



Water-Data Report 2008

11351600 Collett Reservoir near Little Valley, CA

Sacramento River Basin

LOCATION.--Lat 40°58'00", long 121°13'00" referenced to North American Datum of 1927, Lassen County, CA, Hydrologic Unit 18020003, unsurveyed, on right bank, 1.9 mi east of Muck Valley Powerplant, 5.5 mi northwest of Little Valley, and 9.1 mi southwest of Nubieber.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1991 to September 1992, October 1993 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.

COOPERATION.--Records were provided by Malacha Hydro Limited Partnership, under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 8296. Discharge for Muck Valley Powerplant (station 11351700) and Pit River Tunnel Flow (station 11351945), provided by Malacha Hydro Limited Partnership.

REMARKS.--Lake is formed by earth and rock-fill dam. Storage began Dec. 31, 1990. Water is diverted from the Pit River through a tunnel to the reservoir. Operating pool from elevation 4,030 ft, capacity 155 acre-ft, to 4,065 ft, capacity 7,693 acre-ft. Crest of spillway is at elevation 4,065 ft. Reservoir is used for power generation. Figures given represent total contents. Data not published below the minimum operating level at elevation 4,030 ft, capacity 155 acre-ft. See schematic diagram of Pit and McCloud River Basins available from the California Water Science Center.

**Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on table provided by Malacha Hydro Limited Partnership, dated November 1991)**

Elevation	Contents	Elevation	Contents	Elevation	Contents
4,030	155	4,035	931	4,050	4,052
4,032	395	4,040	1,899	4,065	7,693

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	435	487	1,831	1,486	2,747	4,434	6,946	6,228	5,030	406	---
2	---	440	631	1,651	1,591	3,378	4,223	6,647	6,655	4,764	386	---
3	---	510	759	1,475	1,675	3,766	3,914	6,651	6,728	4,480	366	---
4	---	576	852	1,386	1,606	3,872	4,073	6,651	6,789	4,473	328	---
5	---	656	942	1,597	1,525	3,872	4,452	6,405	6,846	4,466	292	---
6	---	731	1,030	1,933	1,451	3,762	4,800	6,123	7,076	4,462	263	---
7	---	857	1,104	1,902	1,401	3,656	4,857	5,815	7,628	4,185	237	---
8	---	911	1,194	1,822	1,339	3,629	4,950	5,506	7,585	3,914	217	---
9	---	813	1,284	1,736	1,454	3,602	5,055	5,207	7,246	3,639	197	---
10	---	841	1,375	1,597	1,573	3,500	5,367	5,587	7,211	3,372	177	---
11	---	866	1,416	1,416	1,498	3,409	5,546	5,594	7,076	3,089	---	---
12	---	982	1,489	1,621	1,463	3,332	5,734	5,294	6,938	3,082	---	---
13	---	843	1,555	1,868	1,422	3,453	5,933	5,001	6,735	3,079	---	---
14	---	670	1,612	1,727	1,401	3,738	6,019	4,707	6,735	2,861	---	---
15	---	542	1,660	1,582	1,372	3,817	6,037	4,487	6,735	2,650	---	---
16	---	427	1,681	1,395	1,591	4,848	6,119	4,209	6,480	2,438	---	---
17	---	427	1,513	1,501	1,831	5,062	6,348	4,209	6,194	2,220	---	---
18	---	427	1,416	1,591	2,085	4,821	6,359	4,209	5,911	2,004	---	---
19	---	381	1,322	1,675	2,048	4,593	6,390	3,945	5,620	2,001	---	---
20	---	391	1,217	1,758	1,896	4,420	6,659	3,670	5,345	1,998	---	---
21	---	394	1,099	1,825	1,785	4,413	6,774	3,405	5,356	1,801	---	---
22	---	425	1,188	1,709	1,693	4,611	6,796	3,132	5,345	1,615	---	---
23	---	472	1,266	1,752	2,223	4,388	6,839	2,871	5,338	1,413	---	---
24	---	526	1,380	1,630	2,796	4,223	6,873	2,878	5,334	1,211	---	---
25	---	579	1,495	1,684	2,819	4,241	6,877	2,881	5,327	1,019	---	---
26	---	542	1,597	1,752	2,715	4,255	6,885	2,884	5,320	1,013	---	---
27	---	466	1,657	1,834	2,663	4,265	6,892	2,969	5,316	1,007	---	---
28	---	379	1,742	1,712	2,621	4,276	6,892	3,211	5,312	821	---	---
29	---	379	1,797	1,564	2,585	4,604	6,900	3,554	5,305	654	---	---
30	---	379	1,865	1,621	---	4,696	6,904	4,290	5,298	557	---	---
31	373	---	1,748	1,537	---	4,476	---	5,291	---	479	---	---
Max	---	982	1,865	1,933	2,819	5,062	6,904	6,946	7,628	5,030	---	---
Min	---	379	487	1,386	1,339	2,747	3,914	2,871	5,298	479	---	---
Discharge, in acre-feet, for Muck Valley Powerplant	506	1,160	1,060	4,100	9,490	33,250	3,280	6,250	8,940	4,610	161	0.00
Discharge, in acre-feet, for Pit River Tunnel Flow	674	1,150	2,170	3,730	10,390	35,600	5,850	4,660	9,260	0.00	0.00	0.00

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