

Water-Data Report 2013

11525430 Judge Francis Carr Powerplant near French Gulch, CA

Klamath River Basin

LOCATION.--Lat 40°38'49", long 122°37'34" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec.11, T.32 N., R.7 W., Shasta County, CA, Hydrologic Unit 18020112, at powerplant, 1.6 mi downstream from Mill Creek, and 3.8 mi south of French Gulch.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1963 to current year.

GAGE.--Recorded powerplant output.

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

REMARKS.--Water is diverted from Trinity River, lat 40°43'31", long 122°47'22", NW ¼ SE ¼ sec.8, T.33 N., R.8 W., through a tunnel to powerplant and then into Whiskeytown Lake (station 11371700). See schematic diagram of upper Sacramento River Basin, Pit River and McCloud River Basins, and Klamath River and Trinity River Basins available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 4,000 ft³/s, Oct. 18, 1987; no flow for many days most years.

11525430 Judge Francis Carr Powerplant near French Gulch, CA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,479	509	7	1,539	15	263	14	190	2,439	3,276	3,274	1,604
2	1,343	573	8	1,450	15	16	592	4	2,644	3,249	3,289	1,587
3	1,339	574	12	1,488	15	16	1,437	4	2,465	3,487	3,292	2,075
4	1,375	553	8	1,455	11	16	1,638	3	2,630	3,225	3,299	1,089
5	1,411	582	7	792	8	16	13	2	2,476	3,235	3,062	1,176
6	1,404	4	8	804	8	16	13	2	2,909	3,289	2,968	1,273
7	1,340	120	9	782	8	386	13	2	2,743	3,390	2,907	1,182
8	607	681	7	633	18	16	1,397	16	2,522	3,355	3,345	1,202
9	615	568	7	760	20	16	1,314	324	2,437	3,347	3,303	1,417
10	667	8	16	5	20	16	1,386	386	3,034	3,334	3,287	1,254
11	579	5	55	589	120	16	1,386	322	2,897	2,608	2,660	1,130
12	595	241	10	10	393	15	1,363	14	3,017	3,294	2,596	1,065
13	574	313	10	10	319	15	1,235	597	2,848	3,299	2,474	551
14	579	251	10	11	10	15	1,165	580	3,137	3,343	1,937	1,140
15	559	319	10	57	10	15	1,170	769	3,000	3,480	2,188	1,083
16	575	341	10	21	319	15	1,122	835	2,992	3,455	2,171	1,058
17	568	5	10	21	10	15	1,122	1,106	2,926	3,427	2,191	924
18	565	198	15	21	564	326	954	1,013	3,139	3,225	2,125	324
19	566	318	1,526	21	10	697	1,534	1,186	3,253	3,202	1,975	633
20	627	196	1,392	21	10	18	1,234	1,062	3,363	3,092	2,115	1,030
21	542	4	726	21	11	325	948	1,511	3,319	1,092	2,088	1,032
22	602	227	1,210	14	320	15	14	1,192	3,316	3,336	2,214	1,033
23	595	303	1,372	11	3	15	14	1,596	3,347	3,335	2,010	973
24	549	5	1,482	11	3	15	14	1,026	3,416	3,112	2,074	1,089
25	573	5	1,441	11	405	15	14	1,643	3,414	3,140	1,535	850
26	553	14	1,337	11	158	746	1,378	1,998	2,483	3,279	16	867
27	529	534	1,401	11	350	15	674	1,957	3,242	3,332	929	918
28	598	8	1,194	11	16	14	510	1,924	3,231	3,186	1,420	847
29	593	8	1,359	11	---	200	716	2,662	3,087	3,193	1,623	827
30	569	7	1,449	15	---	14	430	2,549	3,284	3,333	1,577	942
31	539	---	1,501	15	---	14	---	2,677	---	3,233	1,762	---
Total	23,609	7,474	17,609	10,632	3,169	3,312	24,814	29,152	89,010	99,183	71,706	32,175
Mean	762	249	568	343	113	107	827	940	2,967	3,199	2,313	1,072
Max	1,479	681	1,526	1,539	564	746	1,638	2,677	3,416	3,487	3,345	2,075
Min	529	4	7	5	3	14	13	2	2,437	1,092	16	324
Ac-ft	46,830	14,820	34,930	21,090	6,290	6,570	49,220	57,820	176,600	196,700	142,200	63,820

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,254	765	591	527	702	775	1,054	1,193	1,759	2,265	2,147	1,933
Max	3,363	2,157	2,891	2,755	3,224	3,114	3,220	3,514	3,662	3,589	3,236	3,504
(WY)	(1988)	(1967)	(1979)	(1982)	(1974)	(1974)	(1970)	(1974)	(1969)	(1968)	(1977)	(1988)
Min	94.0	0.00	0.00	0.00	0.34	0.00	0.00	0.10	0.63	253	507	415
(WY)	(2001)	(2005)	(2002)	(1986)	(1988)	(1988)	(1978)	(1991)	(1993)	(1978)	(1992)	(1997)

11525430 Judge Francis Carr Powerplant near French Gulch, CA—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1963 - 2013	
Annual total	288,712		411,845			
Annual mean	789		1,128		1,257	
Highest annual mean					2,485	1974
Lowest annual mean					301	1978
Highest daily mean	1,873	Sep 5	3,487	Jul 3	4,000	Oct 18, 1987
Lowest daily mean	4	Nov 6	2	May 5	0	May 6, 1963
Annual seven-day minimum	8	Nov 29	5	May 2	0	Oct 14, 1969
Annual runoff (ac-ft)	572,700		816,900		910,700	
10 percent exceeds	1,583		3,234		3,041	
50 percent exceeds	674		697		1,000	
90 percent exceeds	10		10		0	

