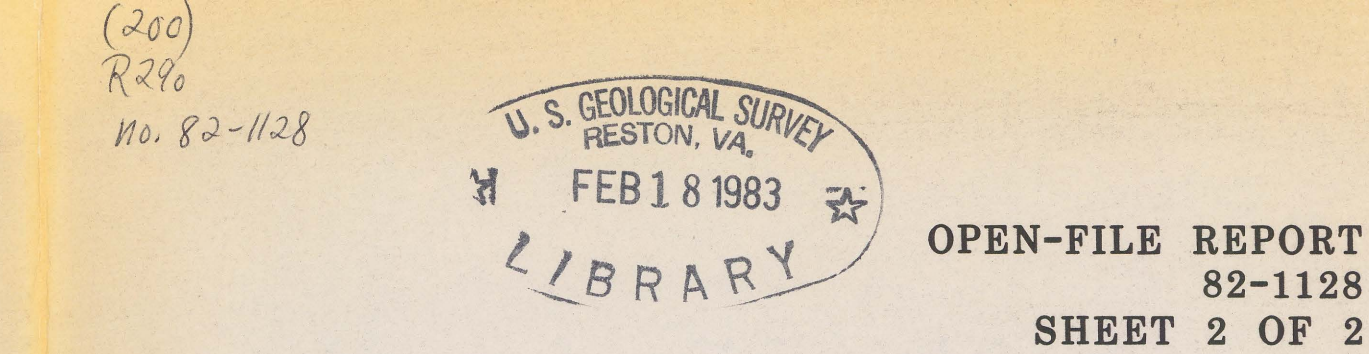


DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY



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TABLE 2.—Statistical data summarizing the permanence of and depth to shallow ground water levels in areas of shallow ground water in the upper Santa River valley region (excluding the greater Santa Ana River area)

[Addresses three different intervals of time. A statistical evaluation of the entire 1973-1979 period summarizes typical groundwater conditions during the six-year period of record. Statistical evaluations of two periods—from April 1976 through September 1977, and from April 1978 through September 1979—provide a comparison between groundwater levels occurring during a relatively dry interval of time (1976-1977) and groundwater levels occurring during a relatively wet interval of time (1978-79)]

				1973 - 1979 (total study period)										April 1976 - September 1977 (deep ground water interval)										April 1978 - September 1979 (shallow ground water interval)									
Shallow groundwater area	Map location No.	Areal designation	State well No.	Number of measurements	Years with measurements	Mean(ft)	Standard deviation	Percentage of measurements		Years with measurements		Depth to ground water(ft)		Minimum	Maximum	Number of measurements	Mean	Standard deviation	Percentage of measurements		Depth to ground water(ft)		Minimum	Maximum	Number of measurements	Mean	Standard deviation	Percentage of measurements		Depth to ground water(ft)			
								≤ 50(ft)	≤ 30(ft)	≤ 50(ft)	≤ 30(ft)	≤ 50(ft)	≤ 30(ft)						≤ 50(ft)	≤ 30(ft)	≤ 50(ft)	≤ 30(ft)						≤ 50(ft)	≤ 30(ft)	≤ 50(ft)	≤ 30(ft)	≤ 50(ft)	≤ 30(ft)
Southwest of Laverne	119	U-05-B2	01S/09W-11801	10	73-78	41.6	13.1	80	10	73.75-78	78	23.9	67.5	3	26.6	0.7	100	0	35.0	37.3	1	23.9	0	100	100	23.9	23.9						
	119	U-05-B2	01S/09W-11802	25	73-79	23.2	3.4	100	100	73-79	73-79	12.5	25.6	3	24.8	0.2	100	100	24.5	25.0	3	14.9	3.2	100	100	12.5	18.5						
	120	U-05-B2	01S/09W-12N01	12	73-79	41.4	6.5	100	17	73-78	78,79	29.1	46.9	3	46.3	0.6	100	0	45.7	46.9	1	32.4	5.2	100	67	38.4	38.4						
	120	U-05-B2	01S/09W-12N03	22	73-78	69.0	1.7	0	0	---	---	63.1	70.9	3	68.6	1.3	0	0	67.1	69.5	1	63.1	---	0	---	---	63.1	63.1					
South of Pomona	228	Y-01-B1	02S/08W-05M01	10	74,75	20.6	1.5	100	100	74,75	74,75	19.1	23.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---				
Claremont	168	Y-01-B2	01S/08W-09D03	4	78,79	Flow	---	100	100	78,79	78,79	Flow	Flow	---	---	---	---	---	---	---	---	---	---	---	4	Flow	---	100	100	Flow	Flow		
San Antonio wash	149	Y-01-B3	01S/08W-02D01	52	73-79	150.1	57.9	8	0	78	---	38.1	309.3	15	205.1	42.7	0	0	179.3	309.3	17	81.8	23.8	24	0	38.1	107.3						
	149	Y-01-B3	01S/08W-02D02	46	73-79	133.8	48.7	9	2	78	78	26.9	195.5	8	184.5	5.1	0	0	178.7	193.9	14	171.6	25.7	29	0	115.0	65.0						
	150	Y-01-B1	01S/08W-02B01	62	73-79	208.6	65.6	2	0	78	---	43.5	290.0	15	267.1	16.4	0	0	239.0	290.0	13	104.1	37.4	8	0	43.5	148.0						
	150	Y-01-B3	01S/08W-02B02	59	73-79	200.9	63.5	2	0	78	---	47.8	276.3	13	260.4	15.4	0	0	236.3	276.3	16	113.2	36.3	6	0	47.8	149.3						
	154	Y-01-B3	01S/08W-03D02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---				
	154	Y-01-B3	01S/08W-03D04	59	73-79	129.8	26.5	2	0	78	---	35.1	158.3	3	150.0	4.5	0	0	140.4	156.1	6	68.1	25.5	17	0	105.1	110.5						
	155	Y-01-B3	01S/08W-02R01	28	73-79	129.9	50.2	11	0	78	---	43.0	212.0	3	194.0	23.1	0	0	212.0	212.0	3	114.1	14.7	87	0	82.0	82.0						
	161	Y-01-B3	01S/08W-03J01	12	73-79	91.3	37.8	17	17	78,79	78,79	14.5	139.9	3	118.4	11.3	0	0	106.0	128.1	3	69.8	51.1	67	67	108.4	114.5						
	162	Y-01-B1	01S/08W-02M03	8	73-76,78	92.0	28.4	13	0	78	---	46.1	135.7	2	128.3	10.4	0	0	121.0	135.7	1	46.1	---	100	0	46.1	46.1						
	Upland	142	Y-01-B4	01N/07W-32R02	30	74-79	220.7	36.1	0	0	---	---	---	---	9	254.0	7.4	0	0	249.1	272.2	10	205.4	20.4	0	0	161.0	235.1					
142		Y-01-B4	01N/07W-32R03	68	75-79	109.5	56.1	25	13	78,79	78,79	19.0	172.0	18	119.5	12.9	0	0	101.0	147.0	15	27.3	5.5	100	60	15.1	35.0						
Cajon Wash	1	Y-01-B3	01N/08W-24B01	36	73-79	127.4	33.4	6	6	79	79	Flow	144.0	15	134.7	7.4	0	0	118.0	143.0	2	Flow	---	---	100	100	Flow	Flow					
	4	U-05-B3	01N/08W-25B01	13	73-79	22.7	9.1	100	77	73-79	73-76,78,79	2.0	33.1	3	29.3	4.3	100	33	24.7	33.1	3	11.6	11.9	100	100	2.0	25.0						
	168	Y-01-B2	01N/08W-27B01	73	73-79	51.8	7.7	23	8	78,79	78	28.2	57.9	5	56.0	1.4	0	0	53.4	56.1	3	41.3	11.9	100	33	28.2	49.9						
	18	U-05-B3	01N/08W-33A01	60	73-79	36.7	10.2	100	17	73-79	74,78,79	3.0	48.2	18	40.4	3.2	100	0	33.2	45.0	6	22.4	13.1	100	67	10.5	41.5						
	136	U-05-B3	01N/08W-33A01	1	73-77	35.4	4.4	100	22	73-77	74,75	27.7	39.9	3	36.2	2.1	100	0	34.9	38.6	---	---	---	---	---	---	---	---					
	136	U-05-B3	01N/08W-32P08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---				
	145	U-05-B3	01S/08W-05B01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---				
	146	U-05-B3	01S/08W-05A02	26	73-79	53.2	16.0	15	12	78,79	78,79	4.5	65.1	3	61.6	3.1	0	0	58.1	63.9	3	21.4	22.6	100	67	4.5	47.1						
	147	U-05-B3	01S/08W-04D01	63	73-79	97.3	29.0	13	5	78,79	78	18.5	131.9	18	115.8	17.5	0	0	100.7	176.5	11	44.9	25.0	73	27	18.5	91.4						
	Lytle Creek Canyon	30	Y-01-D2	01N/05W-06D01	29	73,74,75-79	56.9	12.3	28	0	78,79	---	30.4	95.9	1	80.4	---	0	0	80.4	80.4	19	52.8	9.9	32	0	30.4	66.8					
30		Y-01-D2	01N/05W-06D02	26	73-77	86.9	20.3	4	0	74	---	48.4	143.1	10	100.1	16.2	0	0	70.0	113.0	---	---	---	---	---	---	---	---					
Lytle Creek Fan	32	Y-01-D3	01N/05W-17D01	57	73-79	59.9	8.4	14	0	74,78,79	---	36.0	82.0	13	66.9	1.8	0	0	65.0	72.0	17	55.4	10.7	24	0	36.0	83.0						
	33	Y-01-D3	01N/05W-17K01	58	73-79	59.3	10.6	16	2	74,78,79	78	25.0	75.0	15	68.8	1.4	0	0	72.6	73.5	17	54.8	13.5	47	0	35.5	82.5						
Cajon Wash	27	Y-01-B2	02N/05W-33K01	21	73,77-79	58.0	27.6	43	19	78,79	78	2.7	84.0	5	84.0	0.6	0	0	83.5	85.1	10	32.7	16.0	80	40	2.7	56.6						
	45	Y-01-B2	01N/04W-06H01	25	73-75,78,79	43.2	2.2	100	0	73-75,78,79	---	37.3	47.1	---	---	---	---	---	---	---	10	41.8	0.8	100	0	40.2	43.0						
Southwest base of the San Bernardino Mts.	45	Y-01-B2	01N/04W-06H02	40	73-75,78,79	28.4	1.3	100	88	73-75,78,79	73-75,78,79	25.5	31.2	---	---	---	---	---	---	10	27.5	0.6	100	100	26.2	28.3							
	50	Y-01-B2	01N/04W-14R08	36	73-79	14.4	1.6	100	100	73-79	73-79	9.9	18.4	---	---	---	---	---	---	8	14.1	1.0	100	100	11.9	15.2							
Santa Ana floodplain	464	Y-01-B2	01S/03W-01R01	48	73-76	242.3	13.9	0	0	---	---	216.0	273.0	12	259.8	5.5	0	0	251.9	273.0	---	---	---	---	---	---	---	---					
	467	Y-01-B2	01S/03W-02J01	135	73-79	128.3	39.3	8	1	78,79	79	27.1	179.9	39	160.0	6.7	0	0	148.4	179.9	27	59.0	26.7	41	7	27.1	137.4						
	468	Y-01-B2	01S/03W-06M01	69	73-76	250.4	16.1	0	0	---	---	236.2	262.1	19	255.7	3.5	0	0	246.7	262.1	---	---	---	---	---	---	---	---					
	471	Y-01-B2	01S/03W-06M02	153	73-79	63.6	4.1	3	0	---	---	134.8	165.6	14	161.7	2.2	0	0	157.5	165.6	---	---	---	---	---	---	---	---					
	475	Y-01-B2	01S/02W-07K01	34	73,74	232.0	15.2	0	0	---	---	193.8	255.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
	477	Y-01-B2	01S/03W-11H01	9	74	149.3	12.4	0	0	---	---	127.2	164.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
	478	Y-01-B2	01S/03W-12J01	1	74	193.3	10.4	0	0	---	---	178.6	212.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
	479	Y-01-B2	01S/02W-07K01	21	74	180.3	22.3	0	0	---	---	147.5	211.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
	515	Y-01-B7	01S/02W-08D01	135	73-79	63.4	15.8	22	2	74,78,79	78	15.9	82.3	39	68.5	8.6	0	0	51.5	82.3	27	41.5	9.0	89	0	31.2	67.2						
	515	Y-01-B7	01S/02W-08D02	115	73-78	67.4	15.7	14	3	74,77,78	78	1																					