

Water-Data Report 2009

11192501 Kern River and Kern River No. 1 Conduit near Democrat Springs, CA

Buena Vista Lake Basin

LOCATION.--Lat 35°31'15", long 118°40'34" referenced to North American Datum of 1927, Kern County, CA, Hydrologic Unit 18030003, combined discharge of Kern River (station 11192500) and Kern River No. 1 Conduit (station 11192000).

SURFACE-WATER RECORDS

COOPERATION.--Records were provided by Southern California Edison Co., under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 2290.

REMARKS.--See schematic diagram of Kern River Basin available from the California Water Science Center.

11192501 Kern River and Kern River No. 1 Conduit near Democrat Springs, CA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	331	262	258	183	356	367	543	732	1,050	1,430	1,180	837
2	297	222	256	183	354	368	520	591	1,130	1,440	1,260	874
3	320	343	255	156	352	370	569	583	1,270	1,530	1,460	873
4	269	357	244	125	354	373	535	626	1,280	1,260	1,380	850
5	299	350	272	116	353	371	569	774	1,220	1,280	1,290	738
6	296	277	268	117	358	370	605	761	1,180	1,540	1,200	692
7	297	231	272	156	358	368	547	715	1,180	1,600	1,110	669
8	313	215	231	186	357	367	632	756	1,260	1,530	978	587
9	360	221	233	189	362	367	608	677	1,290	1,420	987	542
10	329	246	232	186	361	431	518	699	1,320	1,330	1,190	539
11	328	320	232	156	358	432	502	752	1,280	1,140	1,150	554
12	261	268	232	177	359	408	495	757	1,170	1,110	1,140	515
13	256	262	136	182	363	364	515	795	1,100	1,220	1,010	518
14	304	259	105	182	361	384	557	756	1,160	1,350	833	579
15	267	258	115	182	356	433	589	764	1,240	1,390	758	609
16	250	259	120	230	335	435	573	699	1,430	1,420	702	550
17	309	295	111	235	388	536	525	711	1,380	1,420	800	500
18	310	290	106	275	373	539	469	851	1,450	1,280	741	493
19	326	290	103	273	371	519	546	900	1,440	1,270	723	491
20	346	292	105	316	369	508	688	873	1,160	1,440	813	491
21	345	299	105	356	370	473	818	842	1,220	1,470	879	494
22	331	263	115	359	373	501	827	922	1,500	1,610	822	543
23	332	257	114	266	387	537	838	833	1,410	1,510	726	543
24	335	236	108	266	388	612	607	846	1,480	1,470	789	658
25	347	241	112	264	374	634	553	968	1,530	1,380	744	603
26	331	270	123	262	369	609	593	966	1,360	1,280	744	583
27	356	286	109	259	368	593	762	1,010	1,160	1,400	763	601
28	341	287	106	282	367	485	783	1,030	1,180	1,290	803	627
29	337	286	105	284	---	497	750	980	1,320	1,440	820	581
30	291	286	105	261	---	549	782	898	1,390	1,440	840	604
31	262	---	111	262	---	560	---	908	---	1,360	872	---
Total	9,676	8,228	5,099	6,926	10,194	14,360	18,418	24,975	38,540	43,050	29,507	18,338
Mean	312	274	164	223	364	463	614	806	1,285	1,389	952	611
Max	360	357	272	359	388	634	838	1,030	1,530	1,610	1,460	874
Min	250	215	103	116	335	364	469	583	1,050	1,110	702	491
Ac-ft	19,190	16,320	10,110	13,740	20,220	28,480	36,530	49,540	76,440	85,390	58,530	36,370

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	543	449	386	458	590	783	1,011	1,351	1,882	1,772	1,333	711
Max	1,835	1,689	1,432	2,338	2,439	3,644	5,695	5,922	6,850	6,110	3,824	2,501
(WY)	(1984)	(1983)	(1984)	(1967)	(1997)	(1969)	(1969)	(1983)	(1983)	(1983)	(1967)	(1983)
Min	116	127	131	154	152	221	260	256	311	400	334	127
(WY)	(1962)	(1991)	(1991)	(1991)	(1991)	(1961)	(1961)	(1961)	(1961)	(1961)	(1961)	(1990)

11192501 Kern River and Kern River No. 1 Conduit near Democrat Springs, CA—Continued

SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1955 - 2009	
Annual total	240,300		227,311			
Annual mean	657		623		941	
Highest annual mean					3,173	1983
Lowest annual mean					246	1961
Highest daily mean	1,740	Aug 8	1,610	Jul 22	7,030	Jun 7, 1969
Lowest daily mean	103	Dec 19	103	Dec 19	10	Dec 17, 1968
Annual seven-day minimum	108	Dec 18	108	Dec 18	12	Dec 11, 1968
Annual runoff (ac-ft)	476,600		450,900		681,700	
10 percent exceeds	1,390		1,300		2,060	
50 percent exceeds	517		518		593	
90 percent exceeds	228		222		208	

