Water-Data Report 2011

10254730 Alamo River near Niland, CA

Salton Sea Basin

LOCATION.--Lat 33°11′56″, long 115°35′46″ referenced to North American Datum of 1927, in SW ¼ NW ¼ sec.23, T.11 S., R.13 E., Imperial County, CA, Hydrologic Unit 18100200, on left bank, 1.0 mi upstream from mouth, and 4.5 mi southwest of Niland.

DRAINAGE AREA.--Not determined.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 1943 to September 1960 (monthly discharge only, published in WSP 1743), October 1960 to current year.

GAGE.--Acoustic-velocity meter and water-stage recorder. Elevation of gage is 220 ft below NGVD of 1929, from topographic map. Prior to Oct. 1, 1986, at site 0.4 mi downstream at different datum.

REMARKS.--Records rated fair except for estimated daily discharges, which are poor. Discharge mainly represents seepage and return flow from irrigated areas. See schematic diagram of Salton Sea Basin available from the California Water Science Center.

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

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 10254730, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/10254730.2011.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,100	1,010	758	439	673	568	1,070	951	871	904	1,000	e872
2	1,190	860	731	382	621	727	1,120	960	916	979	907	e879
3	1,460	853	736	407	621	843	e1,170	978	e904	956	892	e902
4	1,200	901	745	482	612	e1,000	e1,140	e1,030	e980	955	e762	e887
5	825	885	760	579	674	e1,050	1,100	e1,080	933	951	e780	e838
6	746	872	713	571	715	1,100	e1,090	1,080	908	915	e797	e762
7	767	931	716	e637	627	1,060	e1,010	1,100	e889	937	e835	e793
8	713	872	730	e645	654	949	e1,050	e1,040	e891	921	e837	e782
9	751	840	733	e655	683	948	1,110	1,020	e861	970	e768	e835
10	786	886	777	621	723	1,010	e1,110	994	e863	924	e792	771
11	797	915	748	578	e732	983	e1,080	e1,050	e888	924	e777	773
12	810	855	693	556	787	1,100	e985	e1,070	e910	935	e800	696
13	888	920	652	566	705	1,010	e964	1,060	e841	820	e813	769
14	927	911	e550	e575	714	e933	1,030	1,040	e829	857	e804	973
15	1,020	854	597	e568	781	e909	1,130	e1,000	e832	914	e775	910
16	1,100	811	578	585	781	e909	1,130	1,030	e824	907	e755	e795
17	1,120	814	554	590	e775	e931	1,130	1,010	e805	889	e792	e750
18	1,060	864	543	603	844	e933	1,090	e977	e837	908	e801	e744
19	961	863	513	622	1,010	e912	e1,080	984	e862	938	e839	e736
20	825	868	e507	634	965	932	e1,090	1,030	e790	961	e884	e771
21	737	879	e524	681	568	937	e1,050	1,010	e759	e994	e850	e801
22	725	832	e510	692	517	875	980	981	841	e954	e856	e825
23	850	777	516	765	486	936	1,050	e1,010	918	e987	e852	e875
24	823	813	e516	713	490	972	e1,060	992	922	1,000	e851	e882
25	840	795	e478	701	493	896	e968	e1,060	831	982	e819	e861
26	862	701	464	714	512	876	e983	1,060	e801	958	e837	e849
27	868	678	435	771	527	855	941	1,020	839	e937	e845	e922
28	894	683	467	793	527	794	932	968	848	e922	e840	e995
29	993	701	491	766	---	e822	e1,000	e852	870	991	e821	e981
30	969	758	484	758	---	e984	e988	e927	837	975	e848	e973
31	990	---	459	714	---	1,050	---	864	---	970	e875	---
Total	28,597	25,202	18,678	19,363	18,817	28,804	31,631	31,228	25,900	29,135	25,704	25,202
Mean	922	840	603	625	672	929	1,054	1,007	863	940	829	840
Max	1,460	1,010	777	793	1,010	1,100	1,170	1,100	980	1,000	1,000	995
Min	713	678	435	382	486	568	932	852	759	820	755	696
Ac-ft	56,720	49,990	37,050	38,410	37,320	57,130	62,740	61,940	51,370	57,790	50,980	49,990

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	931	760	640	635	739	957	1,086	977	842	842	842	891
Max	1,159	851	792	834	970	1,144	1,272	1,182	992	1,027	1,278	1,271
(WY)	(1964)	(1991)	(1973)	(1972)	(1964)	(1963)	(1980)	(1975)	(2001)	(1963)	(1977)	(1962)
Min	742	616	416	396	480	734	797	684	646	636	656	667
(WY)	(1986)	(1966)	(1986)	(1978)	(2010)	(1987)	(1965)	(1964)	(1964)	(1985)	(1986)	(1992)

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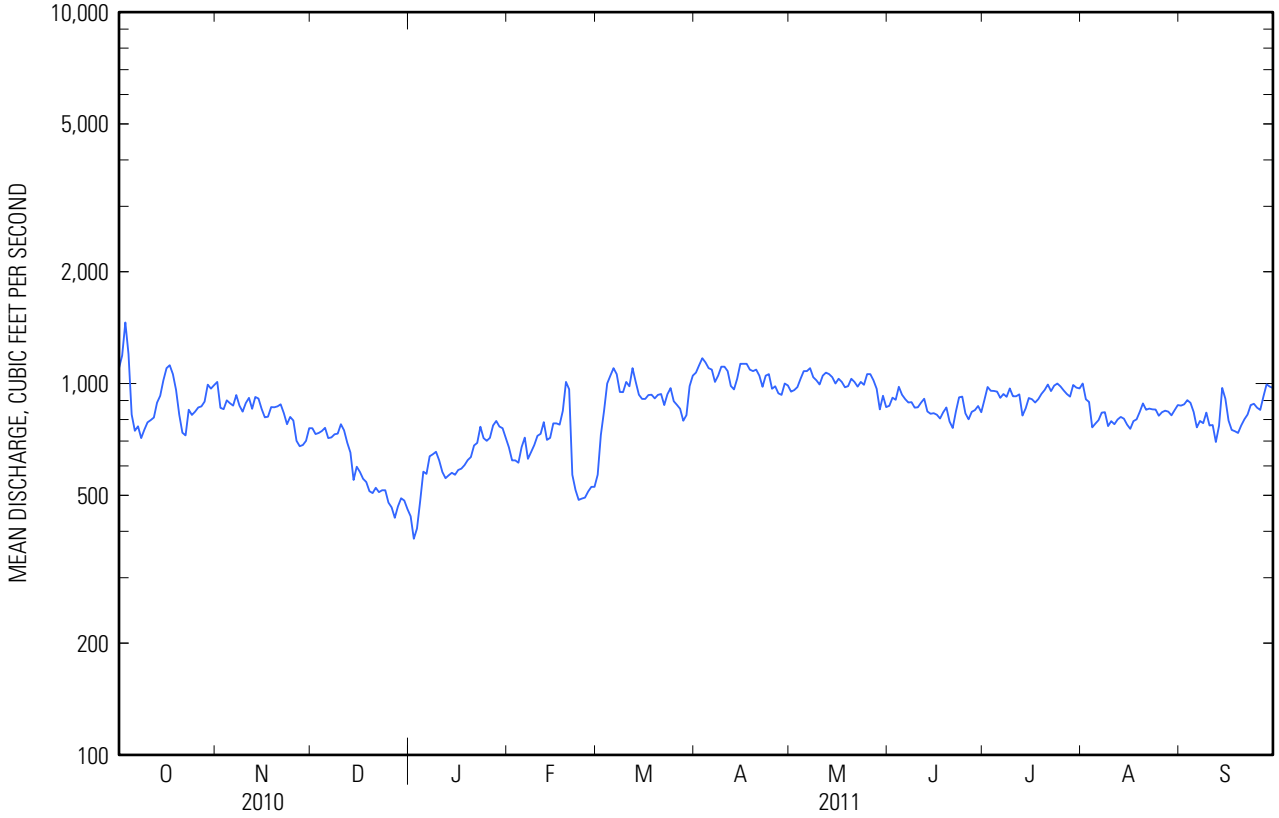
SUMMARY STATISTICS

[e, Estimated]

	Calendar Year 2010		Water Year 2011		Water Years 1961 - 2011	
Annual total	296,091		308,261			
Annual mean	811		845		845	
Highest annual mean					991	1963
Lowest annual mean					680	1986
Highest daily mean	1,460	Oct 3	1,460	Oct 3	[e]4,500	Aug 17, 1977
Lowest daily mean	340	Feb 4	382	Jan 2	288	Jan 2, 1966
Annual seven-day minimum	351	Jan 30	447	Dec 28	323	Dec 27, 1965
Annual runoff (ac-ft)	587,300		611,400		612,400	
10 percent exceeds	1,070		1,050		1,090	
50 percent exceeds	818		857		842	
90 percent exceeds	497		579		606