.6	0			6.4	0	
Inf. Ac. Ft.			24.2				68.8				766.8				12.7	1,100.0	
Outf. Ac. Ft.			0 + (63.5)				0 + (68.8)				0 + (72.9)				0 + (127.4)	0 + (614.5)	
Maximum Mean Daily Inflow			5.9				5.1				95.2				2.0	95.2	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change			- 39.3				0				+ 693.9				- 114.7	+ 485.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	940.81	feet	on	4/18-19/65	Storage	6,670.0	Acre Feet				
Min. W. S. Elev.	885.44	feet	on	9/30/65	Storage	197.2	Acre Feet				
Max. Peak Inf.	1,767.	C. F. S. from	7:45 P.M.	on	4/9/65	to	8:00 P.M.	on	4/9/65		
Max. Peak Outf.	313.	C. F. S. from	4:00 P.M.	on	9/16/65	to	9:20 A.M.	on	9/17/65		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
G. H. SHEPHERD	Dam Tender	Gage Hts. copied	FM TS	
R. J. SARASUA	Hydrographer	Storage applied	FM TS	
	Hydrographer	Inf. & Outf. comp.	FM TS	

REMARKS

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

On Puddingstone Creek for the Year Ending September 30, 1965

Drainage Area 32.1 Square Miles. Capacity of Reservoir 17,091. Ac. Ft. at Spillway Elev. 970.0 Ft. as of September 1959

Continuous Water Stage Recorder Au

Gage Heights Read Daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	940.22	6522.9	0	0	939.82	6424.2	0	0	939.27	6290.5	0	0	938.66	6144.2	0		1
2	940.20	6517.9	0	0	939.80	6419.4	0.2	0	939.25	6285.6	0	0	938.65	6141.9	0		2
3	940.19	6515.4	0	0	939.79	6416.9	1.7	0	939.23	6280.7	0	0	938.63	6137.1	0		3
4	940.18	6512.9	0	0	939.77	6412.1	0.1	0	939.21	6275.9	0	0	938.62	6134.7	0		4
5	940.17	6510.4	0	0	939.75	6407.2	0.3	0	939.19	6271.0	0	0	938.61	6132.4	0		5
6	940.16	6507.9	0.3	0	939.73	6402.3	0.1	0	939.17	6266.1	0	0	938.59	6127.6	0		6
7	940.14	6502.9	0	0	939.70	6395.0	0	0	939.15	6261.3	0	0	938.47	6099.2	0	13.2	7
8	940.13	6500.4	0	0	939.68	6390.2	0.2	0	939.13	6256.4	0	0	938.45	6094.5	0	0.3	8
9	940.12	6497.9	0.3	0	939.66	6385.3	0	0	939.11	6251.6	0.5	0	938.43	6089.7	0	0.3	9
10	940.10	6492.9	0	0	939.64	6380.4	0	0	939.09	6246.7	0	0	938.42	6087.3	0	0.3	10
11	940.09	6490.4	0.6	0	939.62	6375.6	0	0	939.07	6241.8	0.3	0	938.40	6082.6	0	0.3	11
12	940.08	6488.0	0.1	0	939.60	6370.7	0	0	939.04	6234.5	0	0	938.38	6077.9	0	0.3	12
13	940.07	6485.5	0.1	0	939.58	6365.9	0	0	939.02	6229.7	0.4	0	938.36	6073.1	0	0.3	13
14	940.05	6480.5	0	0	939.56	6361.0	0	0	939.00	6224.8	0.7	0	938.35	6070.8	0	0.3	14
15	940.05	6480.5	1.0	0	939.54	6356.1	0	0	938.98	6220.1	0	0	937.71	5920.8	93.1	168.5	15
16	940.03	6475.5	0	0	939.52	6351.3	0	0	938.96	6215.3	0.1	0	936.42	5626.4	151.8	305.4	16
17	940.01	6470.5	0	0	939.50	6346.4	0	0	938.94	6210.6	0	0	935.08	5330.3	153.3	309.3	17
18	940.00	6468.0	0.4	0	939.48	6341.5	0.1	0	938.92	6205.8	0	0	934.92	5295.8	152.4	190.7	18
19	939.99	6465.6	0.4	0	939.46	6336.7	0.1	0	938.90	6201.1	0	0	936.31	5601.7	150.6	4.9	19
20	939.97	6460.7	0	0	939.44	6331.8	0	0	938.88	6196.4	0	0	934.19	5140.3	69.3	301.6	20
21	939.95	6455.8	0	0	939.43	6329.4	1.3	0	938.86	6191.6	0	0	931.23	4547.4	0	298.5	21
22	939.94	6453.4	0.4	0	939.40	6322.1	0	0	938.84	6186.9	0	0	928.00	3961.6	0	295.4	22
23	939.93	6451.0	0	0	939.38	6317.2	0	0	938.82	6182.1	0	0	924.49	3389.7	0	287.7	23
24	939.92	6448.5	0	0	939.37	6314.8	1.4	0	938.81	6179.8	0.9	0	920.48	2818.7	0	282.2	24
25	939.91	6446.1	0	0	939.35	6309.9	0	0	938.79	6175.0	0	0	916.27	2296.9	0	265.9	25
26	939.90	6443.7	0	0	939.34	6307.5	0.6	0	938.77	6170.3	0.5	0	911.85	1820.3	0	237.0	26
27	939.88	6438.8	0	0	939.31	6300.2	0	0	938.75	6165.6	0.1	0	906.75	1350.4	0	229.8	27
28	939.86	6434.0	0	0	939.29	6295.3	0.5	0	938.73	6160.8	0	0	900.15	863.2	0	223.0	28
29	939.85	6431.5	0.7	0	939.28	6292.9	0.9	0	938.72	6158.4	1.3	0	890.72	367.5	0	239.8	29
30	939.84	6429.1	0.8	0	939.30	6297.8	4.3	0	938.70	6153.7	0	0	885.44	197.2	0	76.5	30
31					939.29	6295.3	1.0	0	938.69	6151.3	1.0	0					31
TOTAL			5.1	0			12.8	0			5.8	0			770.5	3,731.5	
Inf. Ac. Ft.			10.1				25.4				11.5				1/ 1,528.3 + (118.4)	2,675.3 + (118.4)	
Outf. Ac. Ft.			0 + (106.4)				0 + (159.2)				0 + (155.5)				7,401.3 + (199.5)	7,401.3 + (1,235.1)	
Maximum Mean Daily Inflow			1.0				4.3				1.3				153.3	153.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change			- 96.3				- 133.8				- 144.0				- 5,954.1	- 5,842.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	940.81	feet	on	4/18-19/65	Storage	6,670.0	Acre Feet				
Min. W. S. Elev.	885.44	feet	on	9/30/65	Storage	197.2	Acre Feet				
Max. Peak Inf.	1,767.	C. F. S. from	7:45 P.M.	on	4/9/65	to	8:00 P.M.	on	4/9/65		
Max. Peak Outf.	313.	C. F. S. from	4:00 P.M.	on	9/16/65	to	9:20 A.M.	on	9/17/65		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
G. H. SHEPHERD	Dam Tender	Gage Hts. copied	FM TS	
R. J. SARASUA	Hydrographer	Storage applied	FM TS	
	Hydrographer	Inf. & Outf. comp.	FM TS	

REMARKS

1/ BANK STORAGE PLUS INFLOW

76D138N-668 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In Live Oak Canyon for the Year Ending September 30, 19 64

Continuous Water Stage Recorder Au

Drainage Area 2.28 Square Miles. Capacity of Reservoir 159.5 Ac. Ft. at Spillway Elev. 1,496.4 Ft. as of January 19 64 Gage Heights Read at various times

Day	October Gage Height	October Acre Ft. Storage	October C. F. S. Inflow	October C. F. S. Outflow	November Gage Height	November Acre Ft. Storage	November C. F. S. Inflow	November C. F. S. Outflow	December Gage Height	December Acre Ft. Storage	December C. F. S. Inflow	December C. F. S. Outflow	January Gage Height	January Acre Ft. Storage	January C. F. S. Inflow	January C. F. S. Outflow	Day
1	1432.8	0	0	0	1435.2	+	0	+	1435.2	+	0	0	1435.2	+	0	0	1
2			0	0			0				0	0			0	0	2
3			0	0			0				0	0			0	0	3
4			0	0			0				0	0			0	0	4
5			0	0			0				0	0			0	0	5
6			0	0			0				0	0			0	0	6
7			0	0			0				0	0			0	0	7
8			0	0			0				0	0			0	0	8
9			0	0			0				0	0			0	0	9
10			0	0			0				0	0			0	0	10
11			0	0			0				0	0			0	0	11
12			0	0			0				0	0			0	0	12
13			0	0			0				0	0			0	0	13
14		NO STORAGE	0	0			0				0	0			0	0	14
15			0	0			0				0	0			0	0	15
16			0	0			0				0	0			0	0	16
17			0	0			0				0	0			0	0	17
18			0	0			0				0	0			0	0	18
19			0	0			0				0	0			0	0	19
20			0	0			0				0	0	1435.2	+	0	0	20
21			0	0			0				0	0	1445.1	1.6	0.8	0	21
22			0	0			0				0	0	1446.8	2.3	0.4	0	22
23			0	0			0				0	0	1446.5	2.1	0	0	23
24			0	0			0				0	0	1446.3	2.0	0	0	24
25			0	0			0				0	0	1446.1	1.9	0	0	25
26			0	0			0				0	0	1446.0	1.9	0	0	26
27			0	0			0				0	0	1445.8	1.8	0	0	27
28			0	0			0				0	0	1445.7	1.8	0	0	28
29			0	0			0				0	0	1445.6	1.8	0	0	29
30	1432.8	0	0	0	1435.2	+	0	+			0	0	1445.5	1.7	0	0	30
31	1435.2	+	+	0					1435.2	+	0	0	1445.4	1.7	0	0	31
TOTAL			+	0			0	+			0	0			1.2	0	
Inf. Ac. Ft.			+				0				0				2.4	2.4	
Outf. Ac. Ft.			0				+				0				0 + (0.7)	0 + (0.7)	
MAXIMUM Mean Daily Inflow			+				0				0				0.8	0.8	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change			+				+				+				+ 1.7		

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,448.0	feet	on	4/1/64	Storage	2.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,432.8	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	G. H. SHEPHERD	Dam Tender	Gage Hts. copied	RAP TS	
Max. Peak Inf.	6.2	C. F. S. from	8:00 P.M.	on	3/2/64	to	8:40 P.M.	on	3/22/64	R. J. SARASUA	Hydrographer	Storage applied	RAP TS	
Max. Peak Outf.	NO RELEASES	C. F. S. from		on		to		on			Hydrographer	Inf. & Outf. comp.	RAP TS	

REMARKS + = 0.05 CFS OR LESS
( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-668 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In Live Oak Canyon for the Year Ending September 30, 19 64

Continuous Water Stage Recorder Au

Drainage Area 2.28 Square Miles. Capacity of Reservoir 159.5 Ac. Ft. at Spillway Elev. 1,496.4 Ft. as of January 19 64 Gage Heights Read at various times

Day	February Gage Height	February Acre Ft. Storage	February C. F. S. Inflow	February C. F. S. Outflow	March Gage Height	March Acre Ft. Storage	March C. F. S. Inflow	March C. F. S. Outflow	April Gage Height	April Acre Ft. Storage	April C. F. S. Inflow	April C. F. S. Outflow	May Gage Height	May Acre Ft. Storage	May C. F. S. Inflow	May C. F. S. Outflow	Day
1	1,445.3	1.6	0	0	1,444.2	1.3	0	0	1,448.0	2.9	0.4	0	1,444.8	1.5	0	0	1
2	1,445.2	1.6	0	0	1,444.2	1.3	0	0	1,447.9	2.8	0	0	1,444.8	1.5	0	0	2
3	1,445.1	1.6	0	0	1,444.2	1.3	0	0	1,447.8	2.8	0	0	1,444.8	1.5	0	0	3
4	1,445.0	1.5	0	0	1,444.2	1.3	0	0	1,447.7	2.7	0	0	1,444.8	1.5	0	0	4
5	1,445.0	1.5	0	0	1,444.2	1.3	0	0	1,447.6	2.7	0	0	1,444.8	1.5	0	0	5
6	1,444.9	1.5	0	0	1,444.2	1.3	0	0	1,447.5	2.6	0	0	1,444.9	1.5	0	0	6
7	1,444.8	1.5	0	0	1,444.2	1.3	0	0	1,447.2	2.4	0	0	1,444.9	1.5	0	0	7
8	1,444.8	1.5	0	0	1,444.2	1.3	0	0	1,446.9	2.3	0	0	1,444.8	1.5	0	0	8
9	1,444.7	1.4	0	0	1,444.2	1.3	0	0	1,446.5	2.1	0	0	1,444.8	1.5	0	0	9
10	1,444.6	1.4	0	0	1,444.1	1.3	0	0	1,446.3	2.0	0	0	1,444.8	1.5	0	0	10
11	1,444.6	1.4	0	0	1,444.1	1.3	0	0	1,446.1	1.9	0	0	1,444.8	1.5	0	0	11
12	1,444.5	1.4	0	0	1,444.1	1.3	0	0	1,446.0	1.9	0	0	1,444.8	1.5	0	0	12
13	1,444.5	1.4	0	0	1,444.1	1.3	0	0	1,445.8	1.8	0	0	1,444.7	1.4	0	0	13
14	1,444.4	1.4	0	0	1,444.1	1.3	0	0	1,445.7	1.8	0	0	1,444.7	1.4	0	0	14
15	1,444.4	1.4	0	0	1,444.1	1.3	0	0	1,445.5	1.7	0	0	1,444.7	1.4	0	0	15
16	1,444.4	1.4	0	0	1,444.1	1.3	0	0	1,445.4	1.7	0	0	1,444.7	1.4	0	0	16
17	1,444.4	1.4	0	0	1,444.1	1.3	0	0	1,445.3	1.6	0	0	1,444.6	1.4	0	0	17
18	1,444.4	1.4	0	0	1,444.1	1.3	0	0	1,445.3	1.6	0	0	1,444.6	1.4	0	0	18
19	1,444.3	1.3	0	0	1,444.0	1.2	0	0	1,445.2	1.6	0	0	1,444.6	+	0	0	19
20	1,444.3	1.3	0	0	1,444.0	1.2	0	0	1,445.1	1.6	0	0	1,444.5	1.4	0	0	20
21	1,444.3	1.3	0	0	1,444.0	1.2	0	0	1,445.1	1.5	0	0	1,444.5	1.4	0	0	21
22	1,444.3	1.3	0	0	1,447.3	2.5	0.7	0	1,445.0	1.5	0	0	1,444.5	1.4	0	0	22
23	1,444.2	1.3	0	0	1,447.8	2.7	0.1	0	1,445.0	1.5	0	0	1,444.5	1.4	0	0	23
24	1,444.2	1.3	0	0	1,447.8	2.7	0	0	1,444.9	1.5	0	0	1,444.5	1.4	0	0	24
25	1,444.2	1.3	0	0	1,447.8	2.7	0	0	1,444.9	1.5	0	0	1,444.4	1.4	0	0	25
26	1,444.2	1.3	0	0	1,447.6	2.7	0	0	1,444.9	1.5	0	0	1,444.4	1.4	0	0	26
27	1,444.2	1.3	0	0	1,447.2	2.4	0	0	1,444.9	1.5	0	0	1,444.4	1.4	0	0	27
28	1,444.2	1.3	0	0	1,446.7	2.2	0	0	1,444.9	1.5	0	0	1,444.4	1.4	0	0	28
29	1,444.2	1.3	0	0	1,446.4	2.1	0	0	1,444.9	1.5	0	0	1,444.4	1.4	0	0	29
30					1,446.2	2.0	0	0	1,444.9	1.5	0	0	1,444.4	1.4	0	0	30
31					1,446.5	2.1	0	0					1,444.3	1.3	0	0	31
TOTAL			0	0			0.8	0			0.4	0			0	0	
Inf. Ac. Ft.			0				1.6				0.8				0	4.8	
Outf. Ac. Ft.			0 + (0.3)				0 + (0.8)				0 + (1.4)				0 + (0.2)	0 + (3.4)	
MAXIMUM Mean Daily Inflow			0				0.7				0.4				0	0.8	
Minimum Mean Daily Inflow			0				0.1				0				0	0	
Storage Change			- 0.3				+ 0.8				- 0.6				- 0.2	+ 1.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,448.0	feet	on	4/1/64	Storage	2.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,432.8	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	G. H. SHEPHERD	Dam Tender	Gage Hts. copied	RAP TS	
Max. Peak Inf.	6.2	C. F. S. from	8:00 P.M.	on	3/22/64	to	9:40 P.M.	on	3/22/64	R. J. SARASUA	Hydrographer	Storage applied	RAP TS	
Max. Peak Outf.	NO RELEASES	C. F. S. from		on		to		on			Hydrographer	Inf. & Outf. comp.	RAP TS	

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

760138N-688 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In Live Oak Canyon for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 2.28 Square Miles. Capacity of Reservoir 159.5 Ac. Ft. at Spillway Elev. 1,496.4 Ft. as of January 1964 Gage Heights Read at various times

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	1,444.3	1.3	0	+	1435.2	+	0	0	1435.2	+	0	0	1435.2	+	0	0	1
2	1,444.3	1.3	0	0	1435.2	+	0	0			0	0			0	0	2
3	1,444.3	1.3	0	0	1432.8	0	0	0			0	0			0	0	3
4	1,444.3	1.3	0	0			0	0			0	0			0	0	4
5	1,444.3	1.3	0	0			0	0			0	0			0	0	5
6	1,444.2	1.3	0	0			0	0			0	0			0	0	6
7	1,444.2	1.3	0	0			0	0			0	0			0	0	7
8	1,444.2	1.3	0	0			0	0			0	0			0	0	8
9	1,444.2	1.3	0	0			0	0			0	0			0	0	9
10	1,444.2	1.3	0	0			0	0			0	0			0	0	10
11	1,444.2	1.3	0	0			0	0			0	0			0	0	11
12	1,444.2	1.3	0	0			0	0			0	0			0	0	12
13	1,444.1	1.3	0	0			0	0			0	0			0	0	13
14	1,444.1	1.3	0	0			0	0			0	0			0	0	14
15	1,444.1	1.3	0	0			0	0			0	0			0	0	15
16	1,444.0	1.2	0	0			0	0			0	0			0	0	16
17	1,444.0	1.2	0	0			0	0			0	0			0	0	17
18	1,443.2	1.0	0	0			0	0			0	0			0	0	18
19	1,443.1	1.0	0	0			0	0			0	0			0	0	19
20	1,443.0	1.0	0	0			0	0			0	0			0	0	20
21	1,442.9	0.9	0	0			0	0			0	0			0	0	21
22	1,442.8	0.9	0	0			0	0			0	0			0	0	22
23	1,442.7	0.9	0	0			0	0			0	0			0	0	23
24	1,442.6	0.9	0	0			0	0			0	0			0	0	24
25	1,442.6	0.9	0	0			0	0			0	0			0	0	25
26	1,442.4	0.8	0	0			0	0			0	0			0	0	26
27	1,442.2	0.8	0	0			0	0			0	0			0	0	27
28	1,442.0	0.8	0	0			0	0			0	0			0	0	28
29	1,441.8	0.7	0	0			0	0			0	0			0	0	29
30	1,441.6	0.7	0	0			0	0			0	0	1435.2	+	0	0	30
31					1432.8	0	0	0	1435.2	+	0	0					31
TOTAL			0	+			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	4.8	
Outf. Ac. Ft.			0 + (0.6)				0				0				0	0 + (4.0)	
Maximum Mean Daily Inflow			0				0				0				0	0.8	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		− 0.6				− +				0				0		+	

NO STORAGE

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,448.0	feet	on	4/1/64	Storage	2.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,432.8	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	G. H. SHEPHERD	Dam Tender	Gage Hts. copied	FM TS	
Max. Peak Inf.	6.2	C. F. S. from	8:00 P.M.	on	3/22/64	to	8:40 P.M.	on	3/22/64	R. J. SARASUA	Hydrographer	Storage applied	FM TS	
Max. Peak Outf.	NO RELEASES	C. F. S. from		on		to		on			Hydrographer	Inf. & Outf. comp.	FM TS	

REMARKS + = 0.05 CFS OR LESS
( ) INDICATES EVAPORATION AND OTHER LOSSES

760138N-688 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In Live Oak Canyon for the Year Ending September 30, 1965

Continuous Water Stage Recorder Au

Drainage Area 2.28 Square Miles. Capacity of Reservoir 242.8 Ac. Ft. at Spillway Elev. 1,496.4 Ft. as of January 1964 Gage Heights Read at Various Times

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	1432.8	0	0	0	1432.8	0	0	0	1442.1	0.8	0	0	1442.3	0.8	0	0	1
2			0	0			0	0	1442.1	0.8	0	0	1442.3	0.8	0	0	2
3			0	0			0	0	1442.1	0.8	0	0	1442.2	0.8	0	0	3
4			0	0			0	0	1442.1	0.8	0	0	1442.2	0.8	0	0	4
5			0	0			0	0	1442.1	0.8	0	0	1442.2	0.8	0	0	5
6			0	0			0	0	1442.1	0.8	0	0	1442.3	0.8	0	0	6
7			0	0			0	0	1442.1	0.8	0	0	1442.4	0.8	0	0	7
8			0	0			0	0	1442.1	0.8	0	0	1442.4	0.8	0	0	8
9			0	0	1432.8	0	0	0	1442.1	0.8	0	0	1442.3	0.8	0	0	9
10			0	0	1433.1	+	+	0	1442.1	0.8	0	0	1442.3	0.8	0	0	10
11			0	0	1435.2	+	0	0	1442.1	0.8	0	0	1442.3	0.8	0	0	11
12			0	0	1437.2	0.1	0.1	0	1442.1	0.8	0	0	1442.2	0.8	0	0	12
13			0	0	1437.2	0.1	0	0	1442.1	0.8	0	0	1442.2	0.8	0	0	13
14			0	0	1437.2	0.1	0	0	1442.1	0.8	0	0	1442.2	0.8	0	0	14
15			0	0	1437.2	0.1	0	0	1442.1	0.8	0	0	1442.2	0.8	0	0	15
16			0	0	1437.2	0.1	0	0	1442.1	0.8	0	0	1442.2	0.8	0	0	16
17			0	0	1442.5	0.9	0.4	0	1442.1	0.8	0	0	1442.2	0.8	0	0	17
18			0	0	1442.3	0.8	0	0	1442.1	0.8	0	0	1442.2	0.8	0	0	18
19			0	0	1442.3	0.8	0	0	1442.1	0.8	0	0	1442.3	0.8	0	0	19
20			0	0	1442.3	0.8	0	0	1442.1	0.8	0	0	1442.4	0.8	0	0	20
21			0	0	1442.3	0.8	0	0	1442.1	0.8	0	0	1442.4	0.8	0	0	21
22			0	0	1442.3	0.8	0	0	1442.1	0.8	0	0	1442.4	0.8	0	0	22
23			0	0	1442.3	0.8	0	0	1442.1	0.8	0	0	1442.4	0.8	0	0	23
24			0	0	1442.2	0.8	0	0	1442.1	0.8	0	0	1442.3	0.8	0	0	24
25			0	0	1442.2	0.8	0	0	1442.1	0.8	0	0	1442.3	0.8	0	0	25
26			0	0	1442.2	0.8	0	0	1442.6	0.9	0.1	0	1442.3	0.8	0	0	26
27			0	0	1442.2	0.8	0	0	1442.6	0.9	0	0	1442.3	0.8	0	0	27
28			0	0	1442.2	0.8	0	0	1442.6	0.9	0	0	1442.4	0.8	0	0	28
29			0	0	1442.2	0.8	0	0	1442.4	0.8	0	0	1442.4	0.8	0	0	29
30			0	0	1442.2	0.8	0	0	1442.3	0.8	0	0	1442.4	0.8	0	0	30
31	1432.8	0	0	0	1442.1	0.8	0	0	1442.3	0.8	0	0	1442.4	0.8	0	0	31
TOTAL			0	0			0.5	0			0.1	0			0	0	
Inf. Ac. Ft.			0				1.0				0.2				0	1.2	
Outf. Ac. Ft.			0				0 + (0.2)				0 + (0.2)				0	0 + (0.4)	
Maximum Mean Daily Inflow			0				0.4				0.1				0	0.4	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				+ 0.8				0				0		+ 0.8	

NO STORAGE

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,459.0	feet	on	4/10/65	Storage	17.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,432.8	feet	on	VARIOUS TIMES	Storage	0	Acre Feet	G. H. SHEPHERD	Dam Tender	Gage Hts. copied	TS JL	
Max. Peak Inf.	57.6	C. F. S. from	7:15 P.M.	on	4/9/65	to	7:30 P.M.	on	4/9/65	R. J. SARASUA	Hydrographer	Storage applied	TS JL	
Max. Peak Outf.	1.1	C. F. S. from	12:30 P.M.	on	4/15/65	to	MID.	on	4/15/65		Hydrographer	Inf. & Outf. comp.	TS JL	

REMARKS

760136N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In Live Oak Canyon for the Year Ending September 30, 19 65

Continuous Water Stage Recorder Au

Drainage Area 2.28 Square Miles. Capacity of Reservoir 242.8 Ac. Ft. at Spillway Elev. 1,496.4 Ft. as of January 19 64 Gage Heights Read at Various Times

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,442.4	0.8	0	0	1,442.3	0.8	0	0	1,443.7	1.2	0.2	+	1,445.9	1.9	0	+	1
2	1,442.4	0.8	0	0	1,442.3	0.8	0	0	1,443.8	1.2	0	+	1,445.9	1.9	0		2
3	1,442.3	0.8	0	0	1,442.3	0.8	0	0	1,443.2	1.0	0	0.1	1,445.9	1.9	0		3
4	1,442.3	0.8	0	0	1,442.3	0.8	0	0	1,442.9	1.0	0	+	1,446.0	1.9	0		4
5	1,442.3	0.8	0	0	1,442.3	0.8	0	0	1,442.8	0.9	0	0.1	1,446.0	1.9	0		5
6	1,442.3	0.8	0	0	1,442.4	0.8	0	0	1,442.6	0.9	0	+	1,446.1	1.9	0		6
7	1,442.4	0.8	0	0	1,442.4	0.8	0	0	1,442.6	0.9	0		1,446.1	1.9	0		7
8	1,442.4	0.8	0	0	1,442.4	0.8	0	0	1,443.9	1.2	0.2		1,446.1	1.9	0		8
9	1,442.4	0.8	0	0	1,442.4	0.8	0	0	1,457.7	14.7	6.8		1,446.1	1.9	0		9
10	1,442.4	0.8	0	0	1,442.4	0.8	0	0	1,459.0	17.5	1.4	+	1,446.1	1.9	0		10
11	1,442.4	0.8	0	0	1,442.4	0.8	0	0	1,458.9	17.3	0	0.1	1,446.1	1.9	0		11
12	1,442.4	0.8	0	0	1,442.4	0.8	0	0	1,458.9	17.3	0	+	1,446.1	1.9	0		12
13	1,442.4	0.8	0	0	1,442.4	0.8	0	0	1,458.8	17.1	0	0.1	1,446.2	2.0	0.1		13
14	1,442.4	0.8	0	0	1,442.4	0.8	0	0	1,457.4	14.1	0	1.1	1,446.2	2.0	0		14
15	1,442.4	0.8	0	0	1,442.4	0.8	0	0	1,452.7	6.8	0	2.8	1,446.2	2.0	0		15
16	1,442.4	0.8	0	0	1,442.4	0.8	0	0	1,445.5	1.7	0	2.1	1,446.3	2.0	0		16
17	1,442.4	0.8	0	0	1,442.4	0.8	0	0	1,445.7	1.8	0.2	0.1	1,446.3	2.0	0		17
18	1,442.4	0.8	0	0	1,442.4	0.8	0	0	1,445.8	1.8	0	+	1,446.3	2.0	0		18
19	1,442.4	0.8	0	0	1,442.4	0.8	0	0	1,445.9	1.9	0		1,446.3	2.0	0		19
20	1,442.4	0.8	0	0	1,442.4	0.8	0	0	1,445.9	1.9	0		1,446.3	2.0	0		20
21	1,442.4	0.8	0	0	1,442.4	0.8	0	0	1,445.9	1.9	0		1,446.3	2.0	0		21
22	1,442.4	0.8	0	0	1,442.4	0.8	0	0	1,445.9	1.9	0		1,446.3	2.0	0		22
23	1,442.4	0.8	0	0	1,442.4	0.8	0	0	1,445.9	1.9	0		1,446.4	2.1	0.1		23
24	1,442.4	0.8	0	0	1,442.4	0.8	0	0	1,445.9	1.9	0		1,446.4	2.1	0		24
25	1,442.4	0.8	0	0	1,442.4	0.8	0	0	1,445.9	1.9	0		1,446.4	2.1	0		25
26	1,442.4	0.8	0	0	1,442.4	0.8	0	0	1,445.9	1.9	0	+	1,446.4	2.1	0	+	26
27	1,442.4	0.8	0	0	1,442.4	0.8	0	0	1,445.8	1.8	0	0.1	1,446.3	2.0	0	0.1	27
28	1,442.3	0.8	0	0	1,442.4	0.8	0	0	1,445.8	1.8	0	+	1,446.3	2.0	0	+	28
29					1,442.4	0.8	0	0	1,445.8	1.8	0	+	1,446.3	2.0	0		29
30					1,442.4	0.8	0	0	1,445.9	1.9	0	+	1,446.2	2.0	0		30
31					1,442.8	0.9	0.1	0					1,446.3	2.0	0	+	31
TOTAL			0	0			0.1	0			8.8	6.6			0.2	0.1	
Inf. Ac. Ft.			0				0.2				17.5				0.4	19.9	
Outf. Ac. Ft.			0				0				13.0 + (3.6)				0.2	13.2 + (4.0)	
Maximum Mean Daily Inflow			0				0				6.8				0.1	6.8	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0					+ 0.1				+ 1.0				± 0.1		+ 2.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,459.0	feet	on	4/10/65	Storage	17.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,432.8	feet	on	VARIOUS TIMES	Storage	0	Acre Feet	G. H. SHEPHERD	Dam Tender	Gage Hts. copied	FM	JL
Max. Peak Inf.	57.6	C. F. S. from	7:15 P.M.	on	4/9/65	to	7:30 P.M.	on	4/9/65	R.J. SARASUA	Hydrographer	Storage applied	FM	JL
Max. Peak Outf.	1.1	C. F. S. from	12:30 P.M.	on	4/15/65	to	MID.	on	4/15/65		Hydrographer	Inf. & Outf. comp.	FM	JL

REMARKS

760139N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In Live Oak Canyon for the Year Ending September 30, 19 65

Continuous Water Stage Recorder Au

Drainage Area 2.28 Square Miles. Capacity of Reservoir 242.8 Ac. Ft. at Spillway Elev. 1,496.4 Ft. as of January 19 64 Gage Heights Read at Various Times

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,446.3	2.0	0	0	1,432.9	+	0	0	1,432.8	0	0	0	1,432.8	0	0	0	1
2	1,446.4	2.1	0.1	0			0	0			0	0			0	0	2
3	1,446.4	2.1	0	0			0	0			0	0			0	0	3
4	1,446.4	2.1	0	0			0	0			0	0			0	0	4
5	1,446.4	2.1	0	0			0	0			0	0			0	0	5
6	1,446.4	2.1	0	0			0	0			0	0			0	0	6
7	1,446.4	2.1	0	0			0	0			0	0			0	0	7
8	1,446.4	2.1	0	0		POOL	0	0			0	0			0	0	8
9	1,446.4	2.1	0	0			0	0			0	0			0	0	9
10	1,446.4	2.1	0	0			0	0			0	0			0	0	10
11	1,446.3	2.0	0	0			0	0			0	0			0	0	11
12	1,446.3	2.0	0	0			0	0			0	0			0	0	12
13	1,446.3	2.0	0	0			0	0			0	0			0	0	13
14	1,446.3	2.0	0	0			0	0		NO STORAGE	0	0		NO STORAGE	0	0	14
15	1,446.4	2.1	0.1	0			0	0			0	0			0	0	15
16	1,446.4	2.1	0	0			0	0			0	0			0	0	16
17	1,446.5	2.1	0	0			0	0			0	0			0	0	17
18	1,446.5	2.1	0	0			0	0			0	0			0	0	18
19	1,446.5	2.1	0	0			0	0			0	0			0	0	19
20	1,446.5	2.1	0	0			0	0			0	0			0	0	20
21	1,446.4	2.1	0	0			0	0			0	0			0	0	21
22	1,446.4	2.1	0	0			0	0			0	0			0	0	22
23	1,446.4	2.1	0	0			0	0			0	0			0	0	23
24	1,444.9	1.5	0.1	0.4			0	0			0	0			0	0	24
25	1,432.9	+	0	0.5			0	0			0	0			0	0	25
26		+	0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28		POOL	0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30	1,432.9	+	0	0			0	0			0	0	1,432.8	0	0	0	30
31					1,432.9	+	0	0	1,432.8	0	0	0					31
TOTAL			0.3	0.9			0	0			0	0			0	0	
Inf. Ac. Ft.			0.6				0				0				0	19.9	
Outf. Ac. Ft.			1.8 + (0.8)				0				0				0	15.0 + (4.8)	
Maximum Mean Daily Inflow			0.1				0				0				0	6.8	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	− 2.0					0				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,459.0	feet	on	4/10/65	Storage	17.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,432.8	feet	on	VARIOUS TIMES	Storage	0	Acre Feet	G. H. SHEPHERD	Dam Tender	Gage Hts. copied	FM	JL
Max. Peak Inf.	57.6	C. F. S. from	7:15 P.M.	on	4/9/65	to	7:30 P.M.	on	4/9/65	R. J. SARASUA	Hydrographer	Storage applied	FM	JL
Max. Peak Outf.	1.1	C. F. S. from	12:30 P.M.	on	4/15/65	to	MID.	on	4/15/65		Hydrographer	Inf. & Outf. comp.	FM	JL

REMARKS

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

On Thompson Creek for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 3.51 Square Miles. Capacity of Reservoir 554.1 Ac. Ft. at Spillway Elev. 1,634.1 Ft. as of July 1962 Gage Heights Read at various times

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1,587.0	0	0	0	1,587.0	0	0	0	1,587.0	0	0	0	1,587.0	0	0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0	1,587.0	0	0	0			0	0			0	0	19
20			0	0	1,587.1	+	+	0			0	0	1,587.0	0	0	0	20
21			0	0			0	0			0	0	1,591.7	8.3	4.2	0	21
22			0	0			0	0			0	0	1,592.7	11.4	2.0	0	22
23			0	0			0	0			0	0	1,592.6	11.0	0	0	23
24			0	0			0	0			0	0	1,592.4	10.4	0	0	24
25			0	0			0	0			0	0	1,592.1	9.5	0	0	25
26			0	0			0	0			0	0	1,591.8	8.6	0	0	26
27			0	0			0	0			0	0	1,591.5	7.7	0	0	27
28			0	0			0	0			0	0	1,591.4	7.4	0	0	28
29			0	0	1,587.1	+	0	0			0	0	1,591.3	7.1	0	0	29
30			0	0	1,587.0	0	0	0			0	0	1,591.2	6.8	0	0	30
31	1,587.0	0	0	0					1,587.0	0	0	0	1,591.1	6.6	0	0	31
TOTAL			0	0			+	0			0	0			6.2	0	
Inf. Ac. Ft.			0				+				0				12.3	12.3	
Outf. Ac. Ft.			0				0				0				0 + (5.7)	0 + (5.7)	
Maximum Mean Daily Inflow			0				0				0				4.2	4.2	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				0				+ 6.6		+ 6.6	

NO STORAGE

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev. 1,592.8 feet on 1/22/64 Storage 11.7 Acre Feet

Min. W. S. Elev. DRY feet on VARIOUS TIMES Storage Acre Feet

Max. Peak Inf. 20.1 C.F.S. from 8:30 P.M. on 3/22/64 to 9:00 P.M. on 3/22/64

Max. Peak Outf. NO RELEASES C.F.S. from on to on

REMARKS + = 0.05 CFS OR LESS

( ) INDICATES EVAPORATION AND OTHER LOSSES

RECORDS COLLECTED BY

R. L. SONNICHSEN Dam Tender

R. J. SARASUA Hydrographer

Hydrographer

COMPUTATIONS ckd. Date

Gage Hts. copied RAP AJF 7/6/64

Storage applied RAP AJF 7/6/64

Inf. & Outf. comp. RAP AJF 7/6/64

76D138N-68B 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

On Thompson Creek for the Year Ending September 30, 1964

Continuous Water Stage Recorder Au

Drainage Area 3.51 Square Miles. Capacity of Reservoir 554.1 Ac. Ft. at Spillway Elev. 1,634.1 Ft. as of July 1962 Gage Heights Read at various times

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1,591.0	6.3	0	0	1,588.3	0.8	0	0	1,591.8	8.6	1.6	0	1,589.6	2.9	0	0	1
2	1,590.9	6.0	0	0	1,588.2	0.7	0	0	1,591.9	8.9	0.3	0	1,589.4	2.6	0	0	2
3	1,590.8	5.8	0	0	1,588.1	0.6	0	0	1,591.8	8.6	0	0	1,589.2	2.2	0	0	3
4	1,590.7	5.5	0	0	1,588.0	0.5	0	0	1,591.7	8.3	0	0	1,589.0	1.8	0	0	4
5	1,590.6	5.2	0	0	1,587.9	0.4	0	0	1,591.6	8.0	0	0	1,588.8	1.5	0	0	5
6	1,590.6	5.2	0	0	1,587.8	0.4	0	0	1,591.5	7.7	0	0	1,588.6	1.2	0	0	6
7	1,590.5	5.0	0	0	1,587.7	0.3	0	0	1,591.4	7.4	0	0	1,588.5	1.1	0	0	7
8	1,590.4	4.8	0	0	1,587.5	0.2	0	0	1,591.3	7.1	0	0	1,588.4	1.0	0	0	8
9	1,590.4	4.8	0	0	1,587.3	0.1	0	0	1,591.2	6.8	0	0	1,588.3	0.8	0	0	9
10	1,590.3	4.5	0	0	1,587.2	0.1	0	0	1,591.2	6.8	0	0	1,588.2	0.7	0	0	10
11	1,590.2	4.2	0	0	1,587.1	+	0	0	1,591.1	6.6	0	0	1,588.1	0.6	0	0	11
12	1,590.1	4.0	0	0	1,587.0	0	0	0	1,591.0	6.3	0	0	1,588.0	0.5	0	0	12
13	1,590.0	3.7	0	0			0	0	1,591.0	6.3	0	0	1,587.9	0.4	0	0	13
14	1,589.9	3.5	0	0			0	0	1,590.9	6.0	0	0	1,587.8	0.4	0	0	14
15	1,589.8	3.3	0	0			0	0	1,590.8	5.8	0	0	1,587.7	0.3	0	0	15
16	1,589.7	3.1	0	0			0	0	1,590.7	5.5	0	0	1,587.7	0.3	0	0	16
17	1,589.6	2.9	0	0			0	0	1,590.7	5.5	0	0	1,587.6	0.3	0	0	17
18	1,589.5	2.7	0	0			0	0	1,590.6	5.2	0	0	1,587.6	0.3	0	0	18
19	1,589.4	2.6	0	0			0	0	1,590.6	5.2	0	0	1,587.5	0.2	0	0	19
20	1,589.3	2.4	0	0			0	0	1,590.5	5.0	0	0	1,587.5	0.2	0	0	20
21	1,589.2	2.2	0	0	1,587.0	0	0	0	1,590.4	4.8	0	0	1,587.4	0.2	0	0	21
22	1,589.1	2.0	0	0	1,591.2	6.8	3.4	0	1,590.4	4.8	0	0	1,587.4	0.2	0	0	22
23	1,589.0	1.8	0	0	1,591.2	6.8	0	0	1,590.3	4.5	0	0	1,587.4	0.2	0	0	23
24	1,588.9	1.6	0	0	1,591.2	6.8	0	0	1,590.3	4.5	0	0	1,587.3	0.1	0	0	24
25	1,588.8	1.5	0	0	1,591.1	6.6	0	0	1,590.2	4.2	0	0	1,587.3	0.1	0	0	25
26	1,588.7	1.4	0	0	1,591.0	6.3	0	0	1,590.2	4.2	0	0	1,587.3	0.1	0	0	26
27	1,588.6	1.2	0	0	1,590.8	5.8	0	0	1,590.2	4.2	0	0	1,587.2	0.1	0	0	27
28	1,588.5	1.1	0	0	1,590.7	5.5	0	0	1,590.1	4.0	0	0	1,587.2	0.1	0	0	28
29	1,588.4	1.0	0	0	1,590.6	5.2	0	0	1,590.0	3.7	0	0	1,587.2	0.1	0	0	29
30					1,590.5	5.0	0	0	1,589.9	3.5	0	0	1,587.1	+	0	0	30
31					1,590.7	5.5	0.3	0					1,587.0	0	0	0	31
TOTAL			0	0			3.7	0			1.9	0			0	0	
Inf. Ac. Ft.			0				7.3				3.8				0	23.4	
Outf. Ac. Ft.			0 + (5.6)				0 + (2.8)				0 + (5.8)				0 + (3.5)	0 + (23.4)	
Maximum Mean Daily Inflow			0				3.4				1.6				0	4.2	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		– 5.6				+ 4.5				– 2.0				– 3.5		0	

NO STORAGE

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev. 1,592.0 feet on 4/2/64 Storage 8.9 Acre Feet

Min. W. S. Elev. DRY feet on VAR. DAYS Storage Acre Feet

Max. Peak Inf. 20.1 C.F.S. from 8:30 P.M. on 3/22/64 to 9:00 P.M. on 3/22/64

Max. Peak Outf. NO RELEASES C.F.S. from on to on

REMARKS + = 0.5 CFS OR LESS

( ) INDICATES EVAPORATION AND OTHER LOSSES

RECORDS COLLECTED BY

R. L. SONNICHSEN Dam Tender

R. J. SARASUA Hydrographer

Hydrographer

COMPUTATIONS ckd. Date

Gage Hts. copied RAP AJF 7/6/64

Storage applied RAP AJF 7/6/64

Inf. & Outf. comp. RAP AJF 7/6/64

760138N-688 3-64

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

On Thompson Creek for the Year Ending September 30, 19 64

Drainage Area 3.51 Square Miles. Capacity of Reservoir 554.1 Ac. Ft. at Spillway Elev. 1,634.1 Ft. as of July 19 62

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Gage Heights Read at various times

Day	June Gage Height	June Acre Ft. Storage	June C. F. S. Inflow	June C. F. S. Outflow	July Gage Height	July Acre Ft. Storage	July C. F. S. Inflow	July C. F. S. Outflow	August Gage Height	August Acre Ft. Storage	August C. F. S. Inflow	August C. F. S. Outflow	September Gage Height	September Acre Ft. Storage	September C. F. S. Inflow	September C. F. S. Outflow	Day
1	1,587.0	0	0	0	1,587.0	0	0	0	1,587.0	0	0	0	1,587.0	0	0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30	1,587.0	0	0	0			0	0			0	0	1,587.0	0	0	0	30
31					1,587.0	0	0	0	1,587.0	0	0	0					31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0			0	0				0	23.4	
Outf. Ac. Ft.			0				0				0				0	0 + (23.4)	
Maximum Mean Daily Inflow			0				0				0				0	4.2	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,592.0	feet	on	4/2/64	Storage	8.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	DRY	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	R. L. SONNICHSEN	Dam Tender	Gage Hts. copied	RAP AJF
Max. Peak Inf.	20.1	C. F. S. from	8:30 P.M.	on	3/22/64	to	9:00 P.M.	on	3/2/64	R. J. SARASUA	Hydrographer	Storage applied	RAP AJF
Max. Peak Outf.	NO RELEASES	C. F. S. from		on		to		on		R. J. SARASUA	Hydrographer	Inf. & Outf. comp.	RAP AJF

REMARKS

760138N-688 3-64

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

On Thompson Creek for the Year Ending September 30, 19 65

Drainage Area 3.51 Square Miles. Capacity of Reservoir 554.1 Ac. Ft. at Spillway Elev. 1,634.1 Ft. as of July 19 62

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Gage Heights Read at Various Times

Day	October Gage Height	October Acre Ft. Storage	October C. F. S. Inflow	October C. F. S. Outflow	November Gage Height	November Acre Ft. Storage	November C. F. S. Inflow	November C. F. S. Outflow	December Gage Height	December Acre Ft. Storage	December C. F. S. Inflow	December C. F. S. Outflow	January Gage Height	January Acre Ft. Storage	January C. F. S. Inflow	January C. F. S. Outflow	Day
1	1,587.0	0	0	0	1,587.0	0	0	0	1,587.0	0	0	0	1,587.0	0	0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0	1,587.0	0	0	0			0	0			0	0	30
31	1,587.0	0	0	0					1,587.0	0	0	0	1,587.0	0	0	0	31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	0	
Outf. Ac. Ft.			0				0				0				0	0	
Maximum Mean Daily Inflow			0				0				0				0	0	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,596.5	feet	on	4/10/65	Storage	25.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1,587.0	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	G. H. SHEPHERD	Dam Tender	Gage Hts. copied	FM JL
Max. Peak Inf.	55.0	C. F. S. from	7:30 P.M.	on	4/5/65	to	9:30 P.M.	on	4/9/65	R. J. SARASUA	Hydrographer	Storage applied	FM JL
Max. Peak Outf.	0	C. F. S. from	ENTIRE YEAR	on		to		on		R. J. SARASUA	Hydrographer	Inf. & Outf. comp.	FM JL

REMARKS

76D136N-688 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

In Thompson Creek for the Year Ending September 30, 1965

Continuous Water Stage Recorder Au

Drainage Area 3.51 Square Miles. Capacity of Reservoir 554.1 Ac. Ft. at Spillway Elev. 1,634.1 Ft. as of July 1962 Gage Heights Read at Various Times

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,587.0	0	0	0	1,587.0	0	0	0	1,587.0	0	0	0	1,591.9	8.9	0	0	1
2			0	0			0	0			0	0	1,591.8	8.6	0	0	2
3			0	0			0	0			0	0	1,591.7	8.3	0	0	3
4			0	0			0	0			0	0	1,591.6	8.0	0	0	4
5			0	0			0	0			0	0	1,591.5	7.7	0	0	5
6			0	0			0	0	1,587.0	0	0	0	1,591.4	7.4	0	0	6
7			0	0			0	0	1,587.1			0	1,591.3	7.1	0	0	7
8			0	0			0	0	1,589.0	1.8	0.9	0	1,591.2	6.8	0	0	8
9			0	0			0	0	1,595.5	21.4	9.9	0	1,591.1	6.6	0	0	9
10			0	0			0	0	1,596.5	25.6	2.1	0	1,590.9	6.0	0	0	10
11			0	0			0	0	1,596.4	25.2	0	0	1,590.8	5.8	0	0	11
12			0	0			0	0	1,595.9	23.0	0	0	1,590.7	5.5	0	0	12
13		NO STORAGE	0	0		NO STORAGE	0	0	1,595.2	20.2	0	0	1,590.6	5.2	0	0	13
14			0	0			0	0	1,594.7	18.3	0	0	1,590.5	5.0	0	0	14
15			0	0			0	0	1,594.6	18.0	0	0	1,590.4	4.8	0	0	15
16			0	0			0	0	1,594.4	17.2	0	0	1,590.3	4.5	0	0	16
17			0	0			0	0	1,594.2	16.5	0	0	1,590.2	4.2	0	0	17
18			0	0			0	0	1,594.0	15.8	0	0	1,590.0	3.7	0	0	18
19			0	0			0	0	1,593.8	15.1	0	0	1,589.8	3.3	0	0	19
20			0	0			0	0	1,593.6	14.4	0	0	1,589.6	2.9	0	0	20
21			0	0			0	0	1,593.4	13.7	0	0	1,589.4	2.6	0	0	21
22			0	0			0	0	1,593.3	13.4	0	0	1,589.2	2.2	0	0	22
23			0	0			0	0	1,593.1	12.6	0	0	1,589.0	1.8	0	0	23
24			0	0			0	0	1,593.0	12.3	0	0	1,588.8	1.5	0	0	24
25			0	0			0	0	1,592.8	11.7	0	0	1,588.6	1.2	0	0	25
26			0	0			0	0	1,592.6	11.0	0	0	1,588.4	1.0	0	0	26
27			0	0			0	0	1,592.5	10.7	0	0	1,588.2	0.7	0	0	27
28	1,587.0	0	0	0			0	0	1,592.3	10.1	0	0	1,588.0	0.5	0	0	28
29							0	0	1,592.2	9.8	0	0	1,587.8	0.4	0	0	29
30							0	0	1,592.1	9.5	0	0	1,587.6	0.3	0	0	30
31					1,587.0	0	0	0					1,587.4	0.2	0	0	31
TOTAL			0	0			0	0			12.9	0			0	0	
Inf. Ac. Ft.			0				0				25.6				0	25.6	
Outf. Ac. Ft.			0				0				0 + (16.1)				0 + (9.3)	0 + (25.4)	
Maximum Mean Daily Inflow			0				0				9.9				0	9.9	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0					0			+ 9.5				- 9.3			+ 0.2	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,596.5	feet	on	4/10/65	Storage	25.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1587.0	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	G. H. SHEPHERD	Dam Tender	Gage Hts. copied	FM	JL
Max. Peak Inf.	55.0	C. F. S. from	7:30 P.M.	on	4/9/65	to	9:30 P.M.	on	4/9/65	R. J. SARASUA	Hydrographer	Storage applied	FM	JL
Max. Peak Outf.	0	C. F. S. from	ENTIRE YEAR	on		to		on			Hydrographer	Inf. & Outf. comp.	FM	JL

REMARKS

76D136N-688 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

In Thompson Creek for the Year Ending September 30, 1965

Continuous Water Stage Recorder Au

Drainage Area 3.51 Square Miles. Capacity of Reservoir 554.1 Ac. Ft. at Spillway Elev. 1,634.1 Ft. as of July 1962 Gage Heights Read at Various Times

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1,587.2	0.1	0	0	1,587.0	0	0	0	1,587.0	0	0	0	1,587.0	0	0	0	1
2	1,587.1	+	0	0			0	0			0	0			0	0	2
3	1,587.1	+	0	0			0	0			0	0			0	0	3
4	1,587.1	+	0	0			0	0			0	0			0	0	4
5	1,587.1	+	0	0			0	0			0	0			0	0	5
6	1,587.0	0	0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14		STORAGE	0	0		STORAGE	0	0		STORAGE	0	0		STORAGE	0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17		NO	0	0		NO	0	0		NO	0	0		NO	0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30	1,587.0	0	0	0			0	0			0	0	1,587.0	0	0	0	30
31					1,587.0	0	0	0	1,587.0	0	0	0					31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	25.6	
Outf. Ac. Ft.			0 + (0.2)				0				0				0	0 + (25.6)	
Maximum Mean Daily Inflow			0				0				0				0	9.9	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	- 0.2					0			0				0			0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1,596.5	feet	on	4/10/65	Storage	25.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1,587.0	feet	on	VARIOUS TIMES	Storage	0	Acre Feet	G. H. SHEPHERD	Dam Tender	Gage Hts. copied	FM	JL
Max. Peak Inf.	55.0	C. F. S. from	7:30 P.M.	on	4/9/65	to	9:30 P.M.	on	4/9/65	R. J. SARASUA	Hydrographer	Storage applied	FM	JL
Max. Peak Outf.	0	C. F. S. from	ENTIRE YEAR	on		to		on			Hydrographer	Inf. & Outf. comp.	FM	JL

REMARKS

75D138N-688 3-64

Daily Gage Height in feet and Operation Record of HAMILTON BOWL Dam

In Long Beach for the Year Ending September 30, 1964

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder H.C.F.

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17.± Ft. as of July 1947 Gage Heights Read at various times

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1.8	0	0	0	1.8	0	0	0	1.8	0	0	0	1.8	0	0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			7.5	7.5			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0	1.8	0	0	0			0	0			0	0	14
15	1.8	0	0	0	3.9	0.2	13.4	13.3			0	0			0	0	15
16	3.9	0.2	6.1	6.0	1.8	0	0	0.1			0	0			0	0	16
17	1.8	0	0	0.1	1.8	0	0	0			0	0			0	0	17
18			0	0	1.8	0	0	0			0	0			1.1	1.1	18
19			0	0	9.6	32.1	16.2	0			0	0	1.8	0	0	0	19
20			0	0	4.2	0.3	28.9	44.9			0	0	3.6	0.1	0.1	0	20
21			0	0	1.8	0	0.2	0.4			0	0	3.8	0.2	6.3	6.3	21
22			0	0			0	0			0	0	1.8	0	1.2	1.3	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0	1.8	0	0	0			0	0			0	0	30
31	1.8	0	0	0					1.8	0	0	0	1.8	0	0	0	31
TOTAL			6.1	6.1			66.2	66.2			0	0			8.7	9.7	
Inf. Ac. Ft.			12.1				131.3				0				17.3	160.7	
Outf. Ac. Ft.			12.1				131.3				0				17.3	160.7	
MAXIMUM Mean Daily Inflow			6.1				28.9				0				6.3	28.9	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0				0				0				0			0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	10.6	feet	on	11/20/63	Storage	48.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	DRY	feet	on	VARIOUS DAYS	Storage		Acre Feet	D. RAGSDALE	Dam Tender	Gage Hts. copied	RAP	AJF 7/7/64
Max. Peak Inf.	179.1	C. F. S. from	8:00 P.M.	on	11/19/63	to	8:15 P.M.	on	11/19/63	E. S. BONADIMAN	Hydrographer	Storage applied RAP AJF 7/7/64
Max. Peak Outf.	53.5	C. F. S. from	VAR. TIMES	on	11/15/63	to		on			Hydrographer	Inf. & Outf. comp. RAP AJF 7/7/64

REMARKS

75D138N-689 3-64

Daily Gage Height in feet and Operation Record of HAMILTON BOWL Dam

In Long Beach for the Year Ending September 30, 1964

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder H.C.F.

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17.± Ft. as of July 1947 Gage Heights Read at various times

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1.8	0	0	0	3.0			0	3.4	0.1	2.8	4.2	1.8	0	0	0	1
2			0	0	3.4	0.1	0.3	0.3	3.4	0.1	0	0	1.8	0	0	0	2
3			0	0	3.4	0.1	0	0	3.4	0.1	0	0	5.1	0.6	0.3	0	3
4			0	0	3.4	0.1	0	0	3.4	0.1	0	0	4.3	0.3	0.8	1.0	4
5			0	0	3.4	0.1	0.1	0.1	3.4	0.1	0	0	3.4	0.1	0.3	0.4	5
6			0	0	3.4	0.1	0	0	3.4	0.1	0	0	3.4	0.1	0	0	6
7			0	0	3.4	0.1	0	0	3.4	0.1	0	0	3.4	0.1	0	0	7
8			0	0	3.4	0.1	0	0	3.4	0.1	0	0	3.4	0.1	0	0	8
9			0	0	3.4	0.1	0	0	3.4	0.1	0	0	3.4	0.1	0.7	0.7	9
10			0	0	3.4	0.1	0	0	3.4	0.1	0	0	1.8	0	0	0	10
11			0	0	3.4	0.1	0	0	3.4	0.1	0	0			0	0	11
12			0	0	5.2	0.7	0.3	0	3.4	0.1	0	0			0	0	12
13			0	0	3.4	0.1	0	0.3	3.4	0.1	0	0			0	0	13
14			0	0	3.4	0.1	0	0	3.4	0.1	0	0			0	0	14
15			0	0	3.4	0.1	0	0	4.9	0.5	0.2	0			0	0	15
16			0	0	3.4	0.1	0	0	5.8	1.0	0.7	0.3			0	0	16
17			0	0	3.4	0.1	0	0	3.4	0.1	1.0	1.5			0	0	17
18			0	0	3.4	0.1	0	0	3.4	0.1	0	0			0	0	18
19			0	0	3.4	0.1	0	0	3.4	0.1	0.4	0.4			0	0	19
20			0	0	3.4	0.1	0	0	5.7	1.0	0.5	0			0	0	20
21			0	0	3.4	0.1	0	0	4.5	0.4	0.9	1.6			0	0	21
22			0	0	3.5	0.1	8.9	8.9	3.4	0.1	0.3	0.3			0	0	22
23			0	0	6.7	1.8	0.8	0	3.4	0.1	0	0			0	0	23
24			0	0	3.5	0.1	0	0.9	3.4	0.1	0	0			0	0	24
25			0	0	3.4	0.1	0	0	3.4	0.1	0	0			0	0	25
26			0	0	3.4	0.1	0	0	3.4	0.1	0	0			0	0	26
27			0	0	3.4	0.1	0	0	3.4	0.1	0	0			0	0	27
28			0	0	3.4	0.1	0	0	3.4	0.1	0	0			0	0	28
29	1.8	0	0	0	3.4	0.1	0	0	3.9	0.2	0.1	0			0	0	29
30					3.4	0.1	0	0	3.4	0.1	0	+			0	0	30
31					7.2	2.8	1.4	0					1.8	0	0	0	31
TOTAL			0	0			11.8	10.5			6.9	8.3			2.1	2.1	
Inf. Ac. Ft.			0				23.5				13.7				4.2	202.0	
Outf. Ac. Ft.			0				20.8				16.5				4.2	202.0	
MAXIMUM Mean Daily Inflow			0				8.9				1.9				0.8	28.9	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0				+ 2.7				- 2.8				0			0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	10.6	feet	on	11/20/63	Storage	48.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	DRY	feet	on	VARIOUS TIMES	Storage		Acre Feet	D. RAGSDALE	Dam Tender	Gage Hts. copied	TS	TS
Max. Peak Inf.	179.1	C. F. S. from	8:00 P.M.	on	11/19/63	to	8:15 P.M.	on	11/19/63	E.S. BONADIMAN	Hydrographer	Storage applied TS TS
Max. Peak Outf.	53.5	C. F. S. from	VARIOUS TIMES	on	11/15/63	to		on			Hydrographer	Inf. & Outf. comp. TS TS

REMARKS

76D138N-6BB 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of HAMILTON BOWL Dam

In Long Beach for the Year Ending September 30, 19 64

Continuous Water Stage Recorder A35

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17.± Ft. as of JULY 19 47 Gage Heights Read at various times

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1.8	0	0	0	1.8	0	0	0	1.8	0	0	0	1.8	0	0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0.9	0.9			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30	1.8	0	0	0			0	0			0	0	1.8	0	0	0	30
31					1.8	0	0	0	1.8	0	0	0					31
TOTAL			0.9	0.9			0	0			0	0			0	0	
Inf. Ac. Ft.			1.8				0				0				0	203.8	
Outf. Ac. Ft.			1.8				0				0				0	203.8	
Maximum Mean Daily Inflow			0.9				0				0				0	28.9	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0					0			0				0			0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	10.6	feet	on	11/20/63	Storage	48.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	DRY	feet	on	VARIOUS TIMES	Storage		Acre Feet	D. RAGSDALE	Dam Tender	Gage Hts. copied	TS	TS
Max. Peak Inf.	179.1	C. F. S. from	8:00 P.M.	on	11/19/63	to	8:15 P.M.	on	11/19/63	E. S. BONADIMAN	Hydrographer	Storage applied	TS	TS
Max. Peak Outf.	53.5	C. F. S. from	VARIOUS TIMES	on	11/15/53	to		on			Hydrographer	Inf. & Outf. comp.	TS	TS

REMARKS

76D138N-6BB 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of HAMILTON BOWL Dam

In Long Beach for the Year Ending September 30, 19 65

Continuous Water Stage Recorder H. C. F.

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17.± Ft. as of July 19 47 Gage Heights Read at Various Times

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1.8	0	0	0	1.8	0	0	0	1.8	0	0	0	1.8	0	0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			3.0	3.0	7
8			0	0	1.8	0	0	0			0	0			0	0	8
9			0	0	3.7	0.2	5.9	5.8			0	0			0	0	9
10		NO STORAGE	0	0	3.5	0.1	0.7	0.7		NO STORAGE	0	0		NO STORAGE	0	0	10
11			0	0	4.9	0.5	0.6	0.4			0	0			0	0	11
12			0	0	3.4	0.1	0.3	0.5			0	0			0	0	12
13			0	0	1.8	0	0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0	1.8	0	0	0			0	0			0	0	15
16			0	0	7.4	3.5	1.6	0			0	0			0	0	16
17			0	0	3.5	0.1	7.4	9.1			0	0			0	0	17
18			0	0	1.8	0	0	0	1.8	0	0	0			0	0	18
19			0	0			0	0	4.2	0.3	1.5	1.3			0	0	19
20			0	0			0	0	7.3	3.1	6.4	5.1			0	0	20
21			0	0			0	0	3.4	0.1	1.0	2.5			0	0	21
22			0	0			0	0	3.4	0.1	0	0			0	0	22
23			0	0			0	0	3.9	0.2	0	0			0	0	23
24			0	0			0	0	3.4	0.1	0	0			2.5	2.5	24
25			0	0			0	0	1.8	0	0	0			0	0	25
26	1.8	0	0	0			0	0			0	0			0	0	26
27	3.5	0.1	+	+			0	0	1.8	0	13.0	13.0			0	0	27
28	1.8	0	0	0			0	0	4.1	0.2	0.9	0.9			0	0	28
29			0.8	0.8			0	0	4.1	0.2	0	0			0	0	29
30			0	0	1.8	0	0	0	1.8	0	0	0			0	0	30
31	1.8	0	0	0									1.8	0	0	0	31
TOTAL			0.8	0.8			16.5	16.5			22.8	22.8			5.5	5.5	
Inf. Ac. Ft.			1.6				32.1				45.2				10.9	89.8	
Outf. Ac. Ft.			1.6				32.1				45.2				10.9	89.8	
Maximum Mean Daily Inflow			0.8				7.4				13.0				3.0	13.0	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0					0			0				0			0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	8.75	feet	on	VARIOUS DAYS	Storage	19.8	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1.8	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	D. RAGSDALE	Dam Tender	Gage Hts. copied	FM	JL
Max. Peak Inf.	164.4	C. F. S. from	10:18 A.M.	on	4/8/65	to	10:30 A.M.	on	4/8/65	M. SJOSTEDT	Hydrographer	Storage applied	FM	JL
Max. Peak Outf.	53.+	C. F. S. from	VARIOUS DAYS	on		to		on			Hydrographer	Inf. & Outf. comp.	FM	JL

REMARKS

760138N-668 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of HAMILTON BOWL Dam

In Long Beach for the Year Ending September 30, 1965

Continuous Water Stage Recorder H.C.F.

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17. + Ft. as of July 1947 Gage Heights Read at Various Times

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1.8	0	0	0	1.8	0	0	0	6.3	1.4	16.9	16.3	1.8	0	0	0	1
2			0	0			0	0	6.7	1.8	5.9	5.7			0	0	2
3			0	0			0	0	5.3	0.9	19.5	20.0			0	0	3
4	1.8	0	0	0			0	0	5.4	0.8	4.2	4.2			0	0	4
5	7.4	3.5	1.8	0	1.8	0	0	0	3.7	0.2	0	0.3			0	0	5
6	1.8	0	1.5	3.3	5.9	1.1	0.6	0.1	1.8	0	0	0.1			0	0	6
7			0	0	3.8	0.2	0.1	0.6	7.0	2.1	1.1	0			0	0	7
8			0	0	1.8	0	0	0	7.0	2.1	23.4	23.4			0	0	8
9			0	0			0	0	6.7	1.8	7.9	8.1			0	0	9
10			0	0			0	0	1.8	0	0.1	1.0			0	0	10
11			0	0			0	0	1.8	0	0	0			0	0	11
12			0	0			0	0	4.4	0.4	0.2	0			0	0	12
13			0	0			2.4	2.4	1.8	0	0.9	1.1			0	0	13
14			0	0			0	0			0	0			0	0	14
15		NO STORAGE	0	0		NO STORAGE	5.0	5.0			0	0		NO STORAGE	0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0		NO STORAGE	0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28	1.8	0	0	0			0	0			0	0			0	0	28
29							0	0			0	0			0	0	29
30					1.8	0	0	0	1.8	0	0	0			0	0	30
31					3.9	0.2	18.5	18.4					1.8	0	0	0	31
TOTAL			3.3	3.3			26.6	26.5			90.1	80.2			0	0	
Inf. Ac. Ft.			6.6				52.8				158.9				0	307.7	
Outf. Ac. Ft.			6.6				52.6				159.1				0	307.7	
Maximum Mean Daily Inflow			3.3				5.0				23.4				0	31.0	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0				+ 0.2				-- 0.2				0			0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	8.75	feet	on VARIOUS DAYS	Storage	19.8	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1.8	feet	on VARIOUS DAYS	Storage	0	Acre Feet	D. RAGSDALE	Dam Tender	Gage Hts. copied	FM JL
Max. Peak Inf.	164.4	C. F. S. from	10:18 A.M. on 4/8/65	to	10:30 A.M.	on 4/8/65	M. SJOSTEDT	Hydrographer	Storage applied	FM JL
Max. Peak Outf.	53. +	C. F. S. from	VARIOUS DAYS on	to		on		Hydrographer	Inf. & Outf. comp.	FM JL

REMARKS

760138N-668 3-64

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of HAMILTON BOWL Dam

In Long Beach for the Year Ending September 30, 1965

Continuous Water Stage Recorder H. C. F.

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17. + Ft. as of July 1947 Gage Heights Read at Various Times

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1.8	0	0	0	1.8	0	0	0	1.8	0	0	0	1.8	0	0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0	15
16			0	0			0	0			0	0			0	0	16
17	1.8	0	0	0			0	0			0	0			0	0	17
18	3.4	0.1	+	+			0	0			0	0			0	0	18
19	1.8	0	0	0		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30	1.8	0	0	0			0	0			0	0	1.8	0	0	0	30
31				+	1.8	0	0	0	1.8	0	0	0					31
TOTAL			+				0	0			0	0			0	0	
Inf. Ac. Ft.			+				0				0				0	307.7	
Outf. Ac. Ft.			+				0				0				0	307.7	
Maximum Mean Daily Inflow			+				0				0				0	31.0	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0				0				0				0			0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	8.75	feet	on VARIOUS DAYS	Storage	19.8	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1.8	feet	on VARIOUS DAYS	Storage	0	Acre Feet	D. RAGSDALE	Dam Tender	Gage Hts. copied	FM JL
Max. Peak Inf.	164.4	C. F. S. from	10:18 A.M. on 4/8/65	to	10:30 A.M.	on 4/8/65	M. SJOSTEDT	Hydrographer	Storage applied	FM JL
Max. Peak Outf.	53. +	C. F. S. from	VARIOUS DAYS on	to		on		Hydrographer	Inf. & Outf. comp.	FM JL

REMARKS

TABLE XVI

YEARLY RESERVOIR OPERATION SUMMARY

YEAR	INFLOW			OUTFLOW	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX. DAY C.F.S.	MIN. DAY C.F.S.	ANNUAL A.F.	MO.	DAY	C.F.S.	MO.	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
PACOIMA DAM													
1928-29	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	1109.	18.	201.
1929-30	1110.	N.D.	N.D.	965			N.D.			N.D.	756.	23.	40.
1930-31	1082.	N.D.	N.D.	886.			N.D.			N.D.	754.	24.	137.
1931-32	8741.	N.D.	N.D.	8443.			N.D.			N.D.	3589.	33.	311.
1932-33	2160.	101	0	2119.			N.D.	4	13	81.	1523.	43.	353.
1933-34	3454.	N.D.	N.D.	3493.	1	1	914.	1	26	65.	2002.	48.	62.
1934-35	5669.	84.	0	5556.			N.D.	5	16	92.	3061.	60.	60.
1935-36	3098.	88.	0	3094.	2	12	248.	5	13	129.	2500.	0	4. 2/
1936-37	15737.	356.	0	14210.	2	14	508.	2	18	250.	5118.	2.	1531.
1937-38	25878.	2357.	0	26796.	3	2	8320.	3	3	2060.	6397.	0	0 2/
1938-39	3525.	86.	0	3080.	12	19	145.	1	20	65.	998.	0	445.
1939-40	3209.	156.	0	3133.	1	8	928.	2	4	169.	1698.	158.	521.
1940-41	25785.	536.	0	25942.	3	4	815.	3	5	430.	4342.	232.	364.
1941-42	1920.	48.	0.05	2032.	12	29	85.	7	15	97.	1460.	95.	95.
1942-43	20698.	1246.	0.1	20407.	1	23	2650.	1	23	598.	2682.	0	386.
1943-44	15004.	898.	0.4	15167.	2	22	1790.	3	2-3	326.	4818.	0.8	44.
1944-45	4866.	206.	0.4	4911.	2	2	494.	2	2	397.	1258.	0	0
1945-46	4600.	332.	0	2904.	3	30	564.	2	5	241.	3524.	0	1673.
1946-47	4356.	143.	0	6029.	11	20	282.	1	7	237.	1697.	0	0
1947-48	369.	6.4	0.1	335.	4	29	12.	6	29	7.7	267.	0	18.
1948-49	723.	10.5	0.1	740.	3	5	17.	6	24	10.	554.	0.4	0.8
1949-50	1063.	18.8	0.1	1019.	2	6	26.	4	11	231.	735.	0.8	44.
1950-51	142.	1.3	0	69.	4	29	2.4	9	30	5.9	156.	44.	117.
1951-52	16794.	681.	0	14325.	1	16	1290.	1	18	634.	3374.	25.	2584.
1952-53	967.	8.5	0	3500.	12	1	32.	11	17	163.	2584.	45.	52.
1953-54	2952.	107.	0.05	2941.	1	25	272.	4	5	292.	2124.	46.	53.
1954-55	748.	18.0	0.05	737.	4	30	25.	4	21	39.	420.	52.	64.
1955-56	1466.	90.	0	1252.	1	27	179.	5	17	66.	1377.	64.	258.
1956-57	573.	9.8	0	773.	1	13	14.	5	7	47.	473.	44.	54.
1957-58	15818.	714.	0	15808.	4	9	1180.	2	5	420.	4139.	0	64.
1958-59	783.	29.	0	708.	1	6	184.	6	18	242.	769.	65.	140.
1959-60	131.	0.9	0	271.	1	11	2.2	8	11	4.2	140.	0	0
1960-61	59.	6.3	0	11.	11	12	60.			0	52.	0	48.
1961-62	6326.	584.	0	6279.	2	11	811.	4	7	511.	1906.	46.	95.
1962-63	384.	8.1	0.1	228.	2	10	19.	9	28	24.	437.	95.	251.
1963-64	529.	8.3	0.1	722.	1	22	56.7	6	15	117.	497.	0	12.6
1964-65	1313.	70.	0.1	1048.	4	9	160.	5	7	5.3	984.	13.	222.

YEAR	INFLOW			OUTFLOW	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX. DAY C.F.S.	MIN. DAY C.F.S.	ANNUAL A.F.	MO.	DAY	C.F.S.	MO.	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
BIG TUJUNGA DAM													
1930-31	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	239.	43.	156.
1931-32	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	4908.	156.	798.
1932-33	4342.	218.	0	4518.			N.D.			N.D.	3252.	337.	522.
1933-34	4441.	994.	0	4234.	1	1	2430.	7	17-18	21. 1/	4510.	167.	829.
1934-35	11992.	380.	0	10698.	4	8	718.	4	8	540.	6249.	648.	2122.
1935-36	3875.	130.	0	5508.	2	12	312.	2	17	52.	2661.	189.	488.
1936-37	26969.	803.	0.6	25729.	2	6	1740.	2	15-19	366.	6266.	188.	1728.
1937-38	64855.	12030.	1.0	65022.	3	2	32940.	3	2	32600.	7719.	0	0 2/
1938-39	9905.	327.	1.2	9106.	12	19	666.	12	23.	424.	2343.	0	800. 2/
1939-40	7058.	337.	0.4	7197.	1	8	2302.	1	8	747.	2276.	0	717. 2/
1940-41	59402.	1202.	0.9	59086.	3	4	1570.	2	21.	1560. ±	2319.	+	1033. 2/
1941-42	7120.	70.	0.8	7724.	12	10	134.	12	30	47.	2131.	115.	428.
1942-43	52877.	5695.	1.1	52919.	1	23	17850.	1	23	17670.	5321.	0	0
1943-44	42270.	2779.	5.0	41722.	2	22	4770.	2	22	3310.	2485.	0	548.
1944-45	13206.	475.	1.2	12231.	11	11	1850.	11	13	300.	3034.	503.	1523.
1945-46	11543.	1154.	0.8	12383.	3	30	2310.	3	30	983.	4096.	503.	680.
1946-47	12987.	674.	0.9	12827.	11	13	1690.	12	26	501.	1748.	423.	840.
1947-48	2679.	44.	0.7	3579.	4	29	85.	7	15	54.	1640.	0	0
1948-49	2129.	16.	0.1	1645.	3	11	18.	8	30	4.5	1291.	0	484.
1949-50	2029.	32.	0.2	1905.	2	6	43.	7	-	5.4 1/	1556.	165.	609.
1950-51	841.	7.7	0.1	1235.	4	29	17.	8	22	15.	653.	141.	214.
1951-52	27288.	996.	0.3	26125.	1	18	2030.	1	18	1800.	4220.	52.	1377.
1952-53	3496.	35.	0.1	4873.	11	15	108.	9	22	82.	1519.	0	0
1953-54	5389.	212.	0.1	5290.	1	25	500.	3	1	158.	2686.	0	99.
1954-55	2623.	30.	0.2	2282.	1	18	52.	10	3	17.	2020.	0	427.
1955-56	3026.	233.	0.4	3433.	1	26	582.	1	27	148.	1376.	18.	20.
1956-57	1967.	107.	0.1	1660.	1	13	283.	5	22	22.	1444.	20.	326.
1957-58	27558.	1217.	0.1	27563.	4	3	2860.	4	4	1320.	3662.	0	321.
1958-59	3405.	172.	0.1	3152.	1	6	213.	2	16	112.	1753.	121.	574.
1959-60	1183.	12.	0.3	1653.	1	12	24.	7	22	7.2	1021.	103.	103.
1960-61	838.	14.	0.4	718.	11	6	35.	5	26-29	4.2	613.	90.	222.
1961-62	16711.	2544.	0.4	16776.	2	11	5048.	2	11	3702.	4468.	0	157.
1962-63	1715.	90.	0.2	1359.	2	10	237.	9	4	7.7	1478.	124.	513.
1963-64	1526.	40.	0	2039.	1	22	90.	8	26	51.	1260.	0	0
1964-65	2429.	60.	0.4	1503.	4	9	165.	VAR. TIMES		8.5	1902.	0	767.

TABLE XVI (Continued)

YEARLY RESERVOIR OPERATION SUMMARY

YEAR	INFLOW			OUTFLOW	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX. DAY C.F.S.	MIN. DAY C.F.S.	ANNUAL A.F.	MO.	DAY	C.F.S.	MO.	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
DEVIL'S GATE DAM													
1921-29	SOME STORAGE RECORDS AVAILABLE AT CITY OF PASADENA WATER DEPARTMENT.												
1929-30	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	196.	0	0
1930-31	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	155.	0	0 2/
1931-32	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	1715.	0	0
1932-33	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	1046.	0	0
1933-34	2998.	757.	0	0	1	1	3310.			0	2310.	0	0
1934-35	3843.	N.D.	0	N.D.	10		1310.	1	18	10.	1128.	0	26. 2/
1935-36	3457.	N.D.	0	86.	2	2	939.	7	2	12.	1450.	1.7	6.
1936-37	12030.	340.	0	2818.	2	6	852.	2	18	136. 1/	3310.	6.0	156.
1937-38	25436.	3720.	0	17496.	3	2	10840.	3	2	6440.	5465.	0	331. 2/
1938-39	3044.	200.	0	634.	12	19	201.	12	20	62. 1/	760.	0	488.
1939-40	1350.	142.	0	745.	1	8	859.	2	21	74.	959.	0	0
1940-41	27013.	1381.	0	24562.	2	20	3870.	2	20	3120.	1762.	0	531.
1941-42	689.	91.	0	443.	12	10	479.	12	8	27.	378.	4.0	4.0
1942-43	25655.	2559.	0	23552.	1	23	7740.	1	23	5530.	2366.	0.5	58.
1943-44	8680.	1454.	0	7905.	2	22	2310.	2	22	1530.	1823.	0	0
1944-45	2341.	288.	0	2031.	11	11	949.	3	15	434.	730.	0	0
1945-46	2994.	435.	0	1343.	12	22	1040.	12	23	389.	1341.	0	72
1946-47	4045.	285.	0	3949.	12	25	1280.	12	27	610.	691.	0	0
1947-48	260.	32.	0	57.	3	24	444.	4	5	1.9	101.	0	0
1948-49	185.	14.	0	37.	3	10	59.	6	3	1.3	90.	0	0
1949-50	318.	37.	0	81.	2	6	237.	11	10	99.	138.	0	POOL
1950-51	171.	18.	0	17.	1	11	468.	1	3	22.	82.	0	0
1951-52	11508.	792.	0	11377.	1	16	2650.	1	18	999.	1122.	0	0
1952-53	563.	51.	0	194.	11	15	823.	1	7	25.	258.	0	0
1953-54	1324.	178.	0	488.	1	25	565.	1	25	120.	578.	0	0
1954-55	651.	50.	0	154.	1	18	334.	11	22	6.8	207.	0	0.7
1955-56	2229.	591.	0	1339.	1	26	1420.	1	27	402.	982.	0	0
1956-57	926.	111.	0	142.	2	23	795.	10	4	124.	416.	0	0
1957-58	9642.	447.	0	6508.	4	3	1020.	2	4	498.	1563.	0	68.3
1958-59	1055.	160.	0	465.	1	6	1280.	2	16	158.	712.	0	POOL
1959-60	1052.	40.	0	131.	1	11	329	8	3	2.3	404.	0	0
1960-61	1035.	131.	0	488.	11	6	1260.	11	25	360.	505.	0	0
1961-62	7014.	970.	0	5260.	2	11	1840.	2	11	812.	2209.	0	0
1962-63	1215.	289.	0	251.	2	9	1290.	6	21	51.	783.	0	9.7
1963-64	860.	81.	0	170.	1	21	727.	6	26	214.	408.	0	0
1964-65	1721.	170.	0	246.	4	9	755.	5	10	35.	1105.	0	10

YEAR	INFLOW			OUTFLOW	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX. DAY C.F.S.	MIN. DAY C.F.S.	ANNUAL A.F.	MO.	DAY	C.F.S.	MO.	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
EATON DAM													
1936-37	3062.	112.	0	1502.	2	14	112. 1/	VAR. TIMES		40.	613.	0	0
1937-38	6993.	883.	0	5213.	3	2	2670.	3	2	2700.	963.	0	0 2/
1938-39	340.	51.	0	84.	12	18	169.	12	19	29.	112.	0	62.
1939-40	390.	31.	0	96.	1	6	220.	10	8	13.	149.	0	0 2/
1940-41	7323.	188.	0	6089.	2	20	426.	2	20	256.	432.	0	0.1 2/
1941-42	78.	11.	0	0	12	10	73.	-	-	0	47.	0	0
1942-43	7212.	498.	0	6399.	1	23	1700.	1	23	1100.	643.	0	0
1943-44	2901.	265.	0	1970.	2	22	371.	3	14	268.	398.	0	+
1944-45	331.	52.	0	101.	11	11	204.	2	2	26.	107.	0	0
1945-46	514.	77.	0	265.	12	23	284.	12	22	121.	174.	0	0
1946-47	746.	74.	0	507.	11	13	286.	12	26	86.	211.	0	0
1947-48	64.	11.	0	5.0	4	28	90.	12	4	9.0	39.	0	0.8
1948-49	36.	4.7	0	1.2	1	20	9.9	12	18	0.3	7.1	0	0
1949-50	188.	23.	0	61.	12	18	88.	11	14	62.	54.	0	0
1950-51	44.	3.8	0	7.5	1	11	80.	5	3	3.9	13.	0	0
1951-52	2636.	151.	0	2020.	1	16	495.	1	18	204.	381.	0	0
1952-53	145.	18.	0	0	12	1	225.	-	-	0	57.	0	0
1953-54	533.	56.	0	202.	1	19	220.	2	14	72.	221.	0	0
1954-55	146.	14.	0	0	1	18	91.	-	-	0	42.	0	0
1955-56	330.	123.	0	151.	1	26	422.	1	26	41.	215.	0	0
1956-57	127.	20.	0	9.2	2	23	138.	6	6	10.	36.	0	0
1957-58	3114.	150.	0	2248.	4	1	443.	4	4	140.	635.	0	0
1958-59	301.	46.	0	152.	1	6	702.	2	16	164.	93.	0	0
1959-60	60.	5.8	0	0	1	11	48.			0	19	0	0
1960-61	61.	10.	0	0	1	26	39.	7	28	+	20.	0	0
1961-62	1729.	322.	0	1299.	2	11	737.	2	11	204.	559.	0	0
1962-63	177.	51.	0	19.	2	9	198.	5	10	32.	130.	0	1.6
1963-64	222.	38.	0	33.	1	22	246.	5	12	18.	107.	0	0
1964-65	534.	49.	0	328.	4	9	220.	4	9	114.	247.	0	1.7

TABLE XVI (Continued)

YEARLY RESERVOIR OPERATION SUMMARY

YEAR	INFLOW			OUTFLOW	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX. DAY C.F.S.	MIN. DAY C.F.S.	ANNUAL A.F.	MO.	DAY	C.F.S.	MO.	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
BIG SANTA ANITA DAM													
1926-27*	1208.	13.	0.4	1030.			N.D.			N.D.	668.	147.	312.
1927-28	1009.	22.	0.1	1162.			N.D.			N.D.	244.	0	97.
1928-29	1214.	30.	0	1256.			N.D.			N.D.	630.	11.	94.
1929-30	1276.	25.	0.1	964.			N.D.			N.D.	711	9.0	302.
1930-31	989.	34.	0	1155.			N.D.			N.D.	316.	25.	87.
1931-32	4010.	236.	0.1	3883.			N.D.	12	28	112.	614.	20.	130.
1932-33	2190.	152.	0	2022.	1	19	390.	1	22	34.	805.	58.	414.
1933-34	2603.	322.	0	2622.	1	1	800.±	1	1	400.	695.	54.	231.
1934-35	3693.	92.	0.1	3585.	4	8	449.	4	8	146.	763.	18.	340.
1935-36	2480.	84.	0	2535.	2	12	228.	2	17-19	52.+	686.	33.	265. 2/
1936-37	8798.	192.	0	8616.	2	6	313.	2	14	140.	1022.	108.	448.
1937-38	16594.	1778.	1.3	16689.	3	2	5140.	3	2	5070.	1202.	0	0 2/
1938-39	2726.	74.	0.4	2461.	12	19	159.	9	26	50. EST.	435.	0	265.
1939-40	2743.	62.	0.4	2664.	1	8	378.	2	4	73.	573.	0	312. 2/
1940-41	15225.	238.	0.4	15235.	3	4	300.±	VAR. TIMES			260.	512.	0
1941-42	2070.	25.	0.6	2140.	12	29	53.	12	29	31	571.	209.	232.
1942-43	19371.	1113.	0.6	19440.	1	23	3100.	1	23	3060.	717.	0	0
1943-44	7463.	514.	1.3	7294.	2	22	813.	2	22	573.	540.	0	169.
1944-45	4147.	101.	1.1	4133.	11	11	303.	VAR. TIMES			260.	650.	7.6
1945-46	3426.	164.	0.8	3360.	12	23	492.	12	22	298.	673.	124.	250.
1946-47	4489.	122.	0.7	4462.	11	20	382.	12	26	203.	439.	0	277.
1947-48	1075.	14.	0.3	1243.	4	28	41.	2	5	5.2	413.	109.	109.
1948-49	1031.	17.	0.2	983.	1	20	32.	1	20	10.	348.	65.	157.
1949-50	1357.	30.	0.2	1311.	12	18	115.	12	19	25.	383.	123.	204.
1950-51	460.	4.5	0.1	497.	1	11	9.7	4	24	56.	256.	89.	167.
1951-52	8408.	351.	0.1	8292.	1	16	837.	1	16	478.	483.	0	282.
1952-53	1562.	20.	0.5	1729.	12	1	153.	11	30	39.	344.	115.	115.
1953-54	3302.	201.	0.4	3412.	1	24	1240.	1	25	570.	555.	0	5.4
1954-55	1492.	18.	0.3	1437.	11	11	173.	3	16	92.	187.	0	0
1955-56	2218.	175.	0.3	2196.	1	26.	569.	1	28	120.	458.	0	23.
1956-57	1535.	36.	0.5	1431	2	23	122.	1	13	39.	261	23.	126.
1957-58	11696.	298.	0.7	11715.	4	3	618.	4	3	230.	607.	21.	64.
1958-59	2183.	66.	0.6	2033.	1	6	622.	2	16	46.	259.	66.	214.
1959-60	954.	6.5	0.1	1152.	2	1	16.	7	5	27.	346.	0	16.
1960-61	527.	12.	0.1	407.	1	26	65.	6	21	19.	186.	14.	134.
1961-62	6328.	682.	0.1	6242.	2	11	1464.	2	11	1350.	639.	0	220.
1962-63	1628.	56.	0.7	1848.	2	9	368.	7	16	105.	360.	0	0
1963-64	1219.	32.	+	1144.	4	1	53.	1	15	286.	322.	0	75.
1964-65	2039.	50.	0	1988.	4	9	130.	4	16	289.	352.	0	126.

YEAR	INFLOW			OUTFLOW	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX. DAY C.F.S.	MIN. DAY C.F.S.	ANNUAL A.F.	MO.	DAY	C.F.S.	MO.	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
SAWPIT DAM													
1927-28*	26.	N.D.	0	39.			N.D.			N.D.	66.	N.D.	27.
1928-29	96.**	5.3	0	108.**			N.D.			N.D.	91	0	16.
1929-30	219.**	7.9	0	208.**	3	15	7.9 1/	9	30	3.1 1/	195.	0	11.
1930-31	97.**	3.9	0	68.**	2	5	3.9 1/	5	16	3.0	87.	0	29.
1931-32	710.	56.	0	726.	2	9	76.	2	17	16.	234.	0	12.
1932-33	184.	8.6	0	185.	1	20	8.6 1/	1	27	7.2 1/	112.	0	0
1933-34	468.	106.	0	457.	1	1	240.	1	1	136.	156.	0	0
1934-35	548.	36.	0	540.	4	8	168.	12	15	25. EST.	146.	0	0
1935-36	574.	22.	0	574.	2	11	72.	2	15	22.	91.	0	0 2/
1936-37	1434.	96.	0	1401.	2	14	36. 1/	2	14	34. 1/	93.	0	33.
1937-38	2909.	384.	0	2868.	3	2	1070.	3	2	665.	447.	0	0 2/
1938-39	232.	17.	0	170	9	25	17. 1/	9	25	16. 1/	61.	0	58.
1939-40	264.	11.	0	308.	1	8	39.	1	7	20. EST.	62.	15	15.
1940-41	2180.	63.	0	2195.	3	4	109.	3	5	59.	114.	0	0 2/
1941-42	107.	3.7	0	39.	12	29	4.8	3	14	2.5	75.	0	69.
1942-43	2966.	162.	0	2950.	1	23	520.	1	23	284.	300.	0	58.
1943-44	747.	73.	0	743.	2	22	138.	2	22	70.	133.	0.2	62.
1944-45	316.	16.	0	319.	11	11	59.	11	12	18.	65.	16.	59.
1945-46	254.	24.	0	250.	12	23	85.	12	23	36.	78.	8.6	58.
1946-47	362.	23.	0	361.	11	20	77.	12	26	26.	66.	1.6	47.
1947-48	23.	0.3	0	5.1	4	28	2.9	5	14	0.1	63.	45.	58.
1948-49	42.	0.4	0	32.	3	10	0.9	2	9	18.	63.	48.	56.
1949-50	86.	2.1	0	77.	12	18	7.9	6	30	2.6	63.	55.	56.
1950-51	32.	0.8	0	32.	1	11	2.4	1	15	46.	56.	23.	46.
1951-52	1112.	60.	0	1092.	1	16	226.	1	16	46.	120.	38.	62.
1952-53	98.	3.2	0	82.	12	1	34.	11	24	26.	63.	0	57.
1953-54	274.	14.	0	263.	1	24	105.	2	13	30.	60.	54.	42.
1954-55	142.	4.3	0	139.	11	11	73.	11	11	25.	46.	42.	42.
1955-56	204.	37.	+	210.	1	26	148.	1	26	35.	78.	29.	33.
1956-57	80.	0.8	0	65.	2	23	8.1	2	23	3.3	43.	32.	40.
1957-58	1371.	46.	0	1368.	4	3	112.	4	3	54.	62.	29.	42.
1958-59	815.	36.	0.1	804.	1	6	1600.	2	16	16.	130.	0	3.0
1959-60	201.	4.8	+	163.	4	27	70.	4	27	34.	44.	3.0	41.
1960-61	111.	1.7	0	144.	11	5	12.	1	26	4.5	42.	8.6	8.6
1961-62	1269.	122.	0.1	1236.	2	11	282.	2	11-12	146.	159.	0	32.
1962-63	256.	12.	0.1	256.	2	9	77.	2	9	42.	37.	32.	32.
1963-64	271.	3.7	0	294.	1	21	10.	5	12	130.	33.	0	8.6
1964-65	405.	9.7	0.1	355.	4	9	27.	4	9	23.	60.	8.8	58.

TABLE XVI (Continued)

YEARLY RESERVOIR OPERATION SUMMARY

YEAR	INFLOW			OUTFLOW	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX. DAY C.F.S.	MIN. DAY C.F.S.	ANNUAL A.F.	MO.	DAY	C.F.S.	MO.	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
COGSWELL DAM													
1934-35*	3517.*	54.	0.1	3517.	4	18	54. 1/	4	14	55. 1/	780.	0	0
1935-36	7154.	265.	0	7138.	2	12	265. 1/	2	17	43. 1/	2866.	0	16.
1936-37	32986.	943.	0.1	32996.	2	14	1240.	2	14	752.	10611.	0	5.
1937-38	60336.	7992.	1.4	58799.	3	2	24710.	3	2	23430.	14091.	0	16. 2/
1938-39	11560.	673.	0.9	11369.	9	25	1360.	9	25	1160.	2141.	0	20.
1939-40	9634.	309.	0.8	9569.	1	8	2020.	1	15	1240.	1541.	0	2.7 2/
1940-41	61270.	1402.	0.5	59951.	2	20	1640.	2	20	1160.	9847.	2.7	1321. 2/
1941-42	6080.	108.	0.3	7331.	12	10	294.	11	1	90.	1252.	1.4	1.4
1942-43	54700.	4316.	0.7	53703.	1	23	15000.	1	23	7100.	8383.	0	0
1943-44	36150.	2665.	1.4	37460.	2	22	4650.	2	22	1160.	9031.	0	424.
1944-45	11687.	424.	1.4	10985.	11	11	1600.	10	31	420.	3378.	0	1719.
1945-46	14711.	1255.	0.8	16377.	3	30	2790.	3	30	810.	1952.	0	6.3
1946-47	20135.	1032.	0.1	20135.	12	25	2290.	1	6	1300.	2853.	0	0
1947-48	3103.	86.	0.3	3032.	4	29	262.	2	5	28.	439.	0	47.
1948-49	2911.	32.	0.3	2765.	1	20	65.	7	21	19.	2215.	47.	64.
1949-50	3778.	99.	0.4	3536.	12	18	239.	3	2	84.	2785.	64.	127.
1950-51	887.	9.6	0.3	568.	4	29	24.	9	6	14.	627.	49.	353.
1951-52	33783.	1263.	0.3	25439.	1	16	2640.	1	18	1940.	10671.	75.	8111.
1952-53	4410.	70.	0.8	12345.	12	1	254.	1	9	328.	8111.	23.	31.
1953-54	8004.	412.	0.3	7500.	1	24	1030.	1	26	146.	5108.	31.	257.
1954-55	3941.	51.	0.3	3165.	4	30	176.	10	1	37.	2896.	42.	806.
1955-56	4070.	419.	0.1	3564.	1	26	1040.	4	19	14.	2664.	153.	1092.
1956-57	3421.	225.	0.2	3757.	1	13	685.	11	10	156.	2014.	42.	548.
1957-58	36476.	1462.	0	34530.	4	3	3710.	4	4	1230.	10425.	78.	1876.
1958-59	4904.	340.	0.4	6205.	1	6	1760.	2	16	126.	1876.	135.	315.
1959-60	1935.	27.	0.5	2006.	1	10	65.	7	1	16.	1397.	70.	70.
1960-61	1106.	36.	0.4	572.	1	26	116.	10	25	12.	593.	59.	467.
1961-62	25497.	3479.	0.3	23255.	2	11	7011.	2	11	2266.	7992.	34.	1952.
1962-63	3220.	153.	0.6	4783.	2	9	1017.	10	16	53.	2375.	88.	149.
1963-64	2587.	89.	0.4	2647.	4	1	276.	6	24	360.	1312.	8.8	8.8
1964-65	5037.	266.	0.3	4159.	4	9	479.	4	9	53.	3604	8.8	660.

YEAR	INFLOW			OUTFLOW	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX. DAY C.F.S.	MIN. DAY C.F.S.	ANNUAL A.F.	MO.	DAY	C.F.S.	MO.	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
SAN GABRIEL DAM													
1937-38*	339155.	30720.	37.	332893.	3	2	89320.	3	2	56700.	58600.	0	53. 2/
1938-39	67231.	1328.	23.	61655.	12	19	2780.	5	11	3050.	5793.	48.	5793.
1939-40	58554.	757.	18.	63386.	1	8	2270.	4	16	4200.	12146.	349.	373. 2/
1940-41	306801.	3941.	20.	305515.	2	20	5780.	3	3	6300.	43386.	248.	248.
1941-42	50285.	297.	20.	49759.	12	29	468.	11	7	8880.	6661.	224.	268.
1942-43	271286.	17180.	20.	267085.	1	23	46000.	1	23	10360.	31345.	236.	964.
1943-44	184923.	5708.	43.	184622.	2	22	9860.	5	20	4970.	32980.	SUMP ONLY	SUMP ONLY
1944-45	91961.	1300.	28.	90131.	11	11	6440.	3	26	9100.	23055.	SUMP ONLY	973.
1945-46	99531.	2984.	28.	89502.	12	21	5760.	4	4	9200.	30395.	336.	9739. 2/
1946-47	107688.	3337.	18.	104088.	12	26	6520.	12	28	7670.	19196.	2003.	11970.
1947-48	29259.	257.	9.9	37794.	4	29	506.	12	12	2660.	12342.	1703.	1703.
1948-49	24728.	94.	11.	21545.	1	20	120.	6	2	3780.	9191.	267.	4026.
1949-50	27797.	266.	9.5	27736.	12	19	448.	12	5	3150.	6925.	1068.	3196.
1950-51	10169.	54.	3.0	13002.	1	11	174.	4	20	211.	3196.	0	0
1951-52	159048.	3339.	3.9	118918.	1	16	6130.	1	16	5200.	41282.	0	38209.
1952-53	41270.	375.	7.5	77961.	12	1	544.	12	22	6260.	38209.	0	184.
1953-54	60515.	1276.	8.3	56517.	1	25	2940.	4	10	3910.	4955.	0	3399.
1954-55	39159.	171.	18.	37304.	4	30	313.	4	15	2610.	8349.	1163.	4455.
1955-56	35215.	950.	14.	38127.	1	26	2250.	9	19	1780.	10166.	558.	558.
1956-57	37210.	1088.	15.	35069	1	13	2850.	4	12	705.	7213.	0	1866.
1957-58	230745.	4270.	21.	229610.	4	3	6900.	4	5	2580.	42791.	0	2018.
1958-59	43762.	1030.	14.	43100.	1	6	3080.	2	24	460.	8013.	862.	2040.
1959-60	19474.	112.	5.0	19258.	4	28	168.	7	8	405.	4170.	952.	1609.
1960-61	12041.	122.	2.2	12698.	11	5	634.	5	15-16	460.	3720.	26.5	32.
1961-62	116890.	6353.	3.4	112380.	2	11	13960.	2	15	1980.	29860.	26.5	2717.
1962-63	25930.	512.	6.2	24587.	2	9	2443	VAR. TIMES		82.	6515.	1130.	3135.
1963-64	24009.	287.	5.2	22601	4	1	504.	10	26	50*	9005.	1301.	3549.
1964-65	36281.	396.	5.5	34427.	4	9	1067.	6	5	1483.	17754.	969.	4218.

TABLE XVI (Continued)

YEARLY RESERVOIR OPERATION SUMMARY

BIG DALTON DAM

YEAR	INFLOW			OUTFLOW	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX. DAY C.F.S.	MIN. DAY C.F.S.	ANNUAL A.F.	MO.	DAY	C.F.S.	MO.	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
1929-30	52.	3.2	1.8	52.	3	16	3.2+	4	29	1.8 1/	39.	0	0
1930-31	41.	2.0	0	41.	4	26	3.0	3	11	16.	26.	0	0
1931-32	690.	54.	0	688.	2	9	86.	2	11	134.	269.	0	2.0
1932-33	79.	5.2	0	81.	1	20	12.	9	22	4.0	63.	0	0
1933-34	448.	93.	0	448.	1	1	227.	1	18	9.3 1/	319.	0	0
1934-35	593.	21.	0	575.	4	8	49.	9	23	6.1	577.	0.5	19. 2/
1935-36	360.	12.	0	370.	2	11	72.	7	29	3.5 1/	352.	6.7	9.
1936-37	1879.	51.	0	1868.	2	6	98.	2	16	20.	1007.	8.5	20.
1937-38	3271.	415.	0	3192.	3	2	1320.	3	2	739.	1021.	9.0	16. 2/
1938-39	280.	4.3	0	288.	1	5	26.	7	8	2.7	272.	4.5	9.
1939-40	232.	4.0	0	236.	1	8	29.	9	11	2.7	230.	4.5	4.
1940-41	2767.	56.	+	2748.	3	4	88.	3	5	65.	971.	4.5	24.
1941-42	209.	2.3	0	233.	3	14	6.0	8	-	0	153.	0	0
1942-43	3143.	160.	0.1	3110.	1	23	595.	3	4-6	111. 1/	760.	0	13.
1943-44	1087.	109.	0.05	1085.	2	22	226.	2	23	55.	603.	13.	15.
1944-45	734.	19.	0	729.	11	11	47.	8	27	3.9	706.	15.	20.
1945-46	525.	40.	0	509.	12	23	148.	8	3-5	3.0 1/	547.	20.	36.
1946-47	492.	16.	0	512.	11	20	56.	12	30	12.	358.	14.	16.
1947-48	58.	0.7	0	7.7	4	28	9.7	12	22	9.9	66.	13.	64.
1948-49	94.	0.8	0	113.	12	17	3.3	9	15	7.9	119.	20.	23.
1949-50	142.	2.0	0	130.	2	6	3.5	1	21	11.	90.	4.0	19.
1950-51	27.	0.1	+	14.	1	11	4.8	7	9	2.2	34.	19.	22.
1951-52	1626.	73.	0	1577.	1	16	154.	1	19	33.	621.	22.	33.
1952-53	120.	1.4	+	68.	12	1	4.8	1	7	31.	71.	0.1	69.
1953-54	346.	13.	0	359.	1	25	53.	2	15	9.0	310.	25.	26.
1954-55	87.	0.9	+	5.0	1	18	2.4	-	-	0	93.	26.	89.
1955-56	190.	14.	+	213.	1	26	56.	8	7	38.	176.	21.	46.
1956-57	76.	0.9	+	27.	1	13	1.8	11	9	18.	82.	21.	80.
1957-58	2104.	97.	0	2052.	4	3	169.	4	5	50.	947.	21.	63.
1958-59	160.	6.4	+	133.	2	16	26.	4	13	28.	153.	30.	64. 2/
1959-60	54.	0.6	+	11.	4	27	4.8	7	21	5.0	100.	64.	85.
1960-61	187.	17.8	0	1510.	11	5	462.	10	26	18.	93.	0	47.
1961-62	1222.	63.	0	933.	12	2	1133.	2	19	30.	618.	47.	248.
1962-63	248.	20.	0.1	159.	2	9	92.	10	8	38.	283.	131.	282.
1963-64	165.	2.8	0	300.	3	22	30.	3	30	20.	333.	79.	90.
1964-65	380.	18.	0	15.	4	9	73.	4	26	20.	325.	90.	208.

SAN DIMAS DAM

YEAR	INFLOW			OUTFLOW	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX. DAY C.F.S.	MIN. DAY C.F.S.	ANNUAL A.F.	MO.	DAY	C.F.S.	MO.	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
1927-28	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	249.	0	0
1928-29	N.D.	N.D.	0	N.D.			N.D.			N.D.	486.	0	0
1929-30	591.	28.	0	573.			N.D.			N.D.	535.	0	27.
1930-31	585.	23	0	466.			N.D.			N.D.	217.	21.	46.
1931-32	2502.	162.	0	2496.	2	9	162. 1/	2	10	69.+	775.	25.	51.
1932-33	652.	50.	0	648.			N.D.	1	24	17.	269.	21.	56.
1933-34	1351	229.	0	1357.	1	1	422.	1	4	120.	500.	39.	50.
1934-35	1753.	60.	0	1682.	4	8	145.	VAR. TIMES		14.+	1184.	48.	121.
1935-36	1094.	35.	0	1136.	2	11	155	4	10	135.	696.	32.	32. 2/
1936-37	6315.	154.	0	6126.	2	6	296.	2	7	127.	1301.	27.	222. 2/
1937-38	12492.	1601.	0.4	12494.	3	2	4920.	3	2	4690.	1704.	0	0. 2/
1938-39	2165.	43.	0.2	2024.	1	5	80.	12	19	24.	550.	0	141.
1939-40	1532.	60.	0	1600.	1	8	302.	2	4	36.	778.	23.	68. 2/
1940-41	9645.	131.	0.1	9240.	3	4	235.	VAR. TIMES		145.	1171.	13.	473. 2/
1941-42	1603.	16.	0.2	1855.	12	10	29.	12	12	23.	624.	173.	173.
1942-43	9271.	573.	0.5	9095.	1	23	1700.	1	23	1230.	1153.	58.	276.
1943-44	5348.	398.	0.1	5423.	2	22	785.	2	22	55S.	1042.	78.	173.
1944-45	3747.	97.	0.9	3811.	11	11	375.	2	3	51.	1042.	36.	109.
1945-46	2560.	149.	0.1	2368.	12	23	519.	12	23	154.	845.	74.	302.
1946-47	2705.	100.	0.1	2982.	11	20	340.	11	20	60.	387.	17.	25.
1947-48	720.	10.	0	706.	2	5	15.	8	4	4.7	590.	25.	38.
1948-49	728.	11.	0.1	694.	1	20	19.	1	22	5.3	498.	38.	72.
1949-50	734.	25.	0.1	750.	12	18	55.	4	3	60.	500.	51.	56.
1950-51	300.	5.3	0.1	301.	4	29	16.	4	11	4.8	146.	49.	55.
1951-52	4864.	208.	0.1	4593.	1	16	453.	3	16	252.	1032.	55.	326.
1952-53	822.	9.8	0.1	1092.	12	1	25.	3	17	6.1	486.	52.	55.
1953-54	1514.	97.	0.1	1501.	1	25	327.	2	14	88.	616.	52.	68.
1954-55	561.	11.	0.1	526.	1	18	27.	6	20.	6.4	417.	58.	95.
1955-56	736.	98.	0.1	767.	1	26	362.	1	26	54.	467.	53.	64.
1956-57	462.	12.	0.1	433.	1	13	41.	6	29	5.0	280.	41.	83.
1957-58	6786.	299.	0	6503.	4	3	753.	4	3	270.	996.	83.	366.
1958-59	931.	37.	0.1	1239.	2	16	189.	2	18	20.	419.	50.	58.
1959-60	408.	6.7	0.1	455.	2	8	11.	VAR. TIMES		5.8	325.	5.0	12.
1960-61	468.	31.	0.05	250.	11	5	397.	8	1	20.	440.	12.	110.
1961-62	3206.	224.	0.02	2654.	11	20	2522.	12	3	215.	650.	0	380.
1962-63	1001.	81.	0.1	1108.	2	9	440.	2	9	404.	377.	105.	170.
1963-64	680.	18.	0	711.	1	22	121.	4	7	24.	505.	57.	57.
1964-65	1118.	53.	0	1175.	4	9	232.	4	9	179.	154.	0	0

TABLE XVI (Continued)

YEARLY RESERVOIR OPERATION SUMMARY

YEAR	INFLOW			OUTFLOW	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX. DAY C.F.S.	MIN. DAY C.F.S.	ANNUAL A.F.	MO.	DAY	C.F.S.	MO.	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
PUDDINGSTONE DIVERSION DAM													
1931-32	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	63.	0	0
1932-33	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	70.	0	0
1933-34	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	70.	0	0
1934-35	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	18.	0	0
1935-36	304.	48.	0	304.*	4	10	85.	4	10	1400.	119.	0	0 2/
1936-37	5019.	104.	0	4646.	2	15	104. 1/	3	27	1690.	111.	0	0
1937-38	11697.	1636.	0	11509.	3	2	5760.	3	2	5780.	149.	0	8.0 2/
1938-39	1288.	28.	0	1293.*	1	10	23.	12	19	30. EST.	6.0	0	0
1939-40	350.	26.	0	155.	1	8	33.	2	4	25.	27.	0	0 2/
1940-41	7213.	133.	0	6776.	3	14	155.	3	14	154.	30.	0	0
1941-42	341.	13.	0	203.	12	12	24.	12	29	10.	27.	0	0
1942-43	8593.	970.	0	7939.	1	23	2040.	1	23	2040.	76.	0	0
1943-44	3406.	357.	0	3010.	2	22	724.	2	22	724.	60.	0	0
1944-45	1719.	64.	0	1294.	2	2	88.	2	2	74.	54.	0	0
1945-46	970.	159.	0	773.	12	23	234.	12	23	229.	58.	0	0
1946-47	1400.	55.	0	1109.	12	26	58.	12	26	58.	52.	0	0
1947-48	0	0	0	0			0			0	0	0	0
1948-49	0	0	0	0			0			0	0	0	0
1949-50	0	0	0	0			0			0	0	0	0
1950-51	0	0	0	0			0			0	0	0	0
1951-52	3366.	158.	0	2910.	1	16	201.	3	16	208.	61.	0	0
1952-53	0	0	0	0			0			0	0	0	0
1953-54	628.	57.	0	429.	2	14	82.	2	14	80.	65.	0	0
1954-55	0	0	0	0			0			0	0	0	0
1955-56	196.	34.	0	128.	1	26	93.	1	27	39.	63.	0	0
1956-57	0	0	0	0			0			0	0	0	0
1957-58	5938.	227.	0	5172.	4	3	284.	4	3	253.	71.	0	0
1958-59	89.	14.	0	49.	2	18	18.	2	17	7.3	31.	0	0
1959-60	0	0	0	0			0			0	0	0	0
1960-61	146.	11.	0	64.	11	26	137.	7	20-21	15.	31.	0	0
1961-62	3277.	152.	0	3106.	11	20	2106.	11	20	625.	105.	0	0
1962-63	627.	95.	0	515.	2	9	640.	2	9	260.	119.	0	0
1963-64	112.	19.	0	67.	1	22	55.	4	9	46.	76.	0	0
1964-65	873.	69.	0	538.	4	9	239.	5	11	35.	194.	0	0

YEAR	INFLOW			OUTFLOW	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX. DAY C.F.S.	MIN. DAY C.F.S.	ANNUAL A.F.	MO.	DAY	C.F.S.	MO.	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
PUDDINGSTONE DAM													
1927-28	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	437.	N.D.	211.
1928-29	114.	12.	0	151.			N.D.	10	10	2.0	274.	162.	178.
1929-30	295.	15.	0	223.			N.D.	9	11	4.5	431.	145.	250.
1930-31	73.	8.5	0	119.	4	26	8.5 1/	10	16	+2.4 1/	252.	189.	204.
1931-32	1547.	162.	0	1086.	2	8	162. 1/	VAR. TIMES		+9.5 1/	1732.	192.	665.
1932-33	314.	30.	0	906.	1	18	30. 1/	11	20	+6.1 1/	653.	70.	70.
1933-34	2669.	596.	0	1809.	1	1	596. 1/	VAR. TIMES		+6.0 1/	2685.	28.	854.
1934-35	610.	N.D.	N.D.	846.	1	15	205.	VAR. TIMES		5.2	1283.	516.	517.
1935-36	703.	54.	0	969.	4	10	590.	12	26	5.3 1/	943.	250.	250.
1936-37	5732.	303.	0	2173.	2	6	1480.	VAR. TIMES		+11. 1/	5838.	147.	3808.
1937-38	12221.	2199.	0	7544.	3	2	5310.	3	18	100.	12881.	3060.	8486.
1938-39	1576.	101.	0	5305.	12	19	101. 1/	VAR. TIMES		+27. 1/	8486.	4626.	4756.
1939-40	646.	54.	0	2524.	1	7	448.	6	19	11.	4745.	2109.	2109.
1940-41	12030.	377.	0	3908.	3	4	1080.	6	10	14.	12739.	1494.	9668. 2/
1941-42	475.	30.	0	4385.	12	10	409.	12	2	91.	9668.	4612.	4612.
1942-43	10043.	1126.	0	4836.	1	23	2300.	3	4	287.	11271.	3925.	8320.
1943-44	3408.	525.	0	3178.	2	22	1030.	3	2	49.	9700.	7022.	7138.
1944-45	1615.	139.	0	2376.	11	11	484.	9	28	8.0	7866.	5412.	5412.
1945-46	1591.	275.	0	6009.	12	23	929.	VAR. TIMES		32.	5412.	237.	237.
1946-47	1414.	96.	0	788.	11	13	445.	8	8	9.3	1576.	236.	543.
1947-48	324.	31.	0	362.	12	5	195.	8	8	9.1	569.	274.	274.
1948-49	336.	21.	0	201.	3	13	240. 3/	7	29	7.7	513.	232.	232.
1949-50	493.	55.	0	140.	2	6	178.	VAR. TIMES		5.0	659.	227.	419.
1950-51	182.	15.	0	145.	1	29	162.	10	19	7.0	419.	257.	309.
1951-52	4673.	353.	0	1857.	1	16	952.	VAR. TIMES		9.4	4815.	299.	2512.
1952-53	928.	32.	0	1140.	12	1	358.	5	13	9.7	2512.	1511.	1807.
1953-54	31282. 3/	244.	0	31609.	1	25	600.	9	23	400.	9729.	237.	237.
1954-55	26065. 3/	255.	0	23287.	11	11	338. 3/	12	10	388.	8248.	227.	1743.
1955-56	57309. 3/	458.	0	50771.	1	26	1360.	12	22	373.	9800.	1743.	5585.
1956-57	50583. 3/	216.	0	53781.	1	13	262.	4	26	401.	9765.	977.	1832.
1957-58	6670.	302.	0	1976.	4	3	590.	VAR. TIMES		8.0	8254.	1824.	5820.
1958-59	394.	68.	0	72.	1	6	871.	VAR. TIMES		0.1	5845.	5086.	5086.
1959-60	837.	80.	0	40.	1	12	148.	VAR. TIMES		0.1	5086.	4424.	4840.
1960-61	10900.	198.	0	9416.	11	6	179.	11	16	292.	11911.	3850.	4567.
1961-62	4463.	173.	0	33.	12	2	963.	4	2	445.	8469.	4428.	7618.
1962-63	927.	139.	0	464.	2	10	325.	11	28	21.	7615.	6932.	6769.
1963-64	594.	33.	0	0	VAR TIMES		242.			0	6784.	6040.	6040.
1964-65	2675.	153.	0	7401	4	9	1767.	9	16	313.	6670.	197.	197.

TABLE XVI (Continued)

YEARLY RESERVOIR OPERATION SUMMARY

YEAR	INFLOW			OUTFLOW	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX. DAY C.F.S.	MIN. DAY C.F.S.	ANNUAL A.F.	MO.	DAY	C.F.S.	MO.	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30.
LIVE OAK DAM													
1931-32	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	115.	0	0
1932-33	0	0	0	0			0			0	0	0	0
1933-34	N.D.	N.D.	N.D.	142.			N.D.	1	2	9.0	160.	0	0
1934-35	27.	2.3	0	9.5	4	8	16.	7	19	0.6	26.	0	0
1935-36	N.D.	4.1	0	0			N.D.			0	33	0	4.0 2/
1936-37	494.	35.	0	413.	2	6	139.	2	6	36.	97.	0	0
1937-38	800.	147.	0	785.	3	2	339.	3	2	200.	217.	0	0 2/
1938-39	21.	1.0	0	3.2	2	3	1.4	9	16	8.0	21.	0	0
1939-40	16.	1.2	0	1.4	1	8	11.	5	31	10.	16.	0	0
1940-41	719.	39.	0	718.	3	4	90.	3	13	28.	139.	0	0
1941-42	0	+	+	0			+			+	+	0	0
1942-43	827.	78.	0	827.	1	22	170.	1	23	50.	170.	0	0
1943-44	218.	33.	0	218.	2	22	74.	2	22	20.	71.	0	0
1944-45	177.	9.4	0	177.	2	2	67.	2	3	12.	53.	0	0
1945-46	105.	22.	0	89.	12	23	127.	12	25	2.1	68.	0	0
1946-47	64.	7.5	0	45.	11	20	25.	12	30	2.1	43.	0	0
1947-48	0	0	0	0			0			0	0	0	0
1948-49	0	0	0	0			0			0	0	0	0
1949-50	4.7	0.3	0	3.6	12	19	2.6	6	13	0.5	4.2	0	0
1950-51	0	0	0	0			0			0	0	0	0
1951-52	362.	34.	0	343.	1	16	148.	1	18	21.	64.	0	3.4
1952-53	2.0	0.05	0	3.2	12	1	0.8	10	9	0.4	3.4	0	0.1
1953-54	78.	13.	0	64.	1	25	82.	5	26	9.1	39.	0	0
1954-55	0.3	0.05	0	0.3			N.D.			0	0.2	0	0
1955-56	77.	25.	0	72.	1	26	128.	1	27	6.2	61.	0	0
1956-57	1.9	0.1	0	0.1	1	13	1.1	5	29	0.5	0.2	0	0
1957-58	699.	38.	0	699.	4	3	67.	2	4	19.	128.	0	0
1958-59	5.6	0.8	0	5.4	1	6	9.2	4	13	0.6	5.4	0	0
1959-60	0	0	0	0			0			0	0	0	0
1960-61	4.8	0.7	0	0	11	6	22.			0	3.8	0	0
1961-62	186.	29.	0	111.	11	20	366.	2	25	11.	80.	0	0
1962-63	13.	5.8	0	5.4	2	9	23.	2	25	4.0	12.	0	0
1963-64	4.8	0.8	0	0	3	22	6.2			0	2.9	0	+
1964-65	20.	6.8	0	15.	4	9	58.	4	15	1.1	18.	0	0

YEAR	INFLOW			OUTFLOW	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX. DAY C.F.S.	MIN. DAY C.F.S.	ANNUAL A.F.	MO.	DAY	C.F.S.	MO.	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
THOMPSON CREEK DAM													
1931-32	81.± EST.	N.D.	N.D.	81.± EST.	2	9	91.	2	8	5.0	62.	0	0
1932-33	0	0	0	0			0			0	0	0	0
1933-34	N.D.	N.D.	N.D.	0			N.D.			0	112.	0	0 2/
1934-35	1.±	N.D.	N.D.	0			N.D.			0	1.0	0	0
1935-36	1.±	N.D.	N.D.	0			N.D.			0	1.0	0	0
1936-37	274.	24.	0	0			N.D.			0	204.	0	0
1937-38	1099.	259.	0	872.	3	2	580.	3	3	120.	632.	0	4.0
1938-39	21.	0.6	0	0	1	30	1.1			0	8.5	0	0
1939-40	49.	4.5	0	0	1	7	26.			0	20.	0	0
1940-41	640.	46.	0	2.6	3	4	97.	3	14	4.2	329.	0	2.1
1941-42	0.3	0.05	0	0	12	10	0.5	3	14	1.0 EST.	2.1	0	0
1942-43	767.	121.	0	333.	1	23	270.	1	25	17.	360.	0	1.5
1943-44	286	56.	0	0	2	22	111.			0	159.	0	0
1944-45	149.	18.	0	0	11	12	132.			0	83.	0	0
1945-46	148.	25.	0	0	12	23	120.			0	90.	0	0
1946-47	88.	16.	0	0	11	20	47.			0	39.	0	0
1947-48	0	0	0	0			0			0	0	0	0
1948-49	0	0	0	0			0			0	0	0	0
1949-50	6.2	1.6	0	0	12	19	4.5			0	3.9	0	0
1950-51	0	0	0	0			0			0	0	0	0
1951-52	314.	30.	0	34.	1	16	70.	3	17	4.9	127.	0	0
1952-53	12.	1.3	0	0	12	1	8.2			0	2.9	0	0
1953-54	194.	19.	0	0	1	25	172.			0	63.	0	0
1954-55	4.4	0.6	0	0	1	18	1.4			0	0.9	0	0
1955-56	58.	25.	0	0	1	26	117.			0	55.	0	0
1956-57	4.4	1.5	0	0	1	13	5.8			0	2.5	0	0
1957-58	389.	34.	0	219.	4	3	67.	4	5	8.0	254.	0	0
1958-59	5.6	1.7	0	0	2	16	4.7			0	5.6	0	0
1959-60	2.0	0.3	0	2.0	4	28	5.4 E			0	0.9	0	0
1960-61	5.2	0.8	0	0	11	12	3.9			0	2.5	0	0
1961-62	101.	9.3	0	0	11	20	190.			0	74.	0	0
1962-63	88.	26.	0	17.	2	9	145.	VAR. TIMES		2.0	61.	0	0
1963-64	23.	4.2	0	23.	3	22	20.			0	8.9	0	0
1964-65	26.	9.9	0	0	4	9	55.			0	26.	0	0

TABLE XVI (Continued)

YEARLY RESERVOIR OPERATION SUMMARY

YEAR	INFLOW			OUTFLOW	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX. DAY C.F.S.	MIN. DAY C.F.S.	ANNUAL A.F.	MO.	DAY	C.F.S.	MO.	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
HAMILTON BOWL – LONG BEACH													
1936–37	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	N.D.	0	0
1937–38	N.D.	177.	0	N.D.	3	2	528.	2	27	56.	280.	0	0
1938–39	880.	130.	0	880.	9	25	649. EST.	9	25-26	64. EST.	243.	0	0
1939–40	556.	49.	0	556.	1	23	798.	1	23-24	54.	84.	0	0
1940–41	1481.	74.	0	1481.	12	23	581.	3	3	57.	150.	0	0
1941–42	389.	36.	0	389.	3	14	182.	3	14	52.	22.	0	0
1942–43	548.	98.	0	548.	1	22	253.	1	24	56.	146.	0	0
1943–44	931.	164.	0	931.	2	22	1618.	3	2	70.	270.	0	0
1944–45	582.	53.	0	582.	11	11	391.	2	1	61.	49.	0	0
1945–46	473.	67.	0	473.	2	3	280.	12	23	70.	96.	0	0
1946–47	647.	135.	0	647.	11	12	652.	11	14	58.	237.	0	0
1947–48	232.	26.	0	232.	2	5	212.	2	5	54.	14.	0	0
1948–49	273.	25.	0	273.	12	17	238.	12	17	54.	29.	0	0
1949–50	400.	54.	0	400.	2	6	276.	2	6	54.	79.	0	0
1950–51	254.	28.	0	254.	1	29	201.	4	28	56.	21.	0	0
1951–52	940.	58.	0	940.	1	16	427.	1	16	56.	153.	0	0
1952–53	417.	38.	0	417.	11	15	490.	12	30	54.	44.	0	0
1953–54	612.	84.	0	612.	2	13	379.	11	14	58.	130.	0	0
1954–55	372.	28.	0	372.	1	18	324.	2	17	48.	35.	0	0
1955–56	610.	152.	0	610.	1	26	348.	1	26	58.	327.	0	0
1956–57	167.	14.	0	167.	1	12	64.	1	26	53.	6.2	0	0
1957–58	864.	96.	0	864.	2	19	598.	VAR. TIMES		55.	112.	0	0
1958–59	153.	42.	0	153.	2	16	99.	VAR. TIMES		50.	44.	0	0
1959–60	289.	29.	0	289.	2	1	404.	VAR. TIMES		55.	39.	0	0
1960–61	69.	18.	0	69.	1	26.	195.	VAR. TIMES		48.	7.8	0	0
1961–62	595.	64.	0	595.	2	8	240.	2	8	55.	75.	0	0
1962–63	450.	95.	0	450.	2	10	580.	2	11	58.	169.	0	0
1963–64	204.	29.	0	204.	11	19	179.	VAR. TIMES		58.	48.	0	0
1964–65	308.	31.	0	308.	4	8	164.	VAR. TIMES		53.	20.	0	0

LEGEND

1/ MEAN DAILY
2/ STORAGE CORRECTED FOR DEBRIS LOSS
3/ INCLUDES IMPORTED WATER
N.D. NOT DETERMINED

DEBRIS BASINS

DEBRIS BASINS

FOREWORD

In previous Reports on Hydrologic Data, a distinction was made between debris dams and debris basins. It was recently decided, however, to discontinue any attempt to distinguish between debris dams and basins insofar as published data is concerned. Henceforth, both debris dams and basins will be listed as debris basins.

The District operated and maintained 53 debris basins during the 1963–64 water year. The number of facilities was increased to 59 during 1964–65. The Los Angeles District, Corps of Engineers, Department of the Army, operated Haines Debris Basin. Pertinent data relative to Haines Debris Basin and District debris basins are presented herein.

PURPOSE

Debris basins serve to retain detritus from their respective drainage areas and direct clear–water flow therefrom to appropriate storm drains or flood channels.

NEW FACILITIES

Floral, Upper Ruby, and Lower Ward Debris Basins became ineffective as retention structures and were removed from the list of District basins during the 1963–64 season; Gooseberry and Sparr Debris Basins were removed from the list during 1964–65. Lower Sunset, Childs, Emerald, Kinneloa, Limekiln, and Morgan Debris Basins were completed in time to be included in the 1964–65 list.

RESPONSIBILITY

The compilation of debris basin records was under the immediate direction of Mr. K. D. Matthews, Section Head, Special Assignments Section, Hydraulic Division. The operation and maintenance, such as mechanical operation of outflow facilities, maintenance and construction of pertinent structures and access thereto, were under the supervision of Mr. H. C. Porter, Chief, Operation and Maintenance Division.

Pertinent data relative to the District's debris basins are presented in the following tabulation:

TABLE XVII

DEBRIS BASINS

SUMMARY OF DATA

NAME	DATE OF ACCEPTANCE BY DISTRICT	UNCONTROLLED DRAINAGE AREA IN SQUARE MILES	MAX. DEBRIS CAPACITY CUBIC YARDS	CAPACITY AT BEGINNING OF 1964-65 SEASON	APPROXIMATE DEBRIS DEPOSITION CUBIC YARDS 1963-1964	1964-1965
1. ALTADENA GOLF COURSE	1911	0.20	12,500	11,900	N	N
2. AUBURN	DEC. 1954	0.19	45,100	42,300	N	N
3. BAILEY	DEC. 1954 [1]	0.60	158,100	149,200	7,268	N
4. BIG DALTON	JAN. 1960	2.62	616,900	605,000	N	N
5. BRADBURY	JAN. 1955	0.68	69,400	56,600	N	N
6. BRAND	NOV. 1935	1.03	208,200	170,000	9,932	46,360
7. CARTER	DEC. 1954	0.12	22,000	19,700	695	N
8. CHILDS	JAN. 1965	0.31	54,000	54,000	[2]	8,231
9. COOKS *	JAN. 1952	0.58 *	47,500	45,900	N	N
10. DEER	NOV. 1954	0.59	66,400	42,300	7,243	22,524
11. DUNSMUIR *	MAR. 1935	0.84 *	124,500	115,600	N	N
12. EAGLE *	OCT. 1936	0.61 *	72,400	60,600	N	2,076
13. ELMWOOD	MAY 1965	0.31	66,300	66,300	[2]	5,823
14. EMERALD	DEC. 1964	0.16	14,500	14,500	[2]	N
15. ENGLEWILD	JUNE 1962	0.40	48,800	47,300	N	N
16. FAIR OAKS	DEC. 1935	0.21	28,500	23,200	2,976	N
17. FERN	DEC. 1935	0.30	32,900	28,700	N	1,313
18. GOULD	DEC. 1947	0.47	53,900	53,000	N	5,284
19. HAINES [3]	JUNE 1938	1.53	158,600	129,600	N	N
20. HALLS *	NOV. 1935	1.08 *	93,500	83,900	N	N
21. HARROW	MAR. 1959	0.43	88,300	87,400	N	N
22. HAY	OCT. 1936	0.20	39,800	36,200	N	N
23. HILLCREST	JAN. 1964	0.35	71,700	61,600	8,608	11,659
24. KINNELOA	FEB. 1964	0.20	18,400	18,400	[2]	N
25. LANNAN	MAR. 1954	0.25	56,500	52,700	N	N
26. LAS FLORES	APR. 1936	0.45	61,600	58,100	2,460	N
27. LA TUNA	DEC. 1960 [4]	5.34	518,400	518,400	N	N
28. LIMEKILN	AUG. 1964	3.69	170,600	170,600	N	4,089
29. LINCOLN	JAN. 1936	0.50	40,900	35,400	N	N
30. LITTLE DALTON	JAN. 1960	3.31	733,500	720,500	N	N
31. MADDOCK	JAN. 1955	0.25	32,600	28,400	N	N
32. MAY NO. 1	AUG. 1953	0.70	67,100	59,500	N	135
33. MAY NO. 2	AUG. 1953	0.09	6,700	6,400	N	N
34. MC CLURE	DEC. 1953	0.62	93,300	87,400	N	29,612
35. MORGAN	FEB. 1964	0.60	48,300	48,300	[2]	N
36. NICHOLS	NOV. 1937	0.94	32,200	27,200	N	906
37. PARADISE	MAR. 1952 [5]	0.47	14,800	11,700	N	N
38. PICKENS *	NOV. 1935	1.84 *	118,400	91,700	783	N
39. ROWLEY	JAN. 1954	0.58	43,300	38,400	N	N
40. RUBIO	APR. 1944	1.26	152,300	123,300	N	N
41. RUBY	DEC. 1955	0.28	32,200	28,900	N	N
42. SANTA ANITA	DEC. 1959	1.70	476,600	444,700	2,419 [6]	28,645 [6]
43. SAWPIT	JAN. 1955	2.84	745,600	733,500	6,947	78,675
44. SCHOLL	AUG. 1945 [7]	0.66	30,400	29,700	N	N
45. SCHOOLHOUSE	JUNE 1963	0.28	78,600	57,000	N	N
46. SHIELDS *	JAN. 1937	0.27 *	46,900	43,800	N	2,399
47. SIERRA MADRE	FEB. 1928	2.39	151,800	144,900	743 [8]	N [8]
48. SIERRA MADRE VILLA	MAY 1958	1.46	490,900	474,000	4,453	N
49. SNOVER *	FEB. 1937	0.23 *	37,900	15,600	N [8]	N [8]
50. SPINKS	FEB. 1959	0.44	64,600	60,200	N	N
51. STOUGH	DEC. 1960 [9]	1.65	147,900	146,500	N	44,168
52. SUNSET (LOWER)	JAN. 1965	0.65	221,500	221,500	[2]	38,244
53. SUNSET (UPPER)	NOV. 1929	0.44	17,700	12,400	2,329 [8]	27,037 [8]
54. TURNBULL	JAN. 1953	0.99	26,700	20,000	N	N
55. VERDUGO	MAR. 1935	9.97 [10]	179,900	172,900	N [8]	13,781 [8]
56. WARD *	NOV. 1956	0.10 *	14,400	12,800	N	N
57. WEST RAVINE	DEC. 1935	0.25	50,400	50,400	N	N
58. WILBUR	JAN. 1956 [11]	8.63	41,700	32,100	5,755	7,452
59. WILSON	JUNE 1963	2.58	363,000	325,800	26,058	5,738
60. ZACHAU	AUG. 1956	0.35	36,600	35,900	N	N

NOTES:

* SEE FOOTNOTE [10] BELOW

N NEGLIGIBLE

[1] BASIN WAS ORIGINALLY CONSTRUCTED IN 1945 AND ENLARGED IN DECEMBER 1954.

[2] BASIN WAS NOT IN OPERATION DURING 1963-64.

[3] OWNED AND OPERATED BY THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY.

[4] BASIN WAS ORIGINALLY CONSTRUCTED IN FEBRUARY 1956; RECONSTRUCTION OF THE BASIN WAS COMPLETED DECEMBER 1960.

[5] BASIN WAS ORIGINALLY CONSTRUCTED IN 1944; RECONSTRUCTION OF THE BASIN WAS COMPLETED MARCH 1952.

[6] TOTAL DEBRIS INFLOW, SOME OF WHICH WAS SLUICED FROM SANTA ANITA DAM.

[7] BASIN WAS ORIGINALLY CONSTRUCTED IN 1945; REVISIONS AND ALTERATIONS COMPLETED IN 1962.

[8] VOLUME OF DEBRIS DEPOSITED IN BASIN DOES NOT INCLUDE DEBRIS SLUICED THROUGH OPEN PORTS OR NOTCH.

[9] BASIN WAS ORIGINALLY CONSTRUCTED IN 1941; FIRST RECONSTRUCTION WAS COMPLETED IN OCTOBER 1957; SECOND RECONSTRUCTION OF THE BASIN WAS COMPLETED DECEMBER 1960.

[10] EXCLUDES 5.53 SQUARE MILES OF DRAINAGE AREA CONTROLLED IN DEBRIS BASINS DESIGNATED BY *.

[11] BASIN WAS ORIGINALLY CONSTRUCTED IN 1942; RECONSTRUCTION WAS COMPLETED JANUARY 1956.

GROUND WATER
&
CONSERVATION

WATER CONSERVATION

FOREWORD

Presented herein are data on the District's water conservation programs. The data include amounts of local, imported, and reclaimed water conserved in spreading and recharge facilities and water absorbed in reservoirs and channels. Also included are descriptions and locations of spreading facilities owned and operated by the District as well as facilities owned by others, and groundwater maps delineating groundwater elevations recorded during the biennial period.

The biennial period included a water year with below normal rainfall and a water year with normal rainfall. Little runoff was available for conservation during the 1963-64 season. The 1964-65 season, however, was much the same until March and April when storms occurred and accounted for more than one-half the total water year normal rainfall. Usually, March and April account for only one-fourth of a normal year's total.

SPREADING GROUNDS

Spreading grounds developed during the biennial period increased the total gross acreage of spreading grounds owned and operated by the District to 1,913 acres. The District also assists in the operation and maintenance of 1,182 acres of spreading grounds owned by others. An additional 229 acres of spreading grounds are controlled and operated entirely by others. The total gross acreage of spreading facilities in the County is 3,324 acres with a percolation capacity of 1,994 cfs.

The tables on the following pages show basic spreading grounds data, the amount of water conserved therein, and the amount of water conserved by means of reservoir and channel absorption. The tables indicate the various types of water conserved, namely, local water, imported water, and reclaimed water. Local water is that derived from rainfall on the mountain and valley watersheds within or tributary to the District. Imported water is that brought in from distant areas. To date, it has been Colorado River water purchased from the Metropolitan Water District with Zone I and Water Replenishment District funds. All reclaimed water referred to in this report is produced by the Los Angeles County Sanitation Districts' pilot water reclamation plant in the Whittier Narrows Basin. The water produced by the reclamation plant is purchased by the Central and West Basin Water Replenishment District.

NEW FACILITIES

San Gabriel Canyon Spreading Grounds

Agreements were negotiated for the development of San Gabriel Canyon Spreading Grounds. The property to be developed was formerly operated as a water spreading facility by the San Gabriel Spreading Corporation. These operations have been reported in previous editions of the Biennial Report under the title "San Gabriel Spreading Corporation East Side".

IMPROVED FACILITIES

Ben Lomond Spreading Grounds, South Side

The development of this facility was completed and placed in operation.

Live Oak Wash Spreading Grounds

The construction of the diversion and wasteway facilities was completed in conjunction with the construction of the Live Oak Wash Debris Basin and channel improvement by the Corps of Engineers. Spreading operations are being conducted in partially completed basins pending determination of alignment for proposed freeway construction in the area.

Walnut Creek Spreading Basin

About ninety-five percent of the development, including contract for the construction of channel diversion and inlet facilities, has been completed. Spreading operations should commence during the 1965-66 water year.

Miscellaneous Spreading Grounds

Excavation continued in the Branford, Buena Vista, Peck Road and Eaton Spreading Basins.

IMPORTED WATER

The program of groundwater replenishment with Colorado River water continues to have beneficial effects upon the groundwater levels of the Coastal Plain. The imported water for the Coastal Plain replenishment program has been purchased from the Metropolitan Water District with funds provided by Zone I and the Water Replenishment District.

All imported water for the Coastal Plain was spread in the District's facilities in the Rio Hondo and San Gabriel River spreading systems.

In January, 1965 the Upper San Gabriel Valley Municipal Water District began purchasing imported water for replenishment of the depleted San Gabriel Valley Groundwater Basin. Colorado River water purchased for this program was spread in the San Gabriel River north of Valley Boulevard.

A summary of all imported water conserved in the District is found in Table XXI.

RECLAIMED WATER

The Whittier Narrows Water Reclamation Plant has been discharging about 12 to 16 mgd of highly-treated activated sludge affluent since August 1962. The Plant was constructed by the County Sanitation Districts to demonstrate the practicality of reclaiming water from sewage. The effluent was purchased by the Water Replenishment District and was percolated in the Rio Hondo and the San Gabriel River spreading systems. A comprehensive monitoring program has been conducted by the District. Water quality research was conducted jointly with the California Institute of Technology. A final report of "Research on

Waste Water Reclamation at Whittier Narrows" was completed in September 1965 by Dr. F. C. McMichael of the United States Public Health Service and Dr. J. E. McKee of Caltech. The report concluded that the effluent from the Plant met all of the requirements promulgated by Regional Water Quality Control Board No. 4 and all of the mandatory chemical standards of the United States Public Health Drinking Water Standards of 1952. The report declared that "insofar as the quality of groundwater at or below Whittier Narrows is concerned, there should be no fear that the present rate of spreading of effluent in the Whittier Narrows Water Reclamation Plant will have any marked or deleterious effect. Indeed, the output from the Whittier Narrows Plant could well be increased by a factor of two or three without concern. The concentration of nitrates in the blended groundwater will probably be the limiting factor on expansion of wastewater reclamation at this location."

WATER QUALITY

Water samples from streams and wells were collected and analyzed to maintain a continuing record of water quality and to develop basic norms on the quality of various surface and groundwaters within the District. During the period covered by this report, 2,309 complete and 1,336 partial analyses were made for this purpose.

Since the latter part of 1952, a deep well sampling program in the Central and West Coast Groundwater Basins has been conducted in cooperation with the California Water Service Company, Long Beach Water Department, Lynwood Water Department, Southern California Water Company, and Vernon Water Department. The purpose of this study is to determine the degree of intermixing for replacement of native groundwater by imported Colorado River waters or reclaimed waters spread in the Montebello Forebay area. Samples from some 46 representative deep wells in the Coastal region have been collected annually and analyzed for chemical quality by the cooperating agencies and the District's Soils and Materials Engineering Division.

BARRIER PROJECTS

West Coast Basin Barrier

During the biennial period, the expansion of facilities has been extensive in the Redondo Beach area of the basin. The number of injection wells has been increased from 12, with an injection rate of about 6 cfs, to 56 wells with an injection rate of about 58 cfs. Also, there are now some 250 observation wells and 10.4 miles of high pressure supply and distribution pipeline associated with the operation of this project.

Currently, 21 injection wells and 9 observation wells are under construction. Yet to be completed are modifications and replacement facilities for the original Manhattan Beach pipeline and injection well vault facilities, northerly extensions of the supply and distribution pipeline, about 20 injection wells and 10 additional observation wells in the El Segundo and northerly Manhattan Beach areas.

The completed facilities provide a total of 2.9 miles of protection from further seawater intrusion. Of this amount, 1.3 miles are in the central Redondo Beach area and 1.6 miles are in the Manhattan Beach area. Ultimately, the barrier will protect 9.5 miles along the coastline from Imperial Highway in El Segundo to south of Pacific Coast Highway in Torrance.

In the fall of 1964, an abandoned pumping well near Sepulveda Boulevard and Rosecrans Avenue was redeveloped and placed in operation as an injection well. The success of its operation led to the redevelopment of 5 other abandoned wells between Rosecrans Avenue and El Segundo Boulevard and the construction of temporary water supply facilities, so that fresh water could be injected in this area of the basin prior to the time permanent facilities are completed, sometime early in 1967. These temporary facilities were placed in full operation during the summer of 1965 and are injecting about 6 cfs. A protective barrier has not yet been attained in this area, but the groundwater elevation has increased from about -15 feet to -2 feet and continues to build slowly towards the required elevation of $+10$ feet.

During the water years 1963-64 and 1964-65, 10,450 and 33,015 acre-feet respectively, were injected in this project.

Alamitos Barrier

During this biennial report period, four major District contracts were initiated and completed with the project placed in operation during January and March of 1965. Included in these contracts were a pressure reducing station, chlorination station, 5.4 miles of pipeline, an operation and maintenance yard, 14 injection wells, 24 observation wells (including 43 separate piezometers since some of the wells were equipped with multiple casings) and 3 production wells. Two contracts by the Orange County Water District for the construction of 6 multiple-cased observation wells (18 separate piezometers) were completed in May and July of 1965.

At the present time, plans are pending for the extension of the barrier southeasterly from 7th Street and the San Gabriel River along the County line with the addition of 5 or 6 injection wells and appropriate distribution pipeline and observation wells. The design of another 3 production wells and attendant observation wells is being completed. Extension of the barrier westerly of its present terminus is contingent upon the State Division of Highways' design of the westerly extension of the Garden Grove Freeway.

Upon the initiation of injection operations in March of 1965, the barrier was rapidly established over most of the reach because of the exceptional pressure characteristics of the four aquifer zones into which injection occurs. The extent of protection from intrusion varies in each of the four zones; however, the length of barrier can be generalized as being about 130 percent of the 1.0 mile of injection facilities in the upper three zones and the westerly 80 percent in the lowest zone. The amount of water injected during the seven months of operation was 2,955 acre-feet, of which 2,757 acre-feet was purchased by the Central and West Basin in Water Replenishment District and the remaining 198 acre-feet was purchased by the Orange County Water District.

The 3 production wells which extract water from the Recent zone and provide the control datum of the "seawater head" which the barrier must protect against, created a pumping trough nominally 6 feet lower than that prior to initiation of pumping operations. After the barrier was formed, the Recent zone elevation returned to approximately -12 feet, or nearly that prior to pumping. During the nine months of operation, a total of 1,441 acre-feet was pumped from the Recent zone.

Dominguez Gap Barrier

An engineering report is being prepared. It will concern seawater intrusion into the West Coast Basin from San Pedro Bay.

EXPLORATION AND OBSERVATION WELLS

During this period, approximately 260 wells were drilled for monitoring groundwater levels and obtaining geologic data for use in planning and operating various District water conservation projects. Most of these wells were drilled by the District; however, several wells were drilled by cooperating agencies and were preserved by the District for future use.

SEASONAL DATA AND MAPS

During the biennial period covered by this report, approximately 70,000 groundwater observations were obtained from approximately 3,800 wells.

Hydrographs for several key wells are included in this report on Pages 367 to 385.

Seasonal precipitation in Los Angeles County was below normal for this biennial report period, and although there was continued use of local and imported supplies of Colorado River and Owens River water, historic low groundwater elevations occurred in all the principal areas of Los Angeles County with the exception of the Coastal Plain. In the Coastal Plain, with a reduction in pumping in accordance with the Interim Agreement and Court adjudication and artificial recharge in the Montebello Forebay, groundwater levels generally have either recovered or remained relatively stable. An exception to this took place in the eastern portion of the West Coast Basin where a net lowering of about five feet occurred during the biennial report period. Differentials in water levels between the series of important shallow and deep aquifers of the Coastal Plain are still appreciable and require segregation on the basis of shallow (upper Pleistocene) and deep (lower Pleistocene) aquifers. Groundwater maps of the Coastal Plain prepared from 1930 to the fall of 1953 did not segregate aquifers, but showed composite contours for combined shallow and deep aquifers. Current shallow groundwater maps, however, specifically delineate contours for the principal producing shallow and/or merged aquifers. Deep zone maps prepared from 1951 to the fall of 1953 show composite principal deep aquifer contours in the Central Basin only. Deep aquifer maps since 1954 delineate separate contours for the principal deep and/or merged producing aquifers in both the Central and West Coast Basins. However, recoveries of the deep aquifer pressure levels in the Central Basin in the vicinity of North Long Beach, Signal Hill, and Lakewood have reduced differentials between levels in the Silverado and basal San Pedro zones, and groundwater level contours typical of the latter, which were included previously, have been deleted from the maps in this report.

In addition to the maps prepared by the District, groundwater maps for Antelope Valley were prepared by the State Department of Water Resources, with which the District collaborates in the collection of data; (Maps XXIV and XXV).

GROUNDWATER BASINS

Groundwater basins in Los Angeles County are grouped under five local watershed areas; namely, San Fernando Valley, San Gabriel Valley, Coastal Plain, Santa Clara Valley, and Antelope Valley. Reference is made to Map No. V, Page 365, for basin locations. For

more detailed discussions of the various groundwater basins within the District, reference is made to previous reports on hydrologic data published for the years 1941-42, 1951-53 and 1957-59.

San Fernando Valley

The Department of Water and Power of the City of Los Angeles supplies the major part of the San Fernando Valley with water imported from the Owens River. Also, extensive pumping takes place in the easterly portion of the basin. Lowering of groundwater levels has continued throughout the Main Basin at an accelerated rate creating historic record lows. Of the San Fernando Valley sub-basins, historic record low groundwater levels occurred only in the Sylmar Basin, although Verdugo Basin was nearly twenty feet lower in 1965 than in 1963. Pacoima and Tujunga Basins have remained about the same.

Groundwater maps are shown for the San Fernando Valley on Pages 387 to 393.

San Gabriel Valley

A continual discharge of groundwater from the Main Basin through Whittier Narrows into the Montebello Forebay of the Central Basin in the form of underflow and effluent seepage usually takes place (the latter is referred to locally as rising water). This rising water has generally declined from a historic high of approximately 175 cfs which occurred in 1944 and a historic low of 0 cfs which occurred in September 1965.

During February and March of 1965, 10,000 acre-feet of Colorado River water was purchased and spread in the San Gabriel River west of Baldwin Park. This resulted in a rise in groundwater levels in the vicinity of the spreading area of approximately 25 feet and an average rise of more than 3 feet in the zone of influence covering approximately 30 square miles in the central portion of the basin.

During the 1964-65 water year, groundwater replenishment from local and imported supplies, exclusive of direct accretion from rainfall, was five to six times greater than that of the previous water year, As a result, the rapid lowering of groundwater levels prevalent during the 1963-64 season was arrested in the central portion of the Main San Gabriel Basin. Nevertheless, groundwater levels in the San Gabriel Main Basin reached record low levels by the end of the 1964-65 water year. Of the San Gabriel Valley tributary basins, record low levels were noted in the Raymond, Upper Claremont Heights, Pomona, Chino, and Puente Basins. Groundwater maps for the San Gabriel Valley are shown on Pages 395 to 401.

Central Coastal Plain

Groundwater levels in the Montebello Forebay, as indicated by Key Well F. C. 1601P. and in the pressure aquifers in the Long Beach area north of Signal Hill, as indicated by Key Wells F. C. 460K and 906D, were approximately 20 feet higher in the fall of 1965 than in the fall of 1962. The rise in groundwater levels in the Montebello Forebay resulted primarily from artificial recharge using local, imported and reclaimed water. The rise in pressure levels throughout the Central Basin was due in part to the rise in water levels in the Montebello Forebay and in part to reduction in pumping under the Interim Agreement. Throughout portions of the Basin not mentioned specifically above, increases in deep aquifer groundwater elevations appear to have approximated 10 feet during the biennial period.

Water levels in the West Coastal Plain, under the effects of injection of Approximately 44,000 acre-feet in the West Basin and a continuation of the reduction in pumping under Court adjudication, rose in the central and western portions, but a lowering occurred over the eastern portion.

During the 1964-65 season, water levels in the Silverado zone more than 2 miles east of the recharge line near Hermosa Beach rose as much as 6 feet as a result of recharge operations.

Groundwater maps for the Coastal Plain are shown on Pages 403 to 417.

Santa Clara River Valley

In general, groundwater levels continued to decline during the period of this report, although in some areas very little change occurred. Because of the small difference between spring and fall groundwater levels and the small amount of storage involved, only the fall groundwater contour maps were drawn for this area. These maps are shown on Pages 419 and 421.

Antelope Valley

Antelope Valley contains one principal groundwater basin, Lancaster Basin, and three smaller sub-basins: Neenach Basin at the west end of the Valley; Buttes and Rock Creek Basins in the southeastern part of the valley. In general, groundwater levels in the Valley have dropped steadily since the 1920's.

Antelope Valley groundwater contour maps are shown on Pages 423 and 425.

RESPONSIBILITY

For the period covered in this report, field andoffice work was under the direction of Howard H. Haile, Division Engineer, Water Conservation Division, assisted by T. H. Stauffer, Supervising Civil Engineer. During this period, work was supervised by the following Section Heads: C. Milne, R. A. Ostrom, C. J. Reinhard, C. H. Thomas, and E. J. Zielbauer.

TABLE XVIII

RESERVOIR AND CHANNEL ABSORPTION
EXCLUSIVE OF SPREADING GROUNDS

STREAM	REACH OF STREAM WHERE ABSORPTION OCCURRED	TOTAL RELEASE TO REACH A.F.	ABSORPTION IN CHANNELS, RESERVOIRS AND DIVERSIONS A.F.	EXCESS OF RELEASE OVER ABSORPTION A.F.	YEAR
PACOIMA	DAM TO LINED CHANNEL	670.	670. 1/3/	0	1963-64
		996.	996. 1/3/	0	1964-65
TUJUNGA	MOUTH OF CANYON TO HANSEN DAM	3300.	3280. 1/3/	20.	1963-64
		2990.	2960. 1/3/	30.	1964-65
DEVIL'S GATE	RESERVOIR ONLY		699. 1/		1963-64
			1460. 1/		1964-65
EATON WASH	RESERVOIR ONLY		191. 1/		1963-64
			204. 1/		1964-65
SANTA ANITA	DAM TO FOOTHILL BOULEVARD	1140.	382. 1/	758.	1963-64
		1990.	472. 1/	1520.	1964-65
SAN GABRIEL	MOUTH OF CANYON TO FOOTHILL BOULEVARD	2120.	2050.	70.	1963-64
	(CANYON BASIN)	11060.	2290.	8770.	1964-65
SAN GABRIEL	FOOTHILL BOULEVARD TO SANTA FE DAM	186.	66. 1/	120.	1963-64
	(MAIN BASIN)	8100.	1810. 1/	6290.	1964-65
SAN GABRIEL	SANTA FE DAM TO RISING WATER (MAIN BASIN)	69480.	23780. 4/	45700.	1963-64
	(INCLUDES PORTION OF WALNUT CREEK)	130390.	47870. 4/	82520.	1964-65
SAN GABRIEL	RISING WATER TO FLORENCE AVENUE	PUBLISHED IN SPREADING GROUNDS			1963-64
	(COASTAL PLAIN)	SEE TABLE XIX			1964-65
SAN GABRIEL	FLORENCE AVENUE TO SPRING STREET	3460.	1480.	1980.	1963-64
	(COASTAL PLAIN)	9000.	2790.	6210.	1964-65
RIO HONDO	SANTA FE DAM TO LOWER AZUSA ROAD	0	0	0	1963-64
	(MAIN BASIN)	0	0	0	1964-65
RIO HONDO	MISSION BRIDGE TO LINED CHANNEL	65170. 2/	14450. 4/	50720.	1963-64
	(COASTAL PLAIN)	92380. 2/	19870. 4/	72510.	1964-65
SAN DIMAS	PUDDINGSTONE DIVERSION DAM TO LINED CHANNEL	67.	112. 1/	0	1963-64
		354.	670. 1/	0	1964-65
BIG AND LITTLE DALTON	RESERVOIRS ONLY	496.	304.	192.	1963-64
		669.	357.	312.	1964-65
LIVE OAK	DAM TO FOOTHILL BOULEVARD	+	+	0	1963-64
		14.	14.	0	1964-65
WALNUT	PUDDINGSTONE DAM TO BEGINNING OF	20.	20.	0	1963-64
	LINED CHANNEL	7430.	35.	7395.	1964-65
THOMPSON	DAM TO FOOTHILL BOULEVARD	23.	23. 1/	0	1963-64
		26.	26. 1/	0	1964-65
SAN ANTONIO	DAM TO BASELINE ROAD	0	34. 1/	0	1963-64
		6.	154. 1/	0	1964-65
TOTALS			47541.		1963-64
			81978.		1964-65

NOTES: 1/ INCLUDES PERCOLATION AND EVAPORATION LOSSES IN RESERVOIRS.
2/ INCLUDES RISING WATER IN VICINITY OF WHITTIER NARROWS.
3/ INCLUDES WATER DIVERTED FOR USE.
4/ PART OF PERCOLATION IN THE SAN GABRIEL RIVER AND RIO HONDO ALSO APPEARS IN TABLE XX.

TABLE XIX

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
SUMMARY OF DATA ON SPREADING FACILITIES
OWNED AND OPERATED BY THE DISTRICT
SEPTEMBER 1965

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	175	122	17,000	400	330	110	BOTH SIDES OF OLD PACOIMA WASH CHANNEL FROM ARLETA STREET SOUTHWESTERLY TO WOODMAN AVENUE.	CONTROLLED FLOW FROM PACOIMA DAM. PARTIALLY CONTROLLED FLOW FROM LOPEZ FLOOD CONTROL BASIN, UNCONTROLLED FROM EAST CANYON AND PACOIMA WASH.	
HANSEN	SHALLOW BASINS	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.
BRANFORD	DEEP BASIN	1956–57	12	7	1,540	1,540	135	15	SOUTHWESTERLY OF ARLETA STREET ABOVE CONFLUENCE OF TUJUNGA CHANNEL AND PACOIMA DIVERSION CHANNEL.	UNCONTROLLED FLOWS FROM BRANFORD STREET DRAIN.	BASIN DEVELOPMENT 85% COMPLETE. OUTLET CAPACITY 1540 CFS TO PACOIMA DIVERSION CHANNEL.
ARROYO SECO	SHALLOW BASINS	1948–49	24	13	–	100	30	15	EASTERLY SIDE OF ARROYO SECO, LOWER END 0.5 MILE ABOVE DEVIL'S GATE DAM.	UNCONTROLLED FLOW FROM ARROYO SECO AND THE ALTADENA STORM DRAIN.	SPREADING GROUNDS ARE HELD UNDER EASEMENT FROM THE CITY OF PASADENA.
EATON SPREADING GROUNDS	DEEP AND SHALLOW BASINS	1947–48	29	23	6,600	100	420	20	EASTERLY SIDE OF EATON WASH BELOW EATON DAM TO FOOTHILL BOULEVARD.	CONTROLLED FLOW FROM EATON WASH DAM AND SIERRA MADRE VILLA CHANNEL.	THREE DEEP BASINS COMPRISE 15 ACRES. THE SHALLOW STRIP BASINS TOTAL 14 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.	
LITTLE DALTON	SHALLOW BASINS, DITCHES, AND CHECKS	1931–32	16	–	–	20	–	10	WESTERLY OF GLENDORA MT. ROAD, FROM LITTLE DALTON DEBRIS DAM SOUTH TO EAST PALM DRIVE.	CONTROLLED FLOW FROM LITTLE DALTON DEBRIS DAM.	
BIG DALTON	SHALLOW BASINS, DITCHES, AND CHECKS	1930–31	24	13	–	45	25	15	WESTERLY SIDE OF BIG DALTON WASH. INTAKE ONE HALF MILE ABOVE SIERRA MADRE AVENUE.	CONTROLLED FLOWS FROM BIG DALTON DAM AND BIG DALTON DEBRIS DAM.	
LIVE OAK	SHALLOW BASINS	1961–62	5	1	–	15	2	3	BOTH SIDES OF LIVE OAK WASH, NORTH OF BASE LINE ROAD (PROJECTED).	CONTROLLED FLOW FROM LIVE OAK DAM AND LIVE OAK DEBRIS DAM.	DEBRIS DAM CONSTRUCTED AND SPREADING GROUNDS RELOCATED IN 1963. WEST SIDE OF GROUNDS NOW COMPLETED.
LAGUNA SPREADING GROUNDS	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 SPREADING BASIN	DEEP BASIN	1956–57	16	–	9,600	400	220	10	EAST SIDE OF EATON CHANNEL NORTH OF DUARTE ROAD, 0.6 MILE SOUTH OF HUNTINGTON DRIVE.	CONTROLLED FLOW FROM EATON WASH DAM AND UNCONTROLLED FLOWS BETWEEN DAM AND SPREADING BASIN.	BASIN UNDER DEVELOPMENT, THEREFORE, STORAGE AND PERCOLATING CAPACITY SUBJECT TO CHANGE.
PECK ROAD	DEEP BASIN	1959–60	157	85	30,100	30,100	4,000 ±	65	CONFLUENCE OF SAWPIT AND SANTA ANITA WASHES.	ALL FLOWS IN SAWPIT AND SANTA ANITA WASHES.	ULTIMATE DEVELOPMENT WILL CONSIST OF ONE BASIN WITH A CAPACITY OF 6,700 ACRE FEET.
BUENA VISTA	DEEP BASIN	1954–55	10	6	2,900	2,900	194	30	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.
SANTA FE	SHALLOW BASINS	1953–54	193	133	–	500	200	220	WITHIN SANTA FE DAM RESERVOIR AREA, NORTH OF SPILLWAY.	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 BRADBURY CHANNEL FLOW (CAPACITY OF 4900 CFS) DISCHARGES INTO BASIN NO. 4.

TABLE XIX (Continued)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
SUMMARY OF DATA ON SPREADING FACILITIES
OWNED AND OPERATED BY THE DISTRICT
SEPTEMBER 1965

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			
IRWINDALE	DEEP BASIN	1958–59	17	14	20,000	450	495	40	NORTHEASTERLY OF INTERSECTION OF BIG DALTON CHANNEL AND IRWINDALE AVENUE. CONTINUES 1300 FEET EAST OF IRWINDALE AVENUE.	BIG DALTON CHANNEL CONTROLLED FLOWS FROM BIG AND LITTLE DALTON DEBRIS DAMS AND PUDDINGSTONE DIVERSION DAM: UNCONTROLLED FLOWS.	
CITRUS	SHALLOW BASINS	1960–61	19	15	–	25	20	28	SOUTH SIDE OF BIG DALTON WASH BETWEEN CITRUS AND CERRITOS AVENUES.	CONTROLLED RELEASES FROM AZUSA IRRIGATION COMPANY PIPELINE.	SPREADING GROUNDS ARE UTILIZED TO CONSERVE EXCESS SURFACE SAN GABRIEL CANYON WATER RELEASES TO THE AZUSA IRRIGATION COMPANY.
BEN LOMOND	SHALLOW BASINS	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	–	150	166	–	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.	DEEP BASIN AND DIVERSION FACILITY 90% COMPLETE.
SAN DIMAS SPREADING DEVELOPMENT	NARROW CANAL AND DEEP BASIN	1964–65	49	–	–	25	65	–	SOUTHEAST SIDE OF SAN DIMAS CHANNEL FROM FOOTHILL BOULEVARD TO FORBES PIT.	CONTROLLED RELEASES FROM PUDDINGSTONE DIVERSION DAM.	
SAN GABRIEL COASTAL	SHALLOW BASINS	1938–39	132	101	–	200	400	80	WESTERLY SIDE OF SAN GABRIEL RIVER, SOUTHERLY FROM WHITTIER BOULEVARD TO WASHINGTON BOULEVARD.	CONTROLLED FLOW FROM DAMS IN SAN GABRIEL CANYON AND SANTA FE DAM, AND UNCONTROLLED VALLEY RUNOFF BELOW SANTA FE DAM VIA SAN GABRIEL RIVER. ALSO IMPORTED AND RECLAIMED WATER.	
SAN GABRIEL RIVER	TEMPORARY CHECK LEVEES	1954–55	133	133	–	–	–	125	SAN GABRIEL RIVER FROM WHITTIER NARROWS DAM TO FLORENCE AVENUE.	SAME AS SAN GABRIEL COASTAL.	CHECK LEVEES DEVELOPED IN RIVER TO SPREAD WATER.
RIO HONDO COASTAL	SHALLOW BASINS	1937–38	570	455	40,000	900	1,875	485	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.
DOMINGUEZ GAP	DEEP BASINS	1957–58	54	26	–	20	237	6	CONTINUES 1.0 MILE SOUTH FROM DEL AMO BOULEVARD, AND BORDERS THE EASTERN AND WESTERN SIDES OF THE LOS ANGELES RIVER.	CONTROLLED FLOW FROM LOS ANGELES RIVER LOW FLOW CHANNEL AND UNCONTROLLED FLOWS FROM STORM DRAINS.	EAST SIDE BASIN USED FOR FLOOD REGULATION WITH SOME CONSERVATION STORAGE. INTAKE OF 20 CFS IS THE FIGURE FOR LOW FLOW DIVERSION FROM THE LOS ANGELES RIVER. WEST SIDE BASIN IS FED BY A 42-INCH CONCRETE PIPE FROM THE EAST SIDE BASIN.
WALTERIA SPREADING BASIN	DEEP BASIN	1962–63	26	23	–	–	85	6	WEST SIDE OF HAWTHORNE AVENUE AT 236TH STREET.	LOCAL STORM DRAINS.	BASIN USED FOR FLOOD REGULATIONS WITH SOME CONSERVATION STORAGE.
TOTALS			1,913	1,333			8,214	1,529			

* THE CAPACITIES LISTED ARE BASED ON INFILTRATION RATES WHICH MAY BE EXPECTED TO PERSIST FOR AT LEAST FIVE DAYS.

** DESIGN CAPACITY OF MAIN CONCRETE CHANNEL.

TABLE XX
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
SUMMARY OF WATER SPREAD AT GROUNDS
OWNED AND OPERATED BY THE DISTRICT
SEPTEMBER 1965

RECORD OF LOCAL WATER SPREAD
ACRE FEET

	SAN FERNANDO VALLEY				SAN GABRIEL VALLEY - FOOTHILLS								
SEASON	LOPEZ	PACOIMA	HANSEN	BRANFORD	ARROYO SECO	EATON S.G.	SANTA ANITA	SAWPIT	LITTLE DALTON	BIG DALTON	LIVE OAK	SUB-TOTAL	SEASON
1930-31										10		10	1930-31
32									160	394		554	32
33		26							0	0		26	33
34		230							0	100		330	34
35		1,200							0	131		1,331	35
36		2,000							0	0		2,000	36
37		4,680							275	866		5,821	37
38		3,844							287	397		4,528	38
39		363							12	49		424	39
40		907							0	0		907	40
41		9,775							1,166	1,528		12,469	41
42		37							0	0		37	42
43		3,744							1,084	1,191		6,019	43
44		7,223							469	543		8,235	44
45		1,467	7,651				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	0		1	48
49		0	0		108	0	0	8	0	88		204	49
50		245	0		283	61	0	0	28	66		683	50
51		0	0		19	0	0	19	0	0		38	51
52		6,121	16,780		986	1,196	448	517	563	856		27,467	52
53		1,651	1,271		216	0	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		1,601	56
57	28	475	0	38	397	0	2	38	11	16		1,005	57
58	1,030	10,922	18,407	20	2,088	861	1,576	978	658	2,380		38,920	58
59	0	352	1,023	+	352	130	185	199	22	145		2,408	59
60	0	379	0	6±	0	0	810	38	0	0		1,233	60
61	0	78	0	183*	0	0	304	29	0	27	0	621*	61
62	673	5,635	12,570	402	1,103	1,021	664	547	394	1,212	38	24,259	62
63	52	643	0	415	249	7	449	126	43	77	+	2,061	63
64	212	1,206	0	376	317	24	327	135	18	165	0	2,780	64
65	0	1,199	0	563	744	324	575	161	100	193	0	3,859	65
TOTALS	1,995	71,341	69,711	2,003	7,815	3,996	6,447	3,120	5,942	11,272	38	183,680	TOTALS

TABLE XX (Continued)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

WATER CONSERVATION DIVISION

SUMMARY OF WATER SPREAD AT GROUNDS

OWNED AND OPERATED BY THE DISTRICT

SEPTEMBER 1965

RECORD OF LOCAL WATER SPREAD (Cont'd.)

ACRE FEET

	MAIN SAN GABRIEL VALLEY									COASTAL PLAIN							
SEASON	EATON S.B.	PECK ROAD	BUENA VISTA	SANTA FE	IRWINDALE	CITRUS	BEN LOMOND	WALNUT	SAN DIMAS	(B) SAN GABRIEL RIVER	SAN GABRIEL S.G.	RIO HONDO	LAGUNA	WALTERIA S.B.	DOMINGUEZ	TOTAL	SEASON
1930-31																10	1930-31
32																554	32
33																26	33
34																330	34
35																1,331	35
36																2,000	36
37																5,821	37
38												3,660				8,188	38
39											2,603	0				3,027	39
40											0	1,702				2,609	40
41											4,684	9,830				26,983	41
42											0	2,170				2,207	42
43											0	0				6,019	43
44											0	0				8,235	44
45											0	0				9,809	45
46											0	9,548				12,450	46
47											384	4,842				18,207	47
48											0	3,760				3,761	48
49											0	0				204	49
50											0	0				683	50
51											0	0				38	51
52											5,412	400				33,279	52
53											4,023	3,368				10,655	53
54				3,500						4,859	0	4,621				17,326	54
55			10	0						9,187	331	0				10,075	55
56	0		227	0						5,869	0	1,924				9,621	56
57	260		817	0						7,652	137	7,486				17,357	57
58	1,236		2,730	12,752						37,359	5,447	30,407			107	128,958	58
59	441		1,087	181	(A) 242		1,431			13,909	2,074	5,464			87	27,324	59
60	501	986*	1,234*	59	(A) 934		1,055			7,518	0	7,266			80±	20,866	60
61	165	478	700±	30	256	1,133	732			4,632	0	2,960			360±	12,064	61
62	902	8,876	869	11,818	1,817	2,194	2,857	292		19,930	3,010	17,120	0		2,414	96,358	62
63	532	1,895	273	121	593	1,292	2,428	367	0	5,390	56	4,464	+	289	1,406	21,167	63
64	869	1,841	195	120	1,126	906	1,008	502	5	3,901	78	5,531	+	135	544	19,541	64
65	1,007	2,490	945	6,287	2,121	1,287	1,435	0	331	4,103	326	7,975	+	244	1,248	33,658	65
TOTALS	5,913	16,566	9,087	34,868	7,089	6,812	10,946	1,161	336	124,309	28,565	134,498	+	668	6,246	570,744	TOTALS

* CORRECTED FIGURES FROM PREVIOUS REPORT.

(A) INCLUDES M.W.D. WATER PURCHASED UNDER CONTRACT WITH SAN GABRIEL VALLEY LABOR ASSOCIATION.

(B) HOOK LEVEES DEVELOPED IN RIVER 1954; WATER SPREAD FIGURES NOT PUBLISHED PRIOR TO 1963.

TABLE XXI

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

WATER CONSERVATION DIVISION

SUMMARY OF IMPORTED AND RECLAIMED WATER CONSERVED

SEPTEMBER 1965

RECORD OF WATER SPREAD

ACRE FEET

SEASON	DISTRIBUTION OF PURCHASED WATER (ACRE-FEET)								FINANCED BY*			IMPORTED AND RECLAIMED WATER CONSERVED IN SPREADING FACILITIES			SEASON
	IMPORTED				RECLAIMED			TOTAL*							
	SAN GABRIEL SYSTEM		RIO HONDO SYSTEM	SUB-TOTAL	SAN GABRIEL SYSTEM	RIO HONDO SYSTEM	SUB-TOTAL		ZONE I	W.R.D.	U.S.G.V.M.W.D.	SAN GABRIEL SPREADING GROUNDS	SAN GABRIEL RIVER FACILITIES	RIO HONDO SPREADING GROUNDS	
	MAIN BASIN	COASTAL BASIN													
1953-54	15,610	7,760	7,230	30,600				30,600	30,032			3,570	4,190	2,080	1953-54
1954-55	8,750	4,770	9,730	23,250				23,250	24,764			2,290	2,480	4,120	1954-55
1955-56	18,820	16,920	14,990	50,730				50,730	56,039			6,580	10,340	8,350	1955-56
1956-57	15,220	18,120	20,400	53,740				53,740	50,030			380	17,740	16,280	1956-57
1957-58	13,560	26,640	64,910	105,110				105,110	105,112			6,170	20,470	59,770	1957-58
1958-59	5,990	24,340	24,070	54,400				54,400	54,420			7,500	16,840	21,550	1958-59
1959-60	10,960	32,220	37,450	80,630				80,630	80,926			9,880	22,340	27,450	1959-60
1960-61	24,660	52,170	70,170	147,000				147,000	80,807	66,374		5,840	45,250	58,890	1960-61
1961-62	28,430	77,180	102,780	208,390	0	1,180	1,180	209,570	39,492	169,814		12,910	64,270	91,280	1961-62
1962-63	11,960	38,790	29,420	80,170	0	12,400	12,400	92,570	4,780	88,252		4,630	34,160	35,900	1962-63
1963-64	18,820	40,150	45,920	104,890	4,150	9,110	13,260	118,150	0	118,157		7,240	37,060	45,110	1963-64
1964-65	42,100	70,000	66,510	178,610	4,870	9,680	14,550	183,160	75,456	99,196	12,400	14,760	60,110	62,420	1964-65
TOTALS	212,480	409,060	493,580	1,115,120	9,020	32,370	41,390	1,146,510	601,858	541,793	12,400	81,750	335,250	433,200	TOTALS

* 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, WHEREAS AMOUNTS SHOWN UNDER FINANCING COLUMN ARE BASED ON METER READINGS TAKEN DURING NORMAL WORKING HOURS.

TABLE XXII

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

WATER CONSERVATION DIVISION

SUMMARY OF DATA ON SPREADING GROUNDS

NOT OWNED BY THE DISTRICT

SEPTEMBER 1965

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.
SAN GABRIEL CANYON EAST SIDE	DITCHES AND CHECKS	ABOUT 1917	500	-	-	-	-	100	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.	DISTRICT DELIVERS WATER, DOES HYDROGRAPHIC WORK AND SOME CONSTRUCTION. SOME WATER ALSO DIVERTED THROUGH AZUSA AND COVINA CANALS FOR PERCOLATION IN MAIN BASIN, INCLUDING CHANNEL PERCOLATION. CITRUS AND BEN LOMOND SPREADING GROUNDS, AND IRWINDALE SPREADING BASIN. NO RECORDS KEPT BEFORE 1919-20.
WEST SIDE (INCLUDING FISH CREEK SPREADING GROUNDS)	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	56	40	-	70	-	40	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 56.4 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	300	-	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			1182	-	-	-	-	465			
GROUNDS CONTROLLED BY OTHERS, THE DISTRICT COOPERATING:											
CITY OF POMONA	DITCHES CHECKS AND DEEP 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.
LOS ANGELES WATER DEPARTMENT TUJUNGA WASH	SHALLOW BASINS	1931-32	186	124	-	-	-	-	SAN FERNANDO VALLEY, EAST SIDE OF TUJUNGA WASH AT ROSCOE BOULEVARD.	LOS ANGELES CITY'S OWENS VALLEY AQUEDUCT.	PRIOR TO 1938 FLOOD, USED 80 ACRES NET. TUJUNGA CHANNEL ON WESTERLY SIDE OF GROUNDS PAVED IN 1950. DIVERSION OF TUJUNGA FLOWS TO GROUNDS ARE PRESENTLY BEING DEVELOPED AND EXPANDED.
LOS ANGELES RIVER	SHALLOW	1938-39	33	28	57,000	-	-	-	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			229	-	-	-	-	-			

*DESIGN CAPACITY OF MAIN CONCRETE CHANNEL.

TABLE XXIII

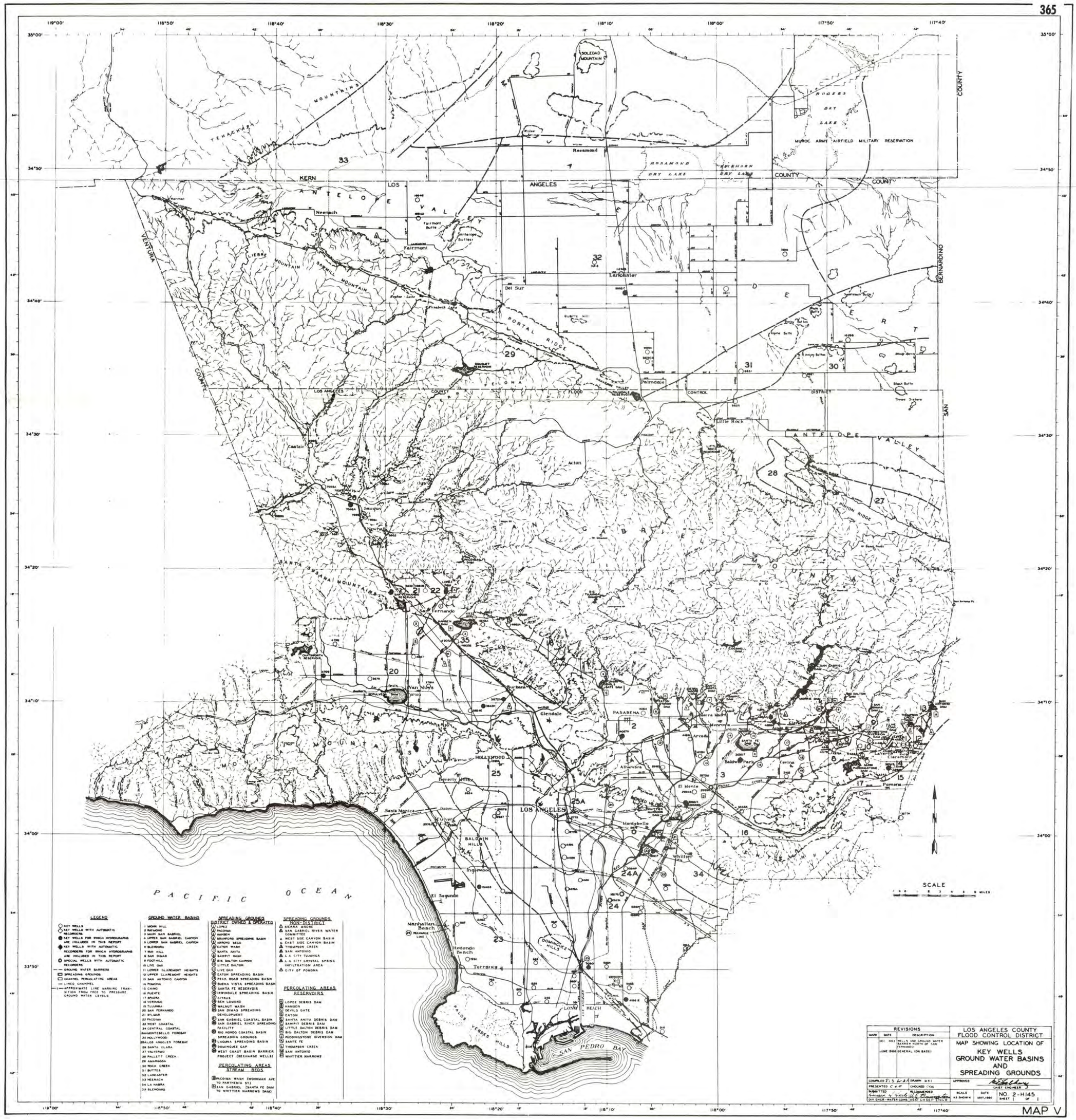
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
SUMMARY OF WATER SPREAD IN GROUNDS
NOT OWNED BY THE DISTRICT
SEPTEMBER 1965

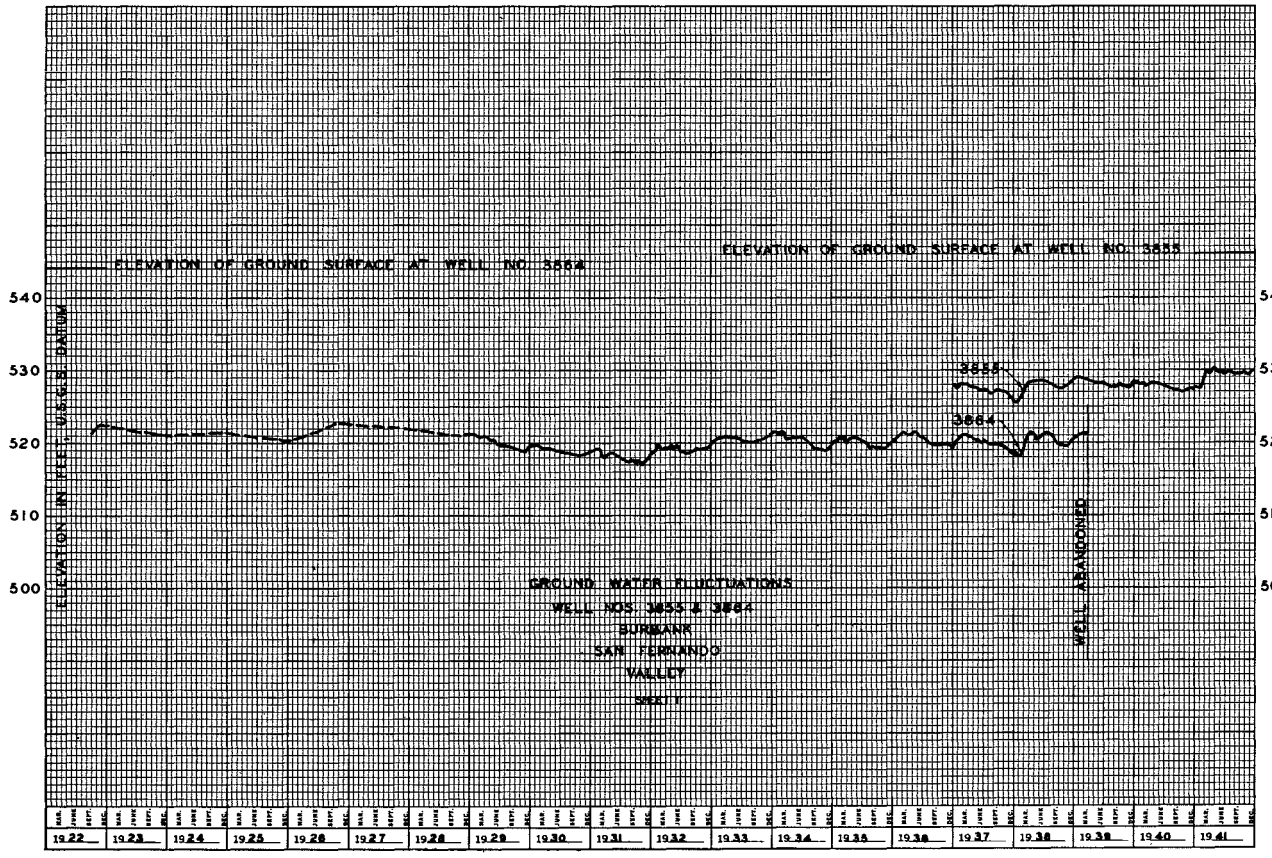
RECORD OF WATER SPREAD
ACRE FEET

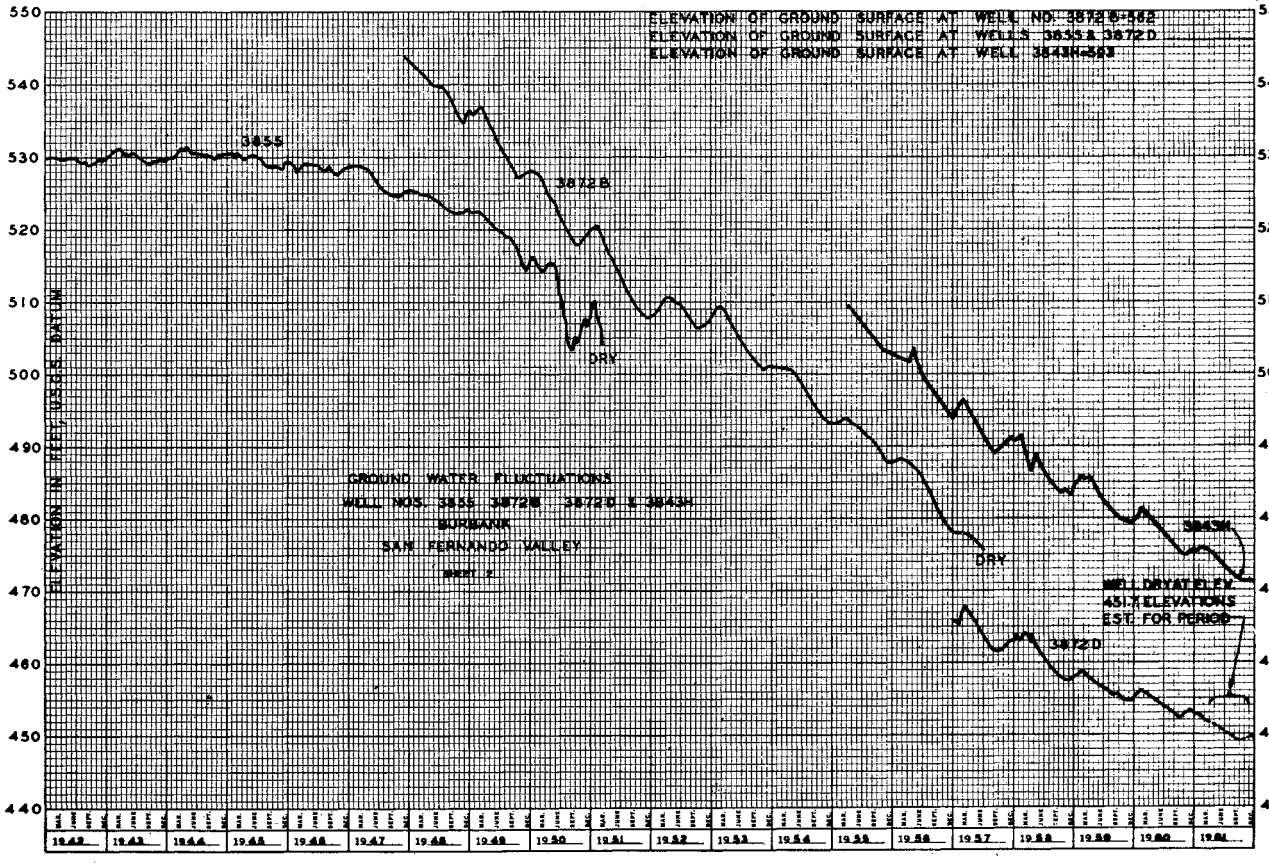
SEASON	GROUNDS IN WHICH DISTRICT DOES CONSTRUCTION MAINTENANCE AND SOME OPERATIONS						GROUNDS CONTROLLED BY OTHERS THE DISTRICT COOPERATING			TOTAL	SEASON
	CITY, SIERRA MADRE		S.G. SPRDG. CORP.		THOMPSON CREEK (B)	SAN ANTONIO (B)	CITY OF POMONA	L.A. WATER DEPT.			
	SANTA ANITA WATER	LOCAL WATER	CANYON BASIN	MAIN BASIN				TUJUNGA WASH	L.A. RIVER		
1919-20			7,974							7,974	1919-20
21			10,082							10,082	21
22			6,132			(C)				6,132	22
23			12,408			(C)				12,408	23
24			5,069			(C)				5,069	24
25			2,878			(C)				2,878	25
26			8,443			(C)				8,443	26
27			18,560	2,707		8,090	(C)			29,357	27
28			17,537	3,270	(C)	(C)	(C)			20,807	28
29			15,615	3,501	(C)	(C)	(C)			19,116	29
30			16,607	5,898	(C)	(C)	(C)			22,505	30
31			8,360	5,827	(C)	201	(C)			14,388	31
32			25,328	12,106	(C)	7,801	(C)	20,338		65,573	32
33			13,386	6,620	(C)	111	(C)	26,873		46,990	33
34		(C)	12,401	4,506	(C)	630	(C)	20,795		38,332	34
35		(C)	34,315	17,692	(C)	6,834	(C)	24,775		83,616	35
36		(C)	17,997	6,975	(C)	1,652	(C)	19,310		45,934	36
37		(C)	33,814	20,297	(C)	22,552	(C)	8,736		85,399	37
38		(C)	31,627	13,134	(C)	15,000	(C)	5,732		65,493	38
39		(C)	17,815	6,194	(C)	1,433	(C)	12,258	(D)	37,700	39
40		(C)	19,304	8,544	0	2,670	(C)	3,024	(D)	33,542	40
41		(C)	45,618	13,298	563	28,093	(C)	3,446	(D)	91,018	41
42		(C)	21,392	8,241	0	83	(C)	11,290	(D)	41,006	42
43		(C)	24,502	7,702	505	26,000	(C)	12,134	(D)	70,843	43
44		(C)	31,130	9,820	37	10,270	(C)	3,192	(D)	54,449	44
45		(C)	34,681	14,467	18	4,957	(C)	0	17,518	71,641	45
46		(C)	23,351	12,745	5	3,271	(C)	0	21,141	60,513	46
47		(C)	23,716	8,936	0	5,801	(C)	1,686	18,738	58,877	47
48		(C)	4,796	2,218	0	6	(C)	0	19,016	26,036	48
49		(C)	2,874	1,343	0	0	(C)	0	6,451	10,668	49
50		(C)	9,125	2,590	0	55	450±	762	7,691	20,673	50
51		(C)	1,378	622	0	3	0	2,355	4,917	9,275	51
52	1,547	384	27,847	8,361	163	10,467	952	7,269	1,524	58,514	52
53	257	5	15,765	5,705	0	1,011	357	0	7,424	30,524	53
54	470	113	18,021	4,960	0	3,150	916	0	6,648	34,278	54
55	288	50	20,328	6,096	0	0	838	0	10,867	38,467	55
56	349	80	19,135	8,406	0	927	660	0	6,553	36,110	56
57	295	36	16,225	6,199	0	0	1,341	0	4,784	28,880	57
58	3,897	313	47,419	7,616	164	12,881	3,026	0	6,278	81,594	58
59	343	14	24,558	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	(E)	0	0	12	0	6,121	8,710	61
62	1,313*	219*	34,008	(E)	27	2,525	234	6,894*	10,642	55,862*	62
63	874*	21	25,345 *	(E)	0	0	73	0	10,279	36,592*	63
64	427	54	12,785	(E)	0	0	70	0	11,312	24,648	64
65	905	99	17,463 **	(E)	0	+	71	0	12,881	31,419	65
TOTALS	11,049	1,392	845,759	252,772	1,482	176,474	12,783	190,869	207,870	1,700,450	TOTALS

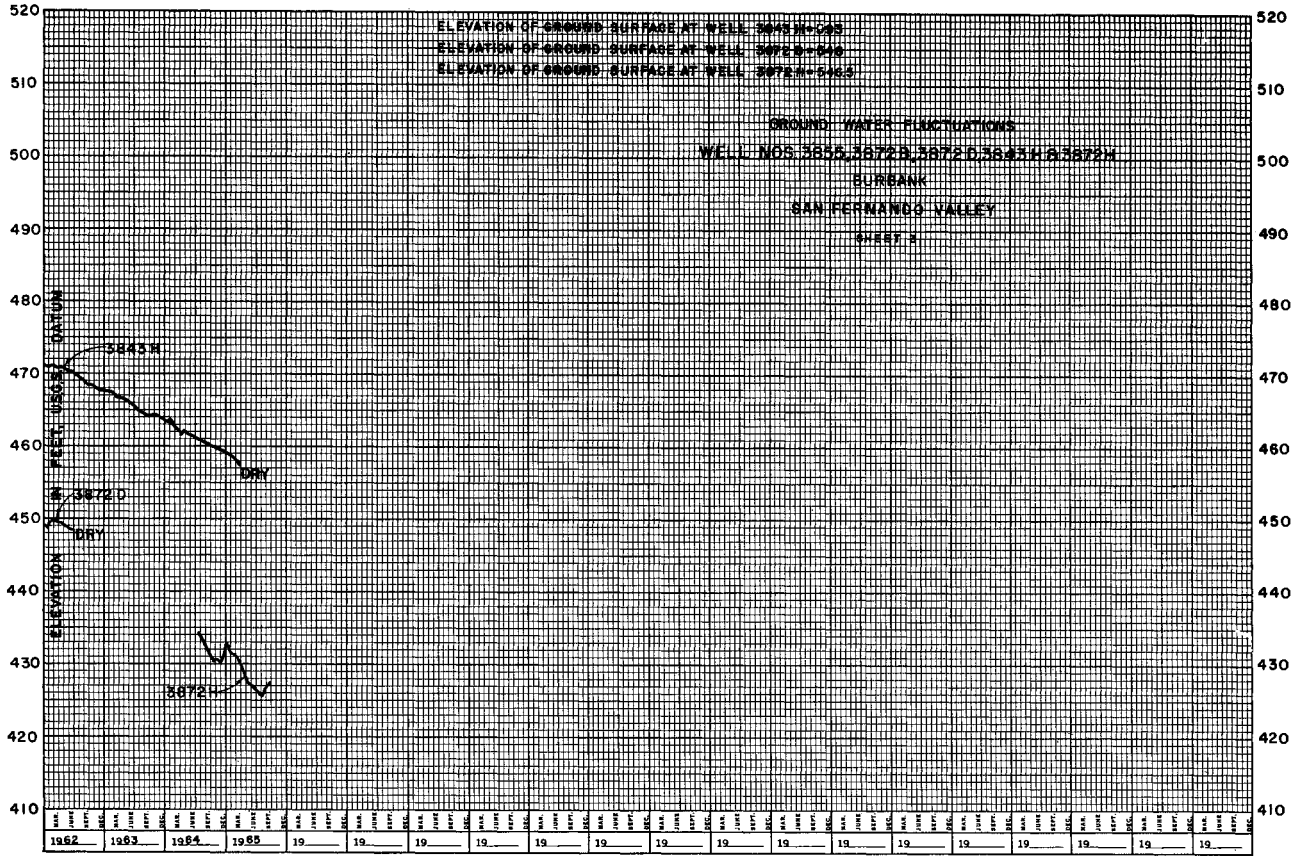
(A) BEGINNING IN 1958-59 THIS EXCLUDES CANYON WATER SPREAD AT BEN LOMOND.
(B) OPERATED BY POMONA VALLEY PROTECTIVE ASSOCIATION.
(C) WATER SPREAD, NO RECORDS KEPT.
(D) DAILY MEASUREMENTS MADE, TOTAL VOLUME NOT COMPUTED.
(E) EAST SIDE WATER COMMITTEE DISCONTINUED KEEPING RECORDS AS OF 1959-60 SEASON.

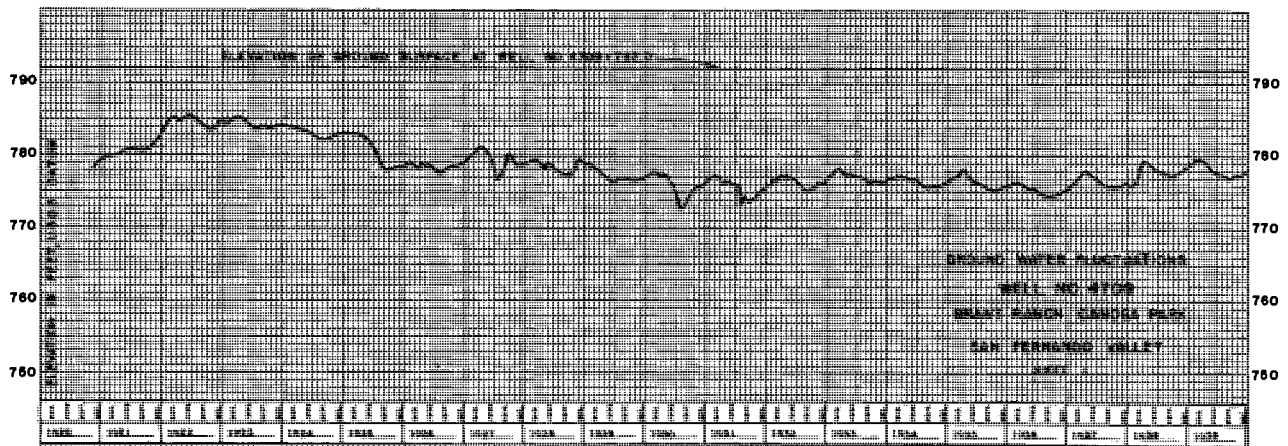
* CORRECTED FIGURES FROM PREVIOUS REPORT.
** SAN GABRIEL SPREADING CORPORATION DISSOLVED IN THE SPRING OF 1965.

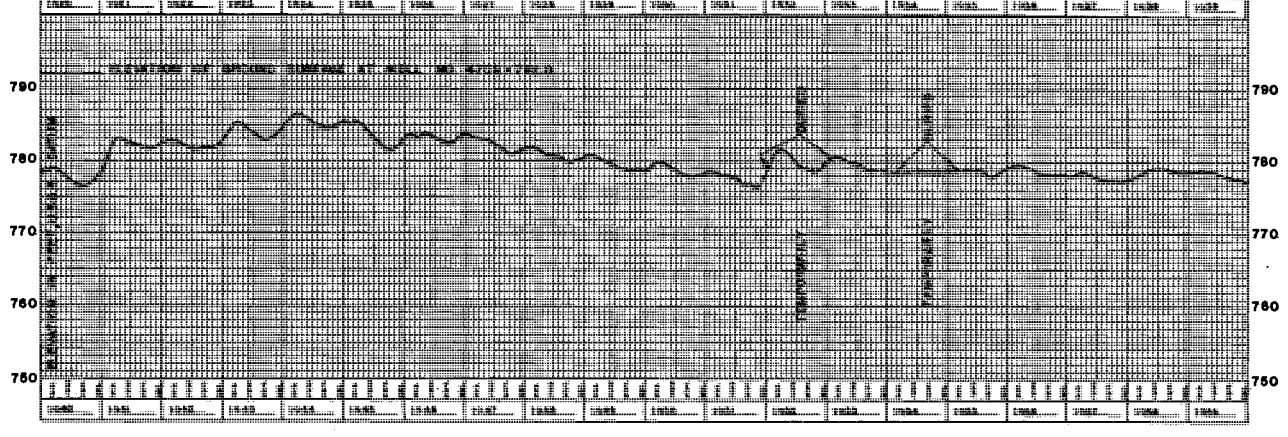

LEGEND
KEY WELLS
KEY WELLS WITH AUTOMATIC RECORDERS
KEY WELLS FOR WHICH HYDROGRAPHS ARE INCLUDED IN THIS REPORT
KEY WELLS WITH AUTOMATIC RECORDERS FOR WHICH HYDROGRAPHS ARE INCLUDED IN THIS REPORT
SPECIAL WELLS WITH AUTOMATIC RECORDERS
GROUND WATER BARRIERS
SPREADING GROUNDS
CHANNEL PERCOLATING AREAS
LINED CHANNEL
APPROXIMATE LINE MARKING TRANSITION FROM FREE TO PRESSURE GROUND WATER LEVELS
GROUND WATER BASINS
1 MONK HILL
2 RAYMOND
3 MAIN SAN GABRIEL
4 UPPER SAN GABRIEL CANYON
5 LOWER SAN GABRIEL CANYON
6 GLENDORA
7 RIO HILL
8 SAN DIMAS
9 FOOTHILL
10 LIVE OAK
11 LOWER CLAREMONT HEIGHTS
12 UPPER CLAREMONT HEIGHTS
13 SAN ANTONIO CANYON
14 POMONA
15 CHINO
16 PUENTE
17 SPADRA
18 VERDUGO
19 TUJUNGA
20 SAN FERNANDO
21 SYLMAR
22 PACOIMA
23 WEST COASTAL
24 CENTRAL COASTAL
24A MONTEBELLO FOREBAY
25 HOLLYWOOD
25A LOS ANGELES FOREBAY
26 SANTA CLARA
27 VALVERDE
28 PALLETT CREEK
29 AMARGOSA
30 ROCK CREEK
31 BUTTES
32 LANCASTER
33 NEENACH
34 LA HABRA
35 GLENOAKS
SPREADING GROUNDS DISTRICT OWNED & OPERATED
LOPEZ
PACOIMA
HANSEN
BRANFORD SPREADING BASIN
ARROYO SECO
EATON WASH
SANTA ANITA
SAWPIT WASH
BIG DALTON CANYON
LITTLE DALTON
LIVE OAK
EATON SPREADING BASIN
PECK ROAD SPREADING BASIN
BUENA VISTA SPREADING BASIN
SANTA FE RESERVOIR
IRWINDALE SPREADING BASIN
CITRUS
BEN LOMOND
WALNUT WASH
SAN DIMAS SPREADING DEVELOPMENT
SAN GABRIEL COASTAL BASIN
SAN GABRIEL RIVER SPREADING FACILITY
RIO HONDO COASTAL BASIN SPREADING GROUNDS
LAGUNA SPREADING BASIN
DOMINGUEZ GAP
WEST COAST BASIN BARRIER PROJECT (RECHARGE WELLS)
PERCOLATING AREAS STREAM BEDS
PACOIMA WASH (WOODMAN AVE TO PARTHENIA ST)
SAN GABRIEL (SANTA FE DAM TO WHITTIER NARROWS DAM)
SPREADING GROUNDS NON-DISTRICT
SIERRA MADRE
SAN GABRIEL RIVER WATER COMMITTEE
WEST SIDE CANYON BASIN
EAST SIDE CANYON BASIN
THOMPSON CREEK
SAN ANTONIO
L.A. CITY TUJUNGA
L.A. CITY CRYSTAL SPRING INFILTRATION AREA
CITY OF POMONA
PERCOLATING AREAS RESERVOIRS
LOPEZ DEBRIS DAM
HANSEN
DEVILS GATE
EATON
SANTA ANITA DEBRIS DAM
SAWPIT DEBRIS DAM
LITTLE DALTON DEBRIS DAM
BIG DALTON DEBRIS DAM
PUDDINGSTONE DIVERSION DAM
SANTE FE
THOMPSON CREEK
SAN ANTONIO
WHITTIER NARROWS
PACIFIC OCEAN
SAN PEDRO BAY
SCALE
REVISIONS
MARK DATE DESCRIPTION
DEC. 1963 WELLS AND GROUND WATER BARRIER NORTH OF SAN FERNANDO
JUNE 1966 GENERAL (ON BASE)
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MAP SHOWING LOCATION OF KEY WELLS GROUND WATER BASINS AND SPREADING GROUNDS
COMPILED
DRAWN
APPROVED
PRESENTED
CHECKED
SUBMITTED
RECOMMENDED
CHIEF ENGINEER
SCALE AS SHOWN
DATE MAY, 1960
NO. 2-H145
SHEET 1 OF 1
MAP V

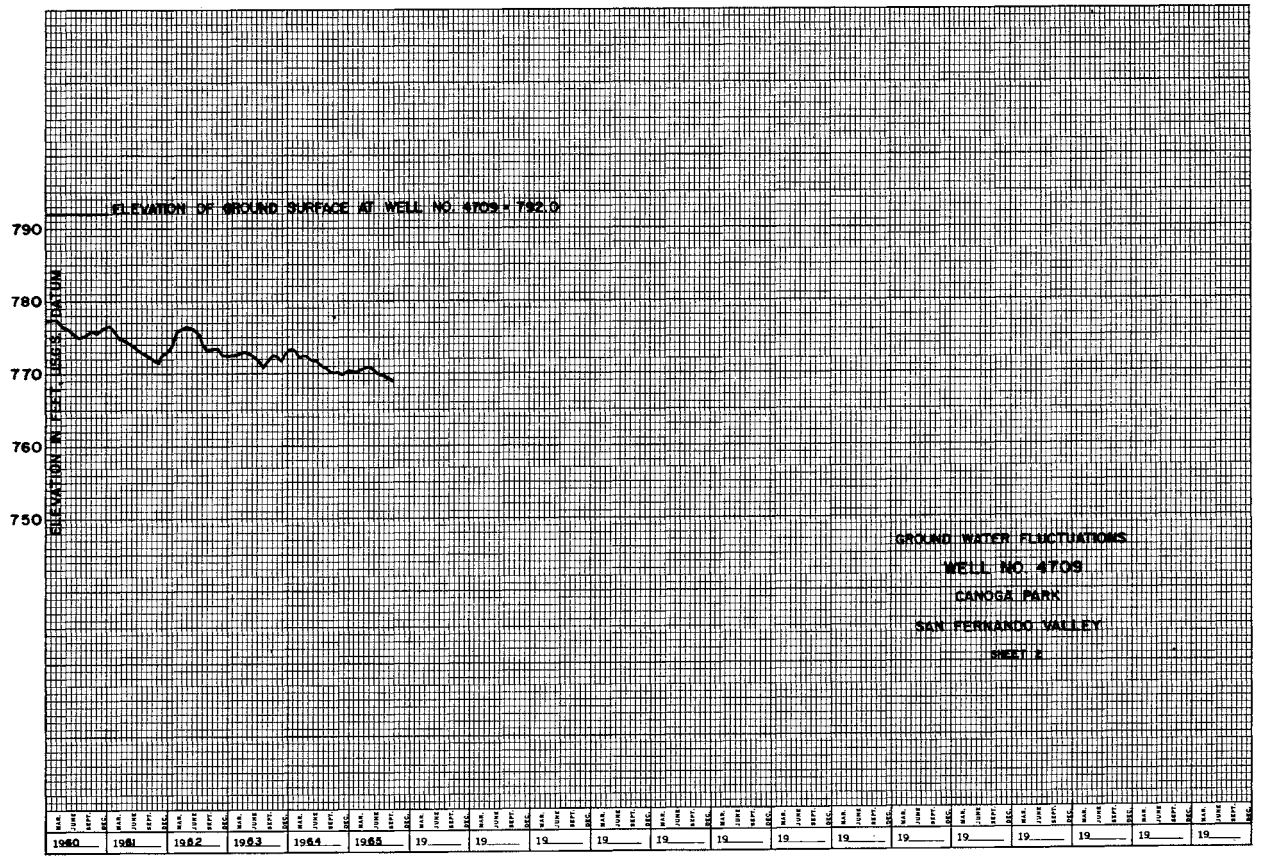

ELEVATION OF GROUND SURFACE AT WELL NO. 3854
ELEVATION OF GROUND SURFACE AT WELL NO. 3855
ELEVATION IN FEET, U.S.G.S. DATUM
540
530
520
510
500
3855
3854
WELL ABANDONED
GROUND WATER FLUCTUATIONS
WELL NOS. 3855 & 3854
BURBANK
SAN FERNANDO
VALLEY
SHEET 1
1922
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941

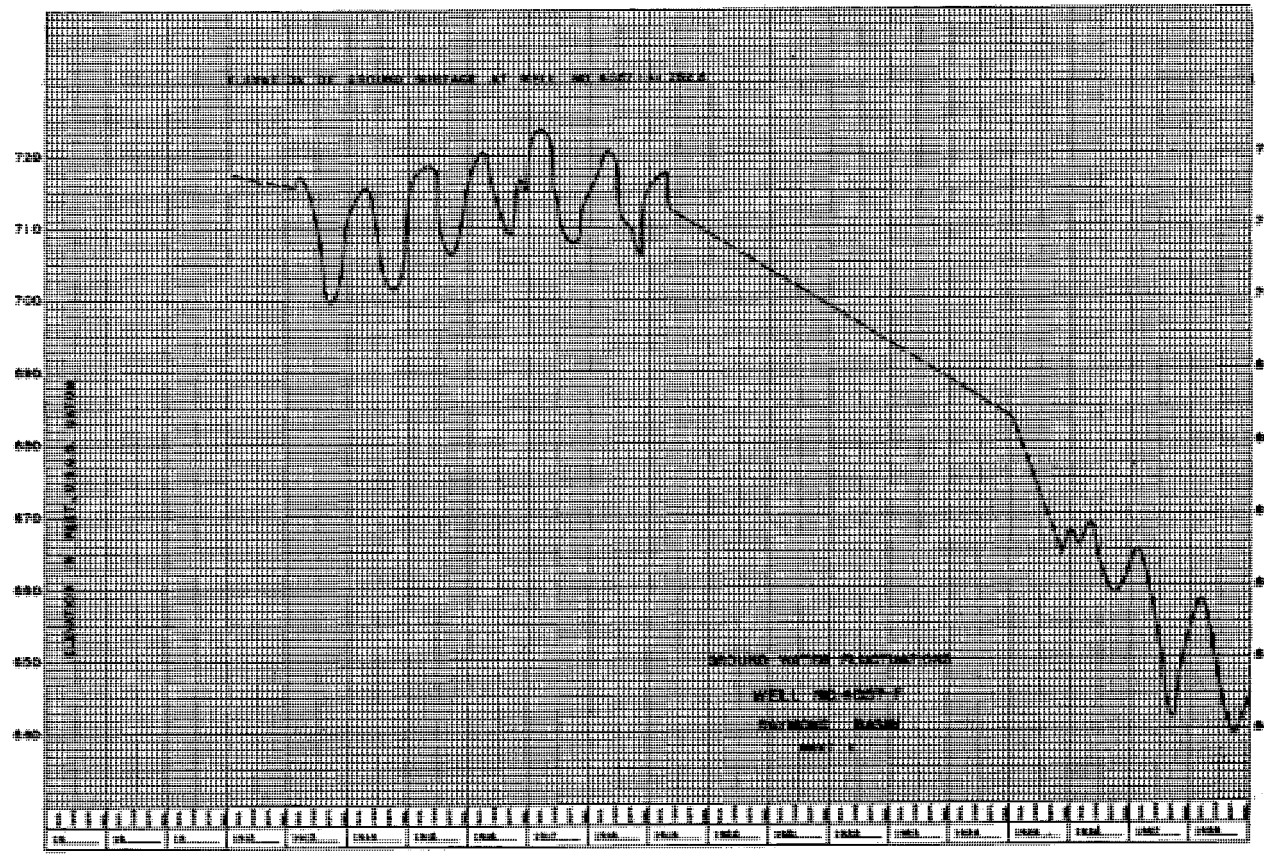

ELEVATION OF GROUND SURFACE AT WELL NO. 3872 B-582
ELEVATION OF GROUND SURFACE AT WELLS 3855 & 3872D
ELEVATION OF GROUND SURFACE AT WELL 3843H-583
ELEVATION IN FEET, U.S.G.S. DATUM
550
540
530
520
510
500
490
480
470
460
450
440
3855
3872B
DRY
DRY
3843H
WELL DRY AT EL EV. 451.7 ELEVATIONS EST. FOR PERIOD
3872D
GROUND WATER FLUCTUATIONS
WELL NOS. 3855 3872B 3872D & 3843H
BURBANK
SAN FERNANDO VALLEY
SHEET 2
1942
1943
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961

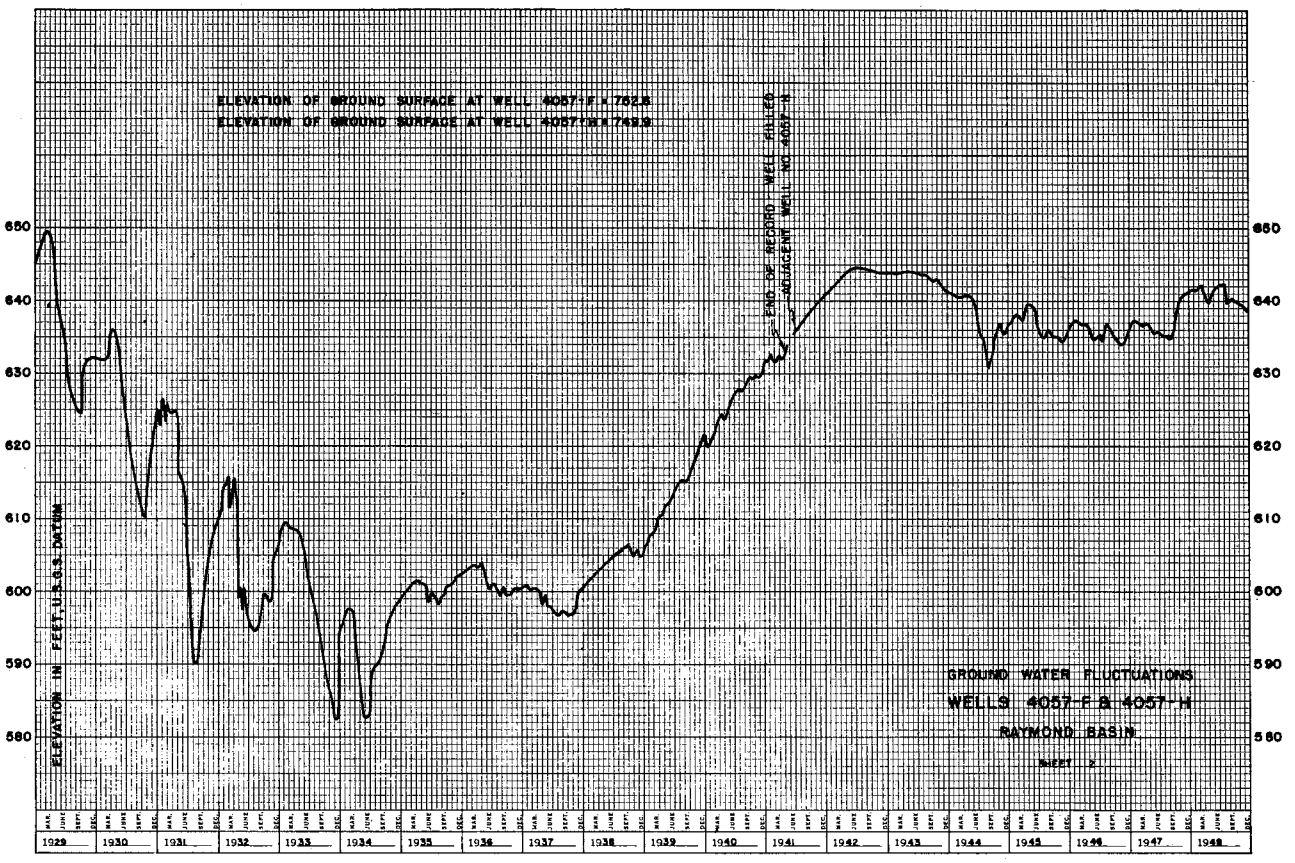

ELEVATION OF GROUND SURFACE AT WELL 3843 H=593
ELEVATION OF GROUND SURFACE AT WELL 3872 D=546
ELEVATION OF GROUND SURFACE AT WELL 3872 H=546.5
GROUND WATER FLUCTUATIONS
WELL NOS 3855,3872 B,3872 D,3843 H & 3872 H
BURBANK
SAN FERNANDO VALLEY
SHEET 2
ELEVATION IN FEET, USGS DATUM
3843 H
DRY
3872 D
DRY
3872 H
520
510
500
490
480
470
460
450
440
430
420
410
1962
1963
1964
1965
19

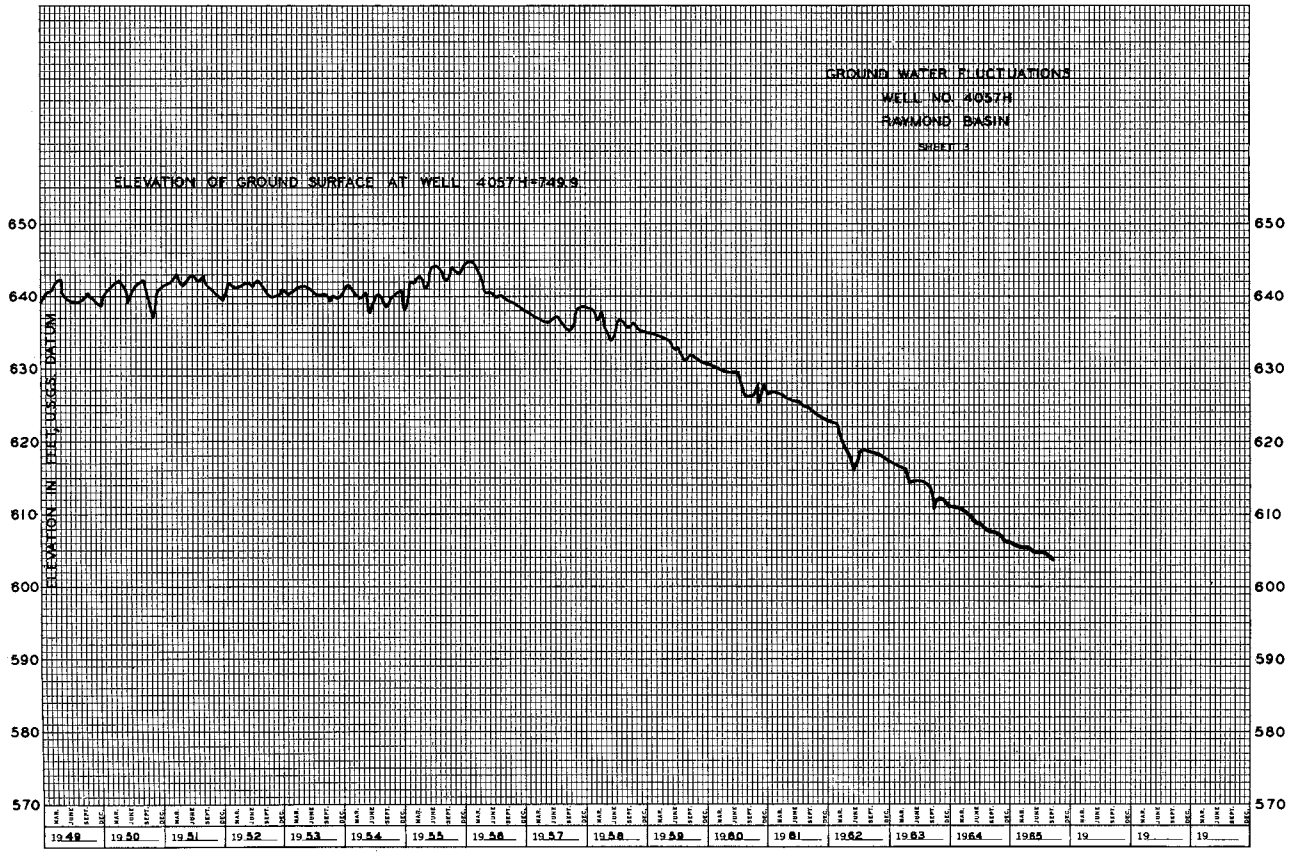

GROUND WATER FLUCTUATIONS
SAN FERNANDO VALLEY
790
780
770
760
750

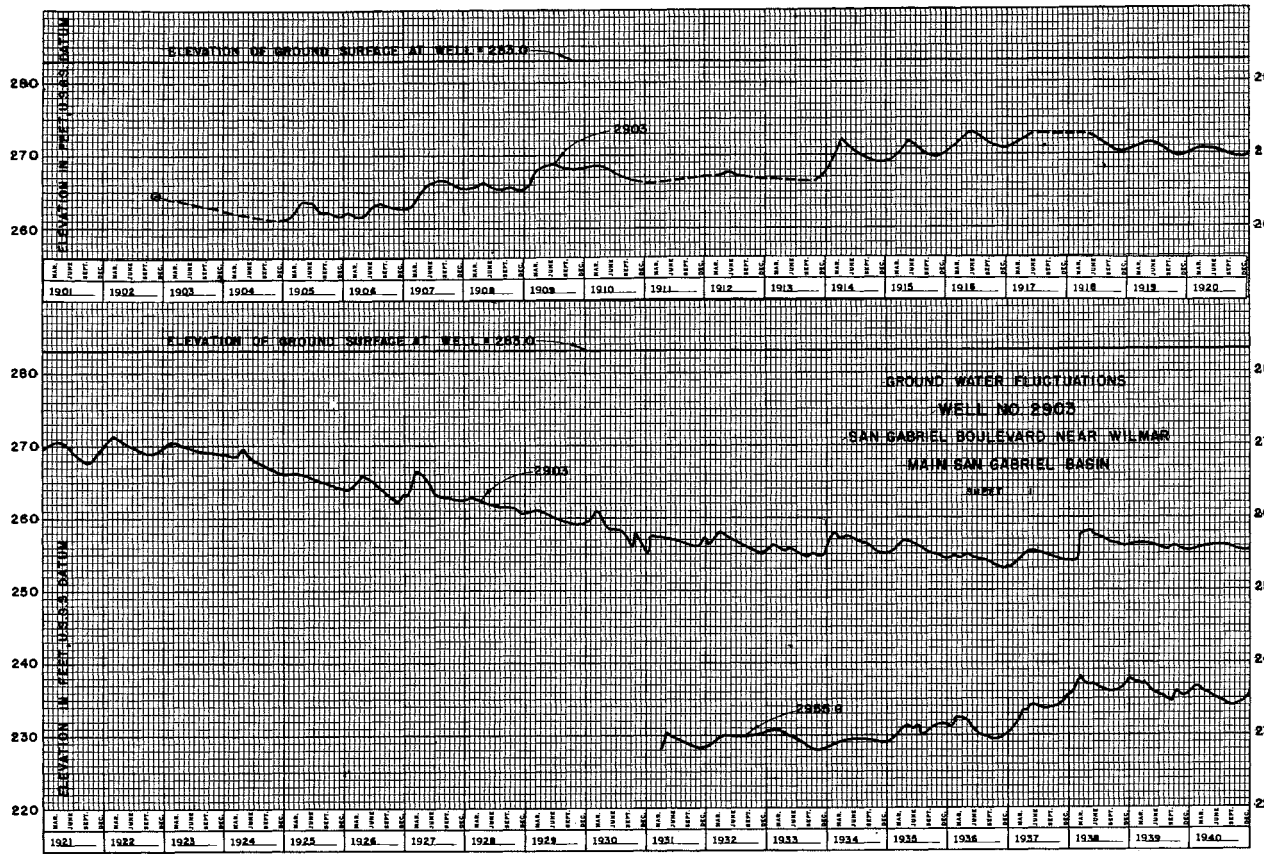

790
780
770
760
750

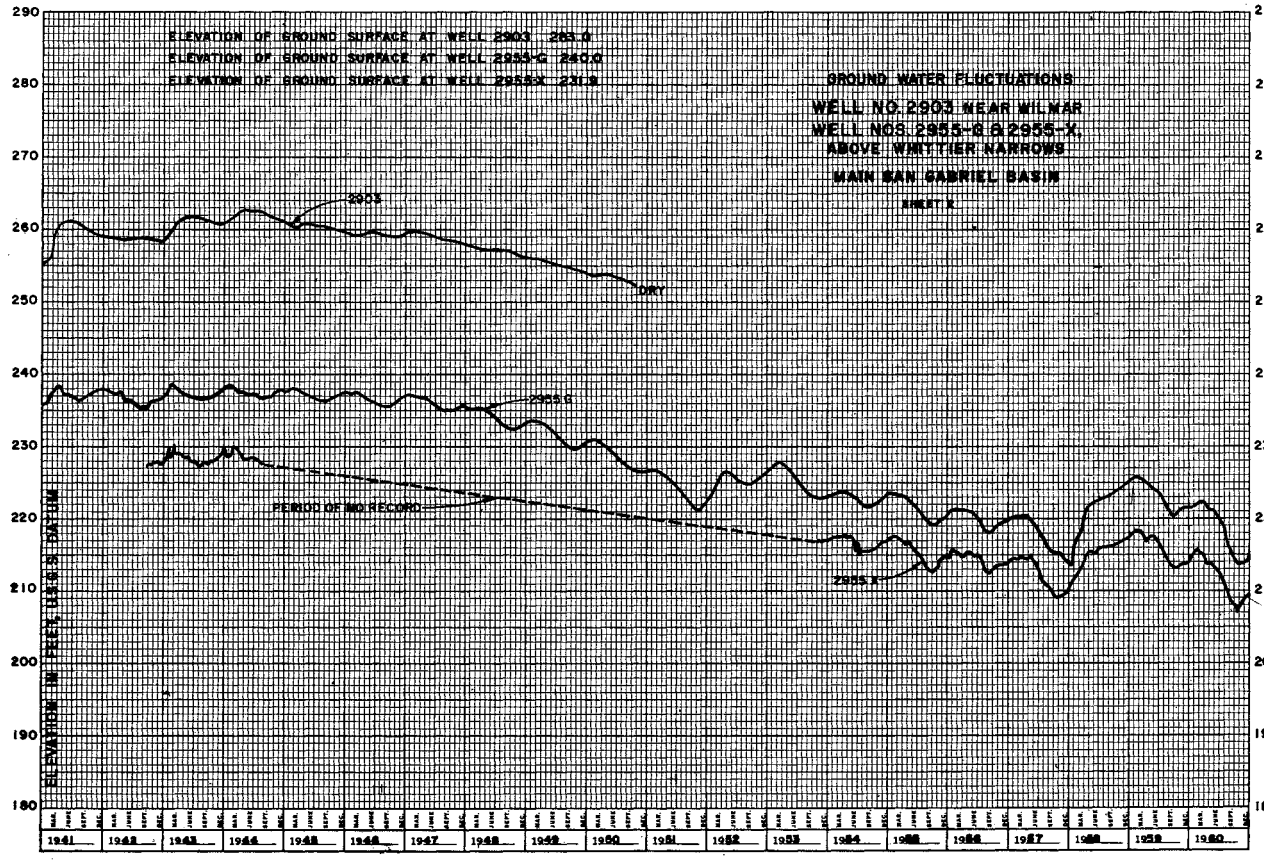

ELEVATION OF GROUND SURFACE AT WELL NO. 4709 = 792.0
790
780
770
760
750
ELEVATION IN FEET, BASE OF DATUM
GROUND WATER FLUCTUATIONS
WELL NO. 4709
CANOGA PARK
SAN FERNANDO VALLEY
SHEET 2
1980
1981
1982
1983
1984
1985

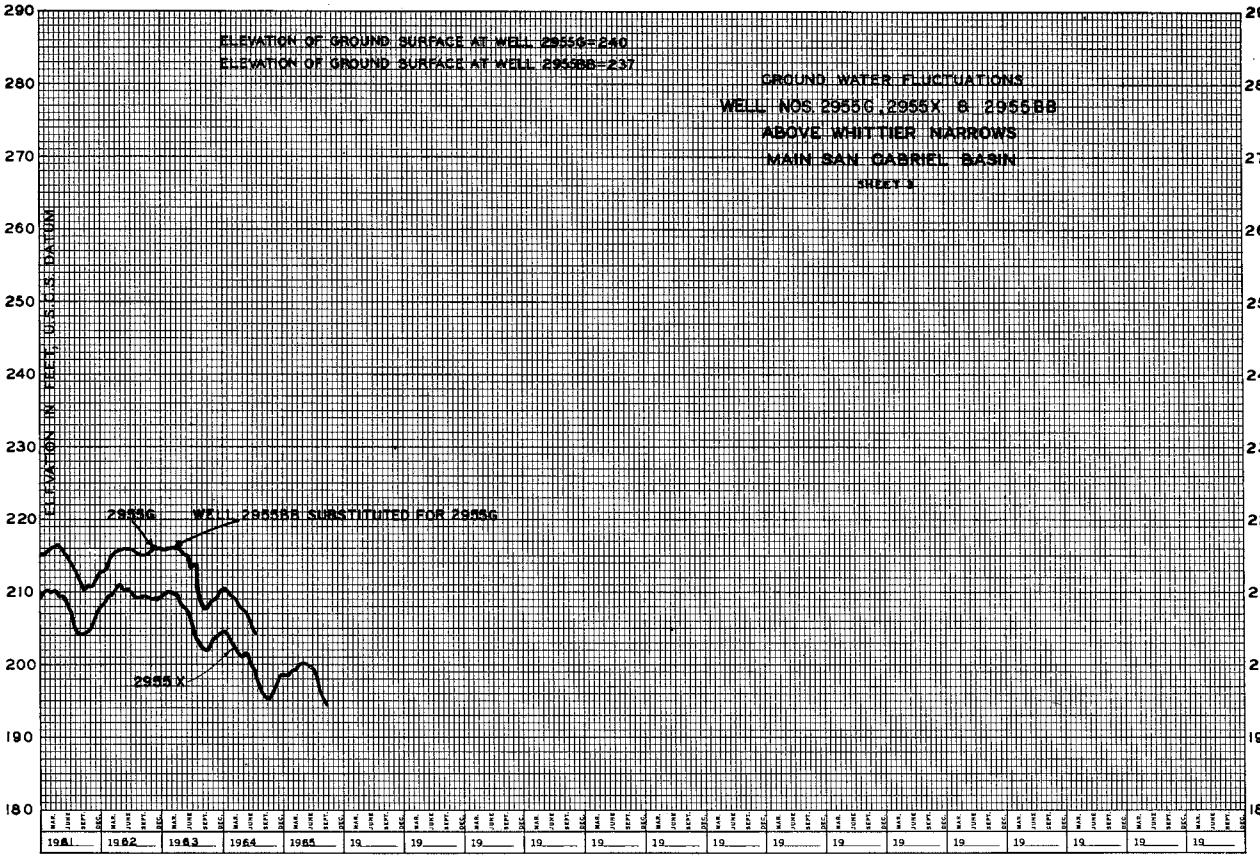


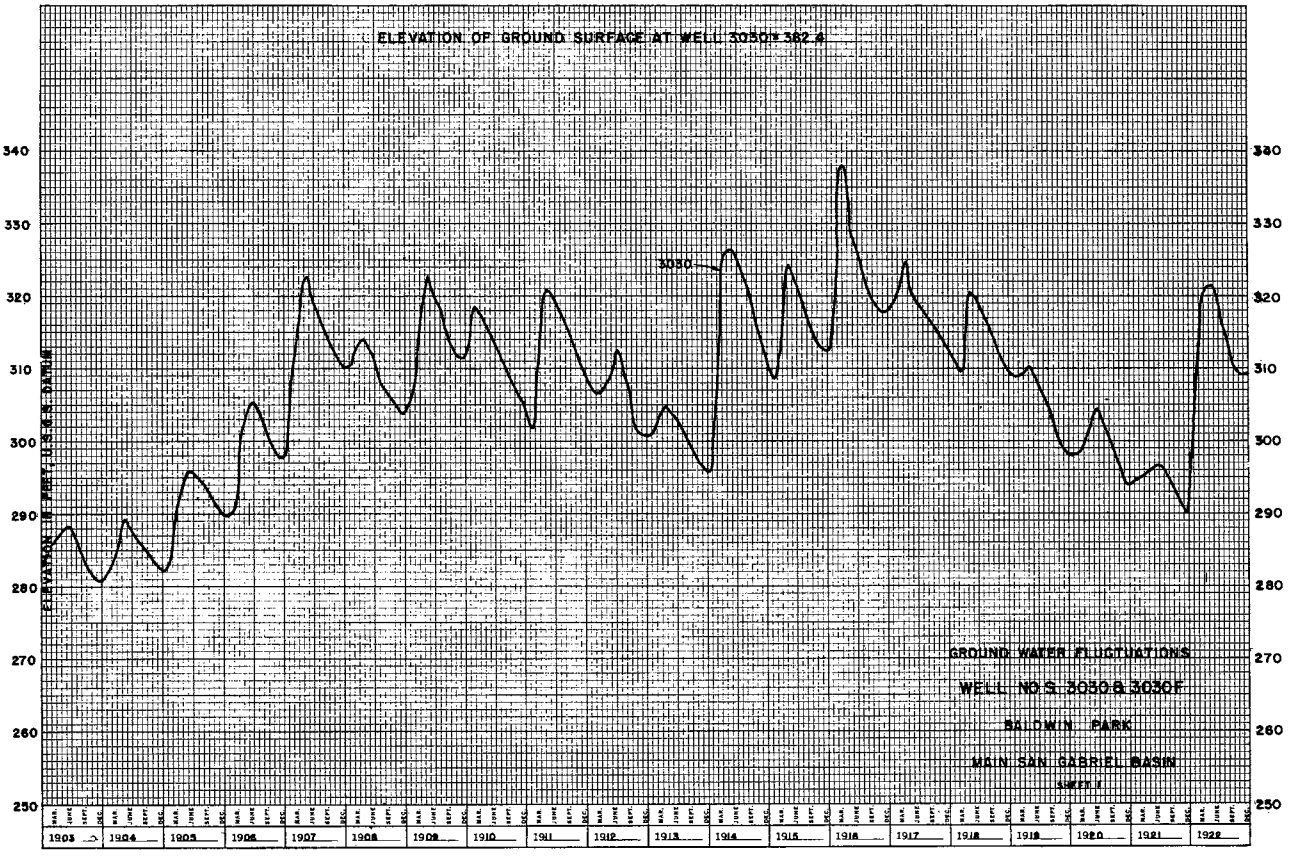

ELEVATION OF GROUND SURFACE AT WELL 4057-F ± 762.8
ELEVATION OF GROUND SURFACE AT WELL 4057-H ± 749.9
END OF RECORD WELL FILLED
ADJACENT WELL NO 4057-H
ELEVATION IN FEET, U.S.G.S. DATUM
650
640
630
620
610
600
590
580
GROUND WATER FLUCTUATIONS
WELLS 4057-F & 4057-H
RAYMOND BASIN
SHEET 2
1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948

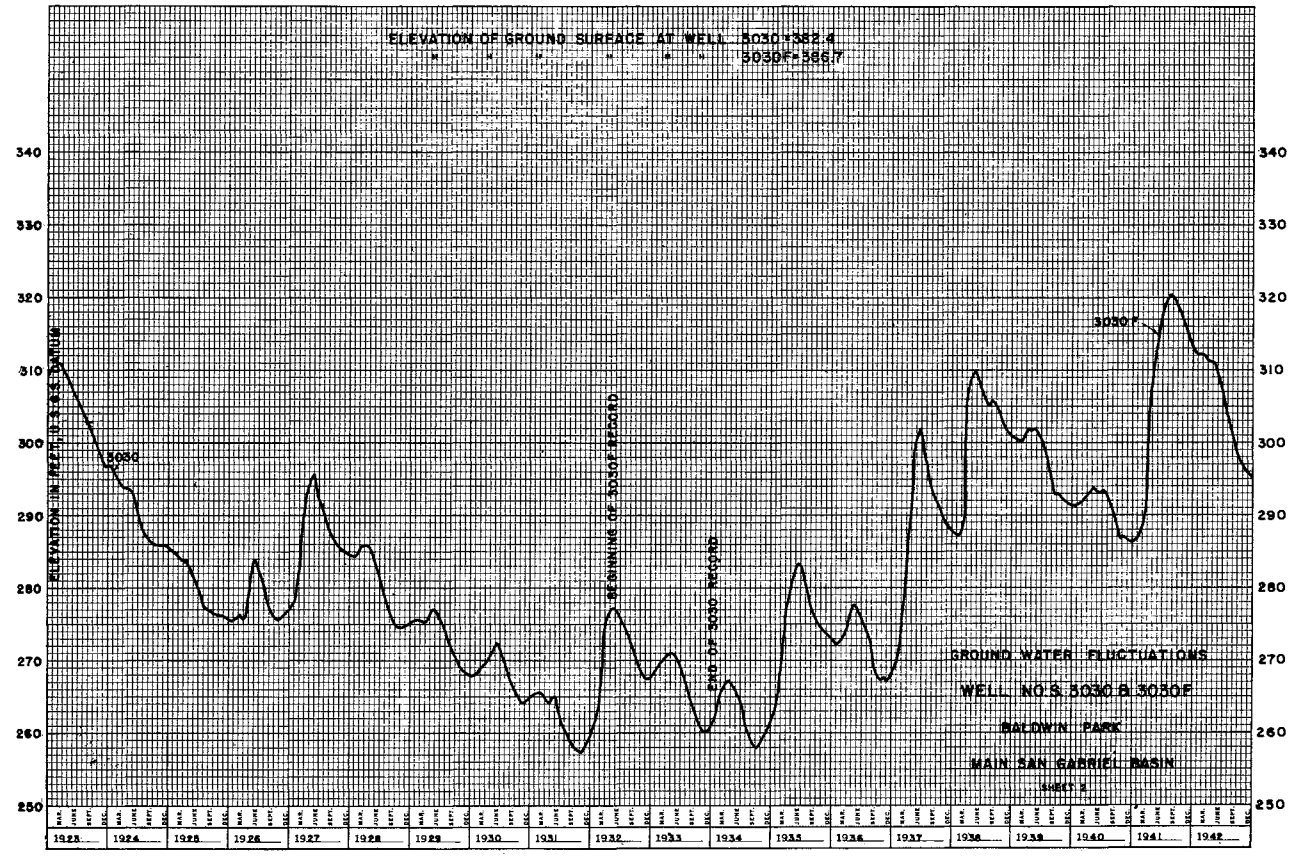

GROUND WATER FLUCTUATIONS
WELL NO. 4057-H
RAYMOND BASIN
SHEET 3
ELEVATION OF GROUND SURFACE AT WELL 4057-H ± 749.9
ELEVATION IN FEET, U.S.G.S. DATUM
650
640
630
620
610
600
590
580
570
1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 19 19 19

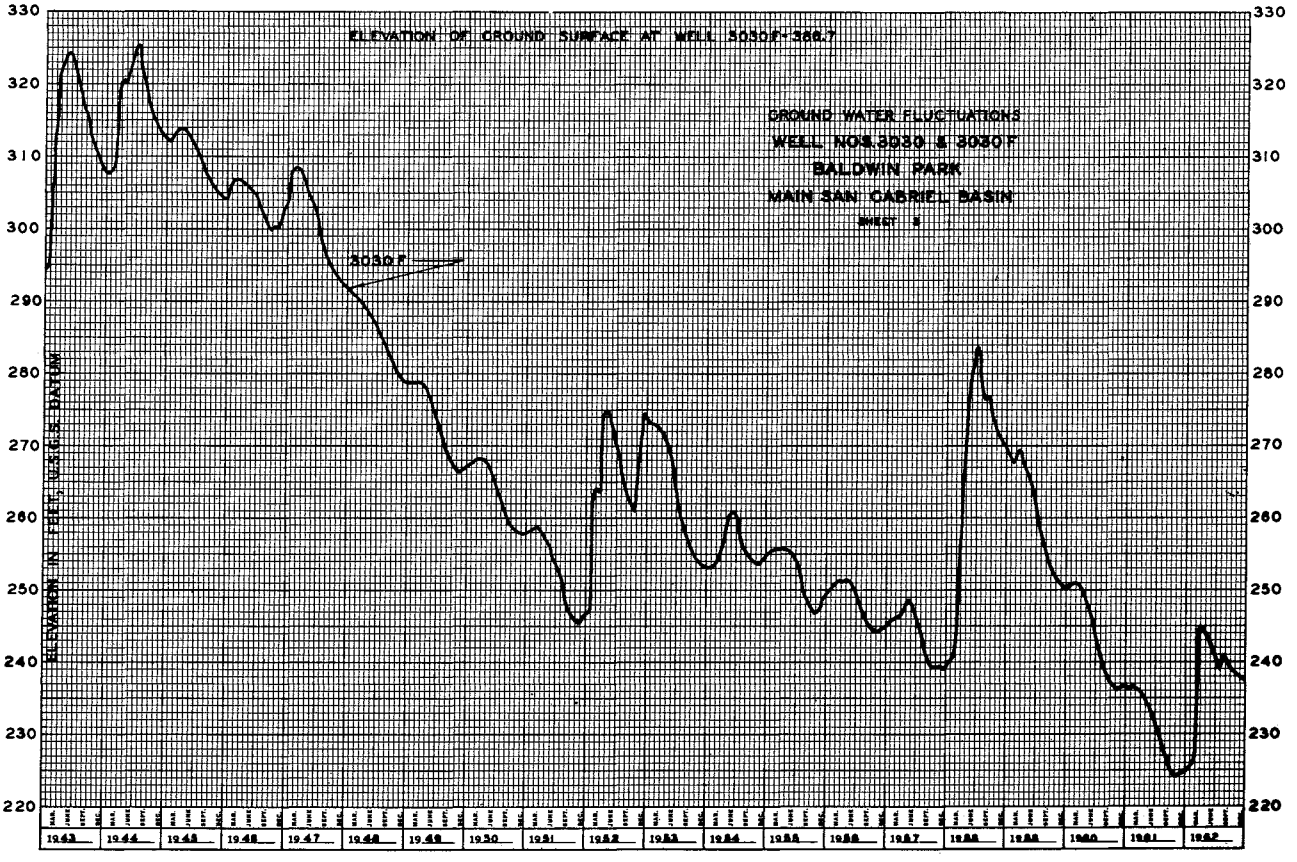

ELEVATION OF GROUND SURFACE AT WELL # 283.0
2903
ELEVATION IN FEET U.S.G.S. DATUM
GROUND WATER FLUCTUATIONS
WELL NO. 2903
SAN GABRIEL BOULEVARD NEAR WILMAR
MAIN SAN GABRIEL BASIN
SHEET II
2955-G

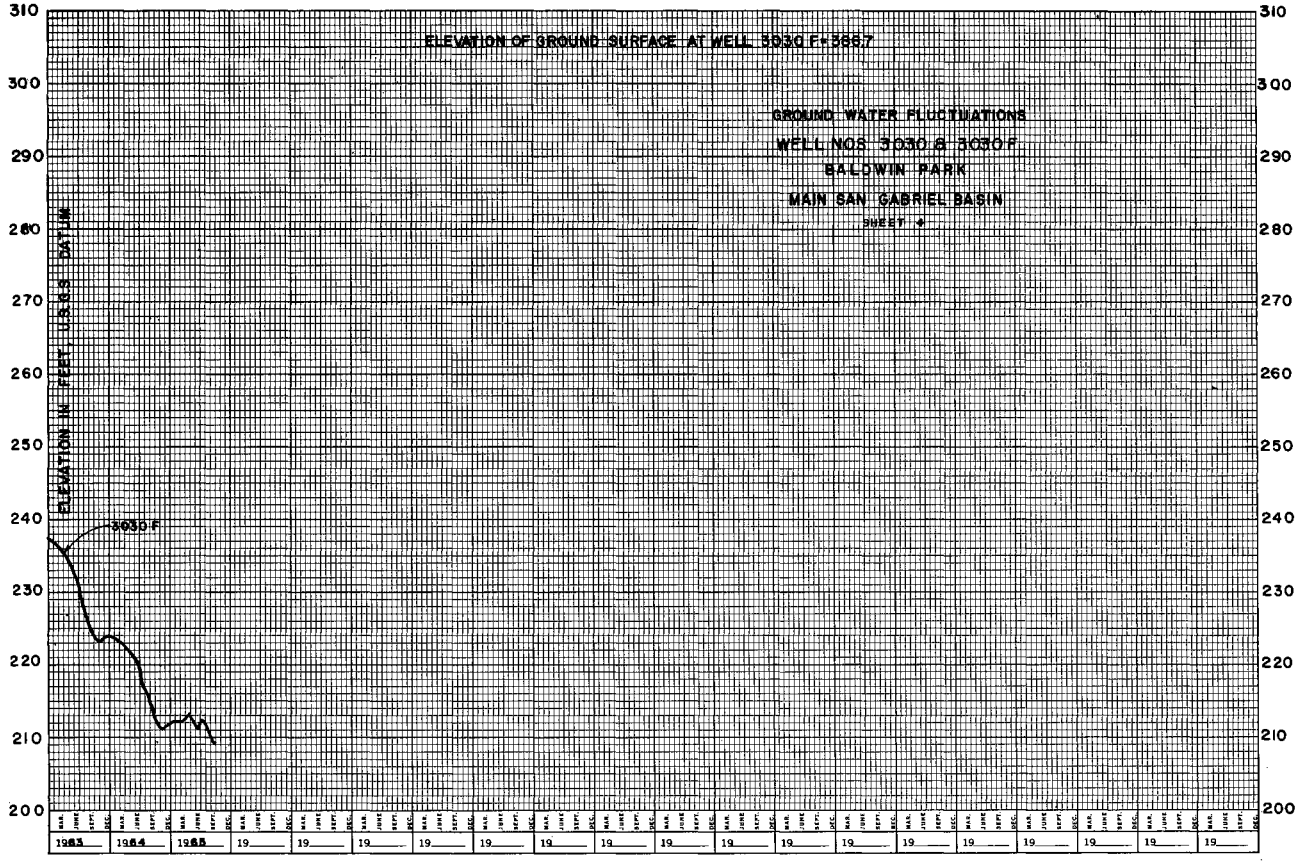

ELEVATION OF GROUND SURFACE AT WELL 2903 283.0
ELEVATION OF GROUND SURFACE AT WELL 2955-G 240.0
ELEVATION OF GROUND SURFACE AT WELL 2955-X 231.9
GROUND WATER FLUCTUATIONS
WELL NO. 2903 NEAR WILMAR
WELL NOS. 2955-G & 2955-X,
ABOVE WHITTIER NARROWS
MAIN SAN GABRIEL BASIN
SHEET X
2903
DRY
2955-G
PERIOD OF NO RECORD
2955-X
ELEVATION IN FEET, U.S.G.S. DATUM

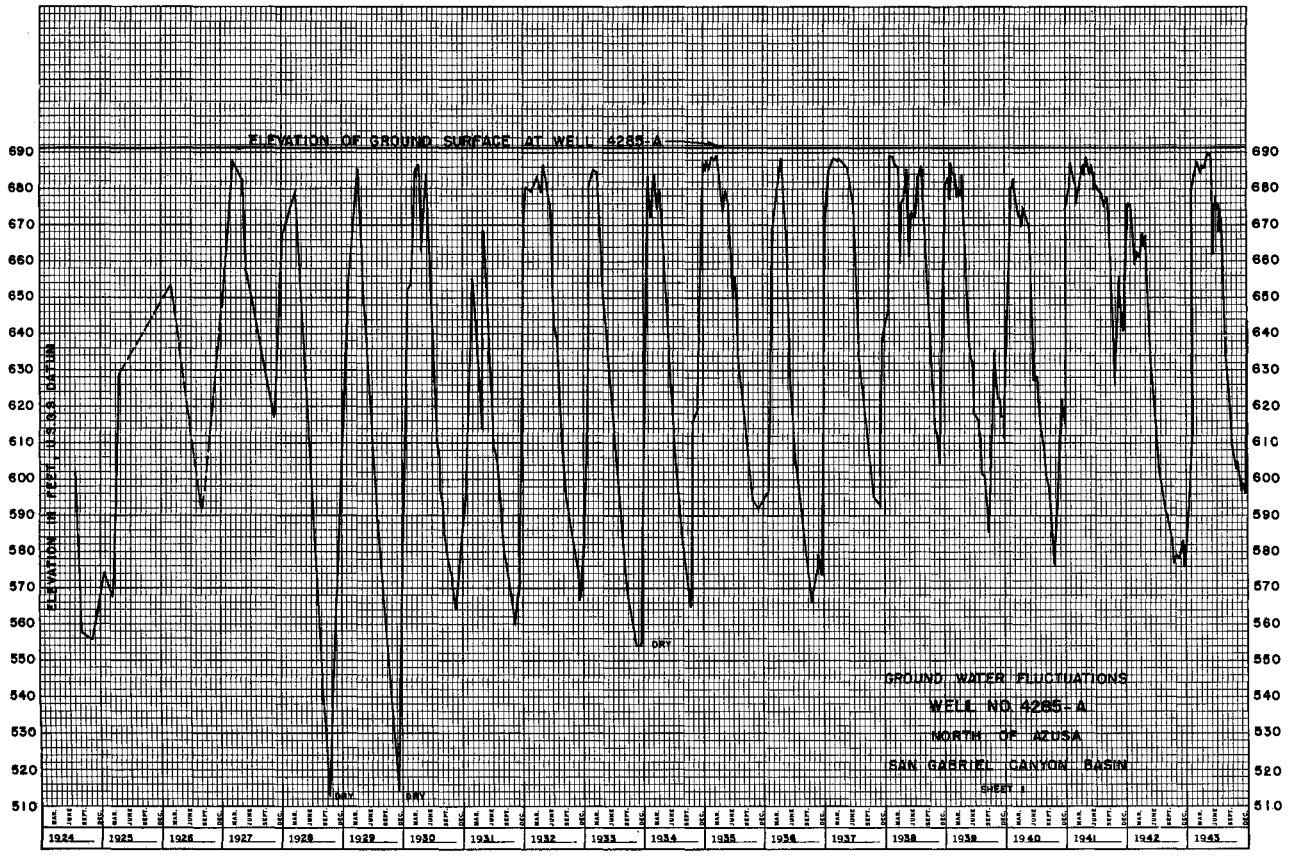

ELEVATION OF GROUND SURFACE AT WELL 2955G=240
ELEVATION OF GROUND SURFACE AT WELL 2955BB=237
GROUND WATER FLUCTUATIONS
WELL NOS. 2955G, 2955X & 2955BB
ABOVE WHITTIER NARROWS
MAIN SAN GABRIEL BASIN
SHEET 1
ELEVATION IN FEET, U.S.C.G.S. DATUM
2955G
WELL 2955BB SUBSTITUTED FOR 2955G
2955X
290
280
270
260
250
240
230
220
210
200
190
180
1961
1962
1963
1964
1965

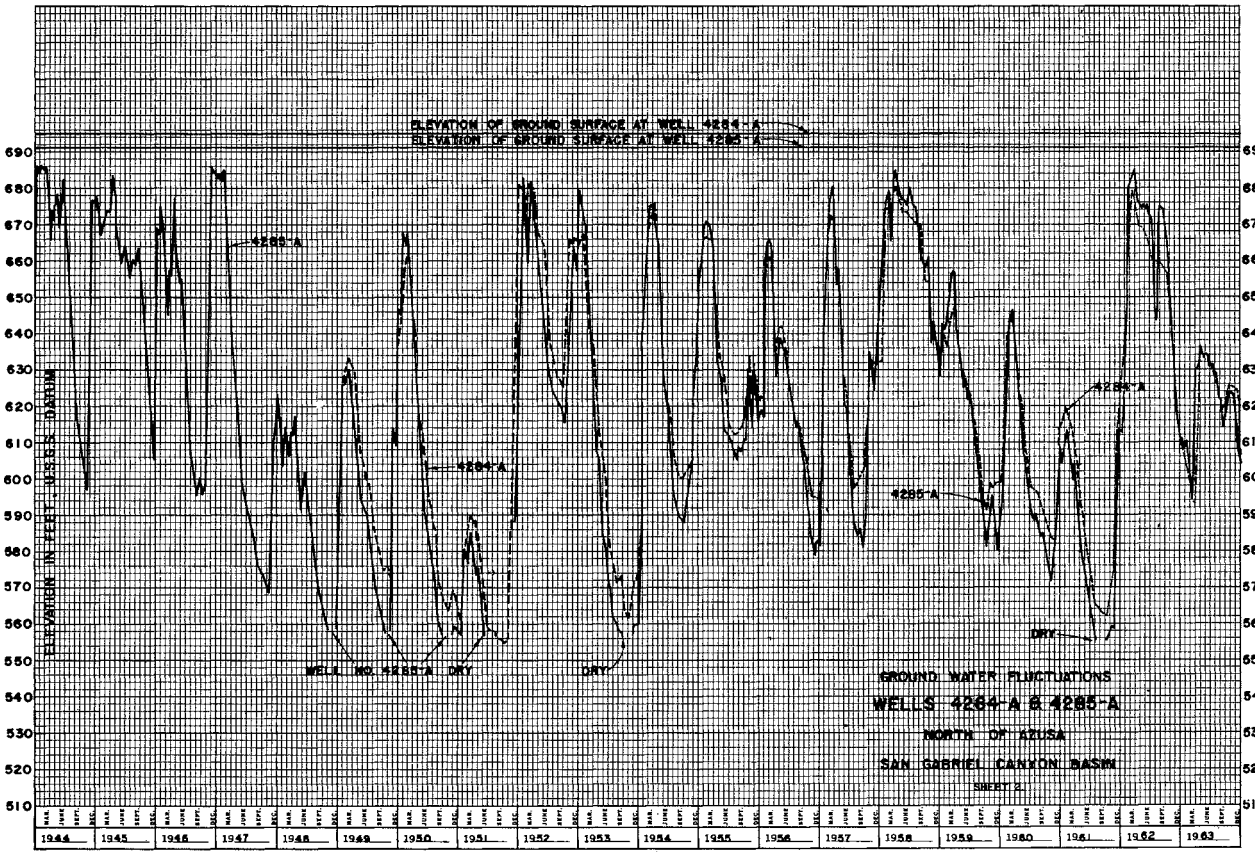

ELEVATION OF GROUND SURFACE AT WELL 3030= 362.4
3030
GROUND WATER FLUCTUATIONS
WELL NO S. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
SHEET 1
ELEVATION IN FEET, U.S.C.G.S. DATUM
340
330
320
310
300
290
280
270
260
250
1903
1904
1905
1906
1907
1908
1909
1910
1911
1912
1913
1914
1915
1916
1917
1918
1919
1920
1921
1922

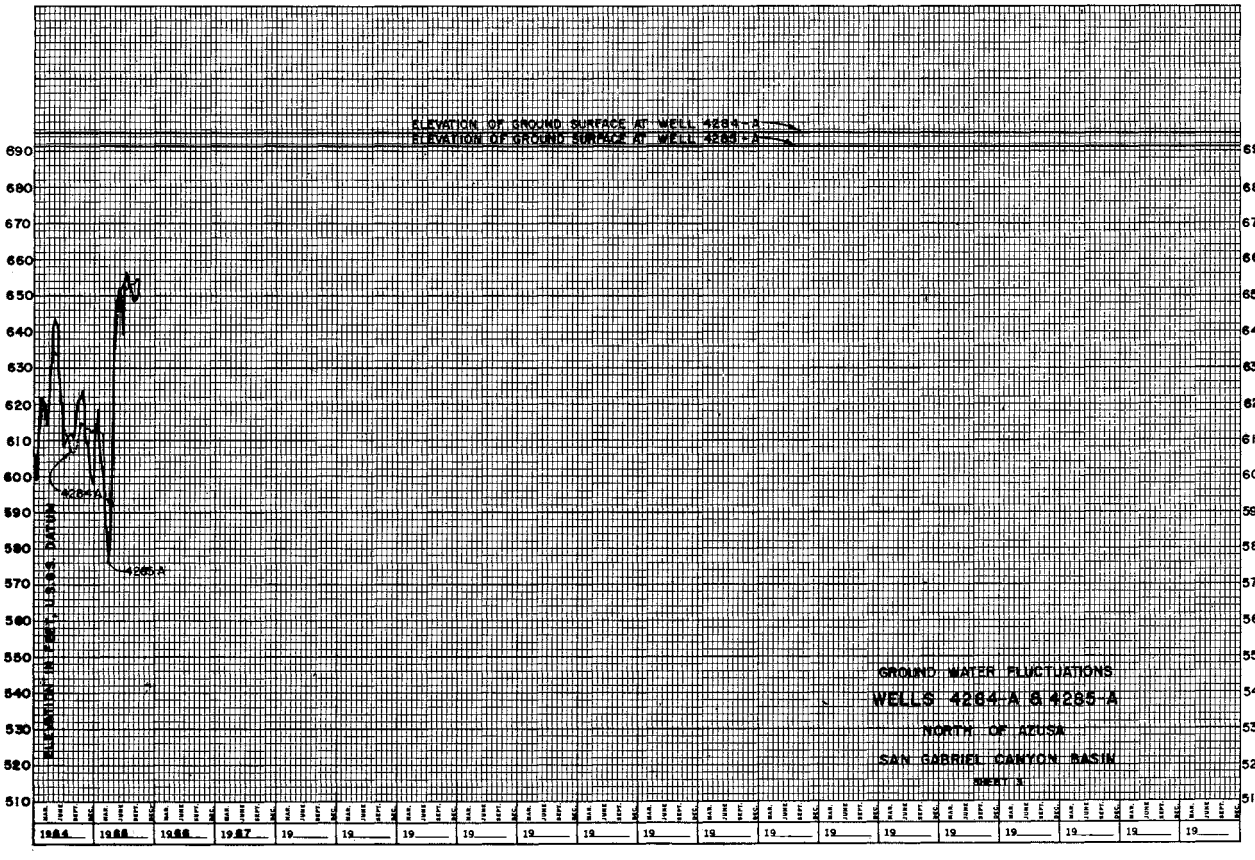

ELEVATION OF GROUND SURFACE AT WELL 3030 = 382.4
" " " " " 3030F = 386.7
ELEVATION IN FEET, U.S.G.S. DATUM
3030
3030F
BEGINNING OF 3030F RECORD
END OF 3030 RECORD
GROUND WATER FLUCTUATIONS
WELL NOS. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
SHEET 2
340
330
320
310
300
290
280
270
260
250
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942

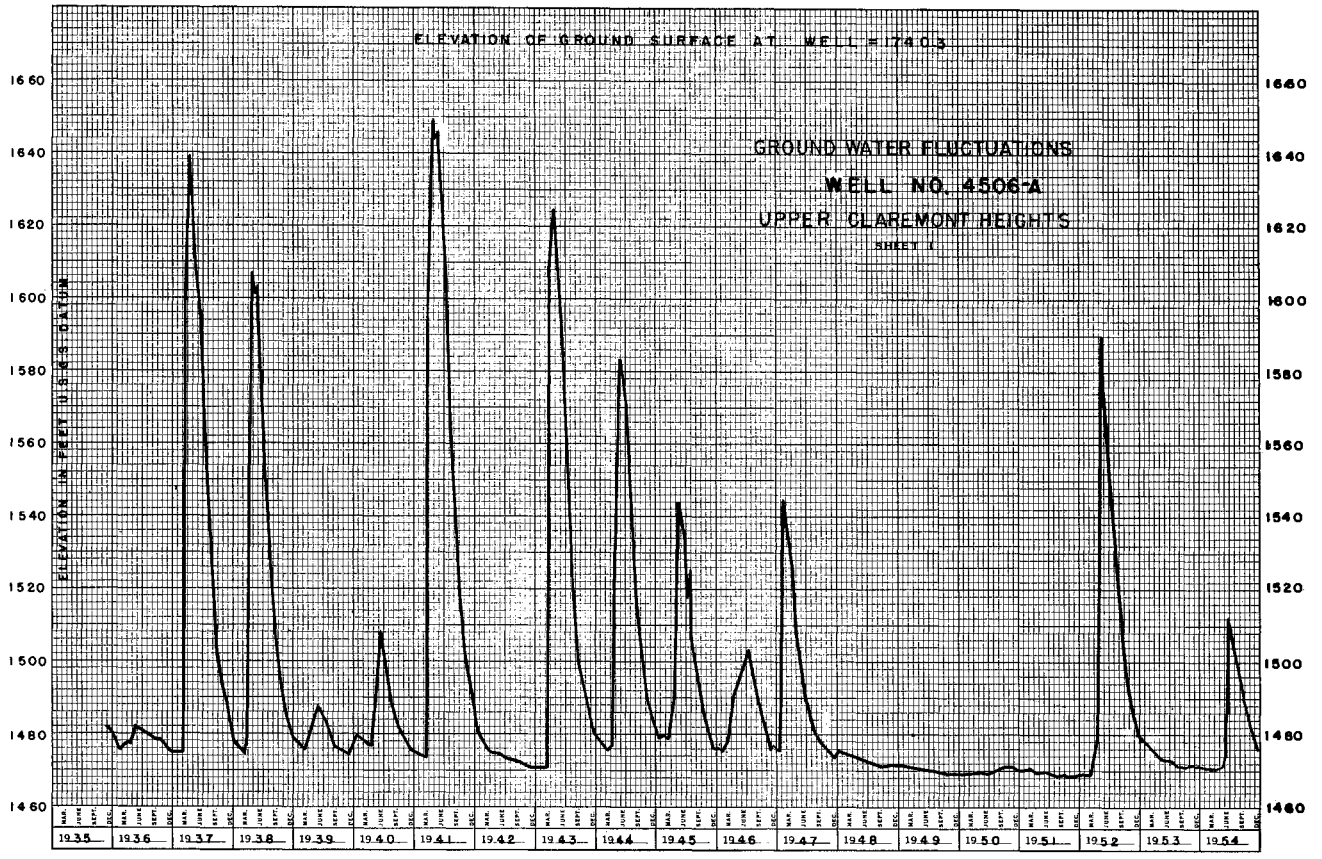

ELEVATION OF GROUND SURFACE AT WELL 3030F = 386.7
ELEVATION IN FEET, U.S.G.S. DATUM
3030F
GROUND WATER FLUCTUATIONS
WELL NOS. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
SHEET 2
330
320
310
300
290
280
270
260
250
240
230
220
1943
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961
1962

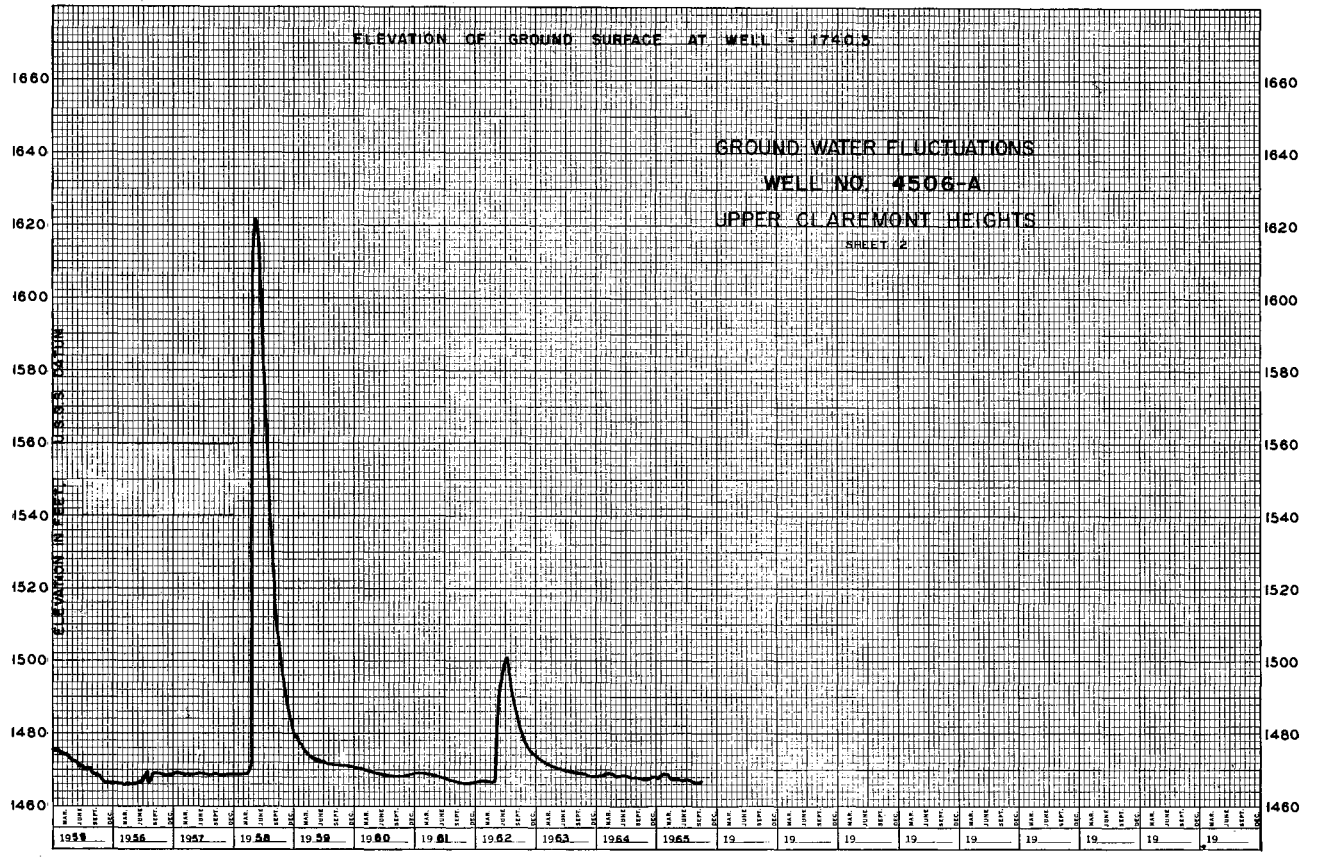

ELEVATION OF GROUND SURFACE AT WELL 3030 F=366.7
GROUND WATER FLUCTUATIONS
WELL NOS. 3030 & 3030 F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
SHEET #
ELEVATION IN FEET, U.S.G.S. DATUM
3030 F
310
300
290
280
270
260
250
240
230
220
210
200
1923
1924
1925
1926

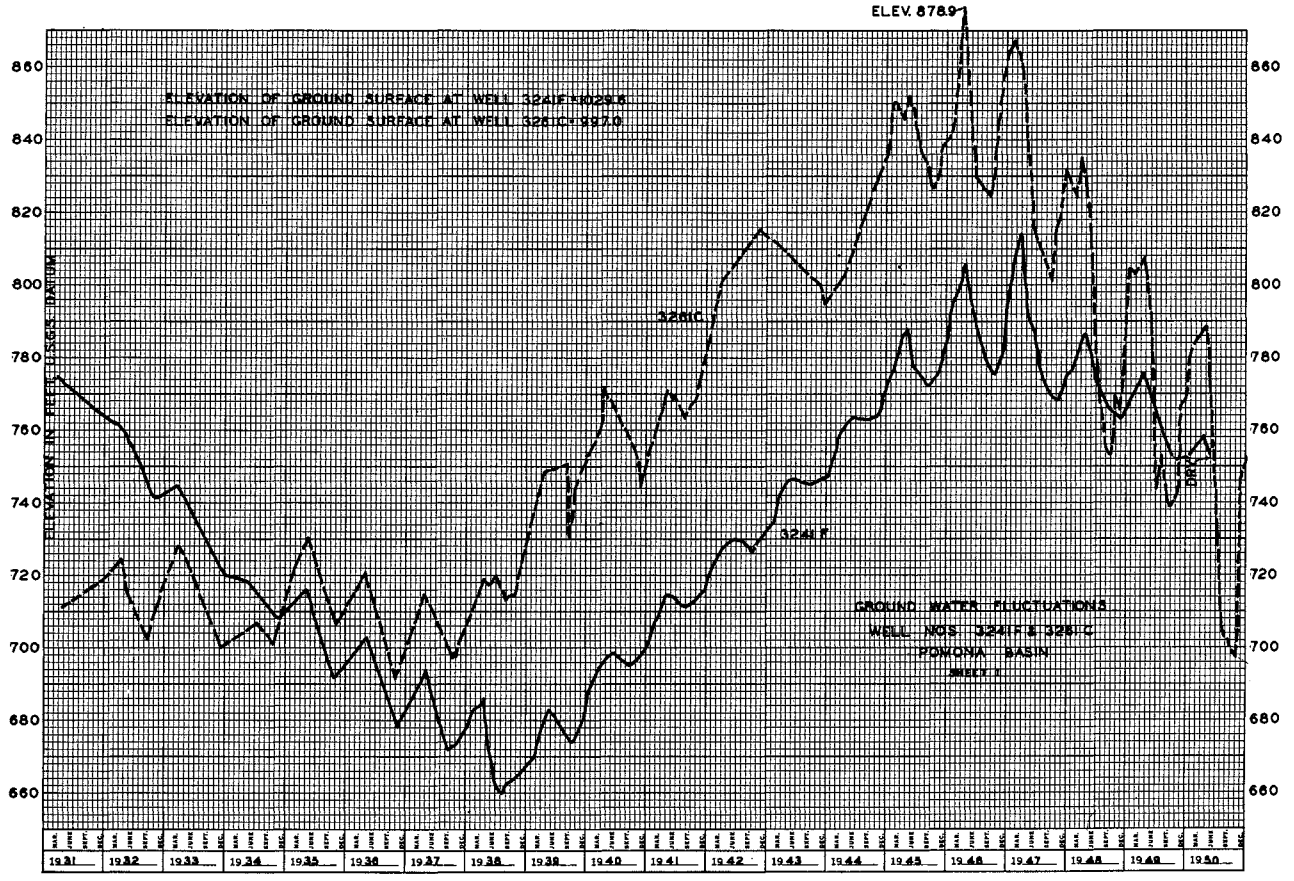

ELEVATION OF GROUND SURFACE AT WELL 4285-A
ELEVATION IN FEET, U.S.G.S. DATUM
DRY
DRY
DRY
GROUND WATER FLUCTUATIONS
WELL NO. 4285-A
NORTH OF AZUSA
SAN GABRIEL CANYON BASIN
SHEET 1
690
680
670
660
650
640
630
620
610
600
590
580
570
560
550
540
530
520
510
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943

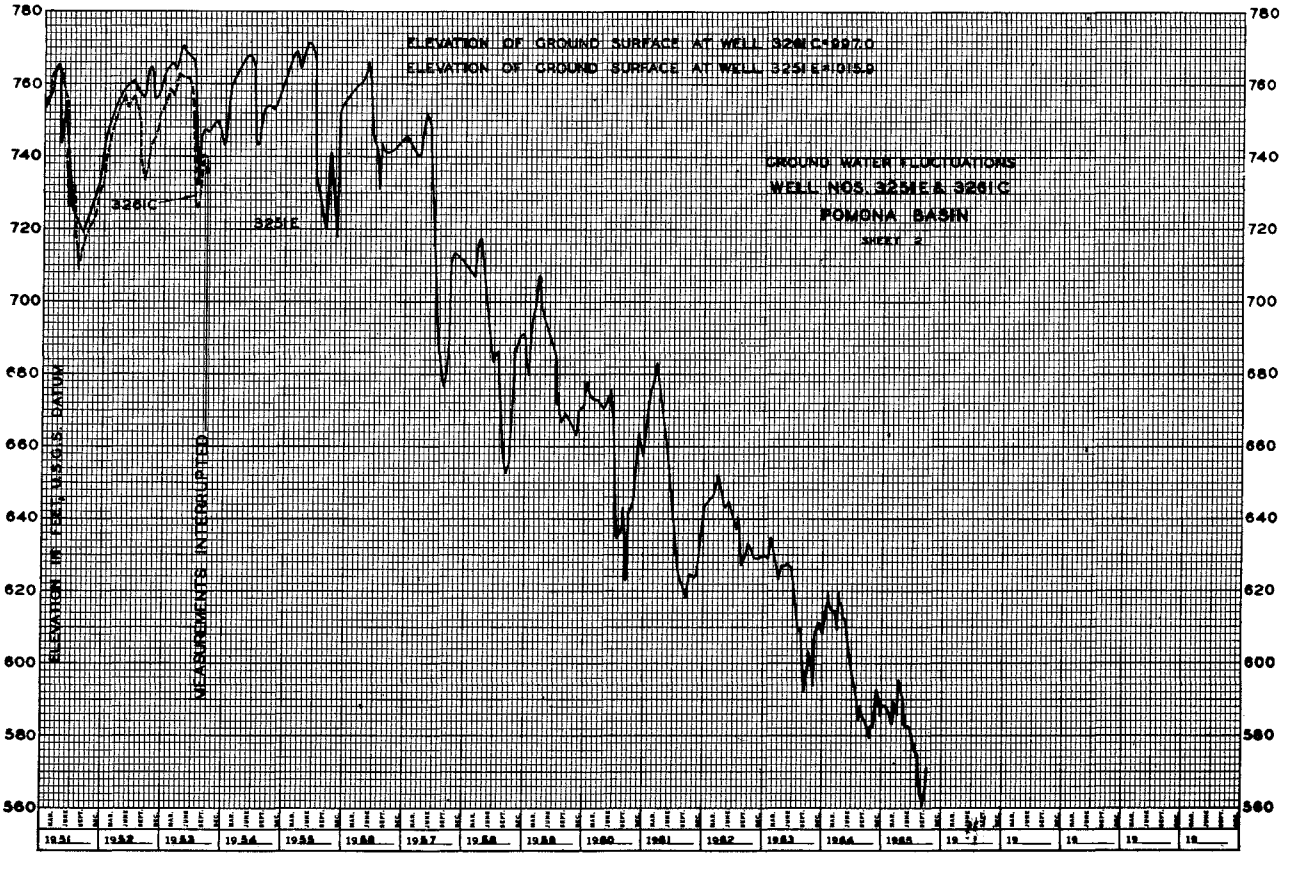

ELEVATION OF GROUND SURFACE AT WELL 4284-A
ELEVATION OF GROUND SURFACE AT WELL 4285-A
ELEVATION IN FEET, U.S.G.S. DATUM
4285-A
4284-A
4285-A
4285-A
WELL NO. 4285-A DRY
DRY
DRY
GROUND WATER FLUCTUATIONS
WELLS 4284-A & 4285-A
NORTH OF AZUSA
SAN GABRIEL CANYON BASIN
SHEET 2

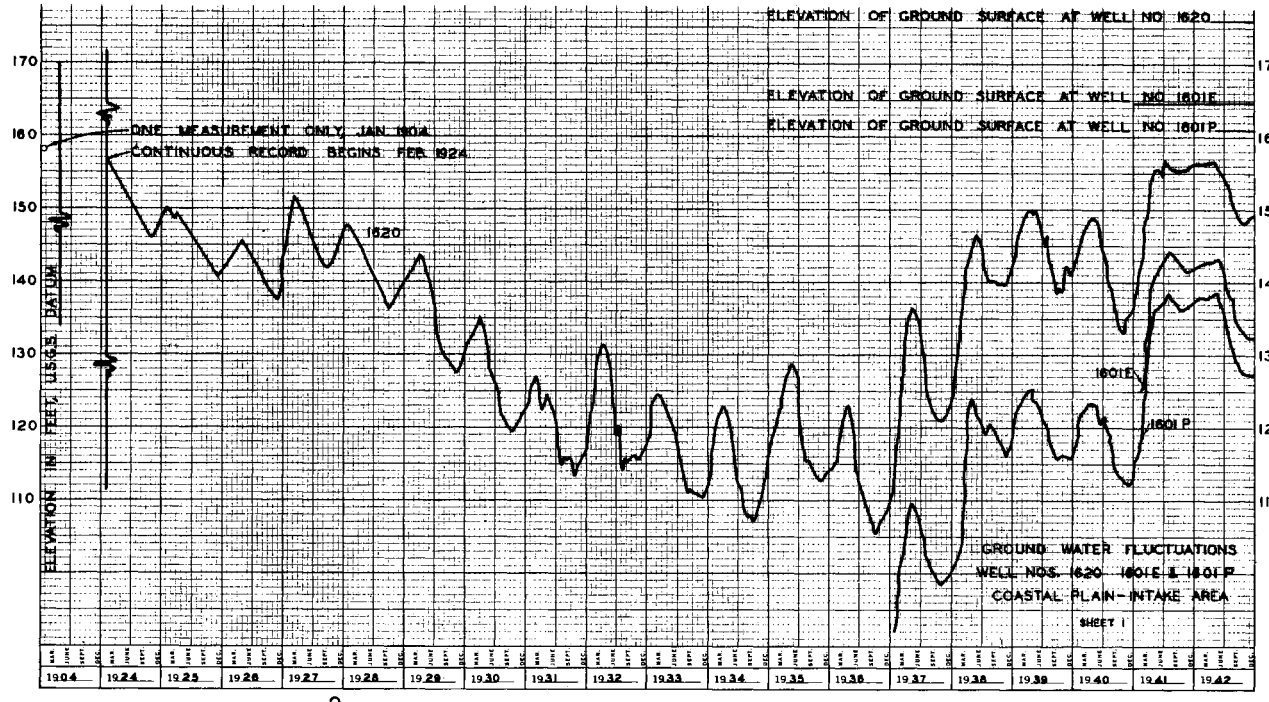

ELEVATION OF GROUND SURFACE AT WELL 4284-A
ELEVATION OF GROUND SURFACE AT WELL 4285-A
ELEVATION IN FEET, U.S.G.S. DATUM
4284-A
4285-A
GROUND WATER FLUCTUATIONS
WELLS 4284-A & 4285-A
NORTH OF AZUSA
SAN GABRIEL CANYON BASIN
SHEET 3

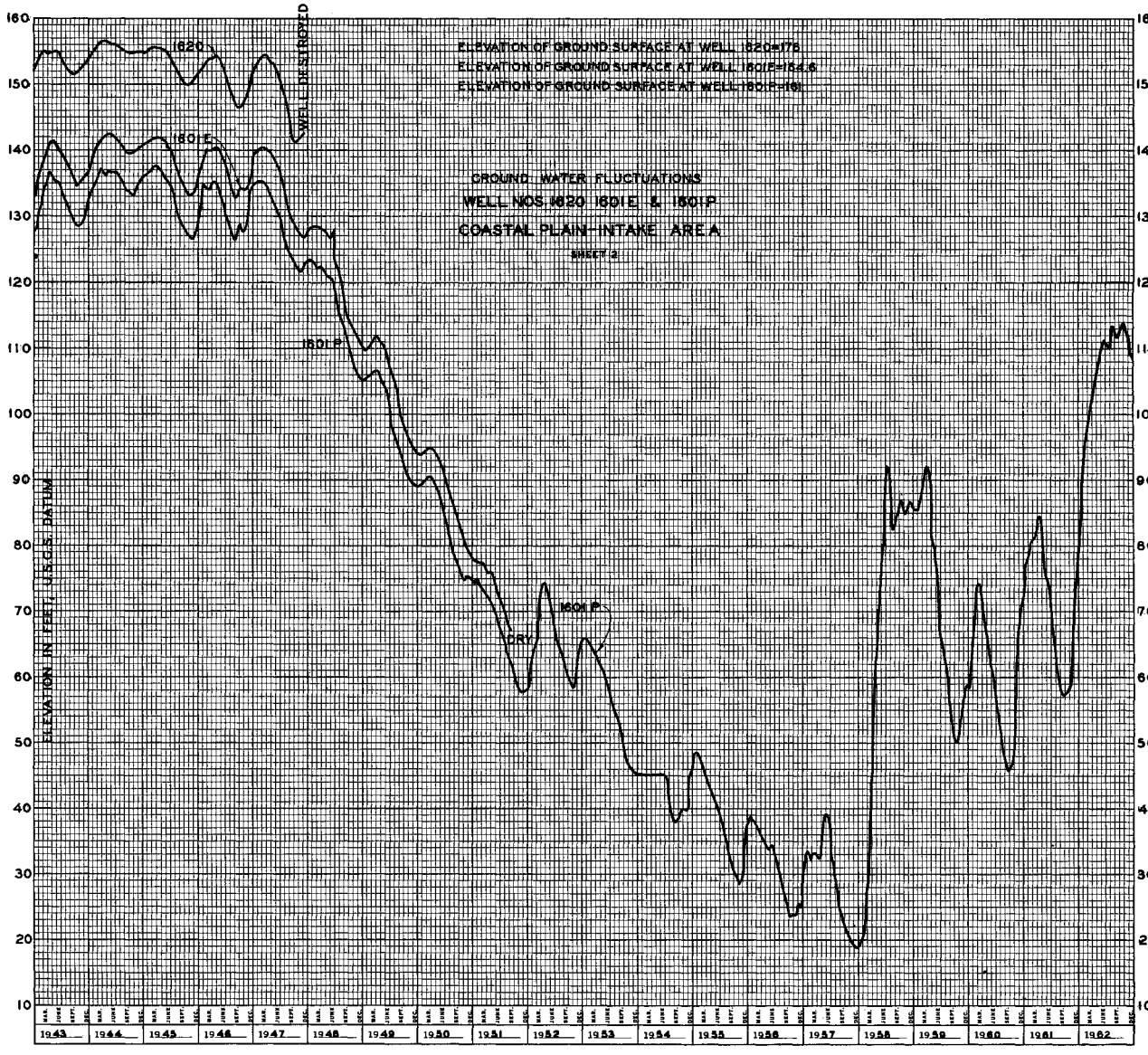

ELEVATION OF GROUND SURFACE AT WELL = 1740.5
GROUND WATER FLUCTUATIONS
WELL NO. 4506-A
UPPER CLAREMONT HEIGHTS
SHEET 1
ELEVATION IN FEET U.S.G.S. DATUM
1660
1640
1620
1600
1580
1560
1540
1520
1500
1480
1460
1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954

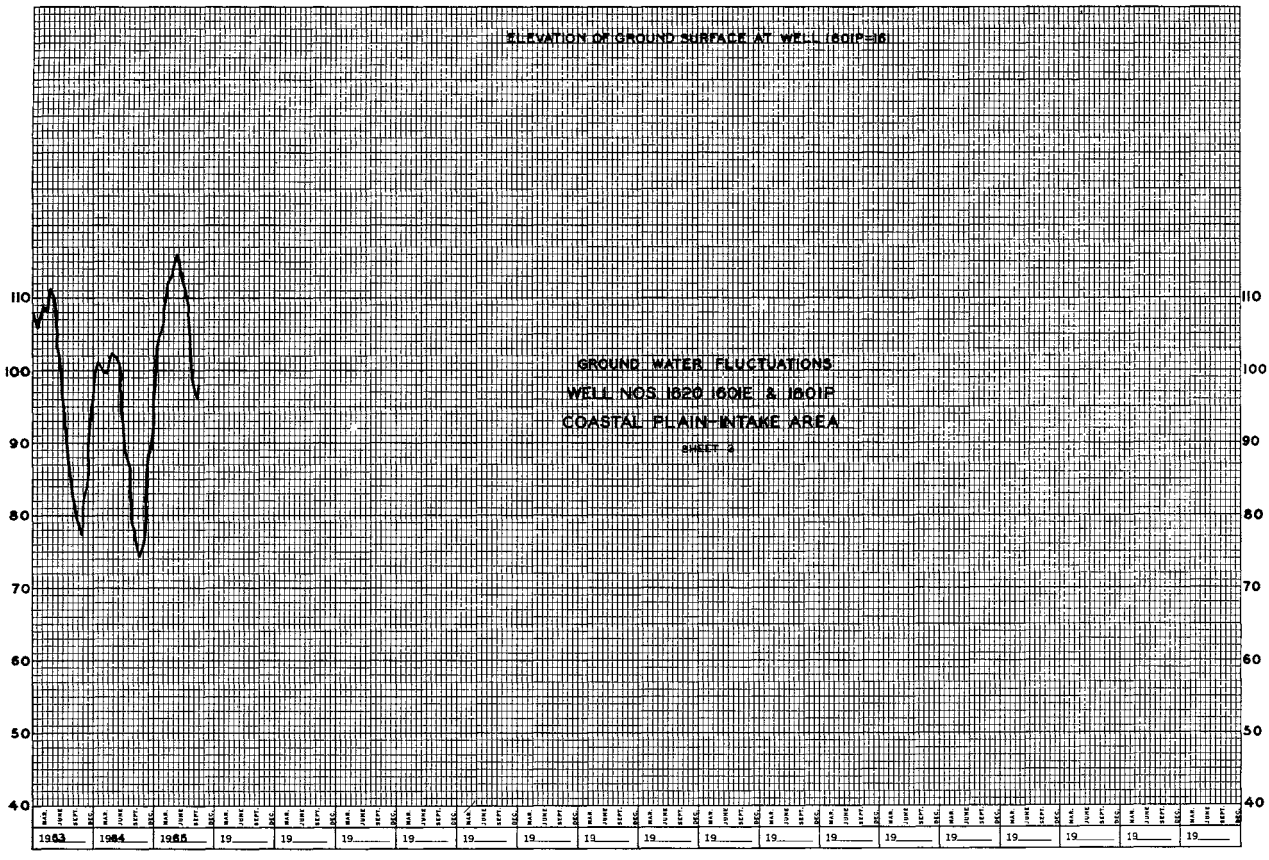

ELEVATION OF GROUND SURFACE AT WELL = 1740.5
GROUND WATER FLUCTUATIONS
WELL NO. 4506-A
UPPER CLAREMONT HEIGHTS
SHEET 2
ELEVATION IN FEET U.S.G.S. DATUM
1660
1640
1620
1600
1580
1560
1540
1520
1500
1480
1460
1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 19 19 19 19 19 19 19 19 19

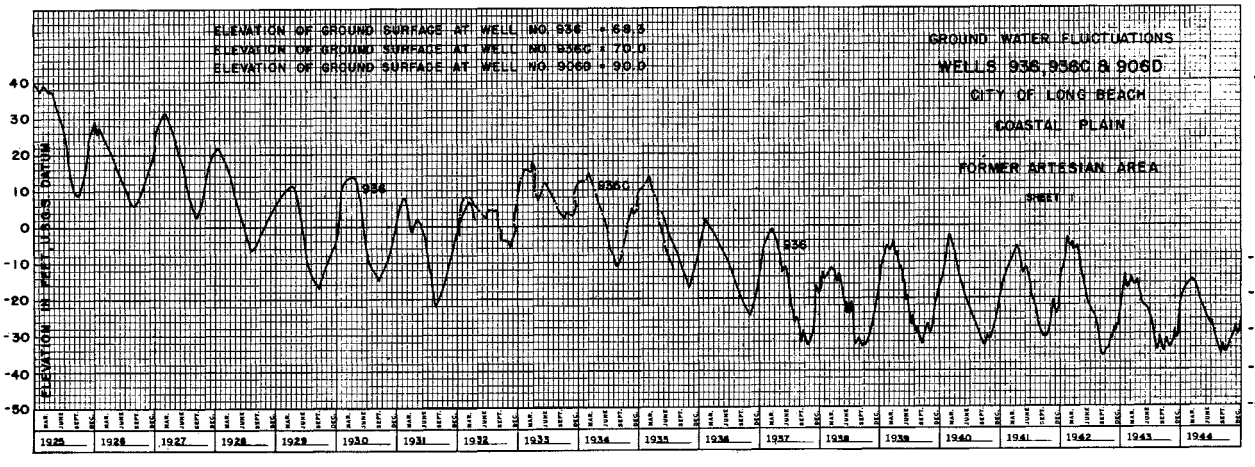

ELEV. 878.9
ELEVATION OF GROUND SURFACE AT WELL 324IF=1029.6
ELEVATION OF GROUND SURFACE AT WELL 326IC=997.0
ELEVATION IN FEET, U.S.G.S. DATUM
326IC
324IF
DRY
GROUND WATER FLUCTUATIONS
WELL NOS. 324IF & 326IC
POMONA BASIN
SHEET 1
860
840
820
800
780
760
740
720
700
680
660
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950

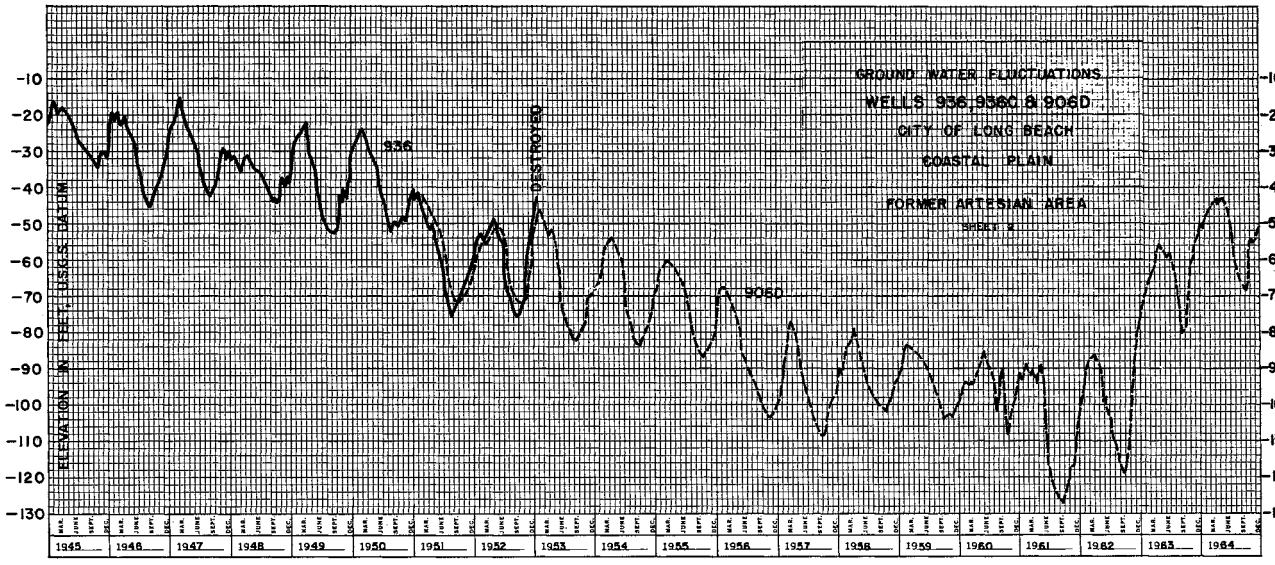

ELEVATION OF GROUND SURFACE AT WELL 326IC=997.0
ELEVATION OF GROUND SURFACE AT WELL 325IE=1015.9
ELEVATION IN FEET, U.S.G.S. DATUM
326IC
325IE
MEASUREMENTS INTERRUPTED
GROUND WATER FLUCTUATIONS
WELL NOS. 325IE & 326IC
POMONA BASIN
SHEET 2
780
760
740
720
700
680
660
640
620
600
580
560
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961
1962
1963
1964
1965

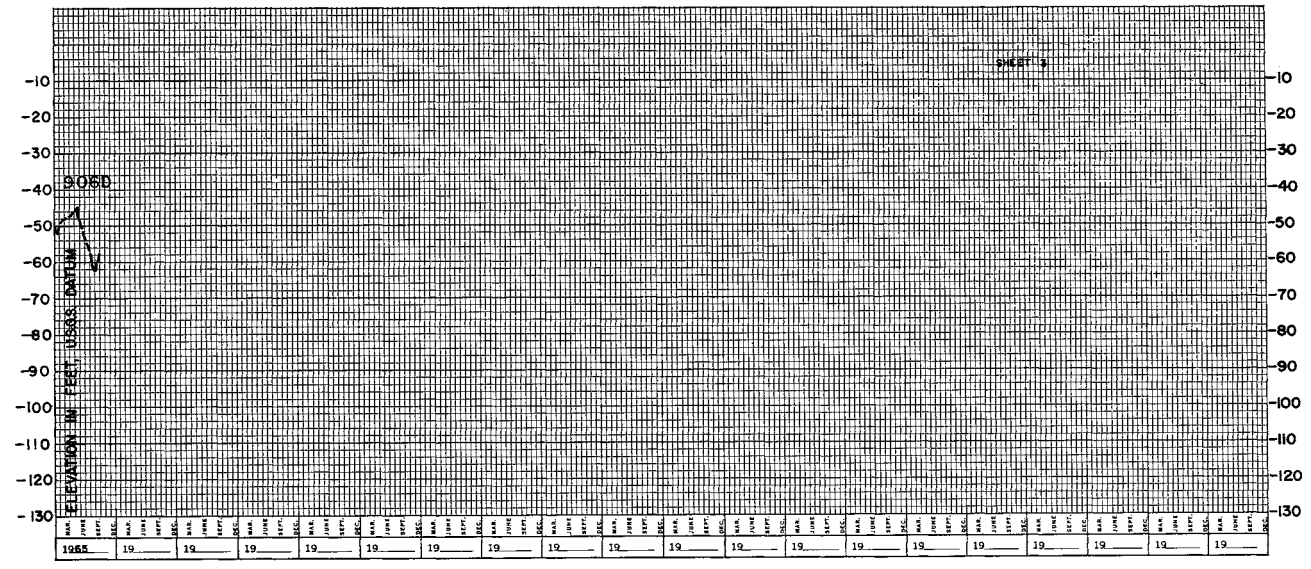

ELEVATION OF GROUND SURFACE AT WELL NO 1620
ELEVATION OF GROUND SURFACE AT WELL NO 1601E
ELEVATION OF GROUND SURFACE AT WELL NO 1601P
ONE MEASUREMENT ONLY JAN 1904
CONTINUOUS RECORD BEGINS FEB 1924
1620
1601E
1601P
ELEVATION IN FEET, U.S.G.S. DATUM
GROUND WATER FLUCTUATIONS
WELL NOS. 1620 1601E & 1601P
COASTAL PLAIN - INTAKE AREA
SHEET 1

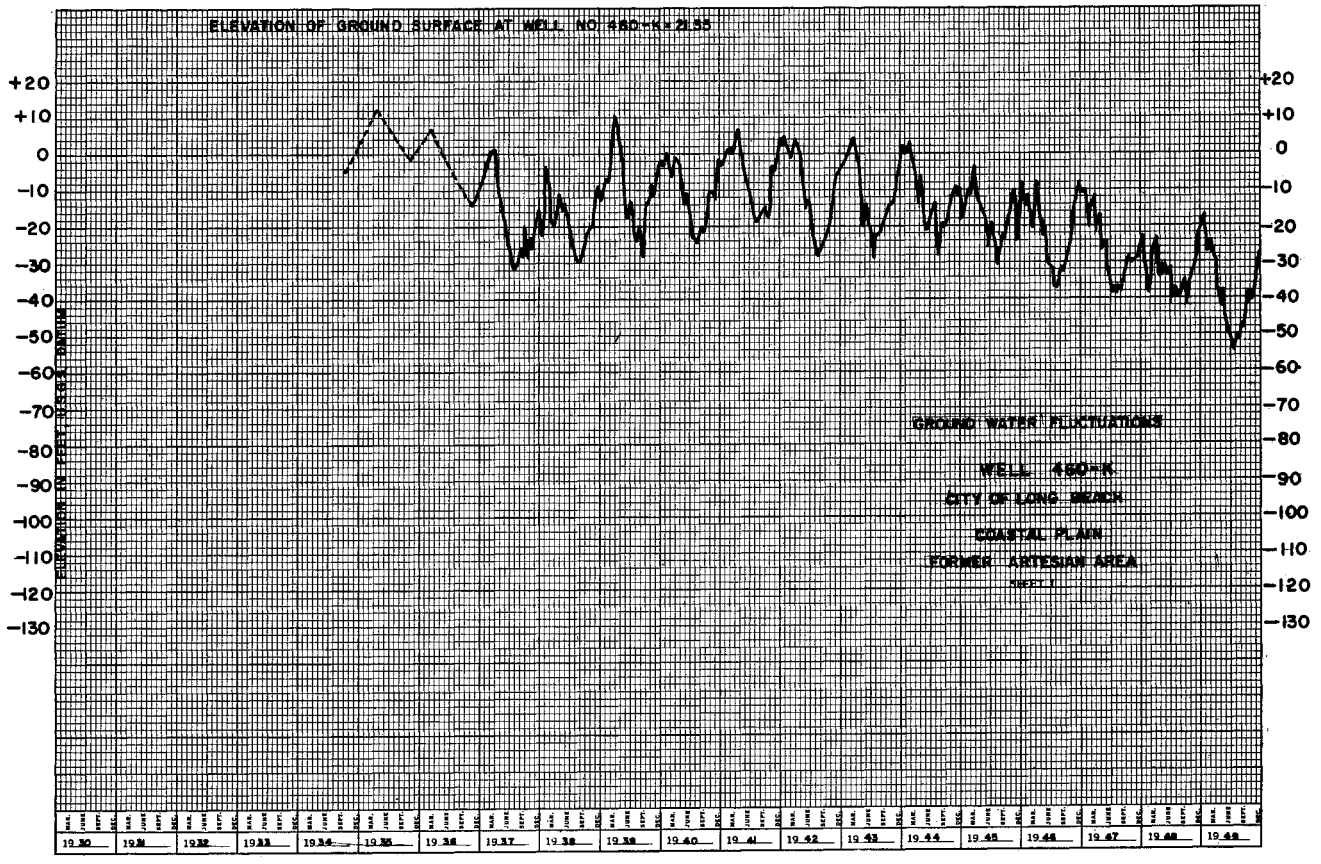

ELEVATION OF GROUND SURFACE AT WELL 1620=178
ELEVATION OF GROUND SURFACE AT WELL 1601E=164.6
ELEVATION OF GROUND SURFACE AT WELL 1601P=161
1620
1601E
WELL DESTROYED
1601P
DRY
GROUND WATER FLUCTUATIONS
WELL NOS. 1620 1601E & 1601P
COASTAL PLAIN - INTAKE AREA
SHEET 2
ELEVATION IN FEET, U.S.G.S. DATUM

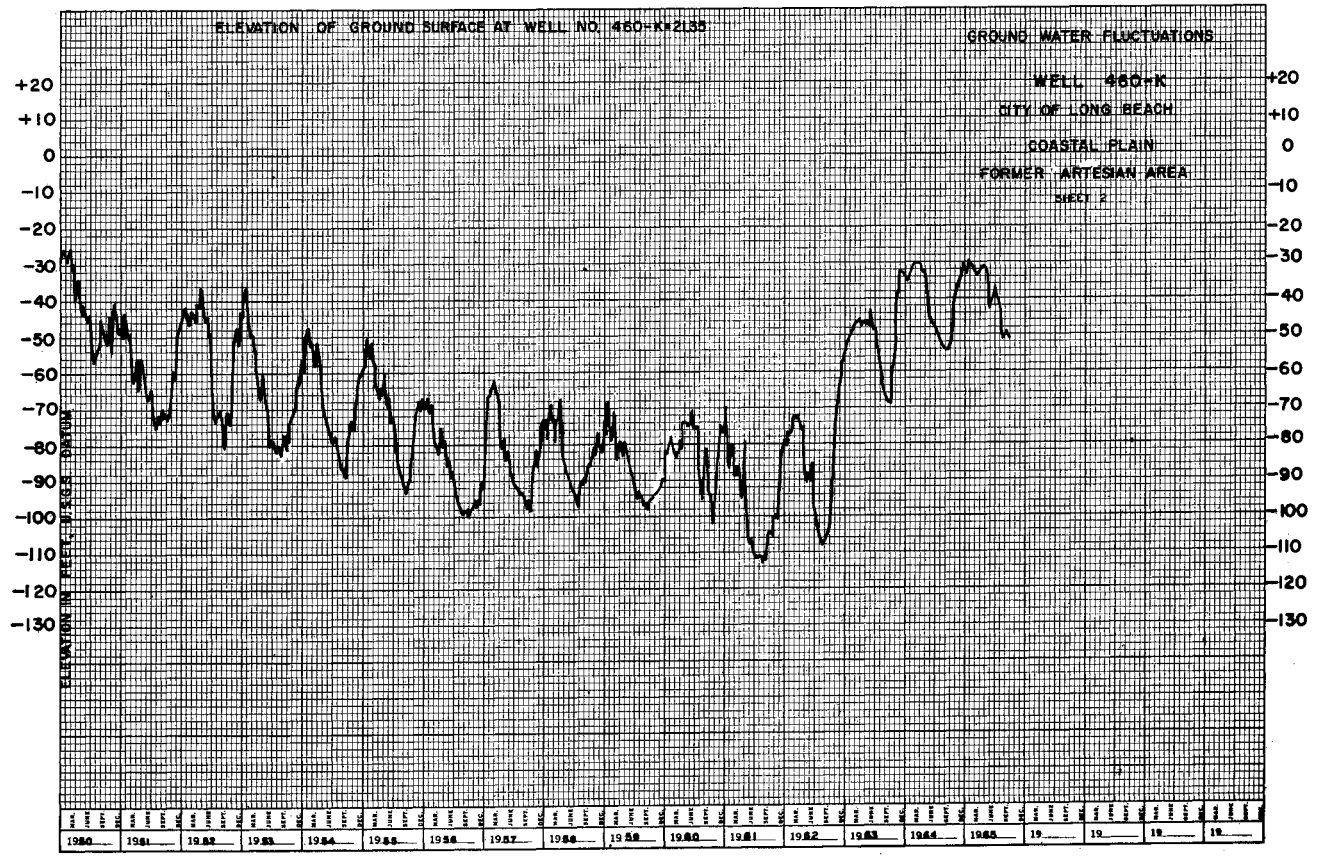

ELEVATION OF GROUND SURFACE AT WELL 1601P=16
GROUND WATER FLUCTUATIONS
WELL NOS. 1620 1601E & 1601F
COASTAL PLAIN INTAKE AREA
SHEET 2
110
100
90
80
70
60
50
40
1963
1964
1965

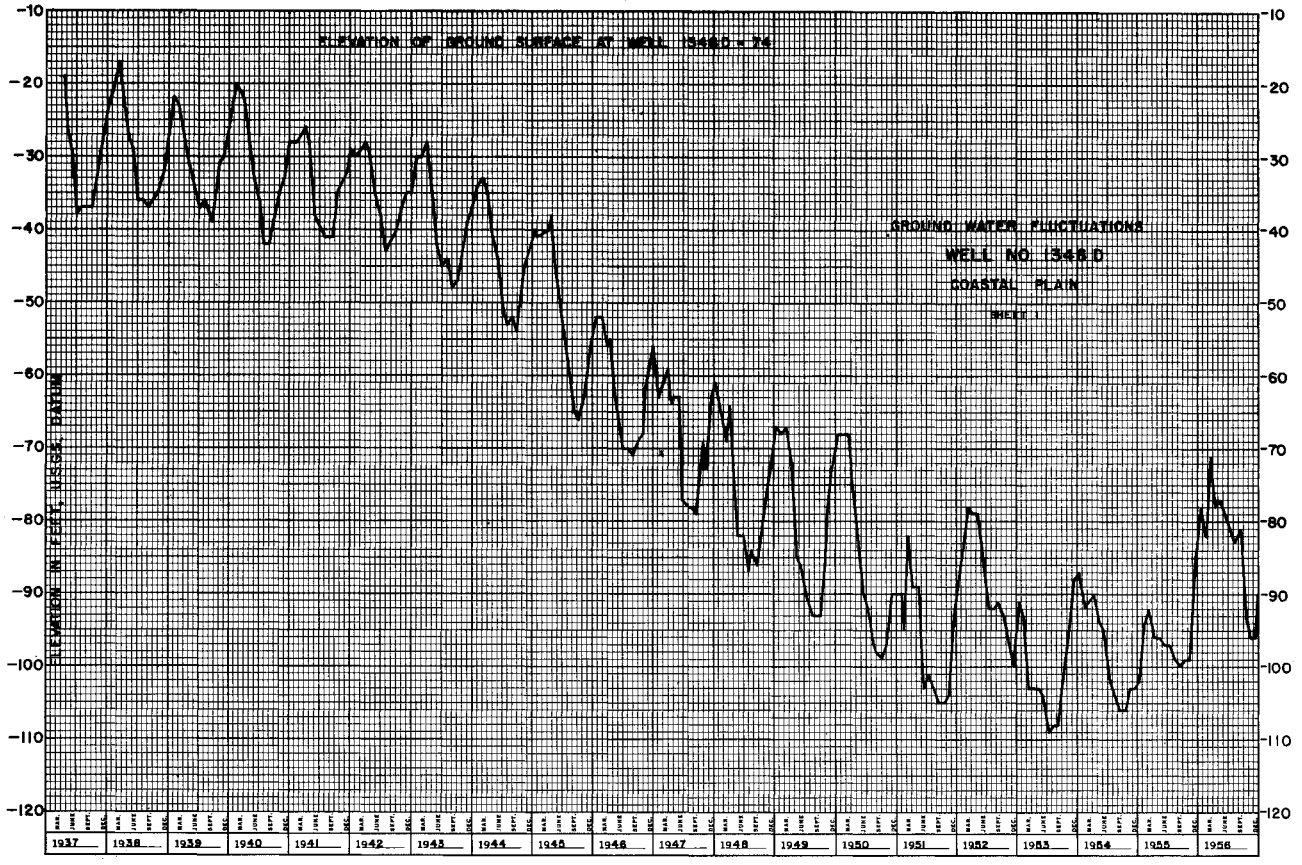

ELEVATION OF GROUND SURFACE AT WELL NO. 936 = 69.5
ELEVATION OF GROUND SURFACE AT WELL NO. 936C = 70.0
ELEVATION OF GROUND SURFACE AT WELL NO. 906D = 90.0
GROUND WATER FLUCTUATIONS
WELLS 936, 936C & 906D
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA
SHEET 1
ELEVATION IN FEET, USGS DATUM
936
936C
906D
40
30
20
10
0
-10
-20
-30
-40
-50
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943
1944

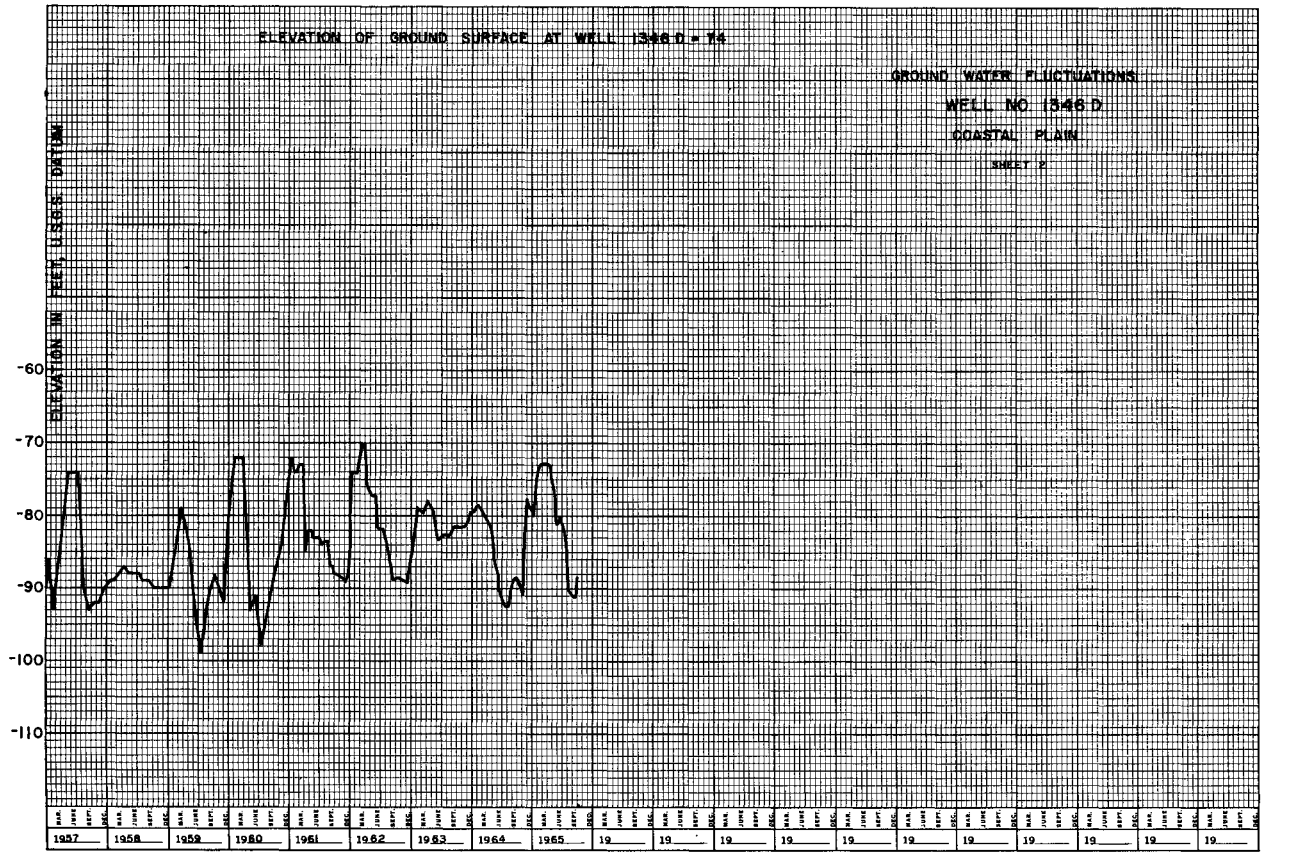

GROUND WATER FLUCTUATIONS
WELLS 936, 936C & 906D
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA
SHEET 2
ELEVATION IN FEET USGS DATUM
936
DESTROYED
906D
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
-130
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961
1962
1963
1964

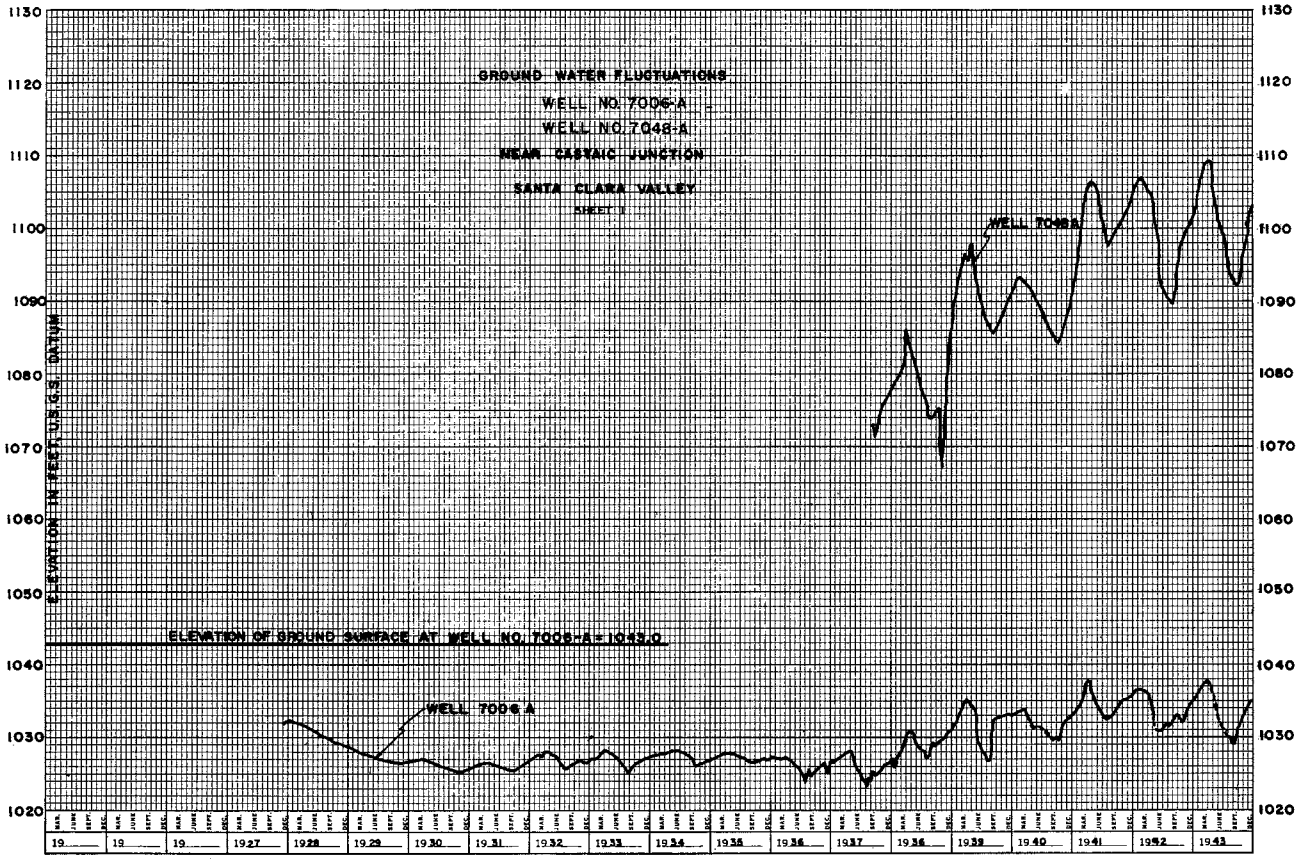

SHEET 3
ELEVATION IN FEET USGS DATUM
906D
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
-130
1965
19

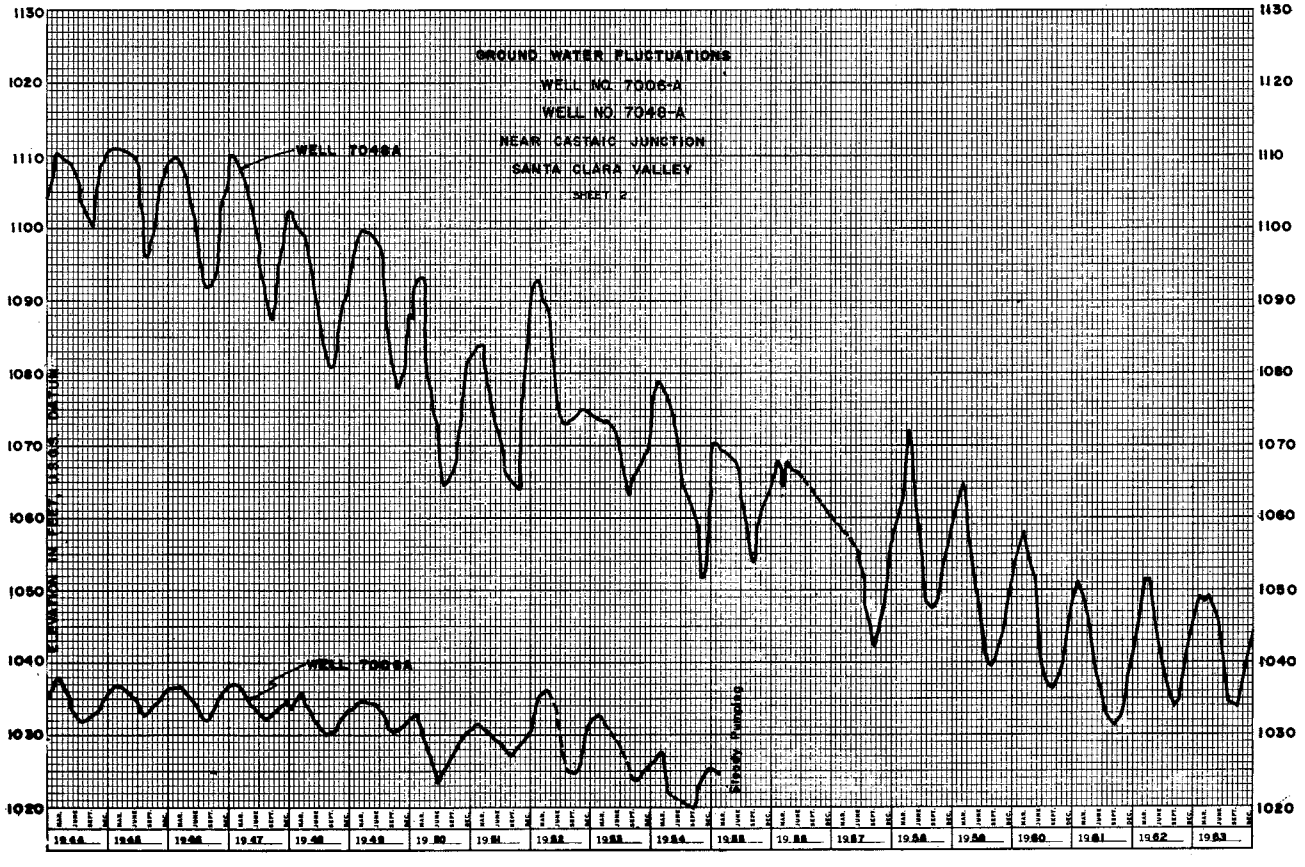

ELEVATION OF GROUND SURFACE AT WELL NO. 460-K×2135
+20
+10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
-130
ELEVATION IN FEET ABOVE DATUM
GROUND WATER FLUCTUATIONS
WELL 460-K
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA
SHEET 1
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
1949

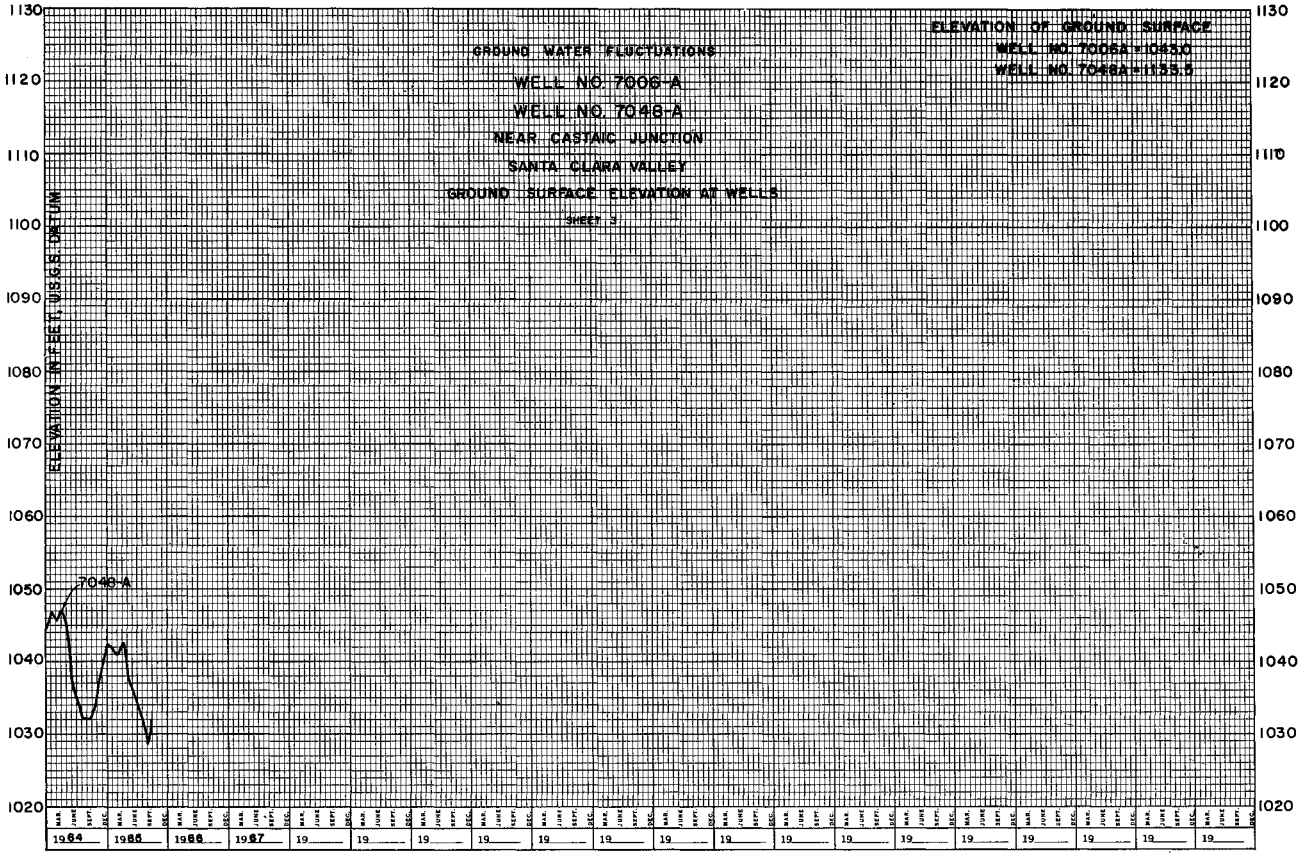

ELEVATION OF GROUND SURFACE AT WELL NO. 460-K×2135
GROUND WATER FLUCTUATIONS
WELL 460-K
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA
SHEET 2
+20
+10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
-130
ELEVATION IN FEET ABOVE DATUM
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961
1962
1963
1964
1965
19
19
19
19

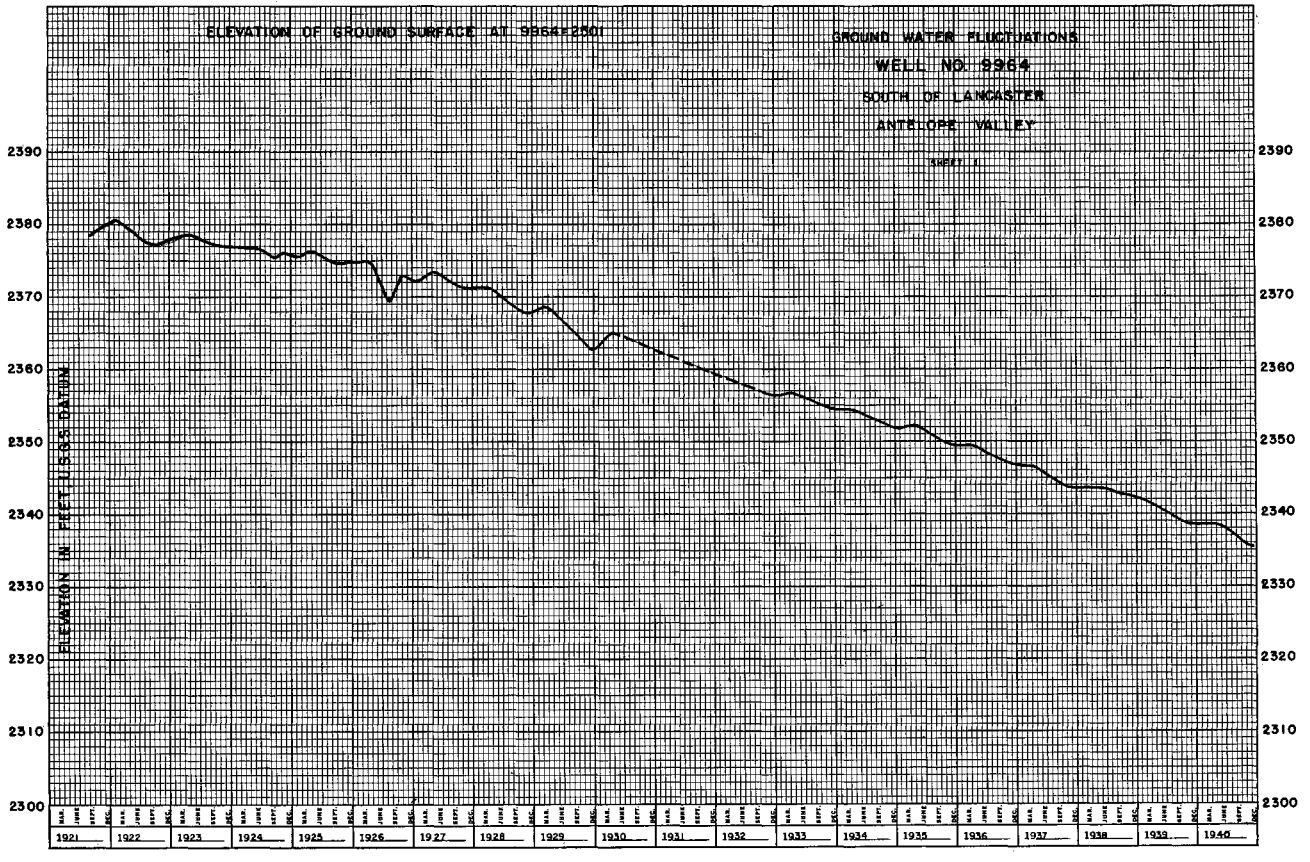

ELEVATION OF GROUND SURFACE AT WELL 1346 D = 74
GROUND WATER FLUCTUATIONS
WELL NO. 1346 D
COASTAL PLAIN
SHEET 1
ELEVATION IN FEET, U.S.G.S. DATUM
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
MAR.
JUNE
SEPT.
DEC.
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956

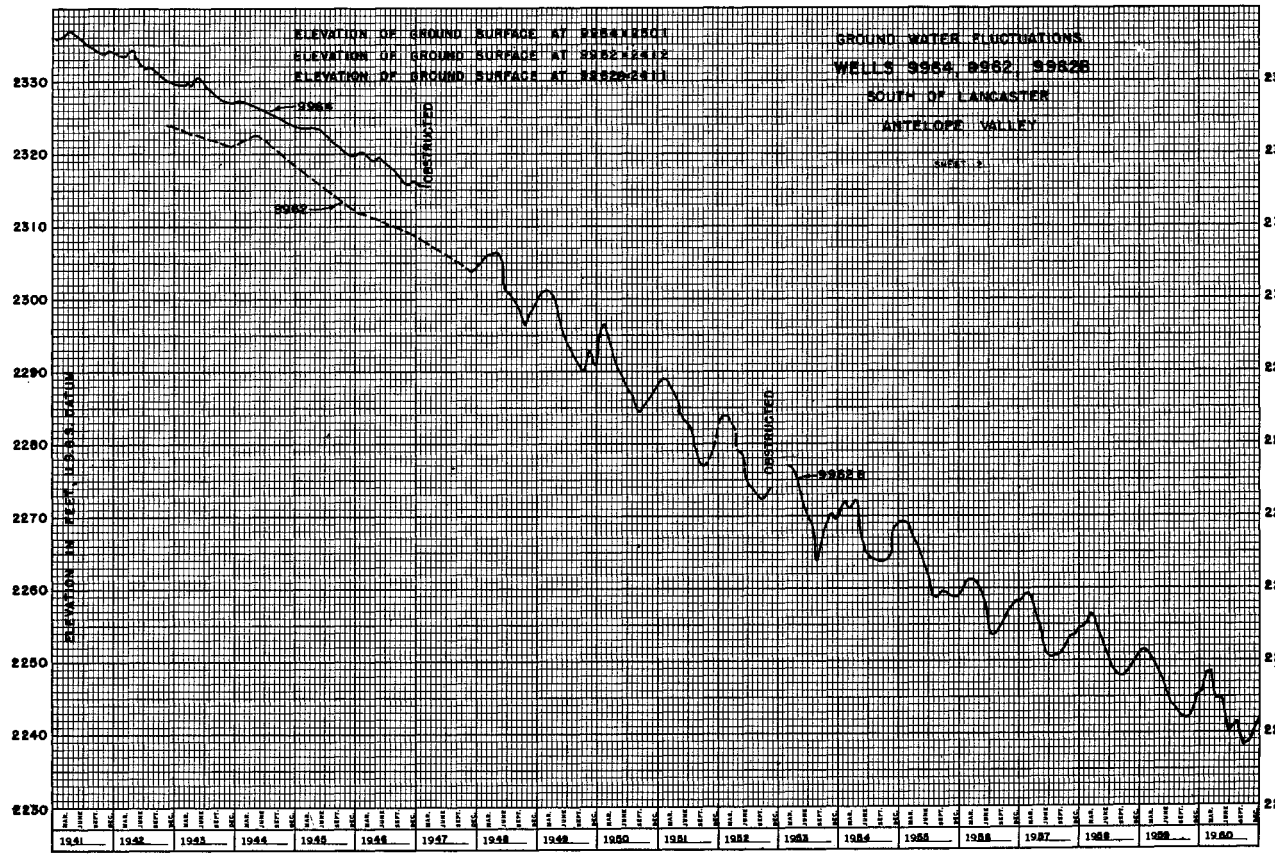

ELEVATION OF GROUND SURFACE AT WELL 1346 D = 74
GROUND WATER FLUCTUATIONS
WELL NO. 1346 D
COASTAL PLAIN
SHEET 2
ELEVATION IN FEET, U.S.G.S. DATUM
-60
-70
-80
-90
-100
-110
MAR.
JUNE
SEPT.
DEC.
1957
1958
1959
1960
1961
1962
1963
1964
1965
19
19
19
19
19
19
19
19
19
19

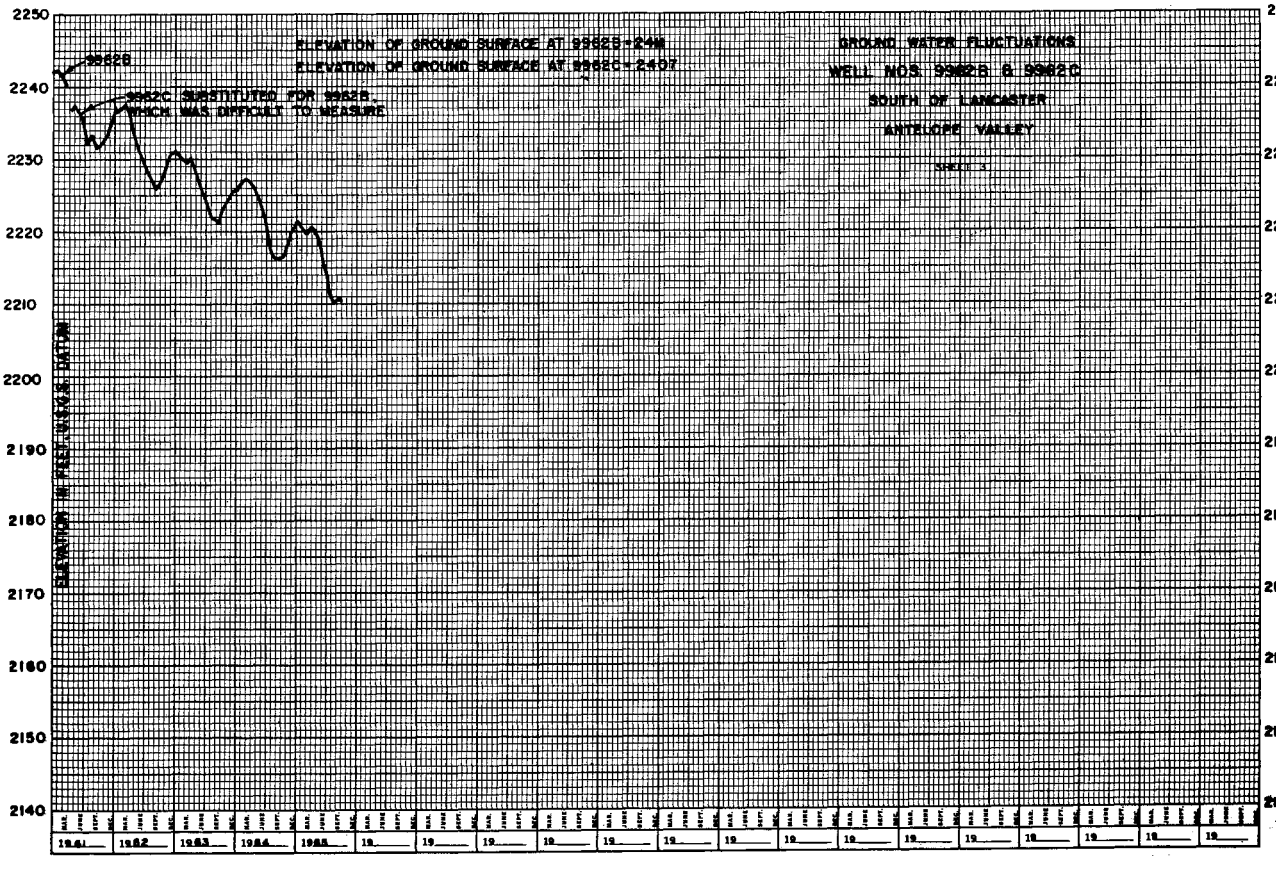

GROUND WATER FLUCTUATIONS
WELL NO. 7006-A
WELL NO. 7048-A
NEAR CASTAIC JUNCTION
SANTA CLARA VALLEY
SHEET 1
WELL 7048A
WELL 7006 A
ELEVATION OF GROUND SURFACE AT WELL NO. 7006-A = 1043.0
ELEVATION IN FEET, U.S.G.S. DATUM

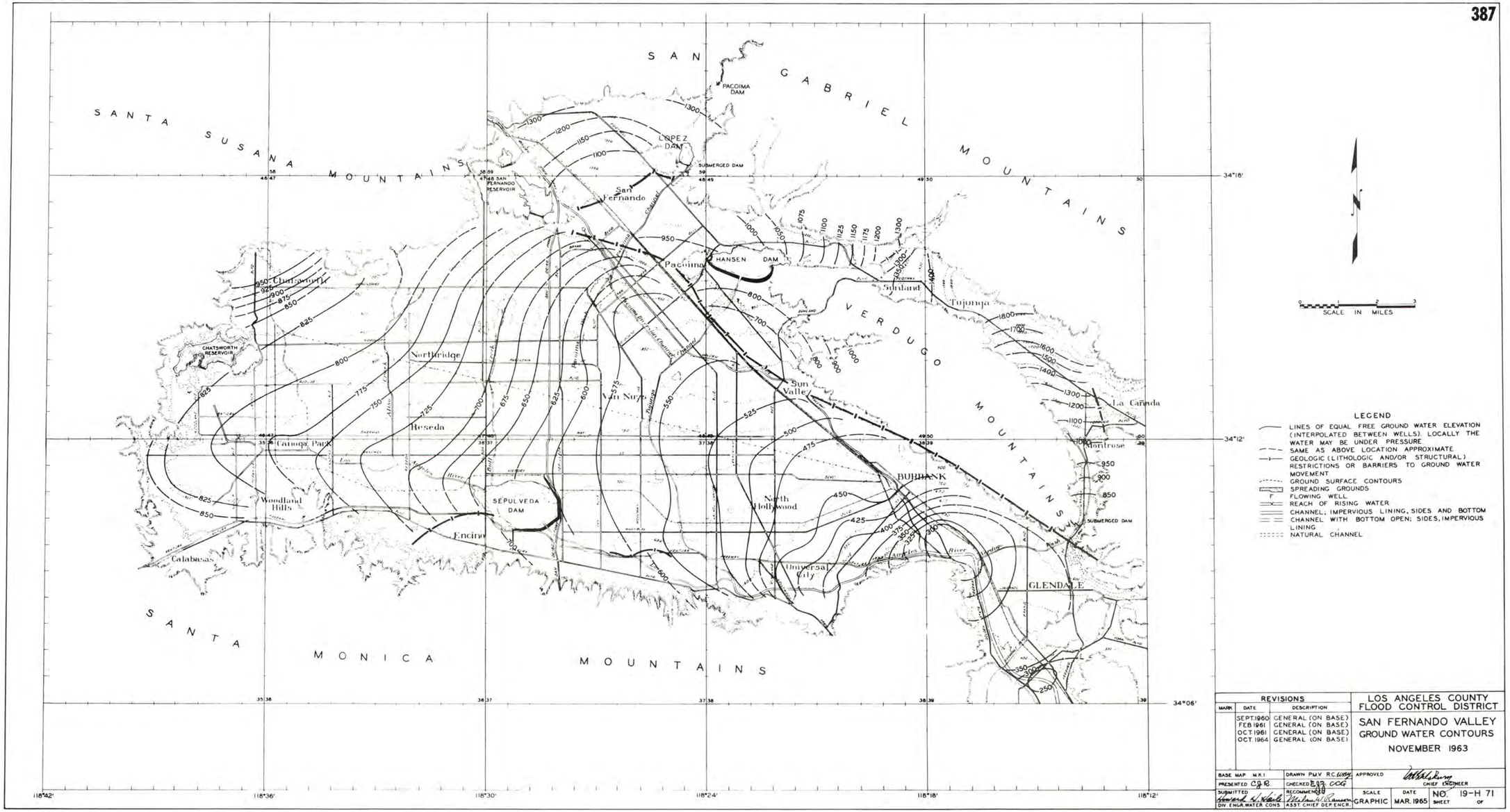

GROUND WATER FLUCTUATIONS
WELL NO. 7006-A
WELL NO. 7048-A
NEAR CASTAIC JUNCTION
SANTA CLARA VALLEY
SHEET 2
WELL 7048A
WELL 7006A
Steady Pumping
ELEVATION IN FEET, U.S.G.S. DATUM


GROUND WATER FLUCTUATIONS
WELL NO. 7006-A
WELL NO. 7048-A
NEAR CASTAIC JUNCTION
SANTA CLARA VALLEY
GROUND SURFACE ELEVATION AT WELLS
SHEET 3
ELEVATION OF GROUND SURFACE
WELL NO. 7006A = 1045.0
WELL NO. 7048A = 1135.5
ELEVATION IN FEET, U.S.G.S. DATUM
7048-A
1130
1120
1110
1100
1090
1080
1070
1060
1050
1040
1030
1020
1984
1985
1986
1987

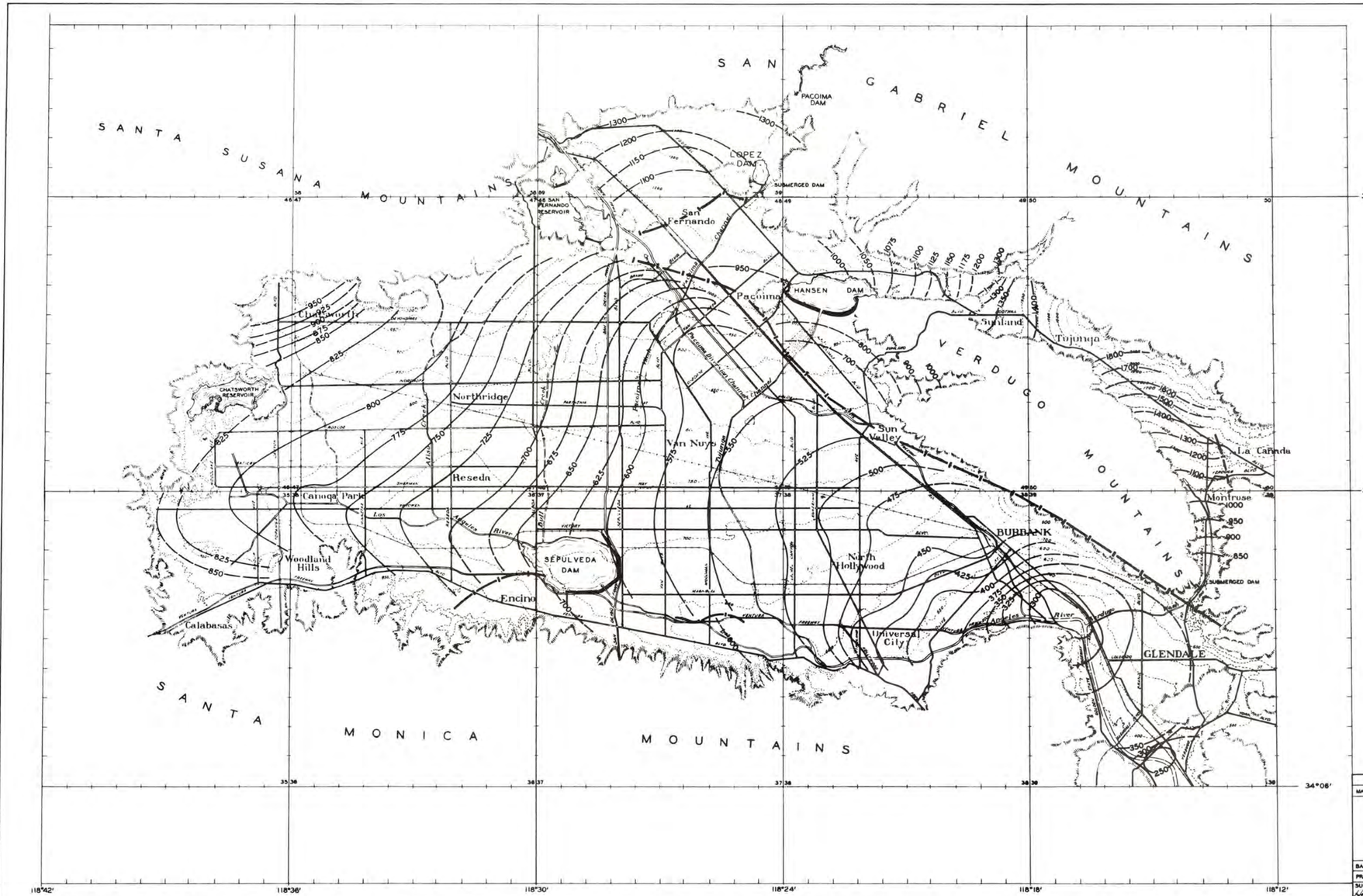

ELEVATION OF GROUND SURFACE AT 9964 = 2501
GROUND WATER FLUCTUATIONS
WELL NO. 9964
SOUTH OF LANCASTER
ANTELOPE VALLEY
SHEET 1
ELEVATION IN FEET, U.S.G.S. DATUM
2390
2380
2370
2360
2350
2340
2330
2320
2310
2300
1921
1922
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940


ELEVATION OF GROUND SURFACE AT 9956=2501
ELEVATION OF GROUND SURFACE AT 9962=2412
ELEVATION OF GROUND SURFACE AT 9952=2411
GROUND WATER FLUCTUATIONS
WELLS 9956, 9962, 9952B
SOUTH OF LANCASTER
ANTELOPE VALLEY
SHEET 3
9956
9962
DESTROYED
DESTROYED
9952B
ELEVATION IN FEET, U.S.G.S. DATUM
2330
2320
2310
2300
2290
2280
2270
2260
2250
2240
2230
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960


ELEVATION OF GROUND SURFACE AT 9952B=2414
ELEVATION OF GROUND SURFACE AT 9962C=2407
GROUND WATER FLUCTUATIONS
WELL NOS. 9952B & 9962C
SOUTH OF LANCASTER
ANTELOPE VALLEY
SHEET 3
9952B
9962C SUBSTITUTED FOR 9952B,
WHICH WAS DIFFICULT TO MEASURE
ELEVATION IN FEET, U.S.G.S. DATUM
2250
2240
2230
2220
2210
2200
2190
2180
2170
2160
2150
2140
1961
1962
1963
1964
1965


SAN GABRIEL MOUNTAINS
SANTA SUSANA MOUNTAINS
SANTA MONICA MOUNTAINS
VERDUGO MOUNTAINS
PACOIMA DAM
LOPEZ DAM
SUBMERGED DAM
SAN FERNANDO RESERVOIR
San Fernando
HANSEN DAM
Pacoima
Sunland
Tujunga
CHATSWORTH RESERVOIR
Chatsworth
Northridge
Reseda
Van Nuys
Sun Valley
La Cañada
Montrose
Canoga Park
Woodland Hills
SEPULVEDA DAM
Encino
Calabasas
North Hollywood
BURBANK
Universal City
GLENDALE
SCALE IN MILES
LEGEND
LINES OF EQUAL FREE GROUND WATER ELEVATION (INTERPOLATED BETWEEN WELLS). LOCALLY THE WATER MAY BE UNDER PRESSURE
SAME AS ABOVE LOCATION APPROXIMATE
GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
GROUND SURFACE CONTOURS
SPREADING GROUNDS
FLOWING WELL
REACH OF RISING WATER
CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
NATURAL CHANNEL
34°18'
34°12'
34°06'
118°42'
118°36'
118°30'
118°24'
118°18'
118°12'
REVISIONS
MARK DATE DESCRIPTION
SEPT. 1960 GENERAL (ON BASE)
FEB 1961 GENERAL (ON BASE)
OCT. 1961 GENERAL (ON BASE)
OCT. 1964 GENERAL (ON BASE)
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SAN FERNANDO VALLEY GROUND WATER CONTOURS
NOVEMBER 1963
BASE MAP M.K.I.
DRAWN P.M.V. R.C. WISH
APPROVED
PRESENTED C.J.R.
CHECKED E.J.Z. CCG
CHIEF ENGINEER
SUBMITTED
RECOMMENDED
DIV. ENGR. WATER CONS.
ASST. CHIEF DEP. ENGR.
SCALE GRAPHIC
DATE MAR. 1965
NO. 19-H 71
SHEET OF

MAP VI 19-H 71



LEGEND

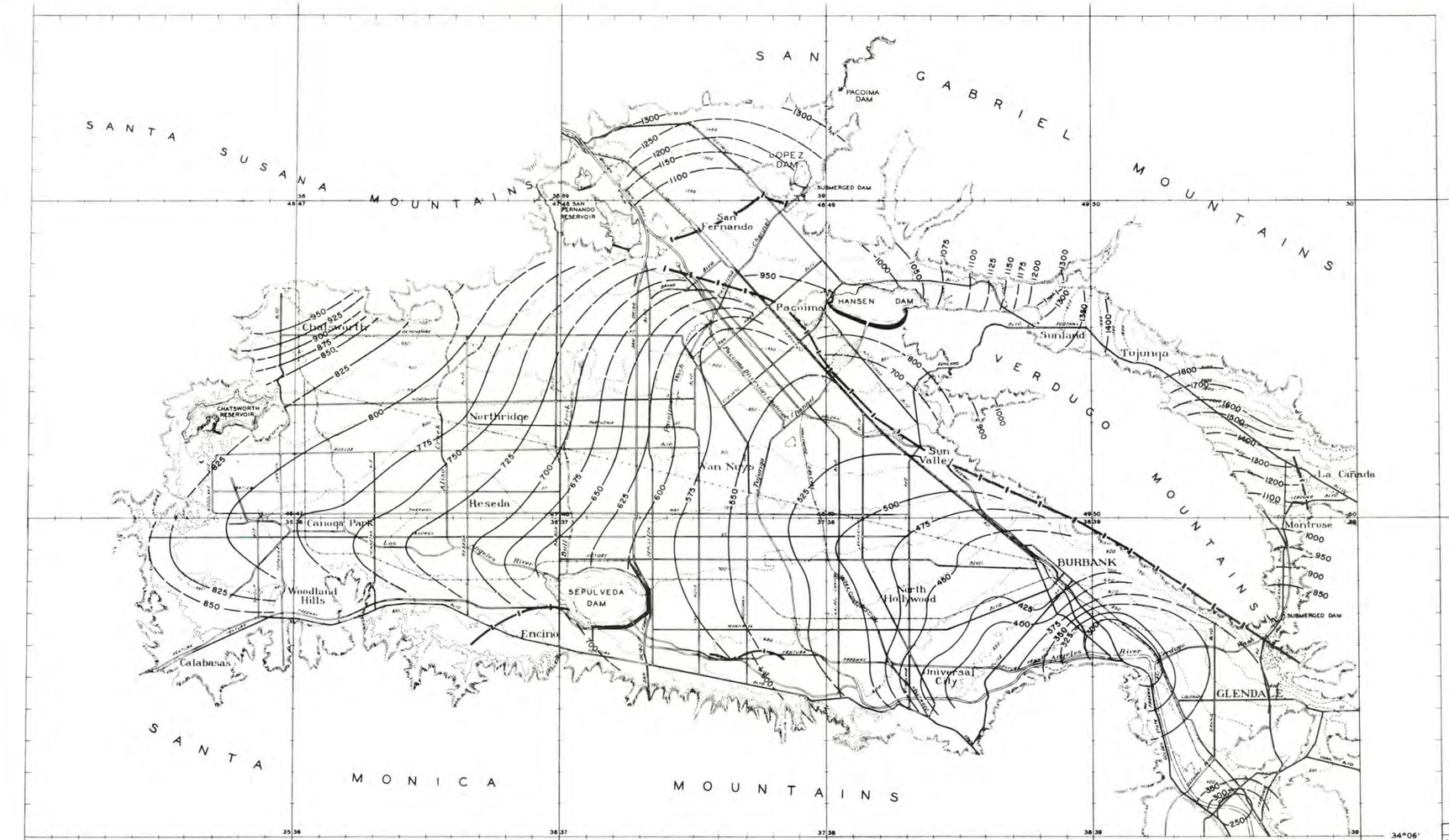
- LINES OF EQUAL FREE GROUND WATER ELEVATION (INTERPOLATED BETWEEN WELLS). LOCALLY THE WATER MAY BE UNDER PRESSURE.
- SAME AS ABOVE LOCATION APPROXIMATE
- GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT.
- GROUND SURFACE CONTOURS
- SPREADING GROUNDS
- F FLOWING WELL
- REACH OF RISING WATER
- CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
- CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
- NATURAL CHANNEL

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	SAN FERNANDO VALLEY GROUND WATER CONTOURS
	SEPT. 1960	GENERAL (ON BASE)	APRIL 1964
	FEB. 1961	GENERAL (ON BASE)	
	OCT. 1961	GENERAL (ON BASE)	
	OCT. 1964	GENERAL (ON BASE)	

BASE MAP M.K.I.	DRAWN P.M.V. R.C.	APPROVED Walter J. Wood CHIEF ENGINEER	
PRESENTED C.J.R.	CHECKED E.J.R. CCG		
SUBMITTED Howard H. Hale DIV. ENGR. WATER CONS.	RECOMMENDED Milan D. Hanson ASST. CHIEF DEP. ENGR.	SCALE GRAPHIC	DATE MAR. 1965	NO. 19-H 72 SHEET 1 OF 1

MAP VII

19 H 73



SCALE IN MILES

LEGEND

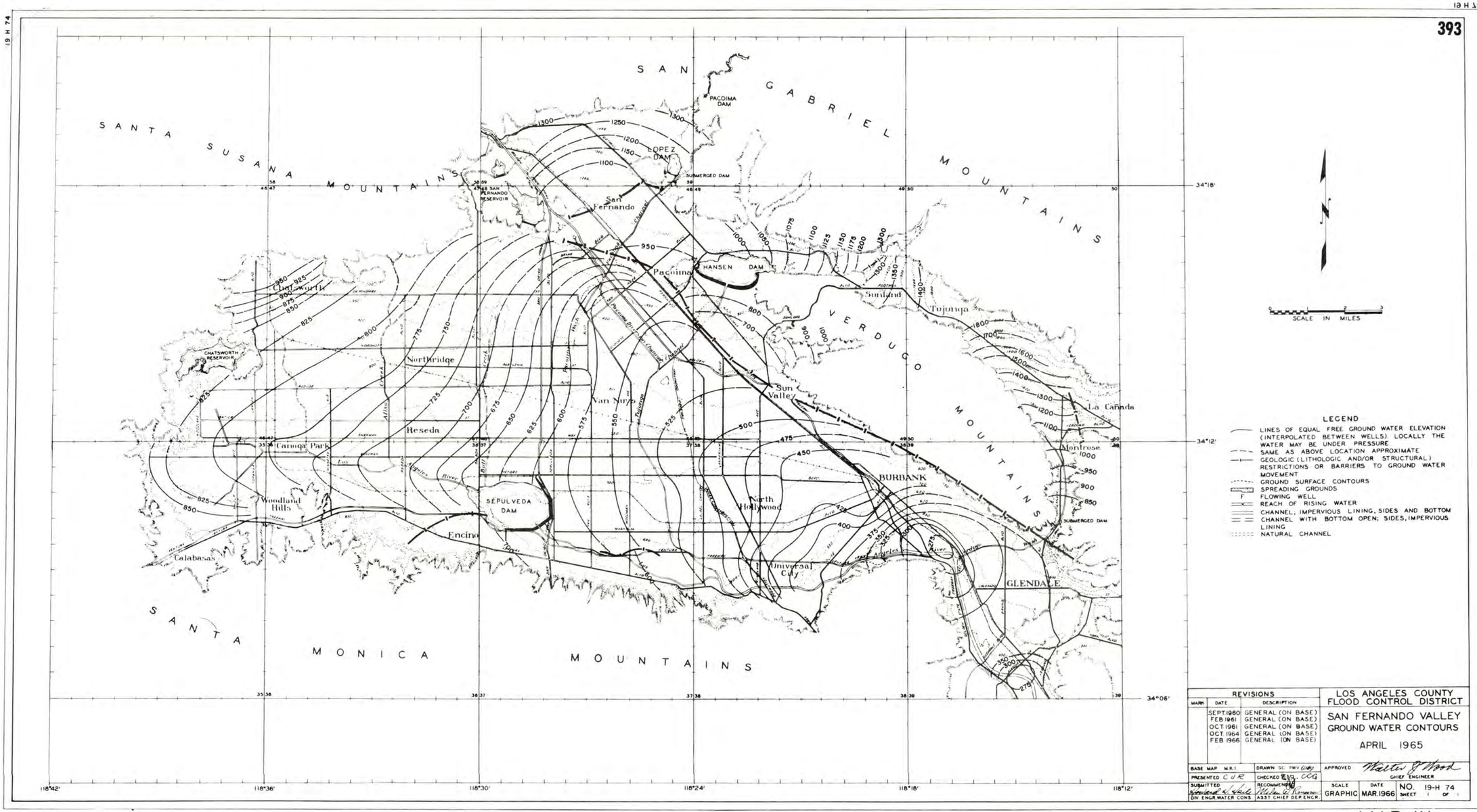
- LINES OF EQUAL FREE GROUND WATER ELEVATION (INTERPOLATED BETWEEN WELLS). LOCALLY THE WATER MAY BE UNDER PRESSURE
- SAME AS ABOVE LOCATION APPROXIMATE
- GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
- GROUND SURFACE CONTOURS
- SPREADING GROUNDS
- F FLOWING WELL
- REACH OF RISING WATER
- CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
- CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
- NATURAL CHANNEL

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	
	SEPT. 1960	GENERAL (ON BASE)	SAN FERNANDO VALLEY GROUND WATER CONTOURS
	FEB. 1961	GENERAL (ON BASE)	
	OCT. 1961	GENERAL (ON BASE)	NOVEMBER 1964
	OCT. 1964	GENERAL (ON BASE)	
	FEB. 1966	GENERAL (ON BASE)	

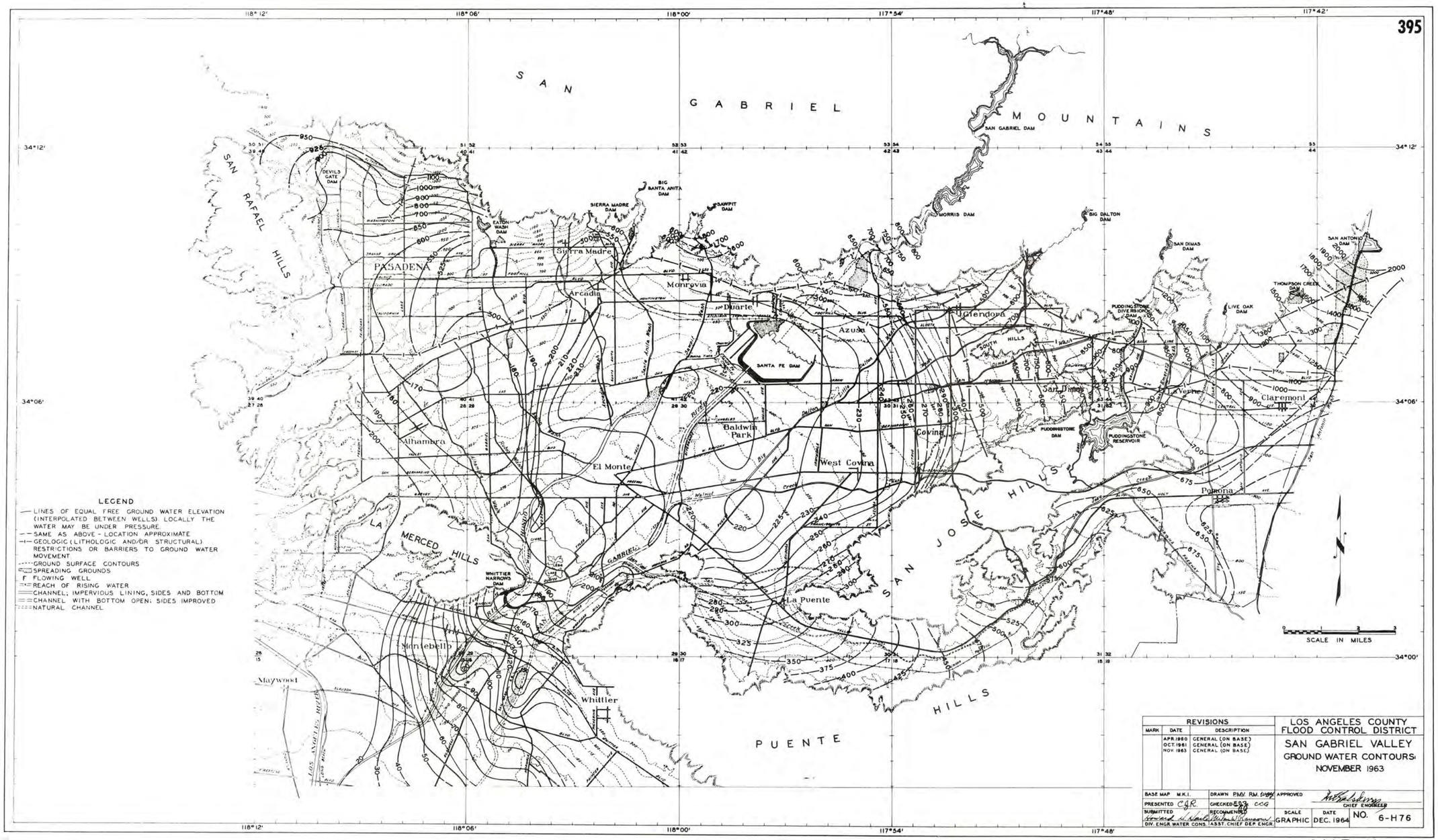
BASE MAP M.K.I.	DRAWN DRH PMV GWG	APPROVED Walter E. Wood CHIEF ENGINEER	
PRESENTED CJR	CHECKED CJR LCG		
SUBMITTED DIV. ENGR. WATER CONS	RECOMMENDED ASST. CHIEF DEP. ENGR.	SCALE GRAPHIC	DATE MAR. 1966

NO. 19-H 73 SHEET 1 OF 1

MAP VIII

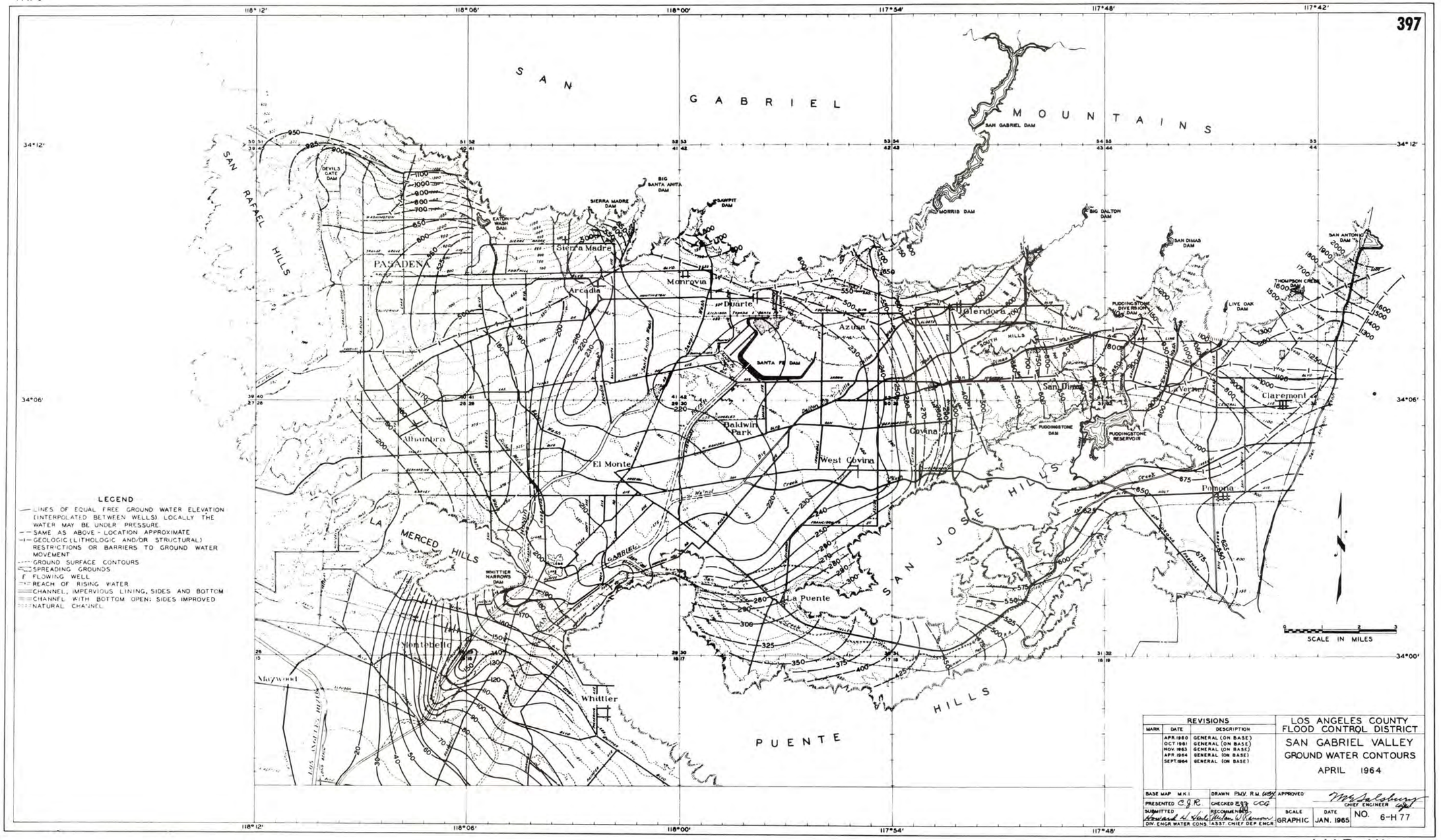

393
SAN GABRIEL MOUNTAINS
SANTA SUSANA MOUNTAINS
SANTA MONICA MOUNTAINS
VERDUGO MOUNTAINS
PACOIMA DAM
LOPEZ DAM
SUBMERGED DAM
SAN FERNANDO RESERVOIR
CHATSWORTH RESERVOIR
HANSEN DAM
SEPULVEDA DAM
San Fernando
Pacoima
Sunland
Tujunga
Chatsworth
Northridge
Van Nuys
Sun Valley
La Cañada
Montrose
Reseda
Canoga Park
Woodland Hills
Encino
Calabasas
North Hollywood
BURBANK
Universal City
GLENDALE
SCALE IN MILES
LEGEND
LINES OF EQUAL FREE GROUND WATER ELEVATION (INTERPOLATED BETWEEN WELLS). LOCALLY THE WATER MAY BE UNDER PRESSURE
SAME AS ABOVE LOCATION APPROXIMATE
GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
GROUND SURFACE CONTOURS
SPREADING GROUNDS
FLOWING WELL
REACH OF RISING WATER
CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
NATURAL CHANNEL
REVISIONS
MARK DATE DESCRIPTION
SEPT.1960 GENERAL (ON BASE)
FEB.1961 GENERAL (ON BASE)
OCT.1961 GENERAL (ON BASE)
OCT.1964 GENERAL (ON BASE)
FEB.1966 GENERAL (ON BASE)
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SAN FERNANDO VALLEY GROUND WATER CONTOURS
APRIL 1965
BASE MAP M.K.I.
DRAWN G.C. PMV
PRESENTED C.J.R.
CHECKED
APPROVED
CHIEF ENGINEER
SUBMITTED
DIV. ENGR. WATER CONS.
RECOMMENDED
ASST. CHIEF DEP. ENGR.
SCALE GRAPHIC
DATE MAR.1966
NO. 19-H 74
SHEET 1 OF 1
19 H 74

MAP IX


SAN GABRIEL MOUNTAINS
SAN RAFAEL HILLS
LA MERCED HILLS
SAN JOSE HILLS
PUENTE HILLS
PASADENA
Sierra Madre
Arcadia
Monrovia
Duarte
Azusa
Glendora
San Dimas
La Verne
Claremont
Pomona
Alhambra
El Monte
Baldwin Park
West Covina
Covina
La Puente
Montebello
Maywood
Whittier
SANTA FE DAM
SAN GABRIEL DAM
MORRIS DAM
BIG DALTON DAM
SAN DIMAS DAM
SAN ANTONIO DAM
THOMPSON CREEK DAM
LIVE OAK DAM
PUDDINGSTONE DIVERSION DAM
PUDDINGSTONE DAM
PUDDINGSTONE RESERVOIR
WHITTIER NARROWS DAM
DEVILS GATE DAM
EATON WASH DAM
SIERRA MADRE DAM
BIG SANTA ANITA DAM
SAWPIT DAM
SOUTH HILLS
LOS ANGELES RIVER
SCALE IN MILES
LEGEND
LINES OF EQUAL FREE GROUND WATER ELEVATION (INTERPOLATED BETWEEN WELLS). LOCALLY THE WATER MAY BE UNDER PRESSURE.
SAME AS ABOVE - LOCATION APPROXIMATE
GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
GROUND SURFACE CONTOURS
SPREADING GROUNDS
F FLOWING WELL
REACH OF RISING WATER
CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
CHANNEL WITH BOTTOM OPEN; SIDES IMPROVED
NATURAL CHANNEL
REVISIONS
MARK DATE DESCRIPTION
APR. 1960 GENERAL (ON BASE)
OCT. 1961 GENERAL (ON BASE)
NOV. 1963 GENERAL (ON BASE)
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SAN GABRIEL VALLEY
GROUND WATER CONTOURS
NOVEMBER 1963
BASE MAP M.K.I.
DRAWN P.M.V. R.M.
APPROVED
CHIEF ENGINEER
PRESENTED C.J.R.
CHECKED
SUBMITTED
RECOMMENDED
DIV. ENGR. WATER CONS.
ASST. CHIEF DEP. ENGR.
SCALE GRAPHIC
DATE DEC. 1964
NO. 6-H76

MAP X

397



LEGEND

- LINES OF EQUAL FREE GROUND WATER ELEVATION (INTERPOLATED BETWEEN WELLS) LOCALLY THE WATER MAY BE UNDER PRESSURE.
- SAME AS ABOVE - LOCATION APPROXIMATE
- GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT.
- GROUND SURFACE CONTOURS
- SPREADING GROUNDS
- F FLOWING WELL
- REACH OF RISING WATER
- CHANNEL, IMPERVIOUS LINING, SIDES AND BOTTOM
- CHANNEL WITH BOTTOM OPEN; SIDES IMPROVED
- NATURAL CHANNEL

REVISIONS		
MARK	DATE	DESCRIPTION
	APR. 1960	GENERAL (ON BASE)
	OCT. 1961	GENERAL (ON BASE)
	NOV. 1963	GENERAL (ON BASE)
	APR. 1964	GENERAL (ON BASE)
	SEPT. 1964	GENERAL (ON BASE)

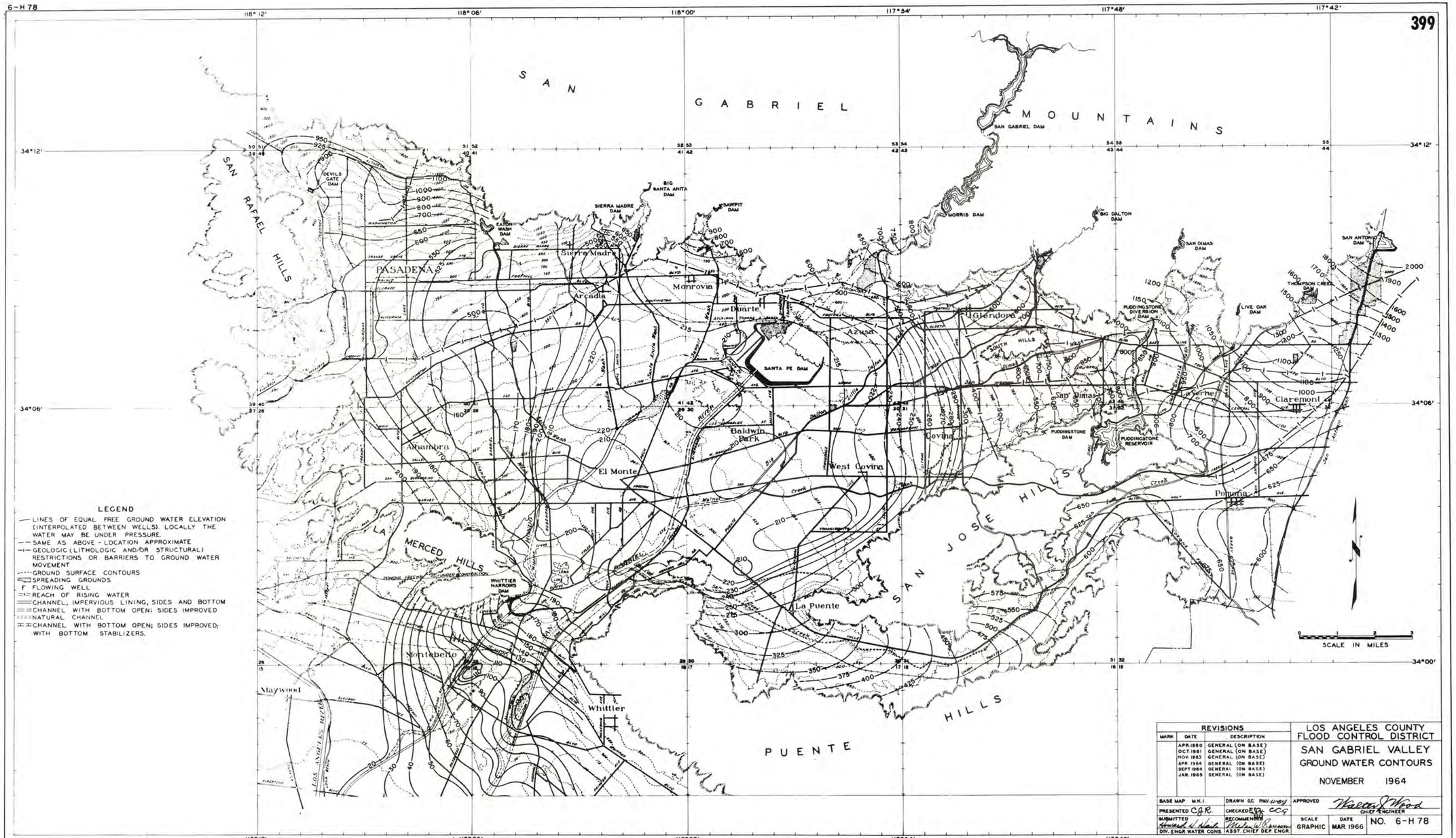
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

SAN GABRIEL VALLEY
GROUND WATER CONTOURS
APRIL 1964

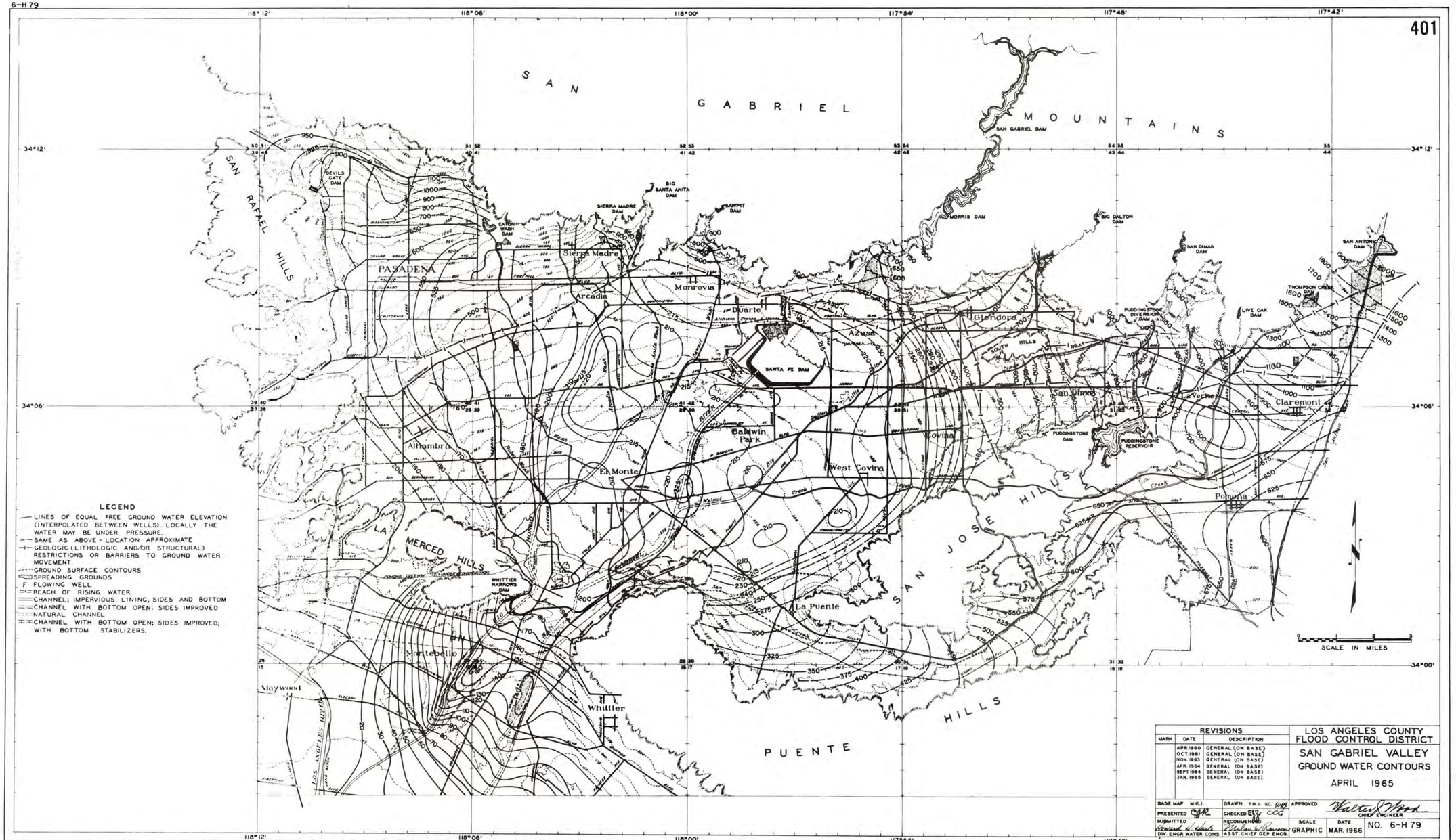
BASE MAP M.K.I.	DRAWN P.M.V. R.M.	APPROVED	CHIEF ENGINEER
PRESENTED C.J.R.	CHECKED E.J.S. C.C.G.		
SUBMITTED	RECOMMENDED	SCALE	DATE
DIV. ENGR. WATER CONS.	ASST. CHIEF DEP. ENGR.	GRAPHIC	JAN. 1965

NO. 6-H 77

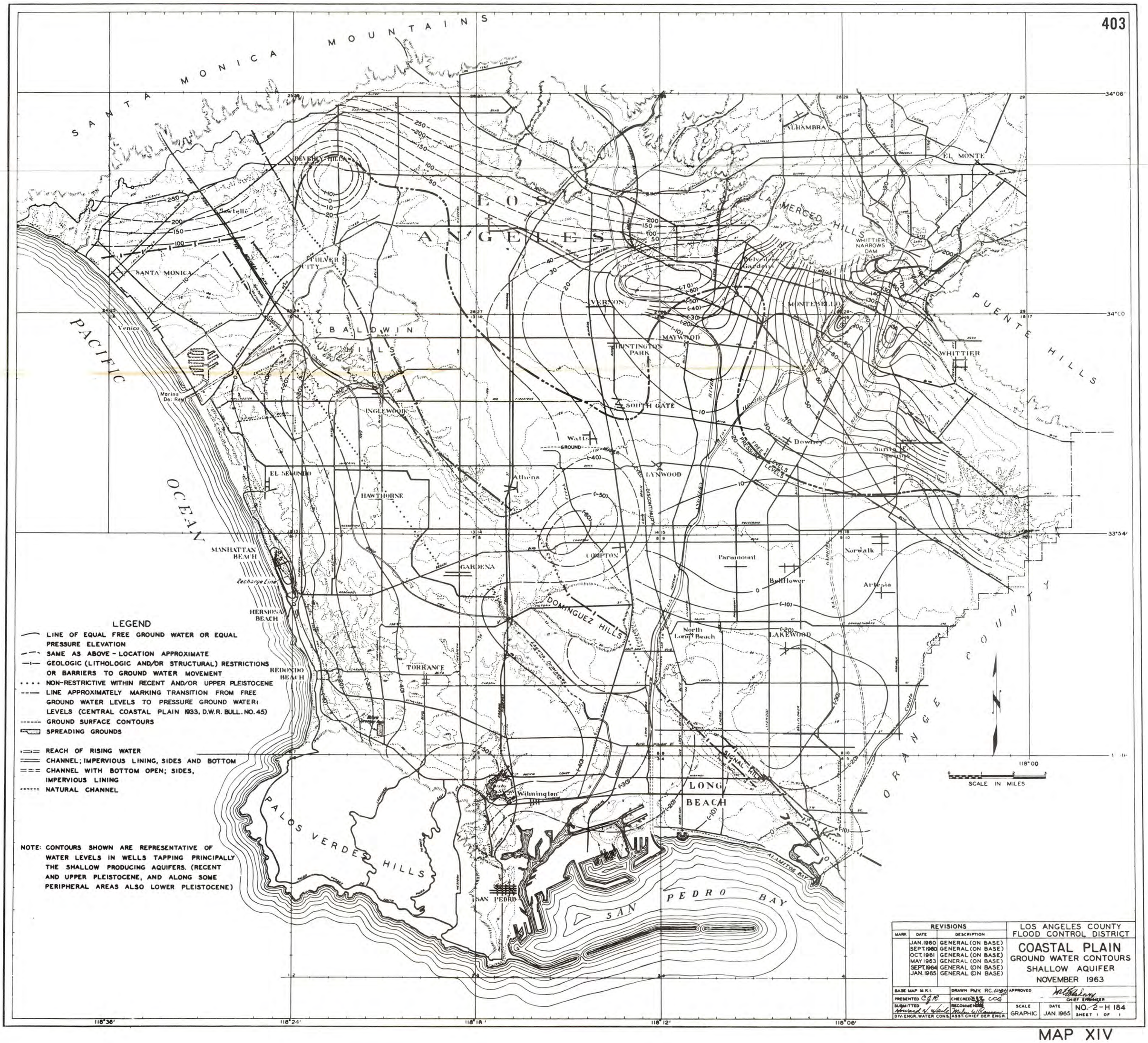
MAP XI


6-H 78
399
SAN GABRIEL MOUNTAINS
SAN RAFAEL HILLS
LA MERCED HILLS
SAN JOSE HILLS
PUENTE HILLS
PASADENA
Sierra Madre
Arcadia
Monrovia
Duarte
Azusa
Glendora
San Dimas
La Verne
Claremont
Pomona
Covina
West Covina
Baldwin Park
El Monte
Alhambra
La Puente
Montebello
Maywood
Whittier
SANTA FE DAM
SAN GABRIEL DAM
MORRIS DAM
BIG DALTON DAM
SAN DIMAS DAM
SAN ANTONIO DAM
THOMPSON CREEK DAM
LIVE OAK DAM
PUDDINGSTONE DIVERSION DAM
PUDDINGSTONE DAM
PUDDINGSTONE RESERVOIR
SAWPIT DAM
BIG SANTA ANITA DAM
SIERRA MADRE DAM
EATON WASH DAM
DEVILS GATE DAM
WHITTIER NARROWS DAM
SOUTH HILLS
LOS ANGELES RIVER
118° 12'
118° 06'
118° 00'
117° 54'
117° 48'
117° 42'
34° 12'
34° 06'
34° 00'
SCALE IN MILES
LEGEND
LINES OF EQUAL FREE GROUND WATER ELEVATION (INTERPOLATED BETWEEN WELLS). LOCALLY THE WATER MAY BE UNDER PRESSURE.
SAME AS ABOVE - LOCATION APPROXIMATE
GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
GROUND SURFACE CONTOURS
SPREADING GROUNDS
F FLOWING WELL
REACH OF RISING WATER
CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
CHANNEL WITH BOTTOM OPEN; SIDES IMPROVED
NATURAL CHANNEL
CHANNEL WITH BOTTOM OPEN; SIDES IMPROVED; WITH BOTTOM STABILIZERS.
REVISIONS
MARK DATE DESCRIPTION
APR. 1960 GENERAL (ON BASE)
OCT. 1961 GENERAL (ON BASE)
NOV. 1963 GENERAL (ON BASE)
APR. 1964 GENERAL (ON BASE)
SEPT. 1964 GENERAL (ON BASE)
JAN. 1965 GENERAL (ON BASE)
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SAN GABRIEL VALLEY
GROUND WATER CONTOURS
NOVEMBER 1964
BASE MAP M.K.I.
DRAWN G.C. PMV
APPROVED
PRESENTED C.J.R.
CHECKED
CHIEF ENGINEER
SUBMITTED
RECOMMENDED
DIV. ENGR. WATER CONS.
ASST. CHIEF DEP. ENGR.
SCALE GRAPHIC
DATE MAR. 1966
NO. 6-H 78

MAP XII


401
SAN GABRIEL MOUNTAINS
SAN RAFAEL HILLS
LA MERCED HILLS
SAN JOSE HILLS
PUENTE HILLS
PASADENA
Sierra Madre
Arcadia
Monrovia
Duarte
Azusa
Glendora
San Dimas
La Verne
Claremont
Pomona
Covina
West Covina
Baldwin Park
El Monte
Alhambra
La Puente
Montebello
Maywood
Whittier
SANTA FE DAM
SAN GABRIEL DAM
MORRIS DAM
BIG DALTON DAM
SAN DIMAS DAM
SAN ANTONIO DAM
THOMPSON CREEK DAM
LIVE OAK DAM
PUDDINGSTONE DIVERSION DAM
PUDDINGSTONE DAM
PUDDINGSTONE RESERVOIR
DEVILS GATE DAM
EATON WASH DAM
SIERRA MADRE DAM
BIG SANTA ANITA DAM
SAWPIT DAM
WHITTIER NARROWS DAM
LOS ANGELES RIVER
SCALE IN MILES
LEGEND
LINES OF EQUAL FREE GROUND WATER ELEVATION (INTERPOLATED BETWEEN WELLS). LOCALLY THE WATER MAY BE UNDER PRESSURE.
SAME AS ABOVE - LOCATION APPROXIMATE
GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
GROUND SURFACE CONTOURS
SPREADING GROUNDS
F FLOWING WELL
REACH OF RISING WATER
CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
CHANNEL WITH BOTTOM OPEN; SIDES IMPROVED
NATURAL CHANNEL
CHANNEL WITH BOTTOM OPEN; SIDES IMPROVED; WITH BOTTOM STABILIZERS.
REVISIONS
MARK DATE DESCRIPTION
APR. 1960 GENERAL (ON BASE)
OCT. 1961 GENERAL (ON BASE)
NOV. 1963 GENERAL (ON BASE)
APR. 1964 GENERAL (ON BASE)
SEPT. 1964 GENERAL (ON BASE)
JAN. 1965 GENERAL (ON BASE)
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SAN GABRIEL VALLEY
GROUND WATER CONTOURS
APRIL 1965
BASE MAP M.K.I.
DRAWN P.M.V. G.C.
APPROVED
PRESENTED
CHECKED
CHIEF ENGINEER
SUBMITTED
RECOMMENDED
DIV. ENGR. WATER CONS.
ASST. CHIEF DEP. ENGR.
SCALE GRAPHIC
DATE MAR. 1966
NO. 6-H 79

MAP XIII


SANTA MONICA MOUNTAINS
LOS ANGELES
PACIFIC OCEAN
BALDWIN HILLS
LA MERCED HILLS
PUENTE HILLS
DOMINGUEZ HILLS
PALOS VERDES HILLS
SAN PEDRO BAY
ORANGE COUNTY
BEVERLY HILLS
SANTA MONICA
Sawtelle
CULVER CITY
Venice
Marina Del Rey
INGLEWOOD
EL SEGUNDO
HAWTHORNE
MANHATTAN BEACH
Recharge Line
HERMOSA BEACH
REDONDO BEACH
TORRANCE
GARDENA
COMPTON
Athens
Watts
VERNON
HUNTINGTON PARK
MAYWOOD
SOUTH GATE
LYNWOOD
Paramount
Bellflower
Norwalk
Artesia
North Long Beach
LAKEWOOD
LONG BEACH
Wilmington
SAN PEDRO
ALHAMBRA
EL MONTE
WHITTIER NARROWS DAM
MONTEBELLO
WHITTIER
Downey
Santa Fe Springs
Belvedere Gardens
FREE LEVELS
PRESSURE LEVELS
DISCONTINUITY
SIGNAL HILL
ALAMITOS BAY
34°06'
34°00'
33°54'
118°00'
118°36'
118°24'
118°18'
118°12'
118°06'
SCALE IN MILES
LEGEND
LINE OF EQUAL FREE GROUND WATER OR EQUAL PRESSURE ELEVATION
SAME AS ABOVE - LOCATION APPROXIMATE
GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
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, 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
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)
REVISIONS
MARK DATE DESCRIPTION
JAN. 1960 GENERAL (ON BASE)
SEPT. 1960 GENERAL (ON BASE)
OCT. 1961 GENERAL (ON BASE)
MAY 1963 GENERAL (ON BASE)
SEPT. 1964 GENERAL (ON BASE)
JAN. 1965 GENERAL (ON BASE)
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
COASTAL PLAIN
GROUND WATER CONTOURS
SHALLOW AQUIFER
NOVEMBER 1963
BASE MAP M.K.I.
DRAWN PMV. RC.
APPROVED
PRESENTED
CHECKED
CHIEF ENGINEER
SUBMITTED
RECOMMENDED
DIV. ENGR. WATER CONS.
ASST. CHIEF DEP. ENGR.
SCALE GRAPHIC
DATE JAN. 1965
NO. 2-H 184
SHEET 1 OF 1

MAP XIV

SANTA MONICA MOUNTAINS

LOS ANGELES

PACIFIC OCEAN

PUENTE HILLS

ORANGE COUNTY

PALOS VERDES HILLS

DOMINGUEZ HILLS

BALDWIN HILLS

LA MERGED HILLS

SAN PEDRO BAY

ALAMITOS BAY

Recharge Line

Recharge Line

Recharge Line

Los Angeles - Dominguez Channel

Signal Hill

Whittier Narrows Dam

Belvedere Gardens

Rio Hondo

San Gabriel River

Los Angeles River

Free Ground Water Levels

Free Pressure Levels

Discontinuity

Beverly Hills

Sawtelle

Culver City

Santa Monica

Venice

Marina Del Rey

Inglewood

El Segundo

Hawthorne

Manhattan Beach

Hermosa Beach

Redondo Beach

Torrance

Gardena

Compton

Watts

Athens

Lynwood

South Gate

Vernon

Huntington Park

Maywood

Montebello

Alhambra

El Monte

Whittier

Santa Fe Springs

Downey

Paramount

Bellflower

Norwalk

Artesia

Lakewood

North Long Beach

Long Beach

Wilmington

San Pedro

LEGEND

- LINE OF EQUAL FREE GROUND WATER OR EQUAL PRESSURE ELEVATION
- SAME AS ABOVE - LOCATION APPROXIMATE
- GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
- 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, 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

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)

34°06'
34°00'
33°54'
33°48'
118°36'
118°24'
118°18'
118°12'
118°06'

SCALE IN MILES

REVISIONS		
MARK	DATE	DESCRIPTION
	JAN. 1960	GENERAL (ON BASE)
	SEPT. 1960	GENERAL (ON BASE)
	OCT. 1961	GENERAL (ON BASE)
	MAY 1963	GENERAL (ON BASE)
	SEPT. 1964	GENERAL (ON BASE)
	FEB. 1965	GENERAL (ON BASE)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

COASTAL PLAIN
GROUND WATER CONTOURS
SHALLOW AQUIFER
APRIL 1964

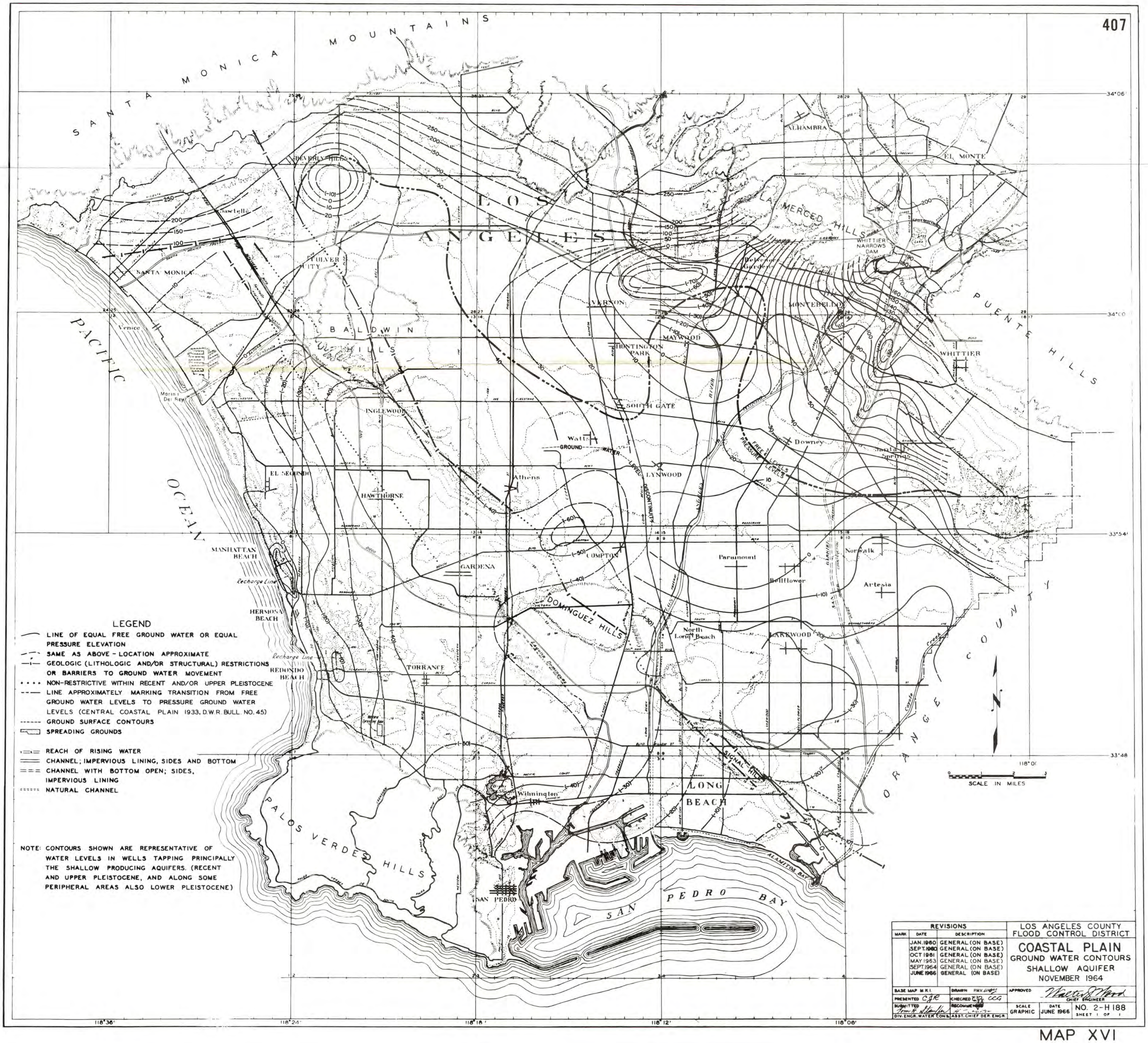
BASE MAP U.S.G.S. | DRAWN P.M.V. | APPROVED Walter J. Wood, CHIEF ENGINEER

PRESENTED C.J.R. | CHECKED E.J.H. C.C.G.

SUBMITTED Howard A. Hanks, DIV. ENGR. WATER CONS. | RECOMMENDED William Kaveney, ASST. CHIEF DEP. ENGR.

SCALE GRAPHIC | DATE APRIL 1965 | NO. 2-H 186 SHEET 1 OF 1

MAP XV


SANTA MONICA MOUNTAINS
LOS ANGELES
PACIFIC OCEAN
BALDWIN HILLS
LA MERCED HILLS
PUENTE HILLS
DOMINGUEZ HILLS
PALOS VERDES HILLS
SAN PEDRO BAY
ORANGE COUNTY
BEVERLY HILLS
SANTA MONICA
Venice
Marina Del Rey
CULVER CITY
INGLEWOOD
EL SEGUNDO
HAWTHORNE
MANHATTAN BEACH
HERMOSA BEACH
REDONDO BEACH
TORRANCE
GARDENA
COMPTON
Athens
Watts
VERNON
HUNTINGTON PARK
MAYWOOD
SOUTH GATE
LYNWOOD
Downey
Santa Fe Springs
Paramount
Bellflower
Norwalk
Artesia
North Long Beach
LAKEWOOD
LONG BEACH
Wilmington
SAN PEDRO
ALHAMBRA
EL MONTE
MONTEBELLO
WHITTIER
WHITTIER NARROWS DAM
Belvedere Gardens
Sawtelle
Recharge Line
GROUND WATER LEVEL DISCONTINUITY
FREE LEVELS
PRESSURE LEVELS
SIGNAL HILL
ALAMITOS BAY
SCALE IN MILES
34°06'
34°00'
33°54'
33°48'
118°36'
118°24'
118°18'
118°12'
118°06'
LEGEND
LINE OF EQUAL FREE GROUND WATER OR EQUAL PRESSURE ELEVATION
SAME AS ABOVE - LOCATION APPROXIMATE
GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
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, 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
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)
REVISIONS
MARK | DATE | DESCRIPTION
JAN. 1960 GENERAL (ON BASE)
SEPT. 1960 GENERAL (ON BASE)
OCT 1961 GENERAL (ON BASE)
MAY 1963 GENERAL (ON BASE)
SEPT. 1964 GENERAL (ON BASE)
JUNE 1966 GENERAL (ON BASE)
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
COASTAL PLAIN
GROUND WATER CONTOURS
SHALLOW AQUIFER
NOVEMBER 1964
BASE MAP M.K.I.
DRAWN P.M.V.
APPROVED
PRESENTED C.J.R.
CHECKED
CHIEF ENGINEER
SUBMITTED
RECOMMENDED
DIV. ENGR. WATER CONS.
ASST. CHIEF DEP. ENGR.
SCALE GRAPHIC
DATE JUNE 1966
NO. 2-H 188
SHEET 1 OF 1

MAP XVI

SANTA MONICA MOUNTAINS

LOS ANGELES

PACIFIC OCEAN

BALDWIN HILLS

PUENTE HILLS

LA MERCED HILLS

DOMINGUEZ HILLS

PALOS VERDES HILLS

ORANGE COUNTY

SAN PEDRO BAY

Recharge Line

Recharge Line

Recharge Line

Water Level Discontinuity

Free Ground Water Levels

Pressure Levels

Signal Hill

Alamitos Barrier Project

Alamitos Bay

Laguna Dominguez

Coyote Creek

Rio Hondo

San Gabriel River

Los Angeles River

Whittier Narrows Dam

Montebello Forebay

Hollydale Spreading Grounds

Hollydale Overflow

Hollydale Diversion

Wilmington Drain

Torrance Drain

Dominguez Gap Barrier Project

Beverly Hills

Sawtelle

Culver City

Santa Monica

Venice

Marina Del Rey

Manhattan Beach

Hermosa Beach

Redondo Beach

Torrance

Gardena

Compton

Inglewood

Hawthorne

El Segundo

Athens

Wilmington

San Pedro

Long Beach

Lakewood

North Long Beach

Bellflower

Paramount

Norwalk

Artesia

Downey

Lynwood

South Gate

Maywood

Huntington Park

Vernon

Montebello

Whittier

Alhambra

El Monte

Waterworks Gardens

Water Ground Water Level

34°06

34°00

33°54'

33°48

118°36'

118°24'

118°18'

118°12'

118°06'

0 1 2 3

SCALE IN MILES

LEGEND

- LINE OF EQUAL FREE GROUND WATER OR EQUAL PRESSURE ELEVATION
- SAME AS ABOVE - LOCATION APPROXIMATE
- GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
- 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, 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

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)

REVISIONS		
MARK	DATE	DESCRIPTION
	JAN. 1960	GENERAL (ON BASE)
	SEPT. 1960	GENERAL (ON BASE)
	OCT. 1961	GENERAL (ON BASE)
	MAY 1963	GENERAL (ON BASE)
	SEPT. 1964	GENERAL (ON BASE)
	JUNE 1966	GENERAL (ON BASE)

BASE MAP M.R.I. | DRAWN PMV | CHECKED | PRESENTED C.G.R. | CHECKED E.N.D. C.C.G. | SUBMITTED | RECOMMENDED | DIV. ENGR. WATER CONS. | ASST. CHIEF DEP. ENGR.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

COASTAL PLAIN GROUND WATER CONTOURS SHALLOW AQUIFER APRIL 1965

APPROVED Walter J. Wood CHIEF ENGINEER

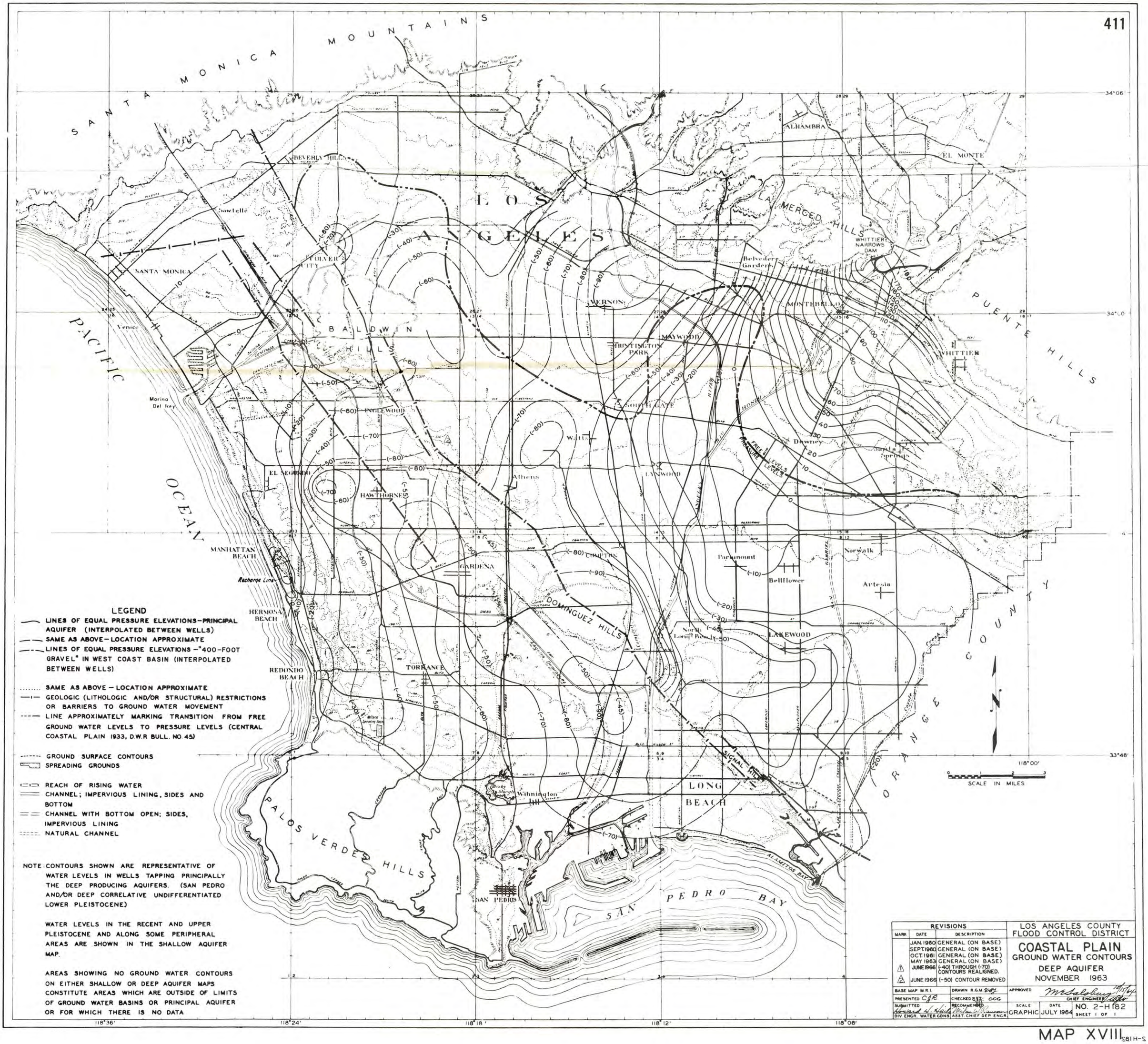
SCALE GRAPHIC | DATE JUNE 1966 | NO. 2-H 190 SHEET 1 OF 1

MAP XVII

S-H185

S-H185

411



LEGEND

- LINES OF EQUAL PRESSURE ELEVATIONS—PRINCIPAL AQUIFER (INTERPOLATED BETWEEN WELLS)
- SAME AS ABOVE—LOCATION APPROXIMATE
- LINES OF EQUAL PRESSURE ELEVATIONS—"400-FOOT GRAVEL" IN WEST COAST BASIN (INTERPOLATED BETWEEN WELLS)
- SAME AS ABOVE—LOCATION APPROXIMATE
- GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
- 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

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 NO DATA

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	
	JAN. 1960	GENERAL (ON BASE)	COASTAL PLAIN
	SEPT. 1960	GENERAL (ON BASE)	GROUND WATER CONTOURS
	OCT. 1961	GENERAL (ON BASE)	DEEP AQUIFER
	MAY 1963	GENERAL (ON BASE)	NOVEMBER 1963
1	JUNE 1966	(-40) THROUGH (-70) CONTOURS REALIGNED.	
2	JUNE 1966	(-50) CONTOUR REMOVED	

BASE MAP M.K.I.	DRAWN R.G.M. 7-64	APPROVED		
PRESENTED C.G.R.	CHECKED E.E.T. CCG	CHIEF ENGINEER		
SUBMITTED Howard H. Hall DIV. ENGR. WATER CONS.	RECOMMENDED Milton A. Rawson ASST. CHIEF DEP. ENGR.	SCALE GRAPHIC	DATE JULY 1964	NO. 2-H182 SHEET 1 OF 1

MAP XVIII S81H-S

S-H185

S-H 182

2-H 185

413

COASTAL PLAIN GROUND WATER CONTOURS DEEP AQUIFER APRIL 1964

SANTA MONICA MOUNTAINS

PACIFIC OCEAN

LOS ANGELES

ORANGE COUNTY

PUENTE HILLS

DOMINGUEZ HILLS

PALOS VERDES HILLS

BALDWIN HILLS

LA MERCED HILLS

SAN PEDRO BAY

ALAMITOS BAY

Recharge Line

Barrier Line

Fault

Signal Hill

Dominguez Gap Barrier

Belvedere Gardens

Whittier Narrows Dam

Free & Pressure Levels

Los Angeles River

San Gabriel River

Coyote Creek

Dixie Slough

Wilmington

Watts

Athens

Lynwood

Maywood

Huntington Park

Vernon

Montebello

Whittier

Santa Fe Springs

Downey

Norwalk

Artesia

Bellflower

Paramount

Lakewood

North Long Beach

Compton

Gardena

Torrance

Redondo Beach

Hermosa Beach

Manhattan Beach

El Segundo

Hawthorne

Inglewood

Culver City

Santa Monica

Beverly Hills

Sawtelle

Venice

Marina Del Rey

Alhambra

El Monte

South Gate

Long Beach

San Pedro

LEGEND

- LINES OF EQUAL PRESSURE ELEVATIONS–PRINCIPAL AQUIFER (INTERPOLATED BETWEEN WELLS)
- SAME AS ABOVE–LOCATION APPROXIMATE
- LINES OF EQUAL PRESSURE ELEVATIONS –"400-FOOT GRAVEL" IN WEST COAST BASIN (INTERPOLATED BETWEEN WELLS)
- SAME AS ABOVE – LOCATION APPROXIMATE
- GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
- 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

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 NO DATA

34°06'
34°00'
33°48'
118°36'
118°24'
118°18'
118°12'
118°00'

SCALE IN MILES

REVISIONS		
MARK	DATE	DESCRIPTION
	JAN. 1960	GENERAL (ON BASE)
	SEPT. 1960	GENERAL (ON BASE)
	OCT. 1961	GENERAL (ON BASE)
	MAY 1963	GENERAL (ON BASE)
	JUNE 1966	GENERAL (ON BASE)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

BASE MAP M.K.I. | DRAWN P.M.V. J.C. Duffy | APPROVED Walter L. Ward, CHIEF ENGINEER

PRESENTED C.G.R. | CHECKED E.M. C.C.G.

SUBMITTED Tom K. Hanlon, DIV. ENGR. WATER CONS. | RECOMMENDED ..., ASST. CHIEF DEP. ENGR.

SCALE GRAPHIC | DATE JUNE 1966 | NO. 2-H 185 SHEET 1 OF 1

MAP XIX 2-H 185

S-H 182

S-H 187

2-H 187

415

SANTA MONICA MOUNTAINS

LOS ANGELES

PACIFIC OCEAN

PUENTE HILLS

LA MERCED HILLS

BALDWIN HILLS

DOMINGUEZ HILLS

PALOS VERDES HILLS

ORANGE COUNTY

SAN PEDRO BAY

BEVERLY HILLS

Sawtelle

SANTA MONICA

CULVER CITY

Venice

Marina Del Rey

MANHATTAN BEACH

HERMOSA BEACH

REDONDO BEACH

TORRANCE

GARDENA

EL SEGUNDO

HAWTHORNE

INGLEWOOD

Athens

Watts

COMPTON

VERNON

MAYWOOD

HUNTINGTON PARK

SOUTH GATE

LYNWOOD

ALHAMBRA

EL MONTE

Belvedere Gardens

MONTEBELLO

WHITTIER NARROWS DAM

WHITTIER

Downey

Santa Fe Springs

Paramount

Bellflower

Norwalk

Artesia

North Long Beach

LAKEWOOD

LONG BEACH

Wilmington

SAN PEDRO

SIGNAL HILL

Recharge Line

Recharge Line

FREE & PRESSURE LEVELS

34°06'

34°00'

33°54'

33°48'

118°36'

118°24'

118°18'

118°12'

118°00'

SCALE IN MILES

LEGEND

- LINES OF EQUAL PRESSURE ELEVATIONS–PRINCIPAL AQUIFER (INTERPOLATED BETWEEN WELLS)
- SAME AS ABOVE–LOCATION APPROXIMATE
- LINES OF EQUAL PRESSURE ELEVATIONS –"400-FOOT GRAVEL" IN WEST COAST BASIN (INTERPOLATED BETWEEN WELLS)
- SAME AS ABOVE – LOCATION APPROXIMATE
- GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
- 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

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.

REVISIONS		
MARK	DATE	DESCRIPTION
	JAN. 1960	GENERAL (ON BASE)
	SEPT. 1960	GENERAL (ON BASE)
	OCT. 1961	GENERAL (ON BASE)
	MAY, 1963	GENERAL (ON BASE)
	SEPT. 1964	GENERAL (ON BASE)
	AUG. 1965	GENERAL (ON BASE)
⚠	JUNE 1966	(-40) THROUGH (-70) CONTOURS REALIGNED.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

COASTAL PLAIN
GROUND WATER CONTOURS
DEEP AQUIFER
NOVEMBER 1964

BASE MAP M.K.I. | DRAWN P.M.V. | APPROVED Walter J. Wood, CHIEF ENGINEER

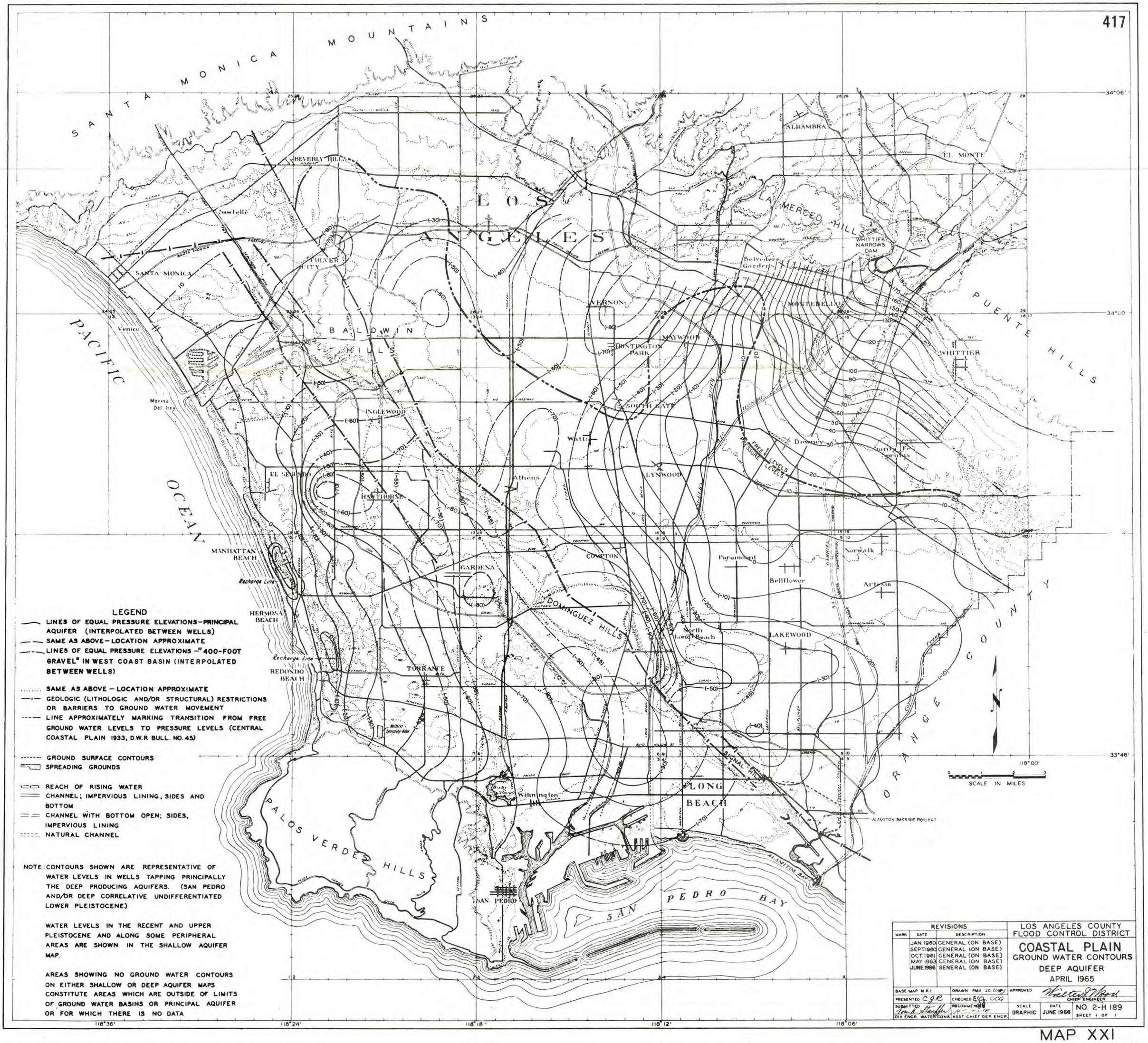
PRESENTED C.J.R. | CHECKED

SUBMITTED Howard E. Hale, DIV. ENGR. WATER CONS. | RECOMMENDED William A. Thomas, ASST. CHIEF DEP. ENGR.

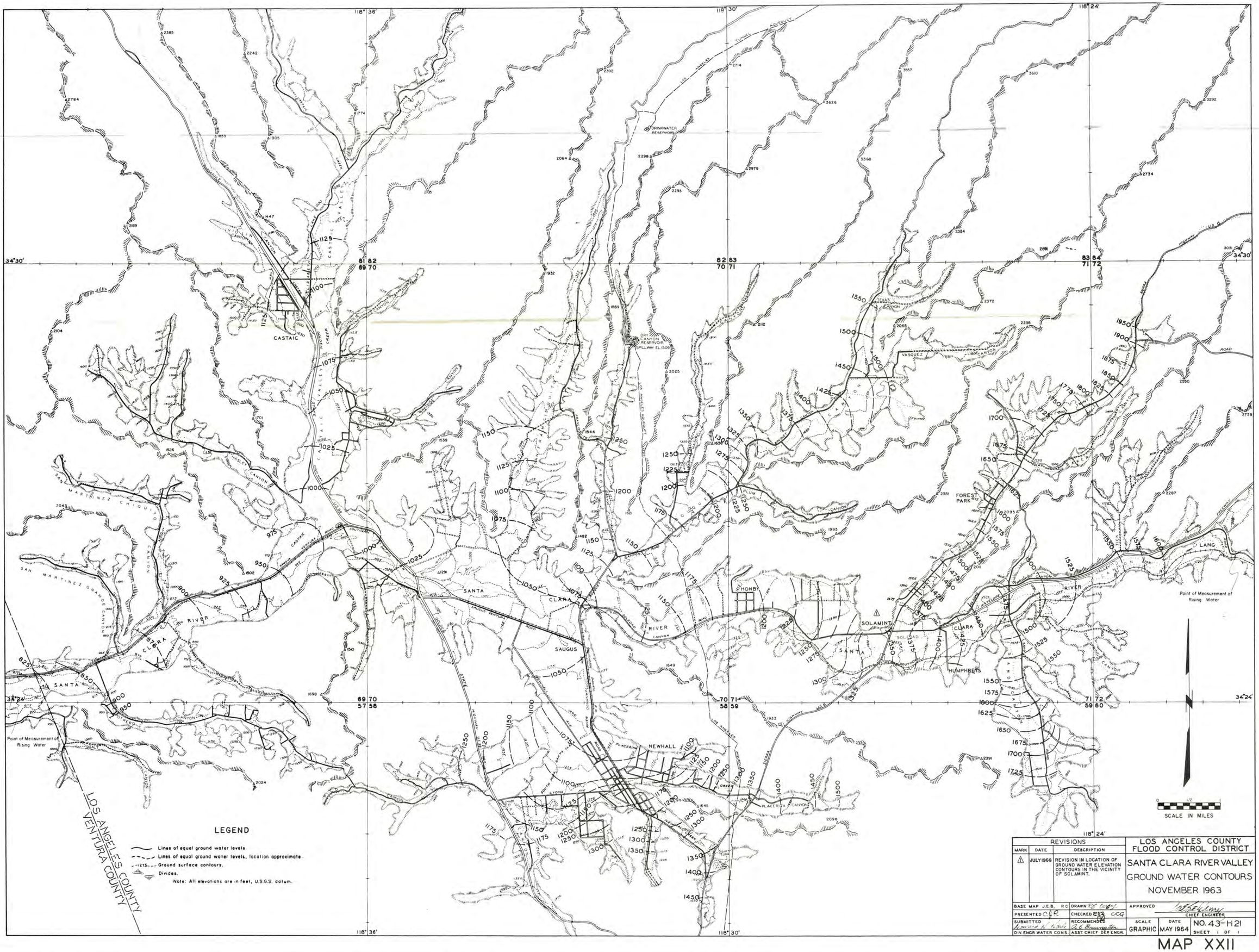
SCALE GRAPHIC | DATE AUG. 1965 | NO. 2-H187 SHEET 1 OF 1

2-H 187

MAP XX T81 H-S


417
SANTA MONICA MOUNTAINS
LOS ANGELES
BEVERLY HILLS
Sawtelle
SANTA MONICA
CULVER CITY
BALDWIN HILLS
Venice
Marina Del Rey
PACIFIC OCEAN
INGLEWOOD
EL SEGUNDO
HAWTHORNE
MANHATTAN BEACH
Recharge Line
HERMOSA BEACH
REDONDO BEACH
TORRANCE
GARDENA
COMPTON
DOMINGUEZ HILLS
Athens
Watts
LYNWOOD
SOUTH GATE
HUNTINGTON PARK
MAYWOOD
VERNON
LA MERCED HILLS
Belvedere Gardens
WHITTIER NARROWS DAM
MONTEBELLO
ALHAMBRA
EL MONTE
PUENTE HILLS
WHITTIER
Downey
Santa Fe Springs
Norwalk
Paramount
Bellflower
Artesia
North Long Beach
LAKEWOOD
SIGNAL HILL
LONG BEACH
Wilmington
SAN PEDRO
PALOS VERDES HILLS
SAN PEDRO BAY
ALAMITOS BAY
ALAMITOS BARRIER PROJECT
ORANGE COUNTY
FREE LEVELS
PRESSURE LEVELS
34°06'
34°00'
33°48'
118°00'
118°36'
118°24'
118°18'
118°12'
118°06'
SCALE IN MILES
LEGEND
LINES OF EQUAL PRESSURE ELEVATIONS–PRINCIPAL AQUIFER (INTERPOLATED BETWEEN WELLS)
SAME AS ABOVE–LOCATION APPROXIMATE
LINES OF EQUAL PRESSURE ELEVATIONS –"400-FOOT GRAVEL" IN WEST COAST BASIN (INTERPOLATED BETWEEN WELLS)
SAME AS ABOVE – LOCATION APPROXIMATE
GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
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
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 NO DATA
REVISIONS
MARK | DATE | DESCRIPTION
JAN. 1960 GENERAL (ON BASE)
SEPT. 1960 GENERAL (ON BASE)
OCT. 1961 GENERAL (ON BASE)
MAY 1963 GENERAL (ON BASE)
JUNE 1966 GENERAL (ON BASE)
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
COASTAL PLAIN
GROUND WATER CONTOURS
DEEP AQUIFER
APRIL 1965
BASE MAP M.K.I.
DRAWN P.M.V. J.C. WAY
APPROVED Walter J. Wood CHIEF ENGINEER
PRESENTED C.J.R.
CHECKED E.J.J. CCG
SUBMITTED Tom N. Stauffer DIV. ENGR. WATER CONS.
RECOMMENDED ASST. CHIEF DEP. ENGR.
SCALE GRAPHIC
DATE JUNE 1966
NO. 2-H 189
SHEET 1 OF 1

MAP XXI



LEGEND

- Lines of equal ground water levels.
- Lines of equal ground water levels, location approximate.
- 1275 Ground surface contours.
- Divides.

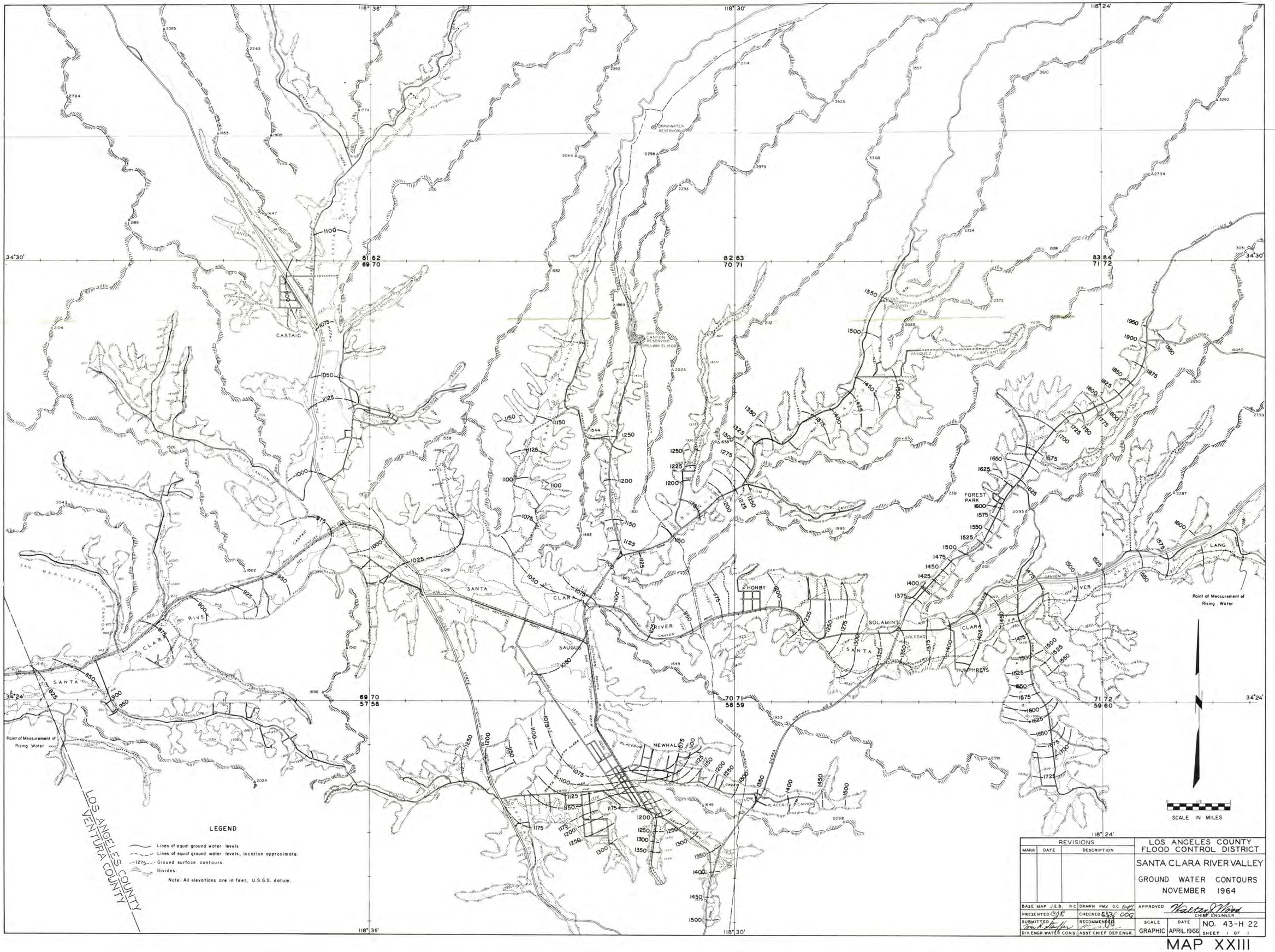
Note: All elevations are in feet, U.S.G.S. datum.

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	SANTA CLARA RIVER VALLEY
⚠	JULY 1966	REVISION IN LOCATION OF GROUND WATER ELEVATION CONTOURS IN THE VICINITY OF SOLAMINT.	GROUND WATER CONTOURS
			NOVEMBER 1963

BASE MAP J.E.B. RC	DRAWN RC 10/64	APPROVED	CHIEF ENGINEER
PRESENTED CJR	CHECKED EAS CCG		
SUBMITTED	RECOMMENDED	SCALE	DATE
DIV. ENGR. WATER CONS.	ASST. CHIEF DEP. ENGR.	GRAPHIC	MAY 1964

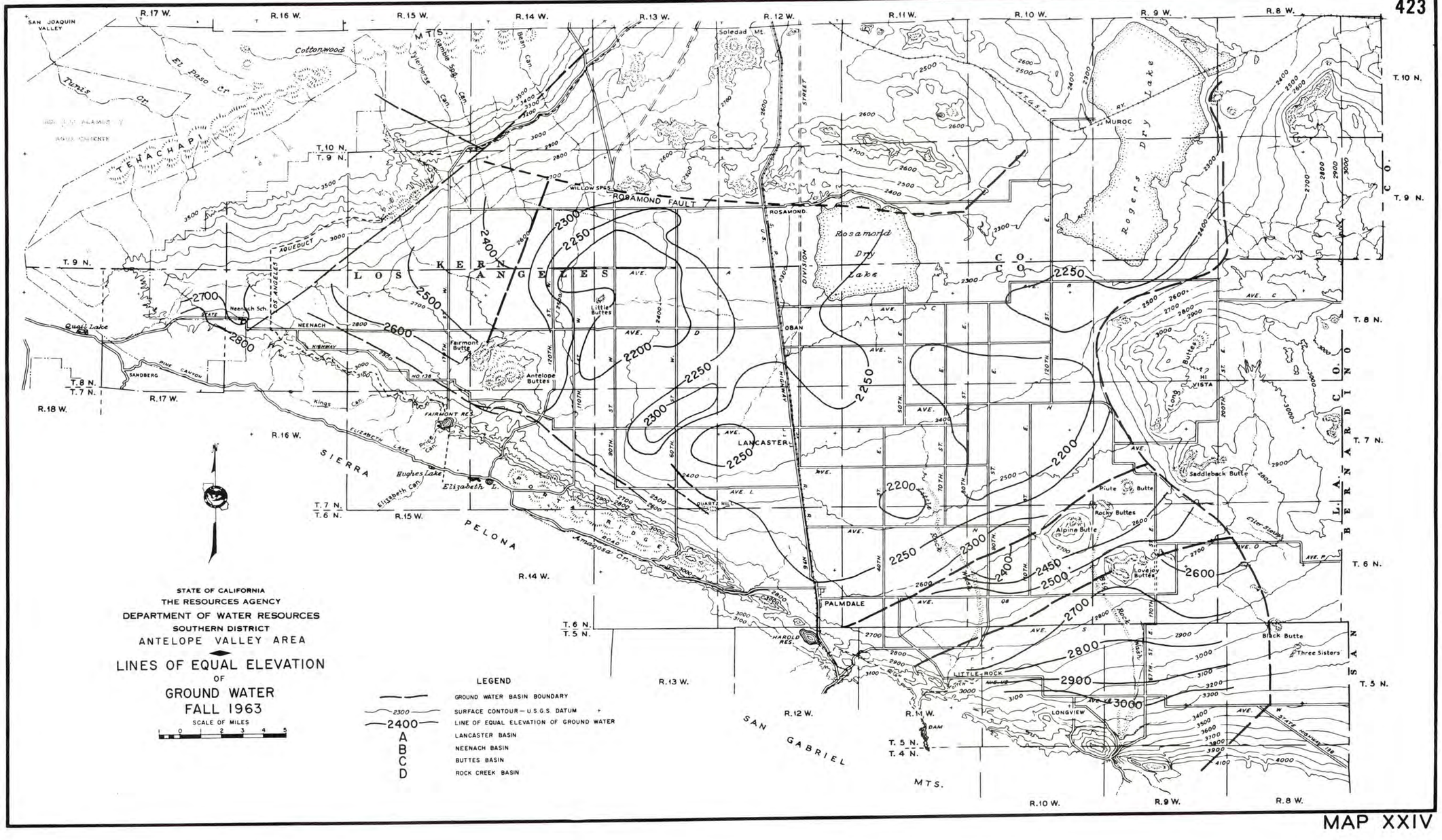
NO. 43-H 21
SHEET 1 OF 1

MAP XXII



REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	SANTA CLARA RIVER VALLEY
			GROUND WATER CONTOURS NOVEMBER 1964
BASE MAP J.E.B. R.C.	DRAWN PMV G.C.		APPROVED Walter J. Wood CHIEF ENGINEER
PRESENTED CJR	CHECKED EJK COG		
SUBMITTED Tom H. Taylor	RECOMMENDED		SCALE GRAPHIC / DATE APRIL 1966 / NO. 43-H 22 SHEET 1 OF 1
DIV. ENGR. WATER CONS.	ASST. CHIEF DEP. ENGR.		

MAP XXIII


STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SOUTHERN DISTRICT
ANTELOPE VALLEY AREA
LINES OF EQUAL ELEVATION
OF
GROUND WATER
FALL 1963
SCALE OF MILES
LEGEND
GROUND WATER BASIN BOUNDARY
SURFACE CONTOUR – U.S.G.S. DATUM
LINE OF EQUAL ELEVATION OF GROUND WATER
A LANCASTER BASIN
B NEENACH BASIN
C BUTTES BASIN
D ROCK CREEK BASIN
LOS ANGELES
KERN CO.
SAN BERNARDINO CO.
ROSAMOND FAULT
SIERRA PELONA
SAN GABRIEL MTS.
TEHACHAPI MTS.
Rogers Dry Lake
Rosamond Dry Lake
Quail Lake
Hughes Lake
Elizabeth L.
LANCASTER
PALMDALE
ROSAMOND
OBAN
NEENACH
SANDBERG
MUROC
LONGVIEW
LITTLE ROCK
Fairmont Butte
Antelope Buttes
Little Buttes
Saddleback Butte
Black Butte
Three Sisters
Alpine Butte
Rocky Buttes
Piute Butte
Lovejoy Buttes
Long Buttes
Soledad Mt.
Cottonwood
Tunis Cr.
El Paso Cr.
Amargosa Cr.
Kings Can.
Elizabeth Can.
Bean Can.
Gamble Spg. Can.
Tylerhorse Can.
Price Can.
Pine Canyon
Ellis Slough
Big Rock Wash
Little Rock Wash
HARROLD RES.
FAIRMONT RES.
DAM
SAN JOAQUIN VALLEY
R.17 W.
R.16 W.
R.15 W.
R.14 W.
R.13 W.
R.12 W.
R.11 W.
R.10 W.
R.9 W.
R.8 W.
R.18 W.
T.10 N.
T.9 N.
T.8 N.
T.7 N.
T.6 N.
T.5 N.
T.4 N.
2700
2800
2600
2500
2400
2300
2250
2200
2450
2900
3000

MAP XXIV