



Water-Data Report 2007

11525400 Trinity Lake near Lewiston, CA

Klamath River Basin

LOCATION.--Lat 40°48'05", long 122°45'44" referenced to North American Datum of 1927, in NW ¼ SW ¼ sec.15, T.34 N., R.8 W., Trinity County, CA, Hydrologic Unit 18010211, Trinity National Forest, Whiskeytown-Shasta-Trinity National Recreation Area, on side of intake structure of Trinity Dam on Trinity River, and 9 mi north of Lewiston.

DRAINAGE AREA.--692 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 1960 to current year. From October 1963 to September 1997 published as "Clair Engle Lake near Lewiston".

GAGE.--Water-stage recorder. Datum of gage is 2,389.95 ft above NGVD of 1929 (levels by U.S. Bureau of Reclamation). Prior to Jan. 4, 1962, nonrecording gage at same site and datum. Contents based on capacity table provided by U.S. Bureau of Reclamation, dated April 1962.

COOPERATION.--Records were provided by U.S. Bureau of Reclamation, not rounded to U.S. Geological Survey standards.

REMARKS.--Lake is formed by an earth-fill dam completed in November 1960. Storage began Nov. 23, 1960. Usable capacity, 2,437,700 acre-ft, between elevations 1,995.5 ft, elevation of invert of river outlets, and 2,370.0 ft, crest of glory hole spillway. Dead storage, 10,000 acre-ft. Operating pool is from elevation 2,145.0 ft, capacity, 312,621 acre-ft, to 2,370.0 ft, capacity, 2,447,700 acre-ft. Figures given represent total contents at 2400 hours. Lake is used for power generation, flood control, and recreation. See schematic diagram of Klamath River and Trinity River Basins available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--(at 2400 hours) Maximum contents, 2,588,000 acre-ft, Jan. 19, 1974, elevation, 2,378.32 ft; minimum since first filling, 222,400 acre-ft, Nov. 9, 1977, elevation, 2,120.22 ft.

EXTREMES FOR CURRENT YEAR.--(at 2400 hours) Maximum contents, 2,070,932 acre-ft, Apr. 28, elevation, 2,345.78 ft; minimum, 1,461,120 acre-ft, Sept. 30, elevation, 2,299.91 ft.

**Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on table provided by U.S. Bureau of Reclamation, dated April 1962)**

Elevation	Contents	Elevation	Contents	Elevation	Contents
2,100	162,231	2,190	529,611	2,310	1,583,586
2,140	292,859	2,250	955,140	2,380	2,616,989

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,788,630	1,756,760	1,748,378	1,785,941	1,800,773	1,902,136	2,031,342	2,058,962	1,951,360	1,846,802	1,685,448	1,550,322
2	1,788,226	1,756,627	1,747,582	1,786,075	1,800,502	1,904,243	2,033,835	2,052,780	1,949,077	1,842,006	1,680,916	1,547,617
3	1,786,882	1,757,160	1,747,052	1,789,840	1,801,043	1,906,349	2,036,767	2,046,303	1,946,366	1,837,900	1,676,384	1,544,797
4	1,785,941	1,756,760	1,746,388	1,793,750	1,801,718	1,908,878	2,039,699	2,041,459	1,943,228	1,832,974	1,672,499	1,541,250
5	1,785,134	1,756,227	1,745,858	1,795,506	1,802,123	1,911,687	2,040,726	2,035,008	1,939,822	1,828,609	1,668,634	1,538,192
6	1,784,328	1,755,295	1,745,194	1,796,991	1,801,988	1,914,496	2,042,338	2,030,316	1,936,415	1,824,385	1,662,837	1,535,378
7	1,783,655	1,754,229	1,744,796	1,798,072	1,803,609	1,918,023	2,045,714	2,027,395	1,933,861	1,819,617	1,658,207	1,532,330
8	1,782,714	1,753,030	1,744,266	1,798,882	1,807,673	1,922,259	2,049,542	2,025,643	1,931,590	1,813,371	1,654,106	1,530,017
9	1,782,177	1,751,830	1,744,929	1,799,422	1,811,336	1,926,071	2,051,750	2,023,745	1,928,753	1,808,759	1,649,620	1,527,705
10	1,781,235	1,750,898	1,746,521	1,799,692	1,823,295	1,929,461	2,053,074	2,021,408	1,926,353	1,803,339	1,645,526	1,524,297
11	1,780,160	1,750,368	1,749,705	1,800,097	1,835,437	1,933,861	2,054,252	2,019,802	1,923,671	1,798,207	1,641,701	1,521,016
12	1,778,816	1,750,368	1,753,163	1,799,827	1,842,553	1,940,673	2,054,841	2,016,590	1,921,412	1,792,129	1,637,494	1,517,868
13	1,778,278	1,750,633	1,762,356	1,799,962	1,847,627	1,947,222	2,054,841	2,014,113	1,918,447	1,786,075	1,633,290	1,513,872
14	1,777,472	1,748,643	1,772,118	1,800,232	1,851,203	1,953,072	2,055,430	2,011,787	1,916,329	1,780,563	1,628,724	1,510,481
15	1,776,669	1,747,715	1,779,084	1,799,962	1,854,641	1,959,216	2,056,313	2,008,878	1,914,496	1,775,197	1,623,524	1,507,708
16	1,775,465	1,749,837	1,780,967	1,799,827	1,857,804	1,964,952	2,059,110	2,006,551	1,911,687	1,769,441	1,618,339	1,504,094
17	1,775,197	1,750,368	1,781,908	1,799,152	1,860,838	1,970,833	2,060,734	2,002,916	1,908,597	1,764,222	1,613,292	1,501,083
18	1,773,858	1,749,837	1,782,177	1,798,882	1,863,465	1,977,026	2,062,360	1,998,852	1,906,490	1,757,959	1,608,623	1,497,232
19	1,772,788	1,749,572	1,782,042	1,798,882	1,864,709	1,982,504	2,065,020	1,995,086	1,904,524	1,752,630	1,604,356	1,493,397
20	1,771,717	1,750,766	1,781,504	1,798,747	1,866,921	1,987,555	2,066,055	1,991,031	1,900,034	1,747,052	1,600,339	1,489,801
21	1,770,244	1,751,164	1,781,504	1,799,287	1,872,589	1,992,190	2,067,533	1,987,555	1,895,283	1,741,878	1,596,323	1,487,404
22	1,768,906	1,751,431	1,780,832	1,799,152	1,879,813	1,996,390	2,067,385	1,983,080	1,890,393	1,738,297	1,591,327	1,484,297
23	1,767,701	1,751,164	1,780,429	1,799,287	1,883,843	2,000,156	2,067,090	1,979,332	1,885,789	1,733,408	1,587,582	1,481,554
24	1,766,363	1,750,898	1,779,757	1,799,557	1,888,158	2,004,370	2,068,863	1,976,016	1,880,786	1,728,390	1,583,338	1,478,335
25	1,765,024	1,750,235	1,780,025	1,799,692	1,891,790	2,008,733	2,069,454	1,973,133	1,875,505	1,722,984	1,578,618	1,475,235
26	1,763,822	1,751,031	1,783,521	1,799,827	1,894,725	2,013,095	2,070,046	1,970,116	1,870,654	1,717,331	1,573,773	1,472,501
27	1,762,623	1,750,633	1,786,075	1,799,827	1,897,519	2,016,882	2,070,489	1,967,391	1,865,953	1,711,942	1,567,828	1,469,299
28	1,761,424	1,750,102	1,786,882	1,799,827	1,899,894	2,019,948	2,070,932	1,964,379	1,861,253	1,706,968	1,562,637	1,465,740
29	1,759,958	1,749,439	1,786,747	1,799,557	---	2,022,723	2,070,193	1,960,793	1,856,154	1,701,474	1,559,300	1,463,012
30	1,758,759	1,748,909	1,786,210	1,800,097	---	2,025,497	2,065,612	1,958,068	1,851,615	1,696,512	1,557,330	1,461,120
31	1,757,826	---	1,785,806	1,800,502	---	2,028,563	---	1,954,356	---	1,691,696	1,554,134	---
Max	1,788,630	1,757,160	1,786,882	1,800,502	1,899,894	2,028,563	2,070,932	2,058,962	1,951,360	1,846,802	1,685,448	1,550,322
Min	1,757,826	1,747,715	1,744,266	1,785,941	1,800,502	1,902,136	2,031,342	1,954,356	1,851,615	1,691,696	1,554,134	1,461,120
Elevation in feet, at end of month	2,323.51	2,322.84	2,325.60	2,326.69	2,333.92	2,342.90	2,345.42	2,337.77	2,330.44	2,318.49	2,307.62	2,299.91
Change in contents, in acre-feet	-37,139	-8,917	+36,897	+14,696	+99,392	+128,669	+37,049	-111,256	-102,741	-159,919	-137,562	-93,014

	Calendar Year 2006	Water Year 2007
Max	2,496,779	2,070,932
Min	1,744,266	1,461,120
Change in contents, in acre-feet	-236,332	-333,845

11525400 Trinity Lake near Lewiston, CA—Continued

