



Water-Data Report CA-2005

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, 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.

WATER-DISCHARGE 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.

REMARKS.--Lake is formed by earth and rockfill 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. Discharge for Muck Valley Powerplant (station 11351700) and Pit River Tunnel Flow (station 11351945) provided by Malacha Hydro Limited Partnership. See schematic diagram of Pit and McCloud River Basins.

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.

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 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	2,048	2,110	4,933	6,431	5,287	7,034	7,472	4,954	518	---
2	---	---	1,933	2,274	4,821	6,097	6,239	7,398	7,538	4,947	440	---
3	---	---	1,791	2,170	4,622	5,763	6,957	7,437	7,527	4,933	388	---
4	---	---	1,868	2,264	4,371	5,436	6,965	7,173	7,460	4,918	364	---
5	---	---	1,939	2,270	4,786	5,767	6,965	6,907	7,394	4,636	340	---
6	---	---	1,825	2,233	5,156	6,060	6,950	6,549	7,316	4,353	340	---
7	---	---	1,742	2,220	4,821	5,653	6,785	6,311	7,340	4,077	340	---
8	---	---	1,624	2,308	4,462	5,225	6,598	6,458	7,336	3,797	320	---
9	---	---	1,690	2,486	4,066	4,782	7,134	6,142	7,336	3,783	320	---
10	---	---	2,255	2,378	3,643	4,322	7,402	5,911	7,398	3,779	294	---
11	---	474	3,409	2,359	3,198	3,858	7,157	5,926	7,511	3,514	278	---
12	---	560	3,807	2,299	3,436	4,073	7,309	6,071	7,593	3,248	272	---
13	---	838	4,161	2,248	3,694	4,286	7,042	6,056	7,515	2,989	272	---
14	---	1,087	4,192	2,211	3,412	3,869	7,073	6,292	7,499	2,734	272	---
15	---	1,208	4,035	2,327	3,449	3,348	6,892	6,537	7,550	2,489	---	---
16	---	1,333	3,752	2,460	3,609	2,858	7,146	6,442	7,507	2,483	---	---
17	---	1,460	3,399	2,432	3,848	2,368	7,425	6,262	7,581	2,476	---	---
18	---	1,561	3,704	2,387	4,049	1,877	7,429	6,123	7,671	2,286	---	---
19	---	1,654	3,976	2,302	4,879	1,970	7,527	5,904	7,667	2,101	---	---
20	---	1,856	3,653	2,248	5,675	2,042	6,988	5,708	7,472	1,911	---	---
21	---	2,039	3,385	2,255	6,610	1,952	7,192	6,037	7,262	1,718	---	---
22	---	1,958	3,158	2,621	6,720	1,998	7,242	6,295	6,984	1,528	---	---
23	---	1,865	2,878	2,976	6,663	2,067	7,258	6,052	6,697	1,522	---	---
24	---	1,739	2,572	2,796	6,507	2,042	7,246	5,823	6,408	1,522	---	---
25	---	1,837	2,682	2,669	6,288	2,123	6,816	5,587	6,393	1,327	---	---
26	---	1,945	2,793	2,653	6,716	2,825	6,314	5,327	6,375	1,136	---	---
27	---	2,154	2,521	2,976	7,088	3,534	5,723	5,142	6,086	936	---	---
28	---	2,372	2,267	3,325	6,774	3,807	6,041	6,123	5,800	776	---	---
29	---	2,318	2,088	3,561	---	4,199	5,789	7,042	5,521	606	---	---
30	---	2,195	2,008	4,615	---	4,583	6,454	7,546	5,236	604	---	---
31	---	---	1,927	4,882	---	4,943	---	7,460	---	601	---	---
Max	---	---	4,192	4,882	7,088	6,431	7,527	7,546	7,671	4,954	---	---
Min	---	---	1,624	2,110	3,198	1,877	5,287	5,142	5,236	601	---	---
Discharge, in acre-feet, for Muck Valley Powerplant												
	0.00	2,180	11,040	8,000	13,500	14,180	10,490	28,160	17,720	4,350	313	0.00
Discharge, in acre-feet, for Pit River Tunnel Flow												
	0.00	4,090	10,920	11,100	15,730	12,540	12,500	29,850	16,140	0.00	0.00	0.00

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