

**11399000 LAKE ALMANOR AT PRATTVILLE, CA**

Sacramento River Basin

LOCATION.--Lat 40°12'46", long 121°09'43" referenced to North American Datum of 1927, in SW ¼ NE ¼ sec.11, T.27 N., R.7 E., Plumas County, Hydrologic Unit 18020121, Lassen National Forest, at intake tower to Butt Valley Tunnel at Prattville, 4.7 mi northwest of Lake Almanor Dam, and 5.6 mi northwest of Canyon Dam.

DRAINAGE AREA.--491 mi<sup>2</sup>.

**WATER-STAGE RECORDS**

PERIOD OF RECORD.--July 1913 to current year. Monthly contents only for some periods, published in WSP 1315-A. Published as "near Prattville" 1937-60. Prior to October 1964, records published as usable contents.

REVISED RECORDS.--WSP 1931: Drainage area.

GAGE.--Datum of gage is 10.23 ft below NGVD of 1929 (levels by Pacific Gas and Electric Company). Prior to June 1, 1965, nonrecording gage at site 4.7 mi southeast at same datum.

REMARKS.--Lake is formed by earthfill dam; storage began in July 1913; dam raised to gage height 4,455 ft in 1917 and 4,515 ft in 1927. Usable capacity, 1,175,000 acre-ft, between gage heights 4,422 ft, invert of outlet, and 4,495.5 ft, maximum storage limit. Dead storage, 8,948 acre-ft. Water is diverted by tunnel and penstock to Butt Valley Powerplant (station 11400600) and then is used for power development in the North Fork Feather River. Figures given, including extremes, represent total contents at 2400 hours. See schematic diagram of North Fork Feather River Basin.

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. 2105. Contents not rounded to U.S. Geological Survey standards.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,142,960 acre-ft, June 8, 1982, gage height, 4,494.00 ft; minimum, 5,230 acre-ft, Feb. 5, 1918, gage height, 4,416.1 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,019,239 acre-ft, June 25, gage height, 4,489.35 ft; minimum, 731,407 acre-ft, Jan. 25, gage height, 4,477.60 ft.

Capacity table (gage height, in feet, and contents, in acre-feet)  
(Based on surveys by Pacific Gas and Electric Company in 1924 and 1926)

Elevation	Contents	Elevation	Contents	Elevation	Contents	Elevation	Contents
4,422	8,948	4,432	34,173	4,445	156,414	4,470	565,519
4,424	10,067	4,434	49,510	4,450	220,848	4,480	787,304
4,426	11,260	4,437	74,189	4,455	294,531	4,490	1,036,269
4,428	13,480	4,440	101,869	4,460	376,686	4,495.5	1,183,835
4,430	21,200						

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**RESERVOIR STORAGE, ACRE FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY OBSERVATION AT 2400 HOURS**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	812,639	811,921	780,451	763,079	734,875	754,231	819,601	871,658	1,001,335	1,012,732	957,464	867,496
2	812,879	810,725	778,582	762,144	735,338	756,321	821,286	873,130	1,003,144	1,011,433	954,426	864,809
3	811,921	810,008	776,464	760,511	735,569	757,949	824,664	875,095	1,005,212	1,010,395	951,647	861,883
4	811,921	808,336	774,813	758,647	736,030	759,346	826,108	878,047	1,006,507	1,009,357	948,611	859,449
5	811,203	806,904	773,399	756,786	736,945	761,211	827,305	881,243	1,007,802	1,008,579	945,823	856,533
6	810,008	805,474	773,870	754,927	737,174	762,611	828,743	883,946	1,009,098	1,007,284	942,787	853,381
7	810,725	804,283	774,577	755,624	737,861	764,481	830,662	886,407	1,009,098	1,006,507	940,008	851,203
8	811,443	802,380	775,284	756,088	738,090	766,119	833,065	889,859	1,009,876	1,005,212	936,983	848,535
9	812,639	801,193	773,870	754,463	738,319	767,760	834,267	896,042	1,011,174	1,003,919	933,962	846,592
10	813,358	801,430	772,928	753,999	738,548	769,637	835,712	900,011	1,011,433	1,003,402	930,948	844,167
11	813,837	800,243	773,164	752,144	738,778	771,282	836,917	903,728	1,012,212	1,003,144	928,189	841,747
12	813,597	798,820	772,928	750,523	739,695	773,399	837,640	907,454	1,011,953	1,002,368	925,185	839,571
13	812,879	799,294	772,928	748,674	741,302	775,284	838,847	911,189	1,012,212	1,002,110	922,436	837,399
14	812,160	798,346	773,635	747,057	741,761	776,228	840,054	915,182	1,012,212	1,001,852	919,686	835,712
15	811,921	797,161	774,341	746,135	741,761	777,881	841,263	919,435	1,012,212	999,787	916,682	834,027
16	811,443	795,741	774,813	745,443	742,911	779,282	842,472	925,185	1,012,992	997,711	913,683	831,863
17	812,879	795,032	773,635	743,831	743,371	780,685	844,167	930,195	1,013,772	996,156	910,939	830,422
18	812,400	793,850	773,399	742,221	744,522	781,856	845,864	939,251	1,015,072	994,343	907,952	829,223
19	815,276	792,905	771,987	740,843	746,365	785,372	846,592	947,597	1,015,592	992,015	904,969	827,784
20	816,476	792,197	770,576	739,007	747,288	788,898	848,049	953,921	1,016,373	989,690	902,488	825,147
21	816,716	790,782	769,402	737,174	747,750	791,961	849,508	958,985	1,016,894	986,337	899,267	823,698
22	816,476	789,840	767,525	736,030	748,674	796,214	851,445	963,810	1,017,154	984,277	896,290	821,768
23	818,639	788,663	766,119	734,180	748,674	798,820	853,866	968,394	1,017,415	981,962	893,071	820,082
24	818,639	787,722	765,183	732,100	747,519	800,955	856,291	972,990	1,018,197	979,394	890,106	818,639
25	817,917	787,017	764,013	731,407	746,827	802,856	857,990	977,342	1,019,239	977,086	887,146	815,996
26	818,879	786,547	762,611	732,562	747,519	804,283	859,692	981,705	1,018,457	974,269	884,438	814,796
27	817,677	787,017	761,911	733,024	749,829	809,052	861,639	985,822	1,017,675	971,201	881,734	813,118
28	815,996	786,077	761,211	733,718	751,681	811,682	865,297	989,174	1,017,415	968,394	879,278	811,682
29	815,036	783,964	761,211	733,949	---	814,077	867,252	992,532	1,016,373	966,610	876,324	810,008
30	814,077	782,324	762,611	733,718	---	815,996	869,453	995,638	1,014,292	963,810	873,130	808,336
31	813,358	---	763,079	733,949	---	817,917	---	998,749	---	961,015	870,433	---
<b>Max</b>	818,879	811,921	780,451	763,079	751,681	817,917	869,453	998,749	1,019,239	1,012,732	957,464	867,496
<b>Min</b>	810,008	782,324	761,211	731,407	734,875	754,231	819,601	871,658	1,001,335	961,015	870,433	808,336
<b>Elevation, in feet, at end of month</b>	4,481.10	4,479.79	4,478.97	4,477.71	4,478.48	4,481.29	4,483.42	4,488.56	4,489.16	4,487.09	4,483.46	4,480.89
<b>Change in contents, in acre-feet</b>	-239	-31,034	-19,245	-29,130	+17,732	+66,236	+51,536	+129,296	+15,543	-53,277	-90,582	-62,097

	Calendar Year 2004	Water Year 2005
<b>Max</b>	1,006,248	1,019,239
<b>Min</b>	708,763	731,407
<b>Change in contents, in acre-feet</b>	-22,528	-5,261

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