

Table 1

Area and gross capacity - Tahchevah Creek Detention Reservoir, White-water River basin, Calif.

| <u>Elevation</u>  | <u>Capacity</u>  | <u>Area</u>  | <u>Elevation</u>  | <u>Capacity</u>  | <u>Area</u>  |
|-------------------|------------------|--------------|-------------------|------------------|--------------|
| <u>Feet above</u> |                  |              | <u>Feet above</u> |                  |              |
| <u>mean sea</u>   |                  |              | <u>mean sea</u>   |                  |              |
| <u>level</u>      | <u>Acre-feet</u> | <u>Acres</u> | <u>level</u>      | <u>Acre-feet</u> | <u>Acres</u> |
| 543               | 0                | 0            | 563               | 800              | 55.9         |
| 544               | 3.4              | 11.0         | 564               | 857              | 56.6         |
| 545               | 18               | 25.8         | 565               | 914              | 57.6         |
| 546               | 44               | 30.1         | 566               | 972              | 58.4         |
| 547               | 73               | 32.9         | 567               | 1,030            | 59.4         |
| 548               | 107              | 35.2         | 568               | 1,090            | 60.4         |
| 549               | 140              | 37.1         | 569               | 1,151            | 61.4         |
| 550               | 179              | 38.9         | 570               | 1,213            | 62.3         |
| 551               | 217              | 40.4         | 571               | 1,272            | 63.1         |
| 552               | 259              | 41.7         | 572               | 1,338            | 63.9         |
| 553               | 299              | 43.2         | 573               | 1,401            | 64.6         |
| 554               | 344              | 44.6         | 574               | 1,468            | 65.4         |
| 555               | 391              | 46.0         | 575               | 1,534            | 66.2         |
| 556               | 438              | 47.4         | 576               | 1,602            | 67.1         |
| 557               | 485              | 48.8         | 577               | 1,671            | 68.0         |
| 558               | 537              | 50.1         | 578               | 1,740            | 68.8         |
| 559               | 588              | 51.4         | 579               | 1,809            | 69.8         |
| 560               | 639              | 52.8         | 580               | 1,877            | 70.8         |
| 561               | 691              | 53.9         | 581               | 1,949            | 71.9         |
| 562               | 746              | 54.9         | 582               | 2,019            | 73.1         |
| :                 | :                | ::           | :                 | :                | :            |

Table 2

Summary of climatological data at Palm Springs, Whitewater River Basin,  
Calif.\*

| Month    | Temperature |            |            | Precipitation |         |         |
|----------|-------------|------------|------------|---------------|---------|---------|
|          | Mean        | Record     | Record     | Mean          | Maximum | Minimum |
|          | monthly     | highest    | lowest     | monthly       | monthly | monthly |
|          | Degrees     | Degrees    | Degrees    |               |         |         |
|          | Fahrenheit  | Fahrenheit | Fahrenheit | Inches        | Inches  | Inches  |
| Jan..... | 54.6        | 98         | 18         | 1.08          | 8.43    | 0       |
| Feb..... | 57.9        | 105        | 24         | 1.16          | 10.39   | 0       |
| Mar..... | 63.2        | 105        | 29         | .60           | 3.01    | 0       |
| Apr..... | 70.2        | 110        | 35         | .32           | 3.70    | 0       |
| May..... | 76.2        | 118        | 36         | .03           | .60     | 0       |
| Jun..... | 84.7        | 121        | 48         | .02           | .37     | 0       |
| Jul..... | 91.9        | 122        | 54         | .23           | 2.80    | 0       |
| Aug..... | 99.9        | 121        | 52         | .23           | 2.17    | 0       |
| Sep..... | 84.4        | 121        | 46         | .32           | 4.88    | 0       |
| Oct..... | 74.5        | 110        | 30         | .35           | 2.74    | 0       |
| Nov..... | 63.1        | 102        | 23         | .52           | 6.35    | 0       |
| Dec..... | 55.2        | 93         | 23         | 1.28          | 6.32    | 0       |
| Period   |             |            |            |               |         |         |
| of       | **73.0      | 122        | 18         | **6.14        | 10.39   | 0       |
| record   |             |            |            |               |         |         |

\* Latitude 33°49'N; longitude 116°32'W; elevation 411 feet above mean sea level (see plate 2 for location).

\*\* Mean seasonal.

Note.--Rainfall period of record: 44 years (1922 to 1965, inclusive). Gage was at various locations in the City of Palm Springs during the period. Temperature period of record: 68 years (1894 to 1965, inclusive, except for 1939 through 1941, inclusive, and a few scattered months). Temperatures prior to 1915 were at Palm Springs Junction about 6 miles north of Palm Springs, Calif.