11072000 TEMESCAL CREEK NEAR CORONA, CALIF.--CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1968 TO SEPTEMBER 1969

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 0 | 0 | 3.0 | 400 | 44 | 49 | 32 | 17 | 4.4 | 3.1 |
| 2 | | | 0 | 0 | 2.2 | 280 | 90 | 49 | 32 | 17 | 4.3 | 3.1 |
| 3 | | | 0 | 0 | 2.0 | 200 | 60 | 49 | 31 | 18 | 4.2 | 3.1 |
| 4 | | | 0 | 0 | 1.9 | 140 | 46 | 48 | 31 | 18 | 4.1 | 3.1 |
| 5 | | | 0 | 0 | 1.8 | 120 | 45 | 48 | 31 | 17 | 4.2 | 3.1 |
| 6 | | | 0 | 0 | 90 | 115 | 100 | 70 | 31 | 16 | 5.0 | 3.1 |
| 7 | | | 0 | 0 | 25 | 110 | 60 | 43 | 32 | 14 | 6.1 | 3.1 |
| 8 | | | 0 | 0 | 8.0 | 107 | 56 | 39 | 33 | 12 | 5.9 | 3.1 |
| 9 | | | 0 | 0 | 5.5 | 106 | 53 | 35 | 34 | 10 | 5.7 | 3.1 |
| 10 | | | 0 | 0 | 4.1 | 105 | 52 | 33 | 35 | 9.5 | 5.5 | 3.1 |
| 11 | | | 0 | 0 | 3.6 | 103 | 51 | 31 | 36 | 9.4 | 5.3 | 3.1 |
| 12 | | | 0 | 0 | 3.3 | 100 | 51 | 30 | 36 | 9.1 | 5.1 | 3.0 |
| 13 | | | 0 | 0 | 3.1 | 95 | 51 | 29 | 35 | 9.2 | 5.0 | 3.0 |
| 14 | | | 0 | 3.6 | 2.9 | 90 | 51 | 28 | 32 | 10 | 4.8 | 3.0 |
| 15 | | | 0 | 0 | 2.7 | 81 | 51 | 28 | 28 | 13 | 4.6 | 2.9 |
| 16 | | | 0 | 0 | 2.6 | 73 | 51 | 28 | 24 | 10 | 4.4 | 2.9 |
| 17 | | | 0 | 0 | 2.5 | 66 | 50 | 29 | 21 | 9.0 | 4.2 | 2.9 |
| 18 | | | 0 | .70 | 2.5 | 61 | 50 | 29 | 20 | 8.4 | 4.0 | 2.9 |
| 19 | | | 0 | 1.2 | 3.2 | 58 | 50 | 29 | 19 | 7.9 | 3.8 | 3.0 |
| 20 | | | 0 | 2.3 | 2.7 | 55 | 50 | 30 | 18 | 7.3 | 3.6 | 3.0 |
| 21 | | | 0 | 38 | 2.5 | 54 | 50 | 31 | 17 | 7.0 | 3.4 | 3.1 |
| 22 | | | 0 | 3.0 | 10 | 52 | 50 | 32 | 16 | 6.7 | 3.4 | 3.1 |
| 23 | | | 0 | 0 | 90 | 51 | 50 | 32 | 15 | 6.4 | 3.4 | 3.1 |
| 24 | | | 0 | 257 | 400 | 49 | 50 | 33 | 14 | 6.3 | 3.4 | 3.4 |
| 25 | | | 1.7 | 810 | 2,500 | 47 | 50 | 34 | 14 | 6.2 | 3.4 | 3.8 |
| 26 | | | 1.2 | 150 | 1,500 | 46 | 49 | 35 | 14 | 5.8 | 3.3 | 3.0 |
| 27 | | | 0 | 50 | 900 | 45 | 49 | 36 | 15 | 5.4 | 3.3 | 2.7 |
| 28 | | | 0 | 20 | 600 | 45 | 49 | 35 | 15 | 5.1 | 3.3 | 2.5 |
| 29 | | | 0 | 10 | ------ | 45 | 49 | 35 | 16 | 4.9 | 3.3 | 2.3 |
| 30 | | | 0 | 6.0 | ------ | 44 | 49 | 34 | 16 | 4.7 | 3.2 | 2.2 |
| 31 | | ------ | 0 | 4.0 | ------ | 44 | ------ | 33 | ------ | 4.5 | 3.2 | ------ |
| TOTAL | 0 | 0 | 2.9 | 1,355.80 | 6,175.1 | 2,987 | 1,607 | 1,124 | 743 | 304.8 | 130.8 | 89.9 |
| MEAN | 0 | 0 | .094 | 43.7 | 221 | 96.4 | 53.6 | 36.3 | 24.8 | 9.83 | 4.22 | 3.00 |
| MAX | 0 | 0 | 1.7 | 810 | 2,500 | 400 | 100 | 70 | 36 | 18 | 6.1 | 3.8 |
| MIN | 0 | 0 | 0 | 0 | 1.8 | 44 | 44 | 28 | 14 | 4.5 | 3.2 | 2.2 |
| AC-FT | 0 | 0 | 5.8 | 2,690 | 12,250 | 5,920 | 3,190 | 2,230 | 1,470 | 605 | 259 | 178 |

CAL YR 1968 TOTAL 382.60 MEAN 1.05 MAX 147 MIN 0 AC-FT 759
WTR YR 1969 TOTAL 14,520.30 MEAN 39.8 MAX 2,500 MIN 0 AC-FT 28,800

NOTE.--NO GAGE-HEIGHT RECORD JAN. 26 TO SEPT. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.2 | 2.2 | 3.1 | 2.9 | 4.7 | 70 | 2.7 | 1.7 | 1.1 | .67 | .34 | .16 |
| 2 | 2.2 | 2.2 | 3.0 | 2.9 | 4.7 | 40 | 2.7 | 1.7 | 1.0 | .66 | .33 | .16 |
| 3 | 2.2 | 2.2 | 3.0 | 3.0 | 4.7 | 15 | 2.6 | 1.6 | 1.0 | .64 | .32 | .15 |
| 4 | 2.2 | 2.2 | 2.9 | 3.0 | 4.7 | 8.0 | 2.6 | 1.6 | 1.0 | .62 | .31 | .15 |
| 5 | 2.2 | 2.2 | 2.9 | 3.0 | 4.7 | 35 | 2.5 | 1.6 | 1.0 | .62 | .30 | .15 |
| 6 | 2.2 | 2.2 | 2.8 | 3.0 | 4.6 | 15 | 2.5 | 1.5 | 1.0 | .60 | .30 | .15 |
| 7 | 2.2 | 25 | 2.8 | 3.0 | 4.6 | 11 | 2.5 | 1.5 | 1.0 | .59 | .29 | .14 |
| 8 | 2.2 | 12 | 2.8 | 3.0 | 4.6 | 9.0 | 2.4 | 1.5 | .99 | .58 | .28 | .14 |
| 9 | 2.2 | 10 | 2.7 | 3.0 | 4.6 | 8.0 | 2.4 | 1.5 | .98 | .56 | .27 | .14 |
| 10 | 2.2 | 9.4 | 2.7 | 12 | 18 | 6.8 | 2.3 | 1.4 | .97 | .55 | .27 | .13 |
| 11 | 2.2 | 8.6 | 2.7 | 9.8 | 11 | 6.2 | 2.3 | 1.4 | .97 | .54 | .26 | .13 |
| 12 | 2.2 | 7.8 | 2.7 | 9.0 | 9.2 | 5.6 | 2.2 | 1.4 | .96 | .53 | .26 | .13 |
| 13 | 2.2 | 7.2 | 2.7 | 8.6 | 8.2 | 5.3 | 2.2 | 1.4 | .96 | .52 | .25 | .12 |
| 14 | 2.2 | 6.8 | 2.7 | 8.0 | 7.4 | 5.0 | 2.1 | 1.3 | .95 | .51 | .24 | .12 |
| 15 | 2.2 | 6.4 | 2.7 | 7.5 | 7.0 | 4.7 | 2.1 | 1.3 | .95 | .50 | .23 | .12 |
| 16 | 2.2 | 6.1 | 2.7 | 9.0 | 6.6 | 4.4 | 2.1 | 1.3 | .94 | .49 | .23 | .11 |
| 17 | 2.2 | 5.8 | 2.7 | 7.7 | 6.4 | 4.2 | 2.1 | 1.3 | .93 | .48 | .22 | .11 |
| 18 | 2.2 | 5.4 | 2.7 | 7.0 | 6.2 | 4.0 | 2.0 | 1.3 | .92 | .47 | .22 | .11 |
| 19 | 2.2 | 5.2 | 2.7 | 6.4 | 6.0 | 3.9 | 2.0 | 1.3 | .90 | .46 | .21 | .11 |
| 20 | 2.2 | 5.0 | 2.7 | 6.0 | 5.8 | 3.7 | 2.0 | 1.2 | .88 | .45 | .21 | .10 |
| 21 | 2.2 | 4.7 | 2.7 | 5.8 | 5.7 | 3.6 | 2.0 | 1.2 | .86 | .44 | .20 | .10 |
| 22 | 2.2 | 4.5 | 2.7 | 5.6 | 5.6 | 3.5 | 1.9 | 1.2 | .84 | .43 | .20 | .10 |
| 23 | 2.2 | 4.3 | 2.7 | 5.5 | 5.6 | 3.4 | 1.9 | 1.2 | .82 | .42 | .19 | .08 |
| 24 | 2.2 | 4.1 | 2.8 | 5.4 | 5.5 | 3.3 | 1.9 | 1.2 | .80 | .40 | .19 | .08 |
| 25 | 2.2 | 3.9 | 2.8 | 5.2 | 5.4 | 3.2 | 1.9 | 1.2 | .78 | .39 | .19 | .06 |
| 26 | 2.2 | 3.7 | 2.8 | 5.2 | 5.4 | 3.1 | 1.8 | 1.1 | .76 | .38 | .18 | .06 |
| 27 | 2.2 | 3.6 | 2.8 | 5.1 | 5.4 | 3.1 | 1.8 | 1.1 | .74 | .37 | .18 | .04 |
| 28 | 2.2 | 3.5 | 2.8 | 5.0 | 30 | 3.0 | 1.8 | 1.1 | .72 | .36 | .17 | .04 |
| 29 | 2.2 | 3.3 | 2.8 | 4.8 | ------ | 2.9 | 1.8 | 1.1 | .70 | .36 | .17 | .02 |
| 30 | 2.2 | 3.2 | 2.9 | 4.8 | ------ | 2.8 | 1.7 | 1.1 | .68 | .35 | .17 | .02 |
| 31 | 2.2 | ------ | 2.9 | 4.7 | ------ | 2.8 | ------ | 1.1 | ------ | .34 | .16 | ------ |
| TOTAL | 68.2 | 172.7 | 86.4 | 174.9 | 202.3 | 299.5 | 64.8 | 41.4 | 27.10 | 15.28 | 7.34 | 3.23 |
| MEAN | 2.20 | 5.76 | 2.79 | 5.64 | 7.23 | 9.66 | 2.16 | 1.34 | .90 | .49 | .24 | .11 |
| MAX | 2.2 | 25 | 3.1 | 12 | 30 | 70 | 2.7 | 1.7 | 1.1 | .67 | .34 | .16 |
| MIN | 2.2 | 2.2 | 2.7 | 2.9 | 4.6 | 2.8 | 1.7 | 1.1 | .68 | .34 | .16 | .02 |
| AC-FT | 135 | 343 | 171 | 347 | 401 | 594 | 129 | 82 | 54 | 30 | 15 | 6.4 |

CAL YR 1969 TOTAL 14,844.70 MEAN 40.7 MAX 2,500 MIN 0 AC-FT 29,440
WTR YR 1970 TOTAL 1,163.15 MEAN 3.19 MAX 70 MIN .02 AC-FT 2,310

NOTE.--NO GAGE-HEIGHT RECORD PRIOR TO JUNE 12.

## 11072200 TEMESCAL CREEK AT CORONA, CALIF.

LOCATION.--Lat 33°53'46", long 117°34'50", in La Sierra Grant, Riverside County, on right bank 0.2 mile downstream from Lincoln Avenue and 1.0 mile northwest of Corona.

DRAINAGE AREA.--249 sq mi, not including 768 sq mi above Lake Elsinore.

PERIOD OF RECORD.--December 1967 to September 1970.

GAGE.--Water-stage recorder. Altitude of gage is 550 ft (from topographic map).

EXTREMES.--Maximums and minimums (discharge in cubic feet per second, gage height in feet) for December 1967 to September 1970 are contained in the following table:

| | Maximum | | | Minimum | |
|---|---|---|---|---|---|
| Wtr yr | Date | Discharge | G.H. | Date | Discharge |
| 1968 | Mar. 8, 1968 | 774 | 4.27 | Many days | 0 |
| 1969 | Feb. 25, 1969 | 8,850 | a8.17 | Long periods | 0 |
| 1970 | Mar. 4, 1970 | 212 | 2.67 | do. | 0 |

a From floodmark.

Period of record: Maximum discharge, 8,850 cfs Feb. 25, 1969 (gage height, 8.17 ft, from floodmark), on basis of slope-area measurement of peak flow; no flow for most of time in each year.
Flood of Mar. 2, 1938, 14,900 cfs, by slope-area measurement at site 3 miles upstream.

REMARKS.--Records fair except those for water year 1969, which are poor. No gage-height record Feb. 24 to June 5, 1969. Flow regulated by Lake Elsinore and several storage reservoirs. Many diversions for irrigation. Prior to July 22, 1968, effluent from city of Corona disposal plant was released to creek at site 0.5 mile upstream. Water-quality records for the water years 1968-70 are published in reports of the Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, DECEMBER 1967 TO SEPTEMBER 1968

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 3.2 | 3.0 | 2.8 | 14 | 4.0 | 3.0 | 3.4 | 0 | 0 |
| 2 | | | | 3.2 | 3.0 | 2.8 | 10 | 4.0 | 3.0 | 3.4 | 0 | .10 |
| 3 | | | | 3.2 | 3.0 | 2.8 | 2.8 | 4.0 | 3.0 | 3.4 | 0 | 0 |
| 4 | | | | 3.2 | 3.2 | 2.8 | 2.8 | 4.0 | 3.0 | 3.4 | 0 | .20 |
| 5 | | | | 3.2 | 3.4 | 2.6 | 2.8 | 4.0 | 3.0 | 3.4 | .20 | .10 |
| 6 | | | | 3.2 | 3.7 | 2.6 | 2.8 | 4.0 | 2.8 | 3.4 | 0 | 0 |
| 7 | | | | 3.2 | 3.7 | 7.2 | 3.0 | 4.0 | 3.0 | 3.4 | .10 | 0 |
| 8 | | | | 3.2 | 3.4 | 221 | 3.0 | 3.7 | 3.0 | 3.4 | .10 | 0 |
| 9 | | | | 2.8 | 3.2 | 3.4 | 3.4 | 3.7 | 3.0 | 3.4 | 0 | 0 |
| 10 | | | | 3.2 | 4.0 | 2.4 | 4.0 | 3.7 | 3.0 | 3.4 | 0 | 0 |
| 11 | | | | 3.0 | 3.8 | 2.4 | 3.4 | 4.0 | 3.2 | 3.4 | 0 | 0 |
| 12 | | | | 2.8 | 3.7 | 2.4 | 3.7 | 4.0 | 3.2 | 3.4 | 0 | 0 |
| 13 | | | | 2.6 | 4.0 | 2.4 | 3.4 | 3.7 | 3.2 | 3.4 | .10 | 0 |
| 14 | | | 2.4 | 2.6 | 3.7 | 2.4 | 3.2 | 3.7 | 3.2 | 3.4 | .10 | 0 |
| 15 | | | 2.4 | 2.8 | 3.7 | 2.4 | 3.0 | 3.7 | 3.2 | 3.4 | 0 | 0 |
| 16 | | | 2.4 | 2.6 | 3.7 | 2.6 | 3.0 | 3.7 | 3.2 | 3.4 | 0 | 0 |
| 17 | | | 2.6 | 2.6 | 3.4 | 2.6 | 3.0 | 3.4 | 3.2 | 3.4 | .10 | 0 |
| 18 | | | 36 | 2.8 | 3.4 | 2.8 | 3.2 | 3.2 | 3.4 | 3.2 | .10 | 0 |
| 19 | | | 45 | 2.8 | 3.4 | 2.8 | 3.4 | 3.0 | 3.4 | 3.2 | .20 | 0 |
| 20 | | | 4.3 | 2.8 | 3.4 | 2.8 | 3.4 | 3.4 | 3.2 | 3.2 | .10 | 0 |
| 21 | | | 2.8 | 2.8 | 3.2 | 2.8 | 3.7 | 2.8 | 3.2 | 3.2 | 0 | 0 |
| 22 | | | 2.8 | 2.6 | 3.2 | 2.6 | 3.7 | 3.0 | 3.2 | 1.7 | 0 | 0 |
| 23 | | | 2.8 | 2.6 | 3.2 | 2.4 | 4.0 | 3.0 | 3.2 | .30 | .10 | .10 |
| 24 | | | 2.8 | 3.0 | 3.2 | 2.4 | 3.7 | 3.0 | 3.7 | .30 | 0 | 0 |
| 25 | | | 2.8 | 3.7 | 3.2 | 2.4 | 3.7 | 3.2 | 3.4 | .10 | 0 | 0 |
| 26 | | | 2.6 | 3.7 | 3.0 | 2.4 | 3.7 | 3.2 | 3.4 | 0 | 0 | 0 |
| 27 | | | 2.8 | 10 | 3.0 | 2.6 | 3.7 | 3.2 | 3.4 | 0 | 0 | 0 |
| 28 | | | 3.0 | 3.7 | 3.0 | 2.8 | 3.7 | 3.0 | 3.2 | .10 | 0 | 0 |
| 29 | | | 3.0 | 3.2 | 3.0 | 3.2 | 4.0 | 3.0 | 3.0 | 0 | 0 | 0 |
| 30 | | | 3.2 | 3.2 | ------ | 3.7 | 4.0 | 3.0 | 3.7 | 0 | 0 | 0 |
| 31 | | ------ | 3.2 | 3.7 | ------ | 2.2 | ------ | 3.0 | ------ | 0 | 0 | ------ |
| TOTAL | | | | 101.2 | 97.8 | 305.5 | 119.2 | 108.3 | 95.6 | 73.10 | 1.20 | .50 |
| MEAN | | | | 3.26 | 3.37 | 9.85 | 3.97 | 3.49 | 3.19 | 2.36 | .039 | .017 |
| MAX | | | | 10 | 4.0 | 221 | 14 | 4.0 | 3.7 | 3.4 | .20 | .20 |
| MIN | | | | 2.6 | 3.0 | 2.2 | 2.8 | 2.8 | 2.8 | 0 | 0 | 0 |
| AC-FT | | | | 201 | 194 | 606 | 236 | 215 | 190 | 145 | 2.4 | 1.0 |

11075800 SANTIAGO CREEK AT MODJESKA, CALIF.--CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1968 TO SEPTEMBER 1969

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 24 | 150 | 25 | 11 | 6.3 | 3.9 | 1.3 | .48 |
| 2 | | | | 0 | 30 | 100 | 25 | 11 | 6.2 | 3.8 | 1.2 | .47 |
| 3 | | | | 0 | 27 | 93 | 25 | 11 | 6.1 | 3.6 | 1.2 | .46 |
| 4 | | | | 0 | 30 | 87 | 25 | 11 | 6.0 | 3.5 | 1.1 | .45 |
| 5 | | | | 0 | 29 | 80 | 25 | 10 | 5.9 | 3.4 | 1.1 | .43 |
| 6 | | | | 0 | 218 | 75 | 24 | 10 | 5.8 | 3.3 | 1.1 | .41 |
| 7 | | | | 0 | 151 | 71 | 24 | 10 | 5.7 | 3.1 | 1.0 | .40 |
| 8 | | | | 0 | 93 | 67 | 23 | 9.8 | 5.6 | 3.0 | 1.0 | .40 |
| 9 | | | | 0 | 64 | 63 | 21 | 9.7 | 5.5 | 2.9 | .97 | .40 |
| 10 | | | | 0 | 69 | 59 | 20 | 9.5 | 5.4 | 2.8 | .94 | .39 |
| 11 | | | | 0 | 60 | 56 | 18 | 9.4 | 5.3 | 2.7 | .90 | .38 |
| 12 | | | | 0 | 48 | 53 | 17 | 9.2 | 5.2 | 2.6 | .88 | .38 |
| 13 | | | | .10 | 45 | 51 | 15 | 9.1 | 5.2 | 2.5 | .85 | .38 |
| 14 | | | | 4.0 | 34 | 49 | 14 | 9.0 | 5.1 | 2.4 | .83 | .38 |
| 15 | | | | 3.7 | 33 | 48 | 13 | 8.7 | 5.0 | 2.3 | .80 | .38 |
| 16 | | | | 2.1 | 30 | 46 | 13 | 8.6 | 4.9 | 2.2 | .78 | .37 |
| 17 | | | | 1.5 | 22 | 45 | 13 | 8.4 | 4.9 | 2.1 | .76 | .37 |
| 18 | | | | 1.3 | 32 | 43 | 13 | 8.2 | 4.8 | 2.0 | .73 | .37 |
| 19 | | | | 3.1 | 37 | 42 | 13 | 8.0 | 4.7 | 1.9 | .71 | .37 |
| 20 | | | | 25 | 40 | 40 | 13 | 7.9 | 4.6 | 1.8 | .69 | .37 |
| 21 | | | | 573 | 36 | 39 | 13 | 7.8 | 4.5 | 1.8 | .67 | .37 |
| 22 | | | | 133 | 47 | 37 | 12 | 7.7 | 4.5 | 1.7 | .65 | .37 |
| 23 | | | | 70 | 821 | 35 | 12 | 7.6 | 4.4 | 1.7 | .63 | .38 |
| 24 | | | | 442 | 3,590 | 34 | 12 | 7.4 | 4.3 | 1.6 | .61 | .39 |
| 25 | | | | 3,410 | 3,230 | 33 | 12 | 7.2 | 4.2 | 1.6 | .59 | .39 |
| 26 | | | | 743 | 837 | 31 | 12 | 7.1 | 4.2 | 1.5 | .58 | .40 |
| 27 | | | | 330 | 569 | 29 | 12 | 7.0 | 4.1 | 1.5 | .56 | .41 |
| 28 | | | | 166 | 271 | 28 | 11 | 6.8 | 4.0 | 1.5 | .54 | .42 |
| 29 | | | | 129 | ------ | 27 | 11 | 6.7 | 4.0 | 1.4 | .53 | .43 |
| 30 | | | | 57 | ------ | 26 | 11 | 6.6 | 4.0 | 1.4 | .52 | .45 |
| 31 | | ------ | | 17 | ------ | 26 | ------ | 6.4 | ------ | 1.3 | .50 | ------ |
| TOTAL | 0 | 0 | 0 | 6,110.80 | 10,517 | 1,663 | 497 | 267.8 | 150.4 | 72.8 | 25.22 | 12.05 |
| MEAN | 0 | 0 | 0 | 197 | 376 | 53.6 | 16.6 | 8.64 | 5.01 | 2.35 | .81 | .40 |
| MAX | 0 | 0 | 0 | 3,410 | 3,590 | 150 | 25 | 11 | 6.3 | 3.9 | 1.3 | .48 |
| MIN | 0 | 0 | 0 | 0 | 22 | 26 | 11 | 6.4 | 4.0 | 1.3 | .50 | .37 |
| AC-FT | 0 | 0 | 0 | 12,120 | 20,860 | 3,300 | 986 | 531 | 298 | 144 | 50 | 24 |

CAL YR 1968 TOTAL 388.94 MEAN 1.06 MAX 59 MIN 0 AC-FT 771
WTR YR 1969 TOTAL 19,316.07 MEAN 52.9 MAX 3,590 MIN 0 AC-FT 38,310

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .60 | 1.9 | .86 | 1.0 | 1.1 | 35 | 1.5 | 1.1 | .66 | .14 | .02 | .01 |
| 2 | .50 | 1.4 | .78 | 1.0 | 1.1 | 53 | 1.4 | 1.1 | .60 | .13 | .02 | .01 |
| 3 | .50 | 1.4 | .78 | 1.0 | 1.3 | 19 | 1.5 | 1.0 | .55 | .12 | .02 | .01 |
| 4 | .55 | 1.5 | .78 | 1.0 | 1.3 | 18 | 1.4 | .96 | .55 | .11 | .02 | .01 |
| 5 | .59 | 1.2 | .78 | 1.0 | 1.3 | 44 | 1.1 | .91 | .50 | .10 | .02 | .01 |
| 6 | .28 | 1.2 | .78 | 1.0 | 1.3 | 19 | 1.2 | .95 | .50 | .09 | .02 | .01 |
| 7 | .31 | 8.0 | .78 | .88 | 1.2 | 13 | 1.3 | 1.1 | .55 | .08 | .02 | .01 |
| 8 | .29 | 2.0 | .79 | .88 | 1.1 | 10 | 1.5 | .99 | .55 | .07 | .02 | .01 |
| 9 | .31 | 1.4 | .88 | .89 | 1.1 | 7.9 | 1.5 | .92 | .55 | .06 | .02 | .01 |
| 10 | .33 | 1.5 | .88 | 1.1 | 3.6 | 7.3 | 1.5 | .86 | .55 | .06 | .01 | .01 |
| 11 | .49 | 1.4 | .88 | 1.3 | 5.9 | 6.1 | 1.5 | .86 | .52 | .05 | .01 | .01 |
| 12 | .78 | 1.1 | .88 | 1.3 | 3.7 | 5.3 | 1.4 | .94 | .50 | .05 | .01 | .01 |
| 13 | .79 | 1.0 | .88 | 1.5 | 3.5 | 4.4 | 1.5 | .86 | .48 | .05 | .01 | .01 |
| 14 | .81 | 1.0 | .88 | 1.5 | 3.0 | 3.9 | 1.5 | .86 | .45 | .04 | .01 | .01 |
| 15 | .88 | 1.0 | .88 | 1.6 | 3.0 | 3.6 | 1.4 | .79 | .43 | .04 | .01 | .01 |
| 16 | .90 | 1.1 | .88 | 2.6 | 2.8 | 3.0 | 1.4 | .79 | .40 | .04 | .01 | .01 |
| 17 | 1.1 | 1.1 | .88 | 3.4 | 2.7 | 2.8 | 1.5 | .86 | .38 | .04 | .01 | .01 |
| 18 | 1.1 | .88 | .88 | 2.4 | 2.4 | 2.7 | 1.4 | .86 | .36 | .03 | .01 | .01 |
| 19 | 1.4 | .88 | .88 | 2.0 | 2.3 | 2.6 | 1.3 | .86 | .34 | .03 | .01 | .01 |
| 20 | 1.5 | .88 | .88 | 1.9 | 2.2 | 2.4 | 1.4 | .86 | .32 | .03 | .01 | .01 |
| 21 | 1.6 | .88 | .88 | 1.9 | 2.0 | 2.2 | 1.4 | .79 | .30 | .03 | .01 | .01 |
| 22 | 1.7 | .88 | .88 | 1.9 | 2.3 | 2.0 | 1.3 | .79 | .28 | .03 | .01 | .01 |
| 23 | 1.7 | .88 | .88 | 1.8 | 2.2 | 1.6 | 1.3 | .79 | .26 | .02 | .01 | .01 |
| 24 | 1.9 | .88 | .88 | 1.6 | 1.8 | 2.0 | 1.2 | .72 | .24 | .02 | .01 | .01 |
| 25 | 2.0 | .88 | .88 | 1.6 | 2.1 | 2.0 | 1.2 | .66 | .22 | .02 | .01 | .01 |
| 26 | 1.7 | .88 | .88 | 1.6 | 2.2 | 1.8 | 1.2 | .86 | .20 | .02 | .01 | .01 |
| 27 | 1.6 | .84 | .88 | 1.5 | 2.3 | 1.7 | 1.3 | 1.0 | .19 | .02 | .01 | .01 |
| 28 | 1.7 | .78 | .72 | 1.3 | 7.0 | 1.7 | 1.3 | .94 | .18 | .02 | .01 | .01 |
| 29 | 2.0 | .78 | .98 | 1.3 | ------ | 1.6 | 1.3 | .86 | .17 | .02 | .01 | .01 |
| 30 | 1.7 | .78 | 1.1 | 1.3 | ------ | 1.6 | 1.2 | .72 | .15 | .02 | .01 | .01 |
| 31 | 2.1 | ------ | 1.1 | 1.2 | ------ | 1.5 | ------ | .72 | ------ | .02 | .01 | ------ |
| TOTAL | 33.71 | 40.30 | 26.95 | 46.25 | 67.8 | 282.7 | 40.9 | 27.28 | 11.93 | 1.60 | .40 | .30 |
| MEAN | 1.09 | 1.34 | .87 | 1.49 | 2.42 | 9.12 | 1.36 | .88 | .40 | .052 | .013 | .010 |
| MAX | 2.1 | 8.0 | 1.1 | 3.4 | 7.0 | 53 | 1.5 | 1.1 | .66 | .14 | .02 | .01 |
| MIN | .28 | .78 | .72 | .88 | 1.1 | 1.5 | 1.1 | .66 | .15 | .02 | .01 | .01 |
| AC-FT | 67 | 80 | 53 | 92 | 134 | 561 | 81 | 54 | 24 | 3.2 | .8 | .6 |

CAL YR 1969 TOTAL 19,417.03 MEAN 53.2 MAX 3,590 MIN 0 AC-FT 38,510
WTR YR 1970 TOTAL 580.12 MEAN 1.59 MAX 53 MIN .01 AC-FT 1,150

## 11076000 SANTIAGO CREEK AT SANTIAGO DAM, NEAR VILLA PARK, CALIF.

LOCATION.--Lat 33°47'10", long 117°43'33", near west corner of lot 70 of Lomas de Santiago Grant, Orange County, on upstream face near left end of Santiago Dam, 0.3 mile upstream from Fremont Canyon and 5.7 miles southeast of Villa Park.
DRAINAGE AREA.--63.1 sq mi.
PERIOD OF RECORD.--October 1931 to September 1960, October 1961 to September 1970 (discontinued).
GAGE.--Nonrecording gage. Datum of gage is at mean sea level.
AVERAGE DISCHARGE.--38 years, 18.3 cfs (13,220 acre-ft per year); median of yearly mean discharges, 10 cfs (7,500 acre-ft per year).
REMARKS.--Records of total inflow represent all water reaching Santiago Reservoir, including precipitation on the reservoir and supplemental Colorado River water delivered through aqueduct of Metropolitan Water District of Southern California. Total inflow computed on basis of records of storage, release (draft), spill, leakage, and evaporation. Monthly evaporation from lake surface computed on basis of evaporation from class A pan using coefficient of 0.80. Records of net inflow exclude supplemental water from Colorado River. Dam was completed in December 1931. Area and capacity tables for the reservoir are dated December 1930. Capacity of reservoir at spillway level (gage height, 790.0 ft), 25,000 acre-ft. At times flashboards installed on spillway to increase storage. Dead storage below lowest outlet included in these records. Minor diversions in basin above this reservoir. See schematic diagram of Santa Ana River basin elsewhere in this report.
COOPERATION.--Reservoir operation records and related data furnished by Serrano and Carpenter Irrigation Districts and Irvine Co. Spill, in acre-feet, furnished by Orange County Flood Control District.
REVISIONS (WATER YEARS).--WSP 1121: 1932-36, 1938 (flood data). WSP 1928: Drainage area.

MONTHLY NET INFLOW, WATER YEARS OCTOBER 1965 TO SEPTEMBER 1970

| MONTH | ELEVATION (FEET)† | CONTENTS (ACRE-FEET) | CHANGE IN CONTENTS (ACRE-FEET) | DRAFT (ACRE-FEET) | EVAPORATION (ACRE-FEET) | SPILL, WASTE, AND LEAKAGE (ACRE-FEET) | TOTAL INFLOW (ACRE-FEET) | COLORADO RIVER WATER IMPORTED (ACRE-FEET) | NET INFLOW (ACRE-FEET) |
|---|---|---|---|---|---|---|---|---|---|
| | SANTIAGO RESERVOIR | | | | | | | | |
| OCTOBER 1965 | 737.5 | 4,180 | -1,293 | 2,081 | 157 | 0 | 945 | 659 | 286 |
| NOVEMBER | 749.0 | 6,940 | +2,760 | 734 | 64 | 0 | 3,558 | 0 | 3,558 |
| DECEMBER | 759.3 | 10,233 | +3,293 | 6 | 80 | 0 | 3,379 | 0 | 3,379 |
| CAL YR 1965 | - | - | +5,806 | 21,176 | 1,475 | 0 | 28,457 | 18,955 | 9,502 |
| JANUARY 1966 | 763.5 | 11,802 | +1,569 | 561 | 123 | 0 | 2,253 | 0 | 2,253 |
| FEBRUARY | 765.2 | 12,484 | +682 | 397 | 131 | 0 | 1,210 | 0 | 1,210 |
| MARCH | 763.7 | 11,884 | -600 | 1,422 | 158 | 0 | 980 | 0 | 980 |
| APRIL | 763.6 | 11,843 | -41 | 1,807 | 198 | 0 | 1,964 | 1,573 | 391 |
| MAY | 763.8 | 11,924 | +81 | 2,419 | 183 | 0 | 2,683 | 2,196 | 487 |
| JUNE | 762.8 | 11,525 | -399 | 2,372 | 242 | 0 | 2,215 | 1,788 | 427 |
| JULY | 757.1 | 9,455 | -2,070 | 2,428 | 273 | 0 | 631 | 93 | 538 |
| AUGUST | 751.2 | 7,556 | -1,899 | 2,162 | 232 | 0 | 495 | 90 | 405 |
| SEPTEMBER | 745.0 | 5,900 | -1,656 | 1,954 | 160 | 0 | 458 | 103 | 355 |
| WTR YR 1966 | - | - | +427 | 18,343 | 2,001 | 0 | 20,771 | 6,502 | 14,269 |
| OCTOBER | 741.2 | 4,972 | -928 | 1,715 | 106 | 0 | 893 | 628 | 265 |
| NOVEMBER | 741.6 | 5,076 | +104 | 767 | 47 | 0 | 918 | 796 | 122 |
| DECEMBER | 776.8 | 17,761 | +12,685 | 17 | 72 | 0 | 12,774 | 94 | 12,680 |
| CAL YR 1966 | - | - | +7,528 | 18,021 | 1,925 | 0 | 27,474 | 7,361 | 20,113 |
| JANUARY 1967 | 783.3 | 21,148 | +3,387 | 25 | 119 | 0 | 3,531 | 116 | 3,415 |
| FEBRUARY | 784.8 | 21,988 | +840 | 837 | 178 | 0 | 1,855 | 74 | 1,781 |
| MARCH | 785.7 | 22,499 | +511 | 756 | 155 | 0 | 1,422 | 113 | 1,309 |
| APRIL | 789.8 | 24,885 | +2,386 | 249 | 159 | 0 | 2,794 | 116 | 2,678 |
| MAY | 791.0 | 25,595 | +710 | 652 | 260 | 0 | 1,622 | 128 | 1,494 |
| JUNE | 788.9 | 24,366 | -1,229 | 1,996 | 241 | 0 | 1,008 | 92 | 916 |
| JULY | 786.3 | 22,844 | -1,522 | 1,908 | 351 | 0 | 737 | 125 | 612 |
| AUGUST | 785.3 | 21,260 | -1,584 | 1,878 | 357 | 0 | 651 | 135 | 516 |
| SEPTEMBER | 781.2 | 20,007 | -1,253 | 1,583 | 207 | 0 | 537 | 104 | 433 |
| WTR YR 1967 | - | - | +14,107 | 12,383 | 2,252 | 0 | 28,742 | 2,521 | 26,221 |
| OCTOBER | 779.1 | 18,916 | -1,091 | 1,291 | 281 | 0 | 481 | 128 | 353 |
| NOVEMBER | 777.9 | 18,310 | -606 | 1,037 | 124 | 0 | 555 | 78 | 477 |
| DECEMBER | 777.6 | 18,160 | -150 | 479 | 132 | 0 | 461 | 68 | 393 |
| CAL YR 1967 | - | - | +399 | 12,691 | 2,564 | 0 | 15,654 | 1,277 | 14,377 |
| JANUARY 1968 | 776.1 | 17,414 | -746 | 994 | 138 | 0 | 386 | 62 | 324 |
| FEBRUARY | 773.9 | 16,363 | -1,051 | 1,285 | 99 | 0 | 333 | 77 | 256 |
| MARCH | 774.2 | 16,503 | +140 | 752 | 184 | 0 | 1,076 | 64 | 1,012 |
| APRIL | 771.8 | 15,401 | -1,102 | 1,502 | 216 | 0 | 616 | 96 | 520 |
| MAY | 767.7 | 13,563 | -1,838 | 2,293 | 215 | 0 | 670 | 119 | 551 |
| JUNE | 767.8 | 13,607 | +44 | 2,480 | 236 | 0 | 2,760 | 2,218 | 542 |
| JULY | 768.5 | 13,918 | +311 | 2,619 | 266 | 0 | 3,196 | 2,671 | 325 |
| AUGUST | 764.8 | 12,321 | -1,597 | 1,736 | 259 | 0 | 398 | 123 | 275 |
| SEPTEMBER | 761.1 | 10,888 | -1,433 | 2,011 | 197 | 0 | 775 | 495 | 280 |
| WTR YR 1968 | - | - | -9,119 | 18,479 | 2,347 | 0 | 11,707 | 6,399 | 5,308 |
| OCTOBER | 760.1 | 10,500 | -400 | 2,086 | 144 | 0 | 1,830 | 1,720 | 110 |
| NOVEMBER | 758.9 | 10,100 | -400 | 1,263 | 119 | 0 | 982 | 898 | 84 |
| DECEMBER | 758.5 | 9,950 | -150 | 1,171 | 91 | 0 | 1,112 | 932 | 180 |
| CAL YR 1968 | - | - | -8,250 | 20,194 | 2,164 | 0 | 14,134 | 9,675 | 4,449 |
| JANUARY 1969 | 790.0 | 25,000 | +15,050 | 847 | 158 | 780 | 16,835 | 792 | 16,043 |
| FEBRUARY | 790.0 | 25,000 | 0 | 1 | 94 | 44,600 | 44,695 | 0 | 44,695 |
| MARCH | 790.0 | 25,000 | 0 | 6 | 208 | 12,000 | 12,214 | 0 | 12,214 |
| APRIL | 794.0 | 27,400 | +2,400 | 3 | 232 | 0 | 2,635 | 0 | 2,635 |
| MAY | 793.6 | 27,200 | -200 | 350 | 239 | 0 | 389 | 0 | 389 |
| JUNE | 791.8 | 26,100 | -1,100 | 1,921 | 187 | 0 | 1,008 | 0 | 1,008 |
| JULY | 788.8 | 24,300 | -1,800 | 2,042 | 336 | 0 | 578 | 90 | 488 |
| AUGUST | 786.0 | 22,700 | -1,600 | 1,839 | 386 | 0 | 625 | 54 | 571 |
| SEPTEMBER | 783.1 | 21,000 | -1,700 | 1,840 | 252 | 0 | 392 | 53 | 339 |
| WTR YR 1969 | - | - | +10,100 | 13,369 | 2,446 | 57,380 | 83,295 | 4,539 | 78,756 |
| OCTOBER | 779.2 | 19,000 | -2,000 | 2,304 | 262 | 0 | 566 | 63 | 503 |
| NOVEMBER | 777.1 | 17,900 | -1,100 | 1,729 | 191 | 0 | 820 | 49 | 771 |
| DECEMBER | 776.3 | 17,500 | -400 | 515 | 108 | 0 | 223 | 45 | 178 |
| CAL YR 1969 | - | - | +7,550 | 13,397 | 2,653 | 57,380 | 80,984 | 1,146 | 79,834 |
| JANUARY 1970 | 775.9 | 17,300 | -200 | 353 | 99 | 0 | 252 | 36 | 216 |
| FEBRUARY | 775.3 | 17,000 | -300 | 707 | 156 | 0 | 563 | 30 | 533 |
| MARCH | 776.6 | 17,700 | +700 | 460 | 230 | 0 | 1,390 | 38 | 1,352 |
| APRIL | 773.2 | 16,100 | -1,600 | 2,266 | 230 | 0 | 896 | 97 | 799 |
| MAY | 773.8 | 16,300 | +200 | 3,528 | 259 | 0 | 3,987 | 3,251 | 736 |
| JUNE | 776.6 | 17,700 | +1,400 | 3,186 | 254 | 0 | 4,840 | 4,252 | 588 |
| JULY | 771.1 | 15,100 | -2,600 | 2,792 | 295 | 0 | 487 | 126 | 361 |
| AUGUST | 763.8 | 11,900 | -3,200 | 3,522 | 277 | 0 | 599 | 207 | 392 |
| SEPTEMBER | 757.7 | 9,660 | -2,240 | 2,504 | 219 | 0 | 483 | 176 | 307 |
| WTR YR 1970 | - | - | -11,340 | 23,866 | 2,580 | 0 | 15,106 | 8,370 | 6,736 |

† ELEVATION AT 1700 HOURS.
NOTE.--FOR MONTHS WHEN INFLOW TO THE RESERVOIR WAS SMALL AND OTHER QUANTITIES WERE LARGE, DISCORDANT FIGURES OF NET INFLOW MAY APPEAR. THIS ARISES PRIMARILY FROM THE DIFFICULTY OF COMPUTING NET INFLOW AS THE RESIDUAL OF SEVERAL LARGER QUANTITIES, WHICH ARE NOT SUSCEPTIBLE TO MEASUREMENT WITH A PRECISION NECESSARY TO PRODUCE A FINAL ANSWER WITHIN DESIRABLE LIMITS OF ACCURACY.

## 11102250 MISSION CREEK BELOW WHITTIER NARROWS DAM, CALIF.

LOCATION.--Lat 34°01'15", long 118°04'15", near north boundary of Paso de Bartolo Grant, Los Angeles County, on left bank about 500 ft downstream from axis of Whittier Narrows Dam and 1.4 miles north of Pico.

PERIOD OF RECORD.--December 1955 to September 1970 (discontinued).

GAGE.--Water-stage recorder and Parshall flume. Datum of gage is 187.1 ft above mean sea level (Corps of Engineers Survey).

EXTREMES.--Maximum and minimum discharges, in cubic feet per second, for the water years 1966-70 are contained in the following table:

| | Maximum daily | | Minimum daily | |
|---|---|---|---|---|
| Wtr yr | Date | Discharge | Date | Discharge |
| 1966 | Mar. 27, 1966 | 6.3 | Most of time | 0 |
| 1967 | Dec. 4, 1966 | 5.4 | Many days | 0 |
| 1968 | July 2, 1968 | 3.3 | do. | 0 |
| 1969 | Jan. 12, 15, 1969 | 2.9 | Mar. 12 to Sept.30, 1969 | 0 |
| 1970 | (a) | - | Entire year | 0 |

a No flow for entire year.

Period of record: Maximum daily discharge, 18 cfs Jan. 6, 1959; no flow for many days in most years.

REMARKS.--No flow since Mar. 11, 1969. Flow is almost entirely from ground-water seepage. Flow regulated or diverted at Whittier Narrows Dam. See schematic diagram of San Gabriel and Los Angeles River basins elsewhere in this report.

COOPERATION.--Forty-seven discharge measurements furnished by Los Angeles County Flood Control District.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1965 TO SEPTEMBER 1966

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | .20 | | | | | .30 |
| 2 | | | | | | 0 | .30 | | | | | .60 |
| 3 | | | | | | 0 | .30 | | | | | .20 |
| 4 | | | | | | 0 | .20 | | | | | .20 |
| 5 | | | | | | 0 | .20 | | | | | .30 |
| 6 | | | | | | 0 | .20 | | | | | .40 |
| 7 | | | | | | 0 | .40 | | | | | .50 |
| 8 | | | | | | 0 | .30 | | | | | .50 |
| 9 | | | | | | .30 | .20 | | | | | .50 |
| 10 | | | | | | .30 | .20 | | | | | .50 |
| 11 | | | | | | .20 | .40 | | | | | .40 |
| 12 | | | | | | .20 | .20 | | | | | .40 |
| 13 | | | | | | .80 | .20 | | | | | .30 |
| 14 | | | | | | .20 | 0 | | | | | .30 |
| 15 | | | | | | .10 | 0 | | | | | .30 |
| 16 | | | | | | 0 | .10 | | | | | 1.5 |
| 17 | | | | | | 0 | .10 | | | | | 2.7 |
| 18 | | | | | | 0 | .10 | | | | | .50 |
| 19 | | | | | | 0 | .10 | | | | | .50 |
| 20 | | | | | | 0 | .10 | | | | | .40 |
| 21 | | | | | | 0 | .10 | | | | | .40 |
| 22 | | | | | | 0 | .10 | | | | | .40 |
| 23 | | | | | | 0 | .10 | | | | | .40 |
| 24 | | | | | | 0 | 0 | | | | | .40 |
| 25 | | | | | | .20 | 0 | | | | | .40 |
| 26 | | | | | | 2.2 | 0 | | | | | .40 |
| 27 | | | | | | 6.3 | 0 | | | | | .40 |
| 28 | | | | | | .70 | 0 | | | | | .40 |
| 29 | | | | | ------ | .50 | 0 | | | | | .40 |
| 30 | | | | | ------ | .50 | 0 | | | | | .40 |
| 31 | | ------ | | | ------ | .30 | ------ | | ------ | | | ------ |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 12.80 | 4.10 | 0 | 0 | 0 | 0 | 15.30 |
| MEAN | 0 | 0 | 0 | 0 | 0 | .41 | .14 | 0 | 0 | 0 | 0 | .51 |
| MAX | 0 | 0 | 0 | 0 | 0 | 6.3 | .40 | 0 | 0 | 0 | 0 | 2.7 |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .20 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 25 | 8.1 | 0 | 0 | 0 | 0 | 30 |

CAL YR 1965 TOTAL 9.90 MEAN .027 MAX 7.2 MIN 0 AC-FT 20
WTR YR 1966 TOTAL 32.20 MEAN .088 MAX 6.3 MIN 0 AC-FT 64

11102250 MISSION CREEK BELOW WHITTIER NARROWS DAM, CALIF.--CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1966 TO SEPTEMBER 1967

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .40 | 0 | 0 | .50 | 1.2 | 1.4 | .90 | 1.1 | 1.2 | 1.4 | 0 | 2.2 |
| 2 | .40 | 0 | 0 | .50 | 1.2 | 1.6 | .90 | 1.3 | 1.2 | 1.4 | 1.0 | 2.3 |
| 3 | .40 | 0 | 4.3 | .50 | 1.2 | 1.6 | .90 | 1.4 | 1.2 | 1.2 | 1.8 | 2.0 |
| 4 | .30 | 0 | 5.4 | .40 | 1.2 | 1.6 | .90 | 1.5 | 1.2 | 1.1 | 1.8 | 1.9 |
| 5 | .20 | 0 | .60 | .40 | 1.9 | 1.6 | .90 | 1.5 | 1.2 | 1.1 | 1.8 | 2.2 |
| 6 | .10 | 0 | 1.7 | .40 | 1.7 | 1.6 | .90 | 1.5 | 1.3 | 1.2 | 1.8 | 2.0 |
| 7 | 0 | .20 | 1.7 | .40 | 1.2 | 1.6 | 1.0 | 1.5 | 1.5 | 1.2 | 1.8 | 1.9 |
| 8 | 0 | .20 | 1.5 | .40 | 1.2 | 1.6 | 1.0 | 1.5 | 1.5 | 1.2 | 1.9 | 1.8 |
| 9 | 0 | 0 | 1.4 | .40 | 1.2 | 1.6 | 1.1 | 1.5 | 1.5 | 1.2 | 1.9 | 1.7 |
| 10 | 0 | 0 | 1.4 | .40 | 1.2 | 1.6 | 1.2 | 1.5 | 1.5 | 1.3 | 1.9 | 1.8 |
| 11 | 0 | 0 | 1.3 | .40 | 1.2 | 1.6 | 1.1 | 1.5 | 1.5 | 1.3 | 1.8 | 1.8 |
| 12 | 0 | 0 | 1.1 | .40 | 1.2 | 1.5 | 1.1 | 1.5 | 1.5 | 1.3 | 1.7 | 1.9 |
| 13 | 0 | 0 | 1.0 | .40 | 2.2 | 1.4 | 1.1 | 1.5 | 1.5 | 1.3 | 1.7 | 1.9 |
| 14 | 0 | 0 | .90 | .40 | 2.1 | 1.3 | 1.1 | 1.6 | 1.5 | 1.3 | 1.8 | 1.9 |
| 15 | 0 | 0 | .80 | .40 | 1.2 | 1.3 | 1.0 | 1.6 | 1.4 | 1.3 | 1.9 | 1.9 |
| 16 | 0 | 0 | .70 | .40 | 1.2 | 1.3 | .90 | 1.6 | 1.4 | 1.3 | 1.9 | 1.9 |
| 17 | 0 | 0 | .60 | .40 | 1.2 | 1.3 | 1.1 | 1.7 | 1.4 | 1.3 | 1.8 | 1.9 |
| 18 | 0 | 0 | .60 | .40 | 1.1 | 1.3 | 1.1 | 1.4 | 1.0 | 1.1 | 1.7 | 1.9 |
| 19 | 0 | 0 | .60 | .50 | 1.1 | 1.3 | 1.0 | 1.3 | .90 | 1.1 | 1.6 | 1.9 |
| 20 | 0 | 0 | .60 | .50 | 1.1 | 1.3 | 1.0 | 1.2 | 1.2 | .40 | 1.6 | 2.0 |
| 21 | 0 | 0 | .60 | .50 | 1.1 | 1.3 | 1.0 | 1.2 | 1.3 | 0 | 1.6 | 2.0 |
| 22 | 0 | 0 | .60 | .70 | 2.4 | 1.3 | 1.0 | 1.2 | 1.3 | 0 | 1.7 | 1.9 |
| 23 | 0 | 0 | .60 | 1.2 | 1.9 | 1.3 | 1.0 | 1.2 | 1.3 | 0 | 1.8 | 1.9 |
| 24 | 0 | 0 | .60 | 2.1 | 1.0 | 1.3 | 1.0 | 1.3 | 1.3 | 0 | 1.8 | 1.9 |
| 25 | 0 | 0 | .60 | 1.5 | 1.0 | 1.2 | 1.0 | 1.3 | 1.3 | 0 | 1.8 | 1.9 |
| 26 | 0 | .10 | .60 | 1.2 | 1.1 | 1.1 | 1.1 | 1.3 | 1.3 | 0 | 1.8 | 1.8 |
| 27 | 0 | 0 | .60 | 1.2 | 1.1 | 1.1 | 1.3 | 1.3 | 1.3 | 0 | 1.9 | 1.8 |
| 28 | 0 | 0 | .60 | 1.2 | 1.1 | 1.1 | 1.3 | 1.3 | 1.3 | 0 | 2.0 | 1.8 |
| 29 | 0 | 0 | .70 | 1.2 | ------ | 1.1 | 1.2 | 1.3 | 1.3 | 0 | 2.0 | 1.8 |
| 30 | 0 | 0 | .70 | 1.2 | ------ | 1.1 | 1.1 | 1.2 | 1.3 | 0 | 2.3 | 1.8 |
| 31 | 0 | ------ | .60 | 1.2 | ------ | .90 | ------ | 1.1 | ------ | 0 | 2.3 | ------ |
| TOTAL | 1.80 | .50 | 33.00 | 21.70 | 37.5 | 42.20 | 31.20 | 42.9 | 39.60 | 24.00 | 54.2 | 57.4 |
| MEAN | .058 | .017 | 1.06 | .70 | 1.34 | 1.36 | 1.04 | 1.38 | 1.32 | .77 | 1.75 | 1.91 |
| MAX | .40 | .20 | 5.4 | 2.1 | 2.4 | 1.6 | 1.3 | 1.7 | 1.5 | 1.4 | 2.3 | 2.3 |
| MIN | 0 | 0 | 0 | .40 | 1.0 | .90 | .90 | 1.1 | .90 | 0 | 0 | 1.7 |
| AC-FT | 3.6 | 1.0 | 65 | 43 | 74 | 84 | 62 | 85 | 79 | 48 | 108 | 114 |

CAL YR 1966 TOTAL 67.50 MEAN .18 MAX 6.3 MIN 0 AC-FT 134
WTR YR 1967 TOTAL 386.00 MEAN 1.06 MAX 5.4 MIN 0 AC-FT 766

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1967 TO SEPTEMBER 1968

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.7 | 1.4 | 0 | .40 | .20 | .20 | | | 0 | 2.5 | 1.2 | .79 |
| 2 | 1.8 | 1.4 | 0 | .40 | .20 | .20 | | | 0 | 3.3 | 1.3 | .86 |
| 3 | 1.7 | 1.5 | 0 | .40 | .20 | .20 | | | 0 | 2.0 | 1.4 | .80 |
| 4 | 1.7 | 1.5 | 0 | .40 | .30 | .20 | | | 0 | 2.0 | 1.5 | .80 |
| 5 | 1.7 | 1.6 | 0 | .40 | .20 | .10 | | | 0 | 2.0 | 1.6 | 1.2 |
| 6 | 1.6 | 1.6 | .20 | .50 | .20 | .20 | | | .14 | 1.9 | 1.5 | 1.3 |
| 7 | 1.5 | 1.7 | .30 | .50 | .10 | .20 | | | 0 | 1.9 | 1.6 | 1.3 |
| 8 | 1.4 | 1.8 | .20 | .50 | .10 | .70 | | | 0 | 2.1 | 1.6 | 1.3 |
| 9 | 1.3 | 1.7 | .20 | .50 | .20 | .40 | | | 0 | 2.1 | 1.7 | 1.3 |
| 10 | 1.3 | 1.8 | .30 | .50 | .10 | .30 | | | 0 | 2.1 | 1.7 | 1.1 |
| 11 | 1.3 | 1.8 | .40 | .50 | .20 | .30 | | | 0 | 2.0 | 1.8 | .65 |
| 12 | 1.4 | 1.8 | .50 | .50 | .20 | .30 | | | 0 | 1.7 | 1.8 | .70 |
| 13 | 1.5 | 1.8 | .50 | .50 | .20 | .30 | | | 0 | 1.6 | 2.0 | .66 |
| 14 | 1.5 | 1.9 | .40 | .50 | .20 | .30 | | | 0 | 1.4 | 1.9 | .60 |
| 15 | 1.5 | 1.9 | .30 | .40 | .20 | .40 | | | 0 | .91 | 1.9 | .88 |
| 16 | 1.6 | 2.0 | .40 | .30 | .20 | .40 | | | 0 | .43 | 1.9 | 1.5 |
| 17 | 1.6 | 2.0 | .40 | .30 | .40 | .40 | | | .17 | 1.3 | 1.8 | 1.2 |
| 18 | 1.6 | 2.2 | .50 | .30 | .40 | .30 | | | .10 | 1.2 | 1.7 | 1.1 |
| 19 | 1.5 | 1.8 | .40 | .30 | .30 | .20 | | | .04 | 1.6 | 1.7 | 1.5 |
| 20 | 1.5 | 0 | .30 | .30 | .40 | .40 | | | .02 | 1.6 | 1.4 | 2.2 |
| 21 | 1.5 | 0 | .20 | .30 | .40 | 1.2 | | | .01 | 1.7 | 1.3 | 2.4 |
| 22 | 1.3 | 0 | .20 | .30 | .40 | .50 | | | .02 | 1.8 | 1.2 | 2.1 |
| 23 | 1.4 | 0 | .20 | .30 | .20 | .10 | | | .03 | 2.2 | 1.2 | 2.0 |
| 24 | 1.2 | .90 | .20 | .30 | .20 | .10 | | | 0 | 1.9 | 1.1 | 1.8 |
| 25 | 1.2 | 1.7 | .20 | .30 | .20 | .10 | | | 2.9 | 2.1 | .77 | 1.7 |
| 26 | 1.2 | 1.7 | .30 | .20 | .20 | .10 | | | 2.6 | 2.3 | .80 | 1.8 |
| 27 | 1.1 | 1.7 | .30 | .20 | .30 | .10 | | | 1.9 | 2.0 | .77 | 1.9 |
| 28 | 1.2 | 1.5 | .30 | .20 | .30 | .10 | | | 2.5 | 1.7 | .68 | 1.8 |
| 29 | 1.4 | 1.3 | .40 | .20 | .30 | .10 | | | 2.2 | 1.4 | .69 | 1.8 |
| 30 | 1.4 | .60 | .40 | .20 | ------ | .10 | | | 2.0 | 1.5 | .66 | 1.8 |
| 31 | 1.4 | ------ | .40 | .20 | ------ | .20 | ------ | | ------ | 1.4 | .61 | ------ |
| TOTAL | 45.0 | 42.60 | 8.40 | 11.10 | 7.00 | 8.70 | 0 | 0 | 14.63 | 55.64 | 42.78 | 40.84 |
| MEAN | 1.45 | 1.42 | .27 | .36 | .24 | .28 | 0 | 0 | .49 | 1.79 | 1.38 | 1.36 |
| MAX | 1.8 | 2.2 | .50 | .50 | .40 | 1.2 | 0 | 0 | 2.9 | 3.3 | 2.0 | 2.4 |
| MIN | 1.1 | 0 | 0 | .20 | .10 | .10 | 0 | 0 | 0 | .43 | .61 | .60 |
| AC-FT | 89 | 85 | 17 | 22 | 14 | 17 | 0 | 0 | 29 | 110 | 85 | 81 |

CAL YR 1967 TOTAL 446.70 MEAN 1.22 MAX 2.4 MIN 0 AC-FT 886
WTR YR 1968 TOTAL 276.69 MEAN .76 MAX 3.3 MIN 0 AC-FT 549