11243500 PACIFIC GAS AND ELECTRIC COMPANY CONDUIT NO. 3 NEAR BASS LAKE, CA

San Joaquin River Basin

LOCATION.--Lat 37°17′21″, long 119°31′44″ referenced to North American Datum of 1927, in NE ¼ SE ¼ sec.26, T.7 S., R.22 E., Madera County, Hydrologic Unit 18040006, in Sierra National Forest, on left bank, 1,000 ft downstream from Crane Valley Powerplant and Dam, and 2.5 mi southeast of town of Bass Lake.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1940 to current year. Prior to October 1954, published as "near Crane Valley Reservoir."

GAGE.--Water-stage recorder and concrete flume. Elevation of gage is 3,300 ft above NGVD of 1929, from topographic map.

REMARKS.--Conduit diverts from Bass Lake in sec.26, T.7 S., R.22 E. Water passes through Crane Valley Powerplant, then to Powerplant No. 3 (station 11244100), and is stored temporarily at Manzanita Lake on North Fork Willow Creek; flow then diverts to Powerplants No. 2 and No. 1A (stations 11246570 and 11246590), before it enters San Joaquin River at Kerckhoff Reservoir through San Joaquin Powerplant No. 1 (station 11246610). See schematic diagram of lower San Joaquin River Basin.

COOPERATION.--Records, including diversion to San Joaquin Powerplant No. 1, 1A, 2 and 3, were provided by Pacific Gas and Electric Co., under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 1354.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 167 ft^3/s, June 23, 24, 1965; no flow at times.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	143	144	3.9	3.6	4.6	2.3	144	132	132	126	0.15	116
2	143	144	3.9	3.6	4.7	5.1	145	137	127	127	0.15	116
3	144	144	3.9	3.6	4.7	5.1	145	137	127	127	0.15	116
4	144	144	3.8	3.6	4.7	5.1	145	137	127	128	0.15	116
5	144	144	3.8	3.6	4.7	40	145	136	127	124	0.15	116
6	144	143	3.8	3.6	4.7	133	145	95	127	115	0.15	116
7	143	143	3.8	3.6	4.7	142	145	135	127	110	0.15	116
8	143	143	3.8	3.6	9.9	144	145	135	124	109	0.15	116
9	143	143	3.8	3.6	0.87	144	145	135	118	30	0.15	116
10	143	142	3.8	1.6	0.87	144	145	135	117	0.25	0.15	116
11	142	142	3.8	0.65	0.87	144	145	134	117	0.13	0.15	116
12	143	142	3.8	75	0.83	144	144	134	117	0.14	0.15	116
13	124	143	3.8	64	0.78	144	144	134	117	0.14	0.15	116
14	112	143	3.8	0.70	2.2	145	144	134	117	0.14	0.15	116
15	110	59	3.8	0.68	3.3	145	144	134	117	0.15	0.15	117
16	110	0.54	3.8	0.62	3.3	144	144	134	117	0.15	0.06	117
17	110	0.54	3.8	0.62	20	144	144	135	117	0.15	26	117
18	110	1.4	3.8	0.62	3.3	144	144	135	117	0.15	110	117
19	109	2.6	3.8	0.62	0.86	144	144	124	117	0.15	128	117
20	127	2.6	3.8	2.3	0.78	144	144	135	119	0.15	130	118
21	143	3.5	3.7	4.9	0.76	144	144	135	122	0.15	131	118
22	144	4.0	3.4	2.4	0.70	143	143	135	121	0.15	145	118
23	144	3.9	3.4	0.64	0.70	140	143	134	116	0.15	144	118
24	143	3.9	3.4	2.3	0.70	139	143	134	115	0.15	144	118
25	143	3.9	3.4	3.7	0.70	139	143	132	122	0.15	144	118
26	143	3.9	3.4	12	0.70	140	142	131	122	0.15	144	118
27	143	3.9	3.4	1.5	0.70	143	142	133	120	0.15	143	119
28	144	3.9	3.4	1.4	0.70	144	142	135	122	0.15	143	119
29	144	3.9	3.4	1.4	---	144	132	135	125	0.15	143	119
30	144	3.9	3.4	1.2	---	144	142	135	125	0.15	129	120
31	144	---	3.5	2.7	---	144	---	135	---	0.15	116	---
Total	4,210	2,109.38	114.1	213.95	86.32	3,770.6	4,306	4,121	3,635	999.35	1,922.31	3,512
Mean	136	70.3	3.68	6.90	3.08	122	144	133	121	32.2	62.0	117
Max	144	144	3.9	75	20	145	145	137	132	128	145	120
Min	109	0.54	3.4	0.62	0.70	2.3	132	95	115	0.13	0.06	116
Ac-ft	8,350	4,180	226	424	171	7,480	8,540	8,170	7,210	1,980	3,810	6,970
Diversion, in acre-feet, to San Joaquin Powerplant No. 3												
	6,840	3,330	0.00	52	0.00	6,050	6,790	6,600	5,650	1,540	2,700	5,290
Diversion, in acre-feet, to San Joaquin Powerplant No. 2												
	7,800	3,730	0.00	5,560	7,690	8,520	7,890	8,390	7,970	1,960	3,300	6,080
Diversion, in acre-feet, to San Joaquin Powerplant No. 1A												
	8,760	4,140	0.00	5,380	8,110	4,740	0.00	0.00	0.00	0.00	0.00	0.00
Diversion, in acre-feet, to San Joaquin Powerplant No. 1												
	9,420	5,240	1,470	9,630	10,850	11,910	11,150	11,550	11,560	2,510	3,630	7,200

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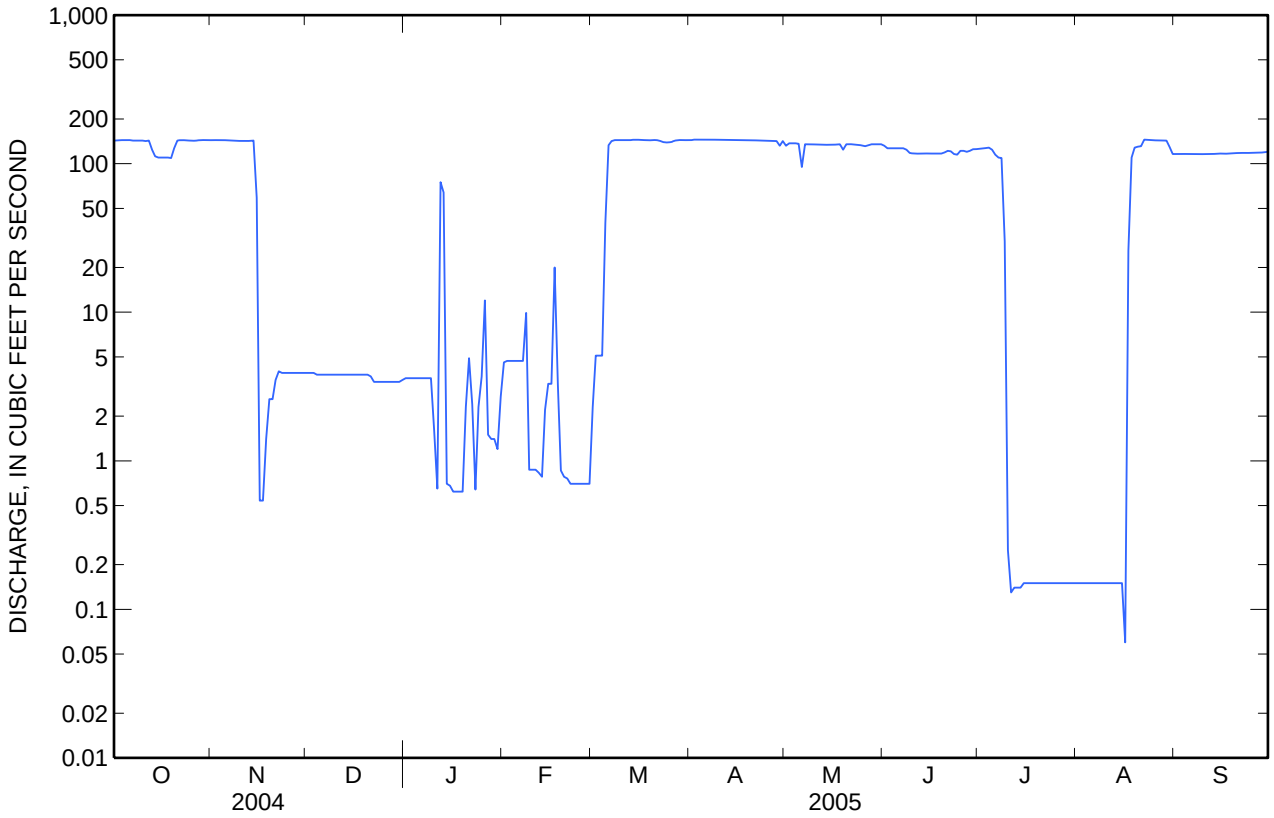
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	72.2	43.8	54.0	58.8	67.2	77.3	61.2	62.7	61.0	78.5	97.0	89.2
Max	152	148	157	157	161	162	158	157	160	153	155	154
(WY)	(1951)	(1984)	(1983)	(1956)	(1956)	(1956)	(1956)	(1958)	(1952)	(1983)	(1958)	(1980)
Min	0.00	0.00	0.00	0.19	0.08	0.12	0.12	0.09	0.06	0.52	9.43	0.23
(WY)	(1988)	(1968)	(2004)	(1954)	(1977)	(1947)	(1947)	(1977)	(1942)	(1977)	(1977)	(1996)

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1941 - 2005	
Annual total	19,840.99		29,000.01			
Annual mean	54.2		79.5		68.6	
Highest annual mean					128	1983
Lowest annual mean					14.4	1977
Highest daily mean	147	Mar 8	145	Mar 14	167	Jun 23, 1965
Lowest daily mean	0.00	Jul 17	0.06	Aug 16	0.00	Nov 6, 1940
Annual seven-day minimum	0.00	Jul 17	0.14	Aug 10	0.00	Feb 8, 1941
Annual runoff (ac-ft)	39,350		57,520		49,730	
Total diversion (ac-ft) [a]	31,510		44,840			
Total diversion (ac-ft) [b]	35,110		68,890			
Total diversion (ac-ft) [c]	35,290		31,120			
Total diversion (ac-ft) [d]	50,980		96,140			
10 percent exceeds	143		144		151	
50 percent exceeds	3.4		117		64	
90 percent exceeds	0.10		0.15		0.03	

[a] Diversion, in acre-feet, to San Joaquin Powerplant No. 3.
[b] Diversion, in acre-feet, to San Joaquin Powerplant No. 2.
[c] Diversion, in acre-feet, to San Joaquin Powerplant No. 1A.
[d] Diversion, in acre-feet, to San Joaquin Powerplant No. 1.

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