

## APPENDIX H

### HYDROLOGIC RECORDS FOR GAUGING STATIONS ON OR NEAR CAMP PENDLETON

Stream Gage Station and Gage Station Number	Period of Record (water year <sup>c</sup> or month/year)	Minimum Daily Runoff (acre-feet)	Maximum Daily Runoff (acre-feet)	Average Daily Runoff (acre-feet)	Annual Total (acre-feet)
San Mateo Creek near San Clemente 11046300	1953 – 1976; 1990 – 1993	13 <sup>d</sup> (Min. for grouped years)	62,699 (Max. for grouped years)	8,230 <sup>f</sup>	
	1993 – 94	0	454	8.81	3,210
	94 – 95	0	4,284	117.43	42,880
	95 – 96	0	63	7.72	2,820
	96 – 97	0	883	14.42	5,270
	97 – 98	0	6,248	130.3	47,570
	98 – 99	0	16	4.7	1,710
	99 – 00	0	218	6.55	2,400
	2000 – 01 <sup>e</sup>	0	460	8.76	3,200
	01 – 02	0	1	0.26	93
	02 – 03	0	1,618	19.26	7,030
Cristianitos Creek above San Mateo Creek, near San Clemente 11046360	1993 – 94 <sup>e</sup>	0	12	0.13	48
	94 – 95 <sup>e</sup>	0	1637	32.08	11750
	95 – 96 <sup>e</sup>	0	46	0.34	124
	96 – 97 <sup>e</sup>	0	437	3.5	1280
	97 – 98 <sup>e</sup>	0	2772	49.9	18270
	98 – 99 <sup>g</sup>	0	0	0	0
	99 – 00	0	61	0.4	144
	2000 – 01	0	143	1.72	627
	01 – 02	0	13	0.07	27
	02 – 03	0	542	2.6	947
Santa Margarita River near Fallbrook <sup>b</sup> 11044300	10/1924 – 1/80; 09/89 – 09/93	1,410 (Min. for grouped years)	159,000 (Max. for grouped years)	19,940 <sup>f</sup>	
	1993 – 94	3.17	1,444	32.73	11,950
	94 – 95 <sup>e</sup>	6.54	7,101	155.92	56,910
	95 – 96	4.17	823	21.42	7,870
	96 – 97 <sup>e</sup>	2.38	1,543	32.93	12,040
	97 – 98 <sup>e</sup>	3.17	9,521	176.16	64,270
	98 – 99 <sup>e</sup>	5.36	158	16.62	6,070
	99 – 00	1.94	1,275	20.43	7,460
	2000 – 01	2.77	860	29.95	10,950
	01 – 02	1.96	317	10.38	3,790
02 – 03	4.17	4959	75.98	27,700	

MCB Camp Pendleton, California

Stream Gage Station and Gage Station Number	Period of Record (water year <sup>c</sup> or month/year)	Minimum Daily Runoff (acre-feet)	Maximum Daily Runoff (acre-feet)	Average Daily Runoff (acre-feet)	Annual Total (acre-feet)
Santa Margarita River at Ysidora <sup>b</sup> 11046000 until 1998 Resumed 2001 to present	03/1923 – 09/93	0 (Min. for grouped years)	244,400 (Max. for grouped years)		25,012 <sup>f</sup>
	1993 – 94	0	1,448	51.97	18,950
	94 – 95	0	11,208	365	133,000
	95 – 96	0	1,085	30.55	11,180
	96 – 97	0	3,491	72.41	26,450
	97 – 98	0	12,736	301	110,200
Santa Margarita River near Ysidora <sup>i</sup> 11045050 1999 to 2001	1998 – 99	Incomplete data, see notes *			
	99 – 00	0	857	12.83	4,700
	2000 – 01	0	1,297	28.37	10,350
	01 – 02	0	125	12.28	4,480
	02 – 03 <sup>e</sup>	0	6,030	106	38,650
De Luz Creek near Fallbrook <sup>a, b</sup> 11044900 02/2003 discontinued	02/1951 – 09/65; 10/89 – 09/90; 04/02 – 02/03	0 (Min. for grouped years)	252 (Max. for grouped years)	9 <sup>f</sup>	
Fallbrook Creek near Lake O'Neill <sup>a</sup> 11045300	10/1964 – 09/76; 10/89 – 09/93	32 (Min. for grouped years)	6,247 (Max. for grouped years)	1,491 <sup>f</sup>	
	1993 – 94	0	65	2.24	818
	94 – 95	0	507	9.13	3,330
	95 – 96	0	40	1.92	702
	96 – 97 <sup>e</sup>	0.02	192	3.59	1,310
	97 – 98 <sup>e</sup>	0.04	361	9.46	3,460
	98 – 99	0.02	18	1.29	470
	99 – 00	0	46	1.11	406
	2000 – 01	0	95	1.73	627
	01 – 02	0	1	0.35	127
	02 – 03	0	171	2.66	967
Las Flores Creek near Oceanside 11046100	1993 – 94	0	7	0.23	81
	94 – 95	0	1,343	23.61	8,630
	95 – 96	0.12	17	1.01	372
	96 – 97	0.2	444	4.88	1,780
	97 – 98	0.1	2,083	32.14	11,730
	98 – 99	0.75	4	1.59	577
	99 – 00	0.08	17	1.05	382
	2000 – 01	0.04	24	0.75	276
	01 – 02 <sup>e</sup>	0	1	0.21	76
02 – 03 <sup>e</sup>	0	304	2.04	744	

<b>Stream Gage Station and Gage Station Number</b>	<b>Period of Record (water year <sup>c</sup> or month/year)</b>	<b>Minimum Daily Runoff (acre-feet)</b>	<b>Maximum Daily Runoff (acre-feet)</b>	<b>Average Daily Runoff (acre-feet)</b>	<b>Annual Total (acre-feet)</b>
Las Flores Creek at Las Pulgas Canyon, near Oceanside 11046090	1998 – 99	0.14	8	2.7	988
	99 – 00	0	13	0.87	318
	2000 – 01	0	15	0.81	299
	01 – 02	0	1	0.2	74
	02 – 03 <sup>e</sup>	0	125	2.04	746
San Onofre Creek at San Onofre <sup>a, b</sup> 11046250	1952 – 1976	0 (Min. for grouped years)	14,684 (Max. for grouped years)	1,581 <sup>f</sup>	
	1998 – 99	0	0	0	0
	99 – 00	0	99	1.03	379
	2000 – 01	0	105	0.46	169
	01 – 02	0	0.04	0	0.04
	02 – 03 <sup>e</sup>	0	677	3.33	1,210

<sup>a</sup> Source: pre 1993 data (AC/S ES records, Camp Pendleton), 1994– 2003 stream gage data (U.S. Geological Survey (USGS 2003) Water Resources of California web site. <http://ca.water.usgs.gov>).

<sup>b</sup> U.S. Geological Survey records. (Several of the active gage stations were temporarily out of commission as a result of the January 1993 flood and flows were estimated in the interim.)

<sup>c</sup> Water year runs from 1 October to 30 September of the succeeding year.

<sup>d</sup> Minimum runoff for grouped years shown.

<sup>e</sup> Estimated data.

<sup>f</sup> Average runoff for grouped years.

<sup>g</sup> Gage damaged, estimated no flow for entire 1999 water year.

<sup>h</sup> Gage out of operation from November to April, not complete data set.

<sup>i</sup> Gage temporarily out of operation as of Feb. 26, 1999, due to channel work and replacement of Basilone Road Bridge. New gage station number (11045050), stream gage station name “Santa Margarita River near Ysidora” and location.

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