



# 1999 California Hydrologic Data Report

10254730 ALAMO RIVER NEAR NILAND, CA

LOCATION.-Lat 33°11'56", long 115°35'46", in SW 1/4 NW 1/4 sec.23, T.11 S., R.13 E., Imperial County, Hydrologic Unit 18100200, on left bank, 1.0 mi upstream from mouth, and 4.5 mi southwest of Niland.  
 PERIOD OF RECORD.-January 1943 to September 1960 (monthly discharge only, published in WSP 1743), October 1960 current year.

GAGE.-Acoustic-velocity meter and water-stage recorder. Elevation of gage is 220 ft below sea level, from topographic map. Prior to Oct. 1, 1986, at site 0.4 mi downstream at different datum.

REMARKS.-Records fair. Discharge mainly represents seepage and return flow from irrigated areas. See schematic diagram of Salton Sea Basin.

EXTREMES FOR PERIOD OF RECORD.-Maximum daily discharge, 4,500 ft<sup>3</sup>/s, Aug. 17, 1977, estimated by Imperial Irrigation District; minimum daily, 288 ft<sup>3</sup>/s, Jan. 2, 1966, Dec. 15, 1984.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	974	849	635	707	641	895	1040	1180	990	883	729	755
2	974	883	690	607	695	937	1140	1220	954	893	660	745
3	965	847	666	606	722	1000	1120	1080	927	888	658	740
4	965	846	623	624	748	946	906	1140	954	860	665	745
5	880	908	637	679	806	928	641	1120	927	860	763	753
6	905	890	629	717	728	990	708	1040	879	851	754	734
7	910	868	582	726	667	972	858	1060	853	918	781	779
8	946	834	607	798	612	909	917	1140	868	886	791	649
9	992	723	623	835	570	936	970	1070	876	963	750	759
10	1010	720	576	746	571	979	1020	980	865	954	760	827
11	937	752	614	630	547	979	1010	971	872	900	722	843
12	928	840	637	659	579	961	934	1060	882	816	703	844
13	883	810	671	657	599	926	997	1060	888	1100	753	771
14	919	774	600	678	632	915	1050	1070	936	1060	757	754
15	888	805	637	697	647	879	1060	1080	954	801	770	777
16	889	732	696	714	669	924	1050	1080	900	727	746	841
17	885	694	701	754	750	986	1080	981	909	707	764	850
18	874	700	680	700	775	1070	1050	999	963	669	797	874
19	864	719	705	706	836	1030	988	1020	990	644	797	896
20	830	761	709	758	820	1030	1040	1040	945	664	721	822
21	863	750	723	692	809	994	1070	1050	918	776	781	822
22	910	700	773	691	839	950	1040	1060	881	800	766	963
23	919	642	800	689	841	994	1100	1050	900	805	757	1080
24	876	684	792	669	910	1050	1100	999	889	830	761	1070
25	873	732	653	661	956	1020	1100	981	909	829	763	936
26	755	719	471	691	974	1060	1120	981	918	832	826	834
27	773	644	509	720	983	1020	1100	954	886	770	802	833
28	819	638	636	710	974	1000	1090	918	845	824	731	834
29	831	622	691	676	---	994	1140	945	858	877	707	820
30	890	593	711	716	---	959	1160	900	886	876	681	820
31	905	---	729	740	---	950	---	936	---	806	716	--
TOTAL	27832	22679	20406	21653	20900	30183	30599	32165	27222	26069	23132	24702
MEAN	898	756	658	698	746	974	1020	1038	907	841	746	823
MAX	1010	908	800	835	983	1070	1160	1220	990	1100	826	1080
MIN	755	593	471	606	547	879	641	900	845	644	658	649
AC-FT	55200	44980	40480	42950	41460	59870	60690	63800	53990	51710	45880	49000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1999, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	944	761	642	641	756	976	1090	964	827	831	844	900
MAX	1159	851	792	834	970	1144	1272	1182	981	1027	1278	1271
(WY)	1964	1991	1973	1972	1964	1963	1980	1975	1963	1963	1977	1962
MIN	742	616	416	396	495	734	797	684	646	636	656	667
(WY)	1986	1966	1986	1978	1993	1987	1965	1964	1964	1985	1986	1992

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1961 - 1999

ANNUAL TOTAL	316588		307542			
ANNUAL MEAN	867		843		848	
HIGHEST ANNUAL MEAN					991	1993
LOWEST ANNUAL MEAN					680	1986
HIGHEST DAILY MEAN	1260	Mar 27	1220	May 2	4500	Aug 17
1977						
LOWEST DAILY MEAN	393	Feb 23	471	Dec 26	288	Jan 2
1966						
ANNUAL SEVEN-DAY MINIMUM	422	Feb 19	587	Feb 8	323	Dec 27
1965						
ANNUAL RUNOFF (AC-FT)	628000		610000		614300	
10 PERCENT EXCEEDS	1130		1050		1110	
50 PERCENT EXCEEDS	883		841		841	
90 PERCENT EXCEEDS	592		651		606	

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