

Table 31 --Chemical analyses of well, spring, stream, and lake waters--Continued

Part A (continued)

Location	Source (with well depth where appropriate)	Date sampled	Analyst ^{3/}	Temperature		Milligrams per litre (upper number) and milliequivalents per litre (lower number) ^{1/}											Specific conductance		pH (lab. determination)	Factors affecting suitability for irrigation ^{2/}		
				°F	°C	Total iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na) plus potassium (K) ^{4/}	Bicarbonate (HCO ₃)	Carbonate (CO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Dissolved solids ^{5/}	Hardness as CaCO ₃	micro-mhos per cm at 25°C	Sa-lin-ity hazard		Sodium hazard	RSC	
CHURCHILL VALLEY																						
16/24-15bcd	Spring	6-8-70	G	61	16.0	--	40	16	52	151	0	134	10	--	--	165	560	7.9	L	1.7	L	S
							2.00	1.30	2.24	2.47	0.00	2.79	0.28									
17/24-1cba	Well (200 ft) (a)	3-3-70	N	--	--	0.30	37	4	68	162	0	89	21	0.4	352	108	--	7.7	L	2.8	L	S
							1.85	0.33	2.96	2.66	0.00	1.85	0.59	0.01								
-36aa	Well (63 ft) (a)	11-22-70	N	42	5.5	0.23	42	18	54	251	0	69	11	0	331	176	--	7.8	L	1.8	L	S
							2.10	1.48	2.35	4.11	0.00	1.44	0.31	0.00								
17/25-6dbb	Well (105 ft) (a)	4-1-69	N	--	--	0.52	21	6.8	26	110	0	36	7	1.3	209	80	--	7.5	L	1.3	L	S
							1.05	0.56	1.13	1.80	0.00	0.75	0.20	0.02								
-18dddd	Well (150 ft) (a)	6-11-70	N	--	--	0.33	27	10	15	110	0	31	10	0	193	104	--	7.9	L	.6	L	S
							1.35	0.82	0.65	1.80	0.00	0.64	0.28	0.00								
18/24-25adb	Well (260 ft) (a)	6-12-69	N	--	--	0.00	43	16	56	142	0	124	27	14	412	172	--	7.7	L	1.9	L	S
							2.15	1.30	2.44	2.33	0.00	2.58	0.76	0.23								
-27cac	Well (300 ft) (a)	8-17-71	N	--	--	0.02	47	11	49	134	0	107	26	10	364	160	--	7.9	L	1.7	L	S
							2.34	0.90	2.13	2.20	0.00	2.23	0.73	0.16								
-28dbc	Well (a)	8-17-71	N	--	--	0.01	56	11	25	127	0	110	8	11	354	184	--	7.9	L	.8	L	S
							2.79	0.90	1.09	2.08	0.00	2.29	0.23	0.18								
-32abc	Well (315 ft) (a)	9-12-71	N	--	--	0.06	88	20	39	158	0	227	12	3.5	526	300	--	7.8	M	1.0	L	S
							4.39	1.64	1.70	2.59	0.00	4.73	0.34	0.06								
18/25-4a	Well (380 ft)	6-12-67	N	--	--	2.4	157	1.6	49	561	0	4.8	32	0	860	400	--	6.6	M	1.1	L	M
							7.83	0.13	2.13	9.20	0.00	0.10	0.90	0.00								
-19cdc	Well (290 ft) (a)	6-12-69	N	--	--	0.13	40	15	36	151	0	65	24	12	346	160	--	8.0	L	1.2	L	S
							2.00	1.23	1.56	2.48	0.00	1.35	0.68	0.19								
CARSON DESERT																						
17/31-3lab	Rock Spring	8-19-70	G	68	20.0	--	--	--	--	394	0	--	1,300	--	--	--	5,340	8.2	VH	--	--	--
										6.46	0.00		36.67									
18/29-4bac	Kingman well (776 ft)	10-58 (?)	G	82	28.0	--	8	1	350	480	12	43	230	--	950	24	1,850	8.0	H	31	VH	U
							0.40	0.08	15.18	7.87	0.40	0.90	6.49									
-23ccc	Truckee-Carson Irrigation Canal (a)	10-2-56	G	70	21.0	1.4	21	4.4	(a)	84	0	29	6.8	1.8	145c	70	229	7.1	L	.9	L	S
							1.05	0.36		1.38	0.00	0.60	0.19	0.03								
18/30-12aca	Well (a)	8-15-63	G	60	15.5	--	6.9	0.5	(a)	784	47	876	5,420	37	11,200c	19	17,500	8.5	U	420	VH	U
							0.34	0.04		12.85	1.57	18.24	152.90	0.60								
-35dc	Well (100 ft)	8-19-70	G	--	--	--	--	--	--	--	--	--	1,400	--	--	--	5,680	--	VH	--	--	--
													39.49									
18/31-4da	Well (140 ft)	8-19-70	G	66	19.0	--	13	31	2,500	519	0	940	3,000	--	--	140	10,900	7.6	U	86	VH	U
							0.65	2.55	109.51	8.51	0.00	19.57	84.63									
-31ccc	Well (300 ft) (a)	1961(?)	H	--	--	3	1	1	(a)	423	12	495	2,155	--	4,820	6	--	8.7	VH	270	VH	U
							0.05	0.08		6.93	0.40	0.10	60.79									
19/27-12dc	Well (150 ft)	6-16-71	G	--	--	--	300	110	1,100	212	0	2,700	490	--	--	1,200	6,380	7.7	VH	14	VH	S
							14.97	9.01	49.52	3.47	0.00	56.21	13.82									
19/28-7dd	Soda Lake (a)	8-28-58	G	--	--	0.10	7.9	194	(a)	1,250	1,360	6,220	7,570	2.2	24,700c	822	31,800	9.6	U	130	VH	U
							0.39	16.04		20.49	45.33	129.50	213.47	0.04								
-22daa	Well (41 ft)	2-25-64	N	--	--	0.10	53	23	117	307	0	144	52	10	605	228	--	8.0	M	3.4	L	S
							2.64	1.89	5.09	5.03	0.00	3.00	1.47	0.16								
-22dab	Well (1,155 ft) (a)	12-9-71	G	--	--	--	5	1	54	118	4	23	6	--	--	18	276	8.6	L	5.5	L	M
							0.25	0.11	2.35	1.93	0.13	0.48	0.17									
19/29-30cdb	Wells (combined flow; 506 and 521 ft)	9-29-69	M	--	--	0.10	--	--	(a)	356	23	164	84	0.6	424	28	--	9.3	M	21	VH	U
										5.84	0.77	3.41	2.37	0.01								
-30cdb1	Well (506 ft) (a)	5-8-58	G	68	20.0	0.02	2	1.4	(a)	231	20	75	67	0.8	498c	11	821	8.8	M	23	VH	U
							0.10	0.12		3.79	0.67	1.56	1.89	0.01								
-31babc	Well (444 ft)	12-9-71	G	--	--	--	8	1	58	124	0	38	6	--	--	24	316	8.0	L	5.1	L	M
							0.40	0.08	2.51	2.93	0.00	0.79	0.17									
-33cbb1	Well (540 ft) (a)	1-26-67	C	--	--	0.37	0.8	1.5	216	283	26	66	94	0.4	580	8	906	9.1	M	33	VH	U
							0.04	0.12	9.39	4.64	0.87	1.37	2.65	0.01								
19/30-30ccb	Well (15-19 ft) (a)	6-9-69	N	--	--	0.18	35	18	350	237	0	129	420	0	1,110	160	--	8.1	H	12	M	S
							1.75	1.48	15.22	3.88	0.00	2.69	11.85	0.00								
-30ccc	Well (37 ft) (a)	1-15-69	N	--	--	0.10	1.6	42	7,840	1,650	24	7,750	5,500	30	21,400	176	--	8.2	U	260	VH	U
							0.08	3.45	341.04	27.04	0.80	161.36	155.16	0.48								
19/31-7dc	Well (204 ft)	11-23-71	G	Boiling	--	--	91	1	1,400	104	0	190	2,080	--	--	230	7,420	7.5	VH	39	VH	S
							4.54	0.06	59.74	1.70	0.00	3.96	58.68									
-11a	Well	10-8-70	G	65	18.5	--	34	52	2,300	377	0	93	3,500	--	--	300	12,600	7.8	U	58	VH	S
							1.70	4.29	100.87	6.18	0.00	1.94	98.74									
20/28-1bd	Well (627 ft) (a)	2-26-69	M	--	--	12	78	24	(a)	372	0	340	2,720	7	5,320	293	--	8.1	U	47	VH	S
							3.89	1.96		6.10	0.00	7.08	76.73	0.11								
21/30-19ed	Carson River	10-18-71	G	37	3.0	--	32	10	78	178	0	91	35	--	--	120	615	8.3	L	3.1	L	S
							1.60	0.80	3.41	2.92	0.00	1.90	0.99									
-30ac	Well (985 ft)	10-13-71	G	63	17.0	--	4	1	600	554	37	100	500	--	--	15	2,930	8.7	H	68	VH	U
							0.20	0.10	26.19	9.08	1.23	2.08	14.10									