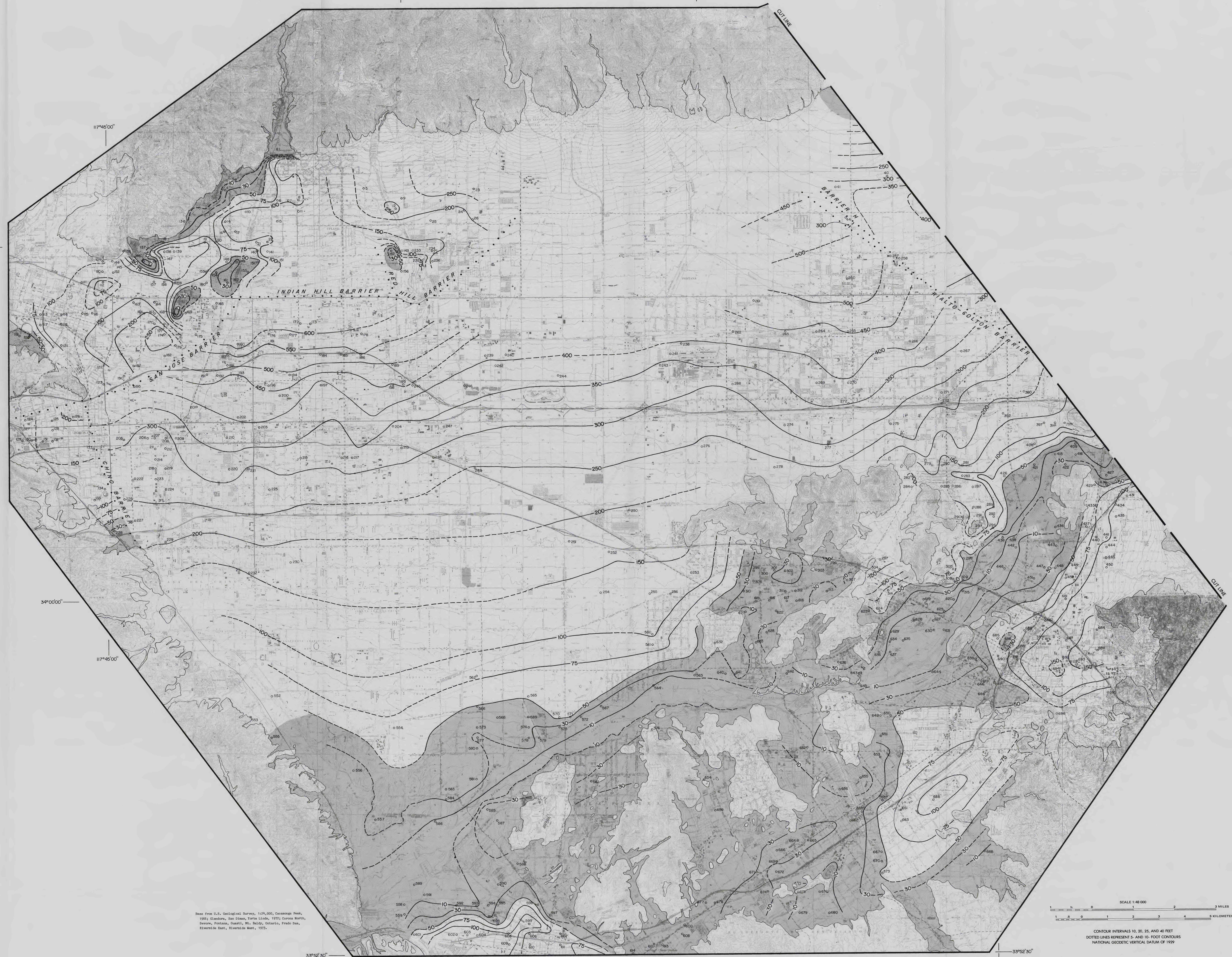
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

MISCELLANEOUS FIELD STUDIES
MAP MF-1802
SHEET 2 OF 2

TABLE 2.--Data summarizing the permanence of and depth to shallow ground water in the greater Santa Ana River area, 1973-1979

Map location No.	Areal designation	State well No.	Number of measure-ments	Years with measure-ments	Years with measurements ≤ 50(ft)	Years with measurements ≤ 30(ft)	Depth to ground water(ft) Minimum	Depth to ground water(ft) Maximum
295	Y-01.B1	02S/06W-01Q01	10	73-79	73-79	78,79	20.2	48.5
296	Y-01.B1	02S/05W-07F01	10	73-78	73-78	-	31.7	41.7
298	Y-01.B1	02S/05W-10G01	2	74,75	-	-	57.9	61.3
298	Y-01.B7	02S/05W-10G07	31	73-79	78,79	-	45.9	57.4
299	Y-01.B1	02S/06W-11K03	9	73-76,78,79	73-76,78,79	73-76,78,79	21.4	30.5
300	Y-01.B1	02S/06W-11J02	10	73-79	73-79	73-79	18.2	28.7
301	Y-01.B1	02S/06W-12M03	22	73-79	73-79	73-79	16.8	26.7
302	Y-01.B1	02S/06W-12L01	10	73-79	73,74,79	-	46.8	61.7
303	Y-01.B1	02S/05W-07M01	2	74,76	74,76	74,76	16.1	19.1
306	Y-01.B1	02S/06W-11Q01	10	73-79	73-79	73-79	21.8	28.3
307	Y-01.B1	02S/05W-07R03	7	74-78	74-78	74-78	9.5	16.6
309	Y-01.B7	02S/05W-10Q04	17	75-78	75-78	-	34.0	43.8
310	Y-01.B1	02S/06W-14C02	10	73-79	73-79	73,78	28.7	33.8
311	Y-01.B1	02S/06W-13C06	8	73-75,78,79	73-75,78,79	73,74,78,79	19.9	34.8
311	Y-01.B1	02S/06W-13C07	3	73,76,78	73,76,78	73,76,78	22.7	29.0
312	Y-01.B1	02S/06W-13B04	4	73-75	73-75	73-75	20.7	27.0
312	Y-01.B1	02S/06W-13B06	7	73-75,78,79	73-75,78,79	73,74,78,79	24.4	35.5
313	Y-01.B1	02S/05W-18C02	10	73-79	73-79	-	39.9	47.4
315	Y-01.B7	02S/05W-15B06	6	75-79	75-79	75-79	7.5	14.3
316	Y-01.B7	02S/05W-14D01	31	73-79	73-79	73-79	6.4	16.9
387	Y-01.D4	01S/04W-21K01	8	73,78,79	73,79	-	40.0	74.0
387	Y-01.D4	01S/04W-21K06	2	78	78	-	41.7	79.1
387	Y-01.D4	01S/04W-21K09	4	75,76	-	-	56.8	56.8
387	Y-01.D4	01S/04W-21K10	4	76	-	-	Dry	Dry
387	Y-01.D4	01S/04W-21K11	43	74-78	78	78	29.8	98.2
388	Y-01.D4	01S/04W-21J01	2	78	78	78	28.2	59.0
388	Y-01.D4	01S/04W-21J04	2	78	78	78	27.8	29.3
388	Y-01.D4	01S/04W-21J05	6	76,78	76,78	-	32.4	42.9
388	Y-01.D4	01S/04W-21J06	2	78	78	-	31.8	38.2
400	Y-01.D4	01S/04W-28D01	68	73-79	79	79	30.0	81.4
404	Y-01.B7	01S/04W-29H01	117	73-79	78,79	78,79	25.7	84.8
404	Y-01.B7	01S/04W-29H02	60	73-77	76	-	49.4	78.7
405	Y-01.D4	01S/04W-28E01	11	73-79	73-79	78,79	15.2	47.8
409	Y-01.B7	01S/04W-30L02	1	73	73	73	15.0	15.0
410	Y-01.B7	01S/04W-28M01	10	73-79	78,79	79	28.1	83.1
411	Y-01.B7	01S/04W-28L01	42	73-77	-	-	52.0	64.3
411	Y-01.B7	01S/04W-28L02	13	73,74,77-79	78,79	-	36.8	91.0
412	Y-01.D4	01S/04W-28K01	40	73-79	78,79	-	36.9	84.2
412	Y-01.D4	01S/04W-28K02	66	73-79	78,79	-	33.1	67.2
415	Y-01.B7	01S/05W-25R04	23	74-79	74-79	78,79	18.3	34.9
416	Y-01.B7	01S/04W-30P01	6	75-79	75-79	76-79	12.0	31.4
417	Y-01.B7	01S/04W-29Q01	100	73-79	73,75,78,79	78,79	13.1	69.4
417	Y-01.B7	01S/04W-29Q03	63	73-79	78,79	78,79	24.2	77.0
417	Y-01.B7	01S/04W-29Q04	78	74-79	78,79	78,79	21.4	83.6
418	Y-01.B1	01S/04W-29R01	68	73-79	78,79	78,79	24.6	86.7
419	Y-01.B7	01S/04W-28N05	35	73-79	78,79	79	25.4	71.2
421	Y-01.B7	01S/05W-36C11	9	73-79	73,74,78,79	-	39.6	54.7
422	Y-01.B7	01S/04W-31D02	19	76-79	78,79	-	42.8	196.8
423	Y-01.B7	01S/04W-32B01	8	73-79	78,79	78,79	19.9	63.5
423	Y-01.B7	01S/04W-32B02	9	73-79	75,78,79	78,79	20.5	71.2
424	Y-01.B7	01S/04W-33B03	10	73-79	-	-	72.7	99.0
424	Y-01.B7	01S/04W-33B05	72	73-79	78,79	-	40.0	98.5
427	Y-01.B7	01S/04W-32E07	9	73-78	73-76,78	78	22.3	51.6
427	Y-01.B7	01S/04W-32E10	4	73-75	73-75	-	41.9	44.7
427	Y-01.B7	01S/04W-32E11	4	74,75,78	74,75,78	78	18.7	49.7
428	Y-01.B7	01S/04W-32G04	9	73-78	74,75,78	78	19.2	64.0
430	Y-01.B7	01S/04W-32M01	82	73-79	78,79	-	35.8	82.0
430	Y-01.B7	01S/04W-32M03	18	75-77	-	-	67.2	68.2
436	Y-01.B7	02S/05W-01J01	3	74,75,79	74,75,79	79	6.5	37.9
436	Y-01.B7	02S/05W-01J02	2	79	79	79	21.9	23.0
438	Y-01.B7	02S/05W-02Q07	51	73-78	73-78	73-78	11.1	30.4
439	Y-01.B7	02S/05W-02R01	30	73-78	73-78	73-78	10.7	36.9
439	Y-01.B7	02S/05W-02R02	39	73-78	73-78	73-78	9.4	32.6
439	Y-01.B7	02S/05W-02R03	30	73-78	73-78	73-78	9.0	24.1
442	Y-01.B7	02S/05W-11A01	44	73-78	73-78	73-78	8.7	23.8
443	Y-01.B7	02S/05W-12A01	26	74-79	74-79	74-79	17.8	113.4
446	Y-01.B7	02S/05W-11K02	24	73-79	73-79	73-79	8.5	21.1
447	Y-01.B7	02S/05W-12K02	30	74-79	74-79	74-79	17.8	38.3
448	Y-01.B7	02S/05W-12J01	12	73,74	73,74	-	41.2	48.9
451	Y-01.B7	02S/05W-12P01	31	73-79	73-79	74,75,77-79	15.9	40.6
555	Y-01.B1	02S/08W-35J01	1	78	-	-	277.0	277.0
555	Y-01.B1	02S/08W-35J02	1	78	-	-	293.0	293.0
556	Y-01.B1	03S/07W-06H02	4	73,74	73,74	73,74	11.1	12.4
557	Y-01.B1	03S/07W-08L01	29	73-77	73-77	-	42.3	44.9
558	Y-01.B5	03S/07W-21M01	-	-	-	-	-	-
558	Y-01.B5	03S/07W-21M02	10	73-75	73-75	73-75	-0.9	0.2
559	Y-01.B5	03S/07W-21N01	8	74-77,79	74-77,79	74-77,79	1.1	11.6
563	Y-01.B1	02S/06W-27D04	8	73-78	73-78	73-78	19.1	23.8
564	Y-01.B1	02S/06W-28E01	18	73-77,79	73-77,79	73-77,79	12.8	13.5
566	Y-01.B1	02S/07W-27R01	2	74,75	75	-	49.2	51.4
567	Y-01.B1	02S/06W-30R03	19	73-76	73-76	73-76	25.2	32.8
568	Y-01.B1	02S/07W-35C02	11	73-79	74,75,78,79	-	45.0	57.6
569	Y-01.B1	02S/07W-36D01	10	73-78	73-76,78	-	41.5	56.9
572	Y-01.B1	02S/06W-31C02	31	73-79	73-79	73-75,78,79	25.4	37.6
573	Y-01.B1	02S/07W-34H01	12	73-79	73-79	-	32.1	47.9
574	Y-01.B1	02S/07W-36E01	3	73-75	73-75	-	35.2	40.7
575	Y-01.B1	02S/07W-36H02	9	75-79	75-79	79	28.0	35.0
576	Y-01.B1	02S/06W-33E01	9	73-79	76,78,79	-	43.1	Dry
576	Y-01.B1	02S/06W-33E02	10	73-79	73-79	78	30.0	35.0
577	Y-01.B1	02S/07W-34J01	1	74	74	74	27.6	27.6
578	Y-01.B1	02S/07W-36M02	9	73-78	-	-	50.6	59.8
579	Y-01.B1	02S/07W-36L01	1	73	73	73	10.1	10.1
580	Y-01.B1	02S/07W-34R01	1	73	73	-	36.0	36.0
581	Y-01.B1	03S/07W-03J01	7	75-78	75-78	-	39.9	46.1
582	Y-01.B5	03S/06W-06K02	23	73-78	73-78	-	36.2	41.7
583	Y-01.B1	03S/07W-03N01	7	74-79	74-79	-	32.9	44.0
584	Y-01.B1	03S/07W-10D01	3	74,75	74,75	-	31.1	32.4
585	Y-01.B1	03S/07W-11E01	9	75-79	75,77-79	-	45.0	93.0
586	Y-01.B1	03S/07W-09J01	5	74-77	74-77	74-77	8.0	10.2
587	Y-01.B5	03S/07W-11L03	8	75-79	75,79	-	49.9	84.4
588	Y-01.B5	03S/07W-14J02	7	75-79	75,77-79	75,77-79	21.4	148.4
589	Y-01.B5	03S/07W-21C03	-	-	-	-	-	-
590	Y-01.B5	03S/07W-23C03	3	73-75	73-75	73-75	16.1	20.5
591	Y-01.B5	03S/07W-21G01	10	73-77,79	73-77,79	73-77,79	0.2	5.0
592	Y-01.B5	03S/07W-22L01	4	73-75	73-75	73-75	9.9	11.7
593	Y-01.B5	03S/07W-22J02	4	73-75	73-75	73-75	7.4	10.8
594	Y-01.B5	03S/07W-23M02	4	73-75	73-75	73-75	21.9	26.3
595	Y-01.B5	03S/07W-23L01	46	73-78	73-78	-	31.8	46.3
596	Y-01.B5	03S/07W-24L01	4	73-75	73-75	-	41.0	50.2
597	Y-01.B5	03S/07W-24Q03	9	75-79	75-79	78,79	17.0	49.0
597	Y-01.B5	03S/07W-24Q04	8	75-78	75-78	-	38.5	51.5
597	Y-01.B5	03S/07W-24Q05	8	75-79	75-79	78,79	19.0	50.0
598	Y-01.B5	03S/07W-26C01	41	73-75,77-79	78	-	36.2	113.2
600	Y-01.B5	03S/06W-28A02	8	73-79	73-79	78,79	20.6	47.8
608	Y-01.B5	03S/06W-28B01	2	74	-	-	81.7	83.6
612	Y-01.B5	03S/06W-28M01	8	74-79	74-79	78,79	22.7	48.1
612	Y-01.B5	03S/06W-28M02	8	74-79	74-79	78,79	23.8	51.8
613	Y-01.B5	03S/06W-28L03	5	74-76,78	75,78	78	27.7	74.0
613	Y-01.B5	03S/06W-28L04	5	74-78	76-78	78	27.9	52.9
614	Y-01.B5	03S/06W-29Q04	38	73-76,78	73-76,78	78	18.8	61.2
615	Y-01.B1	02S/06W-14Q02	9	73-79	73-79	73-79	18.3	22.5
616	Y-01.B1	02S/06W-14H02	10	73-79	73-79	73-79	14.4	24.0
617	Y-01.B1	02S/06W-13F01	10	73-79	73-79	73,74,76,78,79	23.7	30.9
617	Y-01.B1	02S/06W-13F02	10	73-79	73-79	73-79	12.1	23.4
617	Y-01.B1	02S/06W-13F03	10	73-79	73-79	74,78,79	24.5	35.1
617	Y-01.B1	02S/06W-13F05	10	73-79	73-79	-	34.0	43.7
618	Y-01.B1	02S/06W-13G03	10	73-79	73-79	73,74,78,79	23.8	34.9
619	Y-01.B7	02S/05W-13G04	10	73-79	73-79	73-79	12.7	16.1
620	Y-01.B7	02S/05W-15F06	14	75-77,79	75-77,79	75-77,79	14.0	21.3
621	Y-01.B1	02S/06W-14L01	10	73-79	73-79	73-79	7.0	14.7
622	Y-01.B1	02S/06W-13M02	9	73-79	73-79	73-79	17.1	25.7
622	Y-01.B1	02S/06W-13M03	10	73-79	73-79	73-79	15.8	29.5
623	Y-01.B7	02S/05W-17L01	7	74-79	75,77,78	-	45.7	52.9
625	Y-01.B7	02S/05W-15M01	6	74,75,77-79	74,75,77-79	74,75,77-79	11.8	15.0
626	Y-01.B7	02S/05W-16P01	20	75-78	75-78	75-78	3.3	7.2
627	Y-01.B7	02S/05W-16R01	9	73-79	73-79	73-79	6.3	9.8
628	Y-01.B1	02S/06W-23A01	10	73-79	73-76,78,79	-	41.3	Dry
629	Y-01.B7	02S/05W-20A02	21	75-79	75-79	75-79	8.5	10.9
630	Y-01.B7	02S/05W-21A01	6	73-75,78,79	73-75,78,79	73-75,78,79	1.6	4.6
631	Y-01.B7	02S/05W-22D01	8	73-79	73-79	73-79	2.6	5.3
632	Y-01.B1	02S/06W-22G01	10	73-79	73-79	-	36.2	44.7
633	Y-01.B1	02S/06W-23G01	9	73-75,77,79	73-75,77,79	79	25.5	54.5
633	Y-01.B1	02S/06W-23G04	8	73-76,78,79	73-75,78,79	79	27.1	52.7
634	Y-01.B1	02S/05W-20H05	9	75-79	75-79	75-79	4.8	6.9
635	Y-01.B7	02S/05W-21E01	10	73-79	73-79	73-79	5.3	6.2
636	Y-01.B7	02S/05W-20K01	14	73-79	73-79	73-75	22.8	32.8
636	Y-01.B7	02S/05W-20K03	10	73-79	73-79	-	30.7	34.4
637	Y-01.B7	02S/05W-20J02	10	73-79	73-79	73-79	4.0	9.1
637	Y-01.B7	02S/05W-20J03	9	73-79	73-79	73-79	1.8	3.1
638	Y-01.B1	02S/05W-19Q01	6	73-76	73-76	-	45.5	50.2
639	Y-01.B7	02S/05W-22R01	2	78,79	78,79	78,79	23.4	26.8
639	Y-01.B7	02S/05W-22R02	10	73-79	73-79	73-79	23.6	34.7
640	Y-01.B1	02S/06W-27A01	10	73-79	73-79	73-79	16.0	21.9
641	Y-01.B1	02S/06W-26D01	6	73-75,78,79	75,79	-	34.7	58.0
641	Y-01.B1	02S/06W-26D02	9	73-75,79	75,79	-	36.8	74.4
642	Y-01.B1	02S/06W-25C01	9	73-79	73-79	73-79	2.6	27.2
643	Y-01.B7	02S/05W-29D02	1	75	75	75	17.0	17.0
644	Y-01.B7	02S/05W-28A01	20	75-79	75-79	75-79	10.4	13.1
645	Y-01.B7	02S/05W-29E02	31	73-79	73-79	73-79	3.2	8.5
645	Y-01.B7	02S/05W-29E06	7	73-75,77-79	73-75,77-79	73-75,77-79	24.2	26.6
646	Y-01.B7	02S/05W-26E02	251	73-79	76,78,79	-	45.2	90.5
647	Y-01.B7	02S/05W-26F01	284	73-79	73-79	-	37.3	72.4
648	Y-01.B7	02S/05W-26M01	300	73-79	78,79	-	39.0	73.3
649	Y-01.B7	02S/05W-32B01	7	74,75,77-79	77-79	-	48.0	51.6
650	Y-01.B7	02S/05W-32A01	10	73-79	79	-	49.8	57.5
651	Y-01.B7	02S/05W-32K01	18	73-75	73-75	-	38.4	39.2
652	Y-01.B6	02S/06W-36R01	10	73-79	73-79	73-79	7.1	12.4
653	Y-01.B6	03S/05W-05B01	25	73-78	73-78	73-78	18.4	21.4
654	Y-01.B6	03S/05W-03L01	38	73-79	73-79	73-79	13.6	20.8
655	Y-01.B6	03S/05W-05M03	20	73-77,79	73-77,79	73-77,79	5.7	10.3
656	Y-01.B6	03S/05W-06Q02	31	73-78	73-78	73-78	7.0	11.8
656	Y-01.B6	03S/05W-06Q03	32	73-78	73-78	73-78	5.2	11.2
656	Y-01.B6	03S/05W-06Q04	32	73-78	73-78	73-78	6.7	10.9
656	Y-01.B6	03S/05W-06Q05	32	73-78	73-78	73-78	6.9	10.7
657	Y-01.B6	03S/05W-08B02	25	73-79	73-79	-	39.3	45.3
659	Y-01.B6	03S/05W-10G01	10	73-79	73-79	73-79	11.9	18.3
660	Y-01.B6	03S/05W-08E02	10	73-79	73-79	75-79	25.7	31.8
662	Y-01.B6	03S/05W-07J01	2	73,74	73,74	-	33.5	35.0
664	Y-01.B6	03S/06W-13B01	1	73	73	-	41.9	41.9
664	Y-01.B6	03S/06W-13B02	1	73	73	-	44.0	44.0
665	Y-01.B6	03S/06W-13A01	12	73-75	73-75	-	34.9	43.0
666	Y-01.B6	03S/06W-13E05	1	73	73	-	33.2	33.2
667	Y-01.B6	03S/05W-17G01	1	75	-	-	53.0	53.0
668	Y-01.B6	03S/05W-14E01	10	73-79	73-79	73-79	8.2	13.1
669	Y-01.B6	03S/06W-13M03	1	73	73	-	33.3	33.3
670	Y-01.B6	03S/05W-17K02	10	73-79	76-79	-	42.0	53.3
671	Y-01.B6	03S/06W-14Q01	1	73	73	-	45.2	45.2
672	Y-01.B6	03S/06W-13N01	3	73,78,79	73,78,79	78,79	15.4	43.0
672	Y-01.B6	03S/06W-13N02	3	73,78,79	73,78,79	78,79	15.4	41.7
674	Y-01.B6	03S/06W-23H01	19	73-79	75-79	-	35.1	62.1
675	Y-01.B6	03S/06W-24G01	4	73-75	73-75	73-75	8.4	9.6
676	Y-01.B6	03S/05W-19E03	5	75-79	76,78,79	76,78,79	1.7	Dry
676	Y-01.B6	03S/05W-19E04	10	73-79	73-79	73-79	7.7	Dry
677	Y-01.B6	03S/06W-22L03	1	73	73	-	43.7	43.7
678	Y-01.B6	03S/06W-22K01	1	73	73	-	43.0	43.0
679	Y-01.B6	03S/06W-24Q01	21	73-79	73-79	73-79	4.7	6.1
680	Y-01.B6	03S/05W-19P01	10	73-79	76-79	76-79	11.5	Dry
680	Y-01.B6	03S/05W-19P02	10	73-79	76,78,79	76,78,79	1.0	Dry
680	Y-01.B6	03S/05W-19P03	6	75-79	76-79	76-79	2.2	4.2



Base from U.S. Geological Survey, 1:24,000, Cucamonga Peak, 1966; Glendora, San Dimas, Yorba Linda, 1972; Corona North, Devore, Fontana, Guasti, Mt. Baldy, Ontario, Prado Dam, Riverside East, Riverside West, 1973.

SCALE 1:48 000

CONTOUR INTERVALS 10, 20, 25, AND 40 FEET
DOTTED LINES REPRESENT 5- AND 10- FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

WEST HALF

CONTOUR MAP SHOWING MINIMUM DEPTH TO GROUND WATER, UPPER SANTA ANA RIVER VALLEY, CALIFORNIA, 1973-1979

By

Scott E. Carson and Jonathan C. Matti

1985

See sheet 1 for explanation of map symbols

Explanatory pamphlet accompanies map

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