11231500 Mono Creek below Lake Thomas A. Edison, CA

San Joaquin River Basin

LOCATION.--Lat 37°21′41″, long 118°59′28″ referenced to North American Datum of 1927, Fresno County, CA, Hydrologic Unit 18040006, unsurveyed, in Sierra National Forest, on left bank, 0.5 mi upstream from diversion dam, 0.9 mi downstream from Vermilion Valley Dam, and 1.0 mi south of Lake Thomas A. Edison.

DRAINAGE AREA.--92.5 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1921 to current year. Monthly discharge only for some periods, published in WSP 1315-A. Prior to October 1954, published as "near Vermilion Valley."

REVISED RECORDS.--WSP 1011: 1943. WSP 1515: 1956. WSP 1930: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 7,380 ft above NGVD of 1929, from topographic map.

COOPERATION.--Records were collected by Southern California Edison Co., under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 2086.

REMARKS.--Flow regulated by Lake Thomas A. Edison (station 11231000) 1 mi upstream beginning Oct. 12, 1954. Water is diverted at times into the basin from Warm Creek (station 11231700) to Lake Thomas A. Edison. See schematic diagram of upper San Joaquin River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,160 ft^3/s, Sept. 26, 1982, gage height, 8.87 ft; minimum daily, 0.3 ft^3/s, Nov. 11, 12, 1954.

11231500 Mono Creek below Lake Thomas A. Edison, CA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	23	13	14	440	97	74	258	258	373	152	409	437
2	23	14	14	440	97	74	258	258	384	152	409	437
3	23	14	14	440	97	74	258	258	400	152	409	437
4	23	14	14	440	66	74	258	258	390	152	405	433
5	19	14	14	440	69	74	258	258	379	152	405	339
6	16	14	14	439	70	74	258	258	379	152	405	273
7	16	14	14	435	70	74	258	258	251	152	403	273
8	16	14	14	397	70	74	258	256	151	152	400	273
9	16	14	14	355	99	74	258	254	151	152	400	273
10	16	14	14	431	126	74	258	254	151	152	400	271
11	70	14	14	431	128	74	258	254	152	153	400	269
12	89	14	22	431	115	74	258	254	152	155	395	269
13	25	14	28	419	74	74	258	254	152	155	395	266
14	20	14	28	417	74	74	258	256	152	155	395	266
15	15	14	28	306	74	74	258	280	152	155	395	266
16	15	14	28	112	74	74	258	306	152	155	395	266
17	15	14	28	106	74	74	258	339	152	154	393	265
18	15	14	28	92	74	74	258	405	152	152	391	262
19	15	14	220	87	74	74	258	426	152	152	389	259
20	15	14	443	87	74	74	258	428	152	152	365	259
21	15	14	449	87	74	74	258	431	152	155	315	257
22	15	14	453	87	74	168	258	444	152	155	315	255
23	15	14	452	76	74	298	258	445	152	155	315	255
24	15	14	449	54	74	295	258	424	152	271	315	255
25	15	14	447	97	74	295	258	373	152	393	315	255
26	15	14	444	97	74	274	258	359	152	398	315	253
27	15	14	447	97	74	258	258	367	152	414	315	252
28	14	14	448	97	74	255	258	372	152	414	311	252
29	14	14	444	97	---	258	258	372	152	414	311	252
30	14	14	444	97	---	258	258	373	152	409	391	251
31	13	---	443	97	---	258	---	373	---	409	441	---
Total	645	419	5,927	7,728	2,288	4,171	7,740	10,105	6,049	6,645	11,617	8,630
Mean	20.8	14.0	191	249	81.7	135	258	326	202	214	375	288
Max	89	14	453	440	128	298	258	445	400	414	441	437
Min	13	13	14	54	66	74	258	254	151	152	311	251
Ac-ft	1,280	831	11,760	15,330	4,540	8,270	15,350	20,040	12,000	13,180	23,040	17,120

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 1954, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	24.4	29.4	31.4	33.3	39.8	59.4	170	457	548	270	79.6	31.3
Max	60.8	124	127	76.8	74.4	94.8	282	714	1,135	672	233	86.6
(WY)	(1946)	(1951)	(1951)	(1951)	(1951)	(1934)	(1926)	(1952)	(1938)	(1938)	(1938)	(1938)
Min	11.3	10.5	12.0	14.0	17.0	25.0	77.8	197	79.6	36.6	17.6	11.5
(WY)	(1925)	(1930)	(1931)	(1949)	(1949)	(1924)	(1948)	(1933)	(1924)	(1924)	(1924)	(1924)

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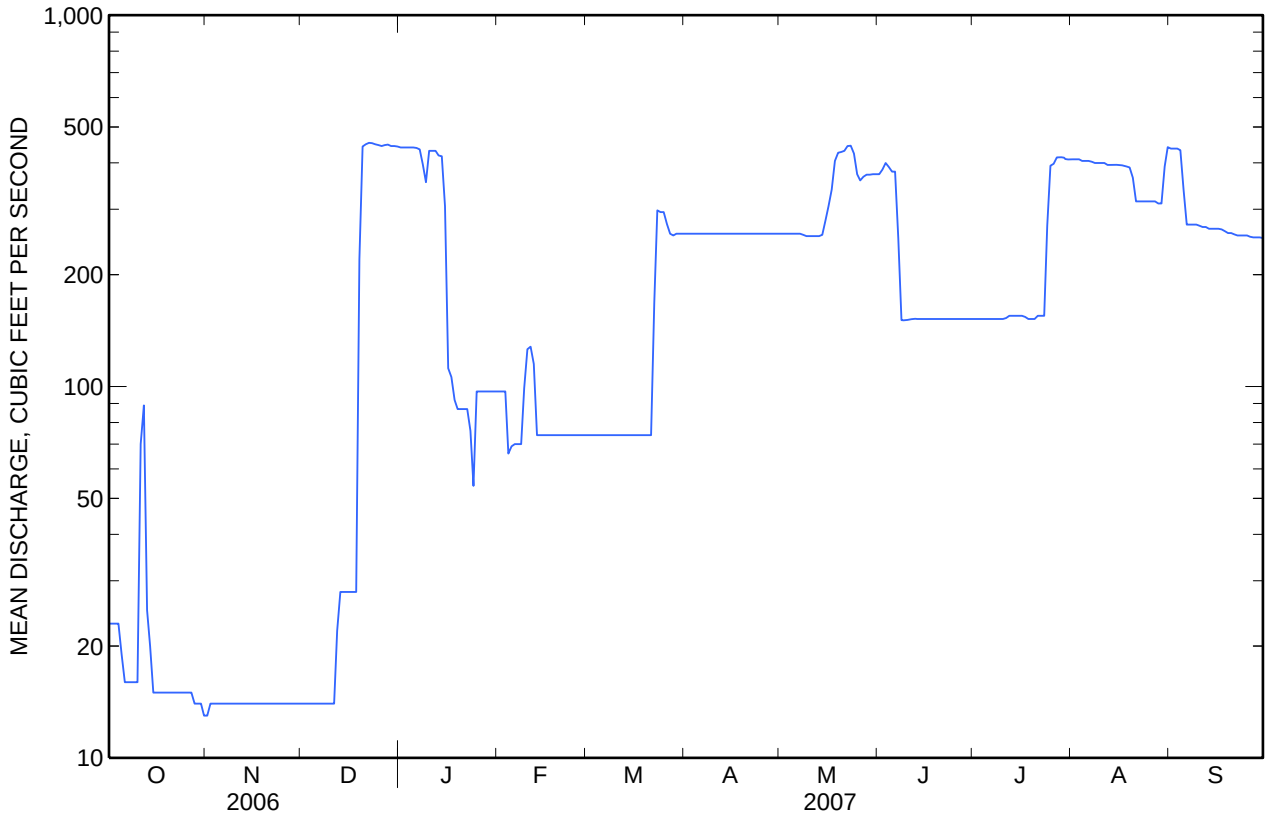
SUMMARY STATISTICS

	Water Years 1922 - 1954	
Annual mean	148	
Highest annual mean	268	1938
Lowest annual mean	52.8	1924
Highest daily mean	1,550	Jun 3, 1938
Lowest daily mean	8.0	Sep 29, 1924
Annual seven-day minimum	8.1	Sep 28, 1924
Maximum peak flow	1,760	Jun 2, 1938
Maximum peak stage	8.62	Jun 2, 1938
Annual runoff (ac-ft)	107,300	
10 percent exceeds	470	
50 percent exceeds	48	
90 percent exceeds	18	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	102	152	193	207	196	174	127	74.7	90.4	229	244	190
Max	324	436	444	467	472	479	647	515	577	817	424	450
(WY)	(1998)	(1999)	(2006)	(1984)	(1973)	(1973)	(1983)	(1983)	(1969)	(2006)	(1999)	(1994)
Min	11.0	12.1	9.05	9.95	10.4	13.8	12.7	12.7	11.5	12.1	12.2	14.0
(WY)	(1972)	(1982)	(1991)	(1991)	(1991)	(1990)	(1966)	(1966)	(1977)	(1977)	(1981)	(1966)

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1956 - 2007	
Annual total	93,101		71,964			
Annual mean	255		197		165	
Highest annual mean					366	1983
Lowest annual mean					53.2	1977
Highest daily mean	1,410	Jun 21	453	Dec 22	2,080	Sep 26, 1982
Lowest daily mean	13	Oct 31	13	Oct 31	4.1	Dec 12, 1990
Annual seven-day minimum	14	Oct 28	14	Oct 28	4.2	Dec 12, 1990
Maximum peak flow			461	Aug 30	2,160	Sep 26, 1982
Maximum peak stage			6.44	Aug 30	8.87	Sep 26, 1982
Annual runoff (ac-ft)	184,700		142,700		119,600	
10 percent exceeds	692		414		425	
50 percent exceeds	190		155		94	
90 percent exceeds	14		14		14	

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