

11414260 Blue Lake near Emigrant Gap, CA

Sacramento River Basin

LOCATION.--Lat 39°21'31", long 120°38'07" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec.9, T.17 N., R.12 E., Nevada County, CA, Hydrologic Unit 18020125, in Tahoe National Forest, on outlet structure on Blue Lake Dam, 0.7 mi upstream from Rucker Lake, and 4.6 mi northeast of Emigrant Gap.

DRAINAGE AREA.--0.27 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1999 to current year. Unpublished records for water years 1966-99 available in the files of the U.S. Geological Survey.

GAGE.--Nonrecording gage observed intermittently during the summer months. Datum of gage is 5,932 ft above NGVD of 1929 (levels by Pacific Gas and Electric Company).

COOPERATION.--Records were collected by Pacific Gas and Electric Company, under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 2310.

REMARKS.--Reservoir is formed by an earth-fill dam completed in 1870, reconstructed in 2000. Usable capacity, 1,163 acre-ft, between gage heights 0.0 ft, invert of outlet valve, and 20.8 ft, crest of spillway. Figures given represent usable contents. Released water is used for hydroelectric power and irrigation downstream.

**Capacity table (gage height, in feet, and contents, in acre-feet)
(Based on survey by Nevada Irrigation District in 1964)
(REVISED)**

| Elevation | Contents | Elevation | Contents | Elevation | Contents |
|-----------|----------|-----------|----------|-----------|----------|
| 0 | 0 | 8 | 410 | 16 | 865 |
| 4 | 199 | 12 | 631 | 20.8 | 1,163 |

11414260 Blue Lake near Emigrant Gap, CA—Continued

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY INSTANTANEOUS VALUES

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | --- | 603 | --- | --- | --- | --- | --- | --- | 519 | 464 | --- | --- |
| 2 | --- | 597 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3 | 841 | --- | --- | --- | --- | --- | --- | 547 | --- | --- | 383 | 293 |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 287 |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 459 | --- | --- |
| 6 | 835 | 541 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 282 |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 367 | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | 519 | --- | --- | --- |
| 9 | 830 | 502 | --- | --- | --- | --- | 525 | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 356 | --- |
| 11 | 824 | --- | --- | --- | --- | --- | --- | --- | --- | 448 | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | 502 | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 267 |
| 14 | 806 | --- | --- | --- | --- | --- | --- | --- | --- | 440 | --- | --- |
| 15 | --- | 426 | --- | --- | --- | --- | --- | --- | --- | --- | 340 | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 335 | --- |
| 17 | 776 | --- | --- | --- | --- | --- | 530 | 536 | --- | 432 | --- | 261 |
| 18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 19 | --- | --- | --- | --- | --- | --- | --- | --- | 491 | --- | --- | --- |
| 20 | --- | 361 | --- | --- | --- | --- | --- | --- | --- | --- | 324 | 256 |
| 21 | --- | --- | --- | --- | --- | --- | 530 | --- | --- | 426 | --- | --- |
| 22 | --- | 335 | --- | --- | --- | --- | --- | 530 | --- | --- | --- | --- |
| 23 | 706 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 308 | --- |
| 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 314 | 251 |
| 25 | --- | --- | --- | --- | --- | --- | --- | --- | 469 | 410 | --- | --- |
| 26 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 251 |
| 27 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 28 | --- | --- | --- | --- | --- | --- | --- | --- | 469 | --- | --- | 246 |
| 29 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 399 | --- | --- |
| 30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 31 | --- | --- | --- | --- | --- | --- | --- | 519 | --- | 399 | 298 | --- |
| Max | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Min | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |