

Water-Data Report 2013

11149400 Nacimiento River below Nacimiento Dam, near Bradley, CA

Salinas River Basin

LOCATION.--Lat 35°45'41", long 120°51'16" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec.14, T.25 S., R.10 E., San Luis Obispo County, CA, Hydrologic Unit 18060005, on Camp Roberts Military Reservation, on left bank, 2.2 mi downstream from Nacimiento Dam, and 7.6 mi southwest of Bradley.

DRAINAGE AREA.--329 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1957 to current year.

CHEMICAL DATA: Water years 1963-66.

REVISED RECORDS.--WDR CA-84-2: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 597 ft above NGVD of 1929, surveyed from US Army Corps of Engineers bench mark.

REMARKS.--Records rated good. Flow regulated by Lake Nacimiento (formerly Nacimiento Reservoir) beginning in February 1957, usable capacity, 340,000 acre-ft. No diversion upstream from station. See schematic diagram of Salinas River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,110 ft³/s, Mar. 27, 2011, gage height, 12.18 ft; no flow at times in 1958-63, 1965, 1977, 1990.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	39	67	59	62	60	60	60	71	59	35	38	372
2	23	67	61	62	60	59	59	63	58	25	37	369
3	24	62	60	62	60	60	62	171	31	20	56	295
4	25	62	60	62	60	59	64	258	32	337	304	141
5	34	64	60	62	60	61	64	259	39	416	373	217
6	215	69	60	62	60	64	63	223	48	417	411	360
7	361	66	60	62	60	64	64	169	62	265	409	366
8	360	60	70	61	59	64	63	169	61	41	409	368
9	358	60	71	61	59	69	61	169	61	42	409	368
10	362	60	65	61	60	68	63	169	43	58	407	368
11	361	60	59	60	59	67	64	168	29	241	405	367
12	354	60	60	61	71	66	64	168	27	415	380	367
13	349	59	58	62	69	65	65	169	43	415	195	367
14	357	60	58	60	68	65	66	160	64	414	46	366
15	361	60	58	60	64	64	64	84	62	392	48	365
16	353	60	58	60	63	65	63	56	62	231	73	350
17	328	61	58	60	63	65	62	56	61	37	45	363
18	360	62	60	60	63	65	63	56	34	43	73	364
19	332	61	60	60	63	64	64	56	26	43	74	364
20	260	61	60	60	63	64	64	56	26	38	79	364
21	246	61	60	60	63	64	63	56	48	39	55	363
22	170	62	61	60	63	64	62	57	71	38	63	360
23	73	61	61	61	63	64	61	57	71	36	54	359
24	65	61	62	61	63	63	62	56	40	36	75	361
25	68	62	62	61	63	63	63	57	25	64	75	361
26	67	61	62	61	62	62	62	58	34	112	160	361
27	68	61	61	62	62	62	64	57	63	105	201	361
28	68	146	62	61	61	61	62	51	63	105	66	360
29	67	69	62	61	---	61	61	33	65	53	56	360
30	66	59	62	62	---	60	62	59	67	54	265	359
31	66	---	62	62	---	60	---	59	---	39	373	---
Total	6,240	1,944	1,892	1,892	1,744	1,962	1,884	3,350	1,475	4,606	5,714	10,466
Mean	201	64.8	61.0	61.0	62.3	63.3	62.8	108	49.2	149	184	349
Max	362	146	71	62	71	69	66	259	71	417	411	372
Min	23	59	58	60	59	59	59	33	25	20	37	141
Ac-ft	12,380	3,860	3,750	3,750	3,460	3,890	3,740	6,640	2,930	9,140	11,330	20,760

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	200	151	115	243	502	259	169	210	295	376	392	318
Max	501	708	1,629	3,341	4,830	3,016	1,501	1,067	581	662	802	684
(WY)	(1983)	(2006)	(1983)	(1997)	(1998)	(1969)	(1958)	(1983)	(1969)	(1958)	(1967)	(1995)
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.16	2.44	0.00	0.00
(WY)	(1958)	(1958)	(1958)	(1962)	(1962)	(1961)	(1961)	(1961)	(1990)	(1990)	(1961)	(1961)

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SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1958 - 2013	
Annual total	79,976		43,169			
Annual mean	219		118		268	
Highest annual mean					1,038	1983
Lowest annual mean					3.43	1990
Highest daily mean	447	Jun 12	417	Jul 6	6,770	Feb 26, 1969
Lowest daily mean	23	Oct 2	20	Jul 3	0.00	Oct 1, 1957
Annual seven-day minimum	58	Dec 11	39	Jul 18	0.00	Oct 1, 1957
Maximum peak flow			420	Jul 6	8,110	Mar 27, 2011
Maximum peak stage			3.55	Jul 6	12.18	Mar 27, 2011
Annual runoff (ac-ft)	158,600		85,630		193,900	
10 percent exceeds	386		361		483	
50 percent exceeds	220		62		146	
90 percent exceeds	60		46		3.2	

