

APPENDIX 1 NEVADA THERMAL WATER DATA

This appendix is a listing of the available data on Nevada thermal waters. A somewhat arbitrary lower limit of 70°F was established; waters of lakes and streams heated above 70°F by the normal surface air temperature are not included. The temperatures reported can be converted from Fahrenheit to Celsius by use of Appendix 3.

The names of geothermal areas are usually those of the largest, best known hot spring or a well-known geographic feature in the area. Alternate names are also listed. The names used for individual springs or wells are usually from the cited reference.

The location of the spring, well, drill hole or mine shaft is given using the section-township-range system; more detailed locations within a section use the quarter-quarter-quarter system (for example: NE/4 SE/4 NW/4 S5,T20N,R30E indicates that the occurrence is located within approximately a 10-acre parcel which is the northeast quarter of the southeast quarter of the northwest quarter of section 5, Township 20N, Range 30E). Locations by section-township-range were estimated in a few cases by projecting the land grid from adjacent areas. The available topographic maps were often used to refine location data.

The discharge in gallons per minute (gpm) from springs or flowing wells is re-

ported if given in the original reference. The date given is usually that for the temperature or discharge measurement. The analytical results reported were usually rounded to three significant figures, and were reported in parts per million (ppm) unless otherwise stated. Some older analyses which were originally in grains per gallon or reported as compounds were converted to the ionic constituents, expressed in parts per million (ppm). For the range of values in this appendix, ppm are essentially equal to milligrams per liter (mg/l), and ppb (parts per billion) are equivalent to micrograms per liter (µg/l). The values reported for total dissolved solids are those in the cited references; these can be either the sum of the ionic constituents or the value obtained by evaporation to dryness. The pH is reported in this appendix to two significant figures.

The specific conductance is a measure of the ability of water to conduct an electrical current and is expressed in micromhos per centimeter (µmhos/cm) at 25°C (77°F). Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used to approximate the salinity of the water. In general, the specific conductance times 0.65 ± 0.5 equals the total dissolved solids (in ppm).

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (µmhos/cm)	pH	Reference
CARSON CITY																				
[1] Carson Hot Springs																				
springs	120	75	30Mar65	-	-	2.6	0.4	96		36	28	96	29	-	-	-	-	506	9.3	Worts & Malmberg, 1966
SE¼NE¼S5,T15N,R20E																				
springs	-	60	-	44	-	6	2	104		41	27	84	34	-	-	-	326	-	-	Adams, 1944
SE¼NE¼S5,T15N,R20E																				
springs	108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 59
SE¼NE¼S5,T15N,R20E																				
springs	108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 59A
SE¼NE¼S5,T15N,R20E																				
[2] Nevada State Prison Spring	warm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SE¼S16,T15N,R20E																				
[3] Pinyon Hills																				
well	114	-	19Jan75	-	0.01	275	3	254		29	6	135	33	4.3	-	-	1551	-	8.6	CWRR, 1973
S23,T15N,R20E																				
well	112	-	14May71	-	0.01	-	-	71		10	-	112	20	1.6	0.5	-	-	-	-	CWRR, 1973
S23,T15N,R20E																				
Wheat well	113	-	1960	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Peggy Wheat, personal communication, 1975
SE¼S23,T15N,R20E																				
Pinyon Hills suburban area wells	hot	-	-	-	0.4	280	-	200	-	-	-	900	-	4.2	-	-	1500	-	-	Glancy & Katzer, 1975
SE¼S23,T15N,R20E																				
well	90	-	28Jan71	-	-	13	-	-	-	-	-	-	-	1.7	-	-	366	-	-	CWRR, 1973
S25,T15N,R20E																				
CHURCHILL COUNTY																				
[4] Senator Fumaroles	boiling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Lawrence, 1971
SW¼S31,T25N,R37E																				
springs	warm	small	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 70
T24N,R36E																				

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
CHURCHILL COUNTY (continued)																				
[12] Desert Peak area																				
Phillips Petroleum Co. Desert Peak No. 21-2 well NE¼NE¼S21,T22N,R27E	390	—	Feb77	—	—	—	—	—	—	—	—	—	—	—	—	—	7500	—	—	unpublished data, Phillips Petroleum Co.
				Remarks: Depth — 3192 ft.; geothermal well.																
[13] Soda Lakes-Upsal Hogback thermal area																				
well CDAH-2A NE¼SW¼NW¼S22,T20N,R28E	88	—	6May77	56	—	26	9	940	100	354	—	22	1400	0.8	0.2	6.1	—	4980	—	unpublished data, USGS
				Remarks: Depth — 87 ft.; Li = 1.7, Br = 3.8.																
well? S28,T20N,R28E	210	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Hose & Taylor, 1974
				Remarks: Orifice covered by concrete.																
well NW¼SW¼SW¼S28,T20N,R28E	boiling	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Morrison, 1964, p. 117
				Remarks: Depth about 60 ft.																
well CDAH-37 NE¼SW¼SE¼S28,T20N,R28E	135	—	6May76	—	—	360	46	1800	160	305	—	2500	1800	0.6	0.10	3.4	—	10000	—	unpublished data, USGS
				Remarks: Depth — 45 ft.; Li = 2.0, Br = 6.8.																
well CDDH-30A SW¼SE¼SW¼S28,T20N,R28E	102	—	4May76	130	—	100	2.4	1100	50	181	—	480	1400	0.6	0.0	5.3	—	5630	—	unpublished data, USGS
				Remarks: Depth — 133 ft; temperature given as 102°C. Li = 1.7, Br = 4.5.																
well BRCDDH-14A NW¼NE¼SE¼S28,T20N,R28E	144	—	27Jul77	170	—	170	0.8	1650	50	106	0	68	2800	1.9	—	13.5	—	8960	—	unpublished data, USGS
				Remarks: Depth — 523 ft; temperature given as 144°C. Ar = 0.15, Li = 3.0, Br = 10.																
well CDDH-32A SE¼SW¼NW¼S28,T20N,R28E	136	—	6May76	71	—	140	17	1300	90	205	—	450	1900	0.5	0.3	3.3	—	7110	—	unpublished data, USGS
				Remarks: Depth — 148 ft; Li = 2.3, Br = 8.0.																
well CDDH-31 NW¼NE¼NE¼S32,T20N,R28E	95	—	5May76	2.6	—	53	17	960	74	350	—	300	1300	1.0	0.1	3.4	—	5130	—	unpublished data, USGS
				Remarks: Depth — 127 ft; Li = 1.6, Br = 4.2.																
spring north of Soda Lake	70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Thompson & West, 1881
				Remarks: Water has high soda content.																
Big Soda Lake SE¼NE¼S7,T19N,R28E	86	—	1967	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Breese, 1968, p. 25
				Remarks: Some warm springs apparently enter the bottom of Big Soda Lake near its center, which is over 200 ft deep.																
[14] Stillwater thermal area																				
Elmer Weishaupt Ranch well S1,T19N,R30E	88	flowing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Morrison, 1964, p. 115
				Remarks: Depth — 200 ft; cased to 150 ft. Gas analysis: Sample 1 — 27 Nov 27 — CO ₂ = 0.8%, CH ₄ = 61.8%, CaH ₆ + higher hydrocarbons = 1.4%, N = 35.4%, O = 0.6%; Sample 2 — 3 Jan 47 — CO ₂ = 1.65%, CH ₄ = 47.18%, C ₂ H ₆ + higher hydrocarbons = 10.45%, N = 40.72%, O = 0.0%. Water used for domestic purposes.																
O'Neill Geothermal Inc. (Oliphant) Reynolds No. 1 well NE¼SW¼SW¼S6,T19N,R31E	277	—	1964	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	unpublished data, NBMG
				Remarks: Depth — 4237 ft; geothermal well.																
well SW¼S7,T19N,R31E	205	—	—	170	—	108	1.7	1480	42	90	<1	190	2200	5.0	—	15	—	6910	—	Mariner & others, 1974
				Remarks: Li = 1.94; well is flowing.																
well SW¼S7,T19N,R31E	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mariner & others, 1975
				Remarks: Well is flowing; N = 3.4, Rb = 0.22, Ce = 0.2, Sr = 5.7, δD(‰) = -110.2, δO ¹⁸ (‰) = -12.36.																
well SW¼SE¼S7,T19N,R31E	boiling	—	23Nov71	—	—	91	1	1400	104	0	190	2080	—	—	—	—	—	7420	7.5	Glancy & Katzer, 1975
				Remarks: Depth — 204 ft.																
L. H. Greenwood's store well S7,T19N,R31E	190	flowing	27Oct46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Morrison, 1964
				Remarks: Depth — 230 ft; cased to 100 ft. Gas analysis: Sample 1 — CO ₂ = 1.75%, CH ₄ = 6.48%, C ₂ H ₆ + higher hydrocarbons = 4.38%, N = 87.39%, O = 0%; Sample 2 — CO ₂ = 1.72%, CH ₄ = 12.08%, C ₂ H ₆ + higher hydrocarbons = 0.81%, N = 84.90%, O = 0.49%. Noncombustible gas accumulates in a heat radiator.																
[15] Churchill Drilling Corp. T.C.I.D. No. 1 well SE¼NW¼NW¼S15,T22N,R30E	hot	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	R. Forest, oral communication, 1974
				Remarks: Depth — 3758 ft; reportedly perforated 3125–3150 ft. Exploratory oil and gas well. Well was flowing hot water in 1974.																
[16] U. S. Bureau Reclamation heat flow hole NE¼SW¼NW¼S10,T22N,R31E	77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Olmsted & others, 1975
				Remarks: Depth — 500 ft.																
[17] test hole AH-13 SW¼NE¼NW¼S7,T21N,R29E	72	—	16May73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Olmsted & others, 1975
[18] well N¼S7,T17N,R30E	158	—	13Mar77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	C. W. Klein, oral communication, 1977
				Remarks: Flowing. Possibly in S¼S6.																
[19] test hole DH-1 SW¼S17,T16N,R29E	72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Olmsted & others, 1975

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference	
CHURCHILL COUNTY (continued)																					
[20] Eightmile Flat																					
Kerr-McGee Eightmile Flat hole no. 1 NW¼NW¼S12,T17N,R30E	hot																				unpublished, NBMG
Borax Spring NE¼S14,T17N,R30E	178																				Remarks: Depth - 500 ft; hit very hot water at 400 ft. Cuttings and log available at NBMG; drilled for saline minerals. Remarks: See Russell, 1885, pl. 8.
[21] Lee Hot Springs																					
springs SW¼NW¼S34,T16N,R29E	boiling	10	18Aug70																		Glancy & Katzer, 1975
springs CNW¼S34,T16N,R29E	172	25																			Waring, 1965, No. 74A
well CNW¼S34,T16N,R29E	196																				Remarks: Temperature taken 3 ft below surface. This well is source of hot water presently flowing from Lee Hot Springs.
Allen's Hot Springs NW¼NE¼S34,T16N,R29E			14Jul47			49	16	431		132	17	440	374								Don Miller, personal communication, 1977
Allen's Hot Springs NW¼NE¼S34,T16N,R29E			13Nov44			68	18	416		122		491	379								Miller, Hardman & Mason, 1953
Allen's Hot Springs NW¼NE¼S34,T16N,R29E			29Jul40			41	0	464		126		446	385								Miller, Hardman & Mason, 1953
spring	190	34	1973	180		44	0.6	450	26	114	<1	470	380	7.9		2.4					Remarks: Li = 0.70.
spring lat. 39°12'N, long. 118°43'W																					Remarks: Al = 0.027, N = 0.22, P = 0.04, As = 0.04, Br = 1, I = 0.1, Rb = 0.22, Ce = 0.1, Sr = 1.0, Fe <0.02, Mn = 0.06, Cu = 0.01, Hg = <0.0001, δD(‰) = -125.8, δO ¹⁸ (‰) = -13.21.
[22] spring S6,T16N,R32E	hot																				Remarks: Several springs; water smells of H ₂ S. On Fourmile Flat.
CLARK COUNTY																					
[23] well 75-73 (test well 3) 36°48'40", 115°51'50"	100		10May62	24	0	51	21	83	7.6	328	0	84	23	1.5	0.9		444	710	7.3		Remarks: Depth - 1853 ft. Aquifer is Paleozoic carbonate rock. Al = 0.03, Li = 0.12, PO ₄ = 0.
[24] Bunkerville area																					
Hafen Dairy well SE¼SE¼SE¼S13,T13S,R70E	70		15Nov67			244	126		522	209		1320	510					3100	4000	8.0	Remarks: Depth - 60 ft.
Bruna Biasi well SW¼S34,T13S,R70E	70		11Nov67			310	169		631	341		1510	701					3900	4900	7.8	Remarks: Depth - 118 ft.
well SW¼SW¼S35,T13S,R70E	75		10Nov67			38	29					128	42					460	730		Remarks: Depth 300 ft.
Bunkerville Water Users Association well SW¼SW¼SE¼S35,T13S,R70E	77		10Nov67			28	28					72	22					350	560		Remarks: Depth - 300 ft.
Mesquite Farmstead well SE¼SW¼S20,T13S,R71E	73		1952	32		37	19		55	141		109	38		8.8			369	568		Remarks: Depth - 210 ft.
Mesquite Farmstead Water Association well NE¼NW¼NW¼S29,T13S,R71E	70		14Jan52	35		36	15			148		73			9.3			300	486		Remarks: Depth - 225 ft.
[25] Moapa area																					
Clarence Lewis well NW¼NE¼S8,T14S,R65E	80	360	1949																		Remarks: Depth - 57.5 ft; flowing.
Woodruff and Perkins well NW¼SE¼S8,T14S,R65E	82																				Remarks: Open dug well; flowing.
well SW¼SW¼SW¼S15,T14S,R65E	90		25Jun68			65	27			265		186	64								Remarks: Depth - 25 ft.
Muddy River Springs CNE¼S16,T14S,R65E	90	3240	15Apr63	31		65	28	99	10	288	0	174	60	2.4	2.3	0.3	614	985	7.7		Remarks: Largest thermal spring in Nevada.
springs T14S,R65E	90																				Remarks: Several springs; water used for bathing.

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
CLARK COUNTY (continued)																				
Muddy Spring CNE¼S16,T14S,R65E	warm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mifflin, 1968
Peterson (Pederson) Spring NW¼S16,T14S,R65E	90	-	19Jan74	245	0.01	75	26	107	8.8	284	0	189	59	2.13	1.9	-	854	1012	7.9	Sanders & Miles, 1974
Muddy River Springs S9,15,16,T14S,R65E	90	-	1968	-	-	65	27	-	-	264	-	180	68	-	-	-	-	-	-	7.7 CWRR, 1973
well NE¼NE¼S16,T14S,R65E	90	-	1968	-	-	66	28	-	-	266	-	187	68	-	-	-	-	-	-	7.7 CWRR, 1973
Moapa (Iverson's) Warm Springs NW¼NE¼NE¼S21,T14S,R65E	90	-	-	42	1	98	26	-	75	281	0	184	66	-	-	-	617	-	-	Adams, 1944
Moapa (Iverson's) Warm Springs NW¼NE¼NE¼S21,T14S,R65E	90	1696	1966	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mifflin, 1968
Moapa (Iverson's) Warm Springs NW¼NE¼NE¼S21,T14S,R65E	90	1020	12Sep63	29	-	70	26	101	11	274	0	179	64	2.3	2.2	0.3	620	964	7.5	Eakin, 1964
[26] W. Wipple well NW¼NE¼S34,T15S,R67E	75	-	11Oct49	36	-	106	54	-	177	371	-	421	92	-	0.6	-	1070	1610	-	Rush, 1968c
[27] Test Well 10 NE¼NE¼S1,T16S,R54E	81	-	28Jun64	15	0	41	17	7.6	1.0	200	0	14	5.3	0.2	1.6	0.08	288	350	7.2	Naff, 1973
well S1,T16S,R54E	81	-	23Feb63	-	0.03	37	18	-	-	194	-	15	6.7	-	2.1	-	177	-	7.7	CWRR, 1973
well S1,T16S,R54E	81	-	28Jun64	-	-	41	17	-	-	200	-	14	5.3	0.2	1.6	-	200	-	7.2	CWRR, 1973
[28] Indian Springs area																				
Indian Spring S16,T16S,R56E	78	410	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 151
spring NW¼NE¼S14,T16S,R56E	79	-	23Oct64	-	-	50	20	-	-	239	-	16	3.7	0.1	1.1	-	223	-	7.3	CWRR, 1973
spring NW¼NW¼S16,T16S,R56E	79	324	15Dec12	17	-	48	15	31	-	239	0	28.0	5.0	-	-	-	330	-	-	Hardman & Miller, 1934
spring NW¼NW¼S16,T16S,R56E	79	410	15Dec12	17	0.16	48	15	21	9.7	239	0	28	5	-	0	-	330	-	-	Carpenter, 1915
spring NW¼NW¼S16,T16S,R56E	79	408	5Aug27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mifflin, 1968
spring NW¼NW¼S16,T16S,R56E	-	400	18Mar46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Lamke & Moore, 1965
spring NW¼NW¼S16,T16S,R56E	-	500	1970	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Rush, 1970
Indian Springs NW¼NW¼S16,T16S,R56E	79	-	23Oct64	13	0	5	20	4.5	1.1	238	0	16	3.7	0.1	1.1	0.14	335	401	7.4	Naff, 1973
[29] spring SW¼SE¼S1,T16S,R67E	70	-	12Oct49	54	-	153	104	-	256	338	-	805	175	-	5.4	-	1720	2420	-	Rush, 1968c
[30] springs (Virgin River Narrows) S6(?),T17S,R69E	75	270	19Aug32	16.0	-	441	128	3177	-	509	-	1283	401	-	-	-	3249	-	-	Hardman & Miller, 1934
[31] Rogers Springs area																				
Blue Point Spring NW¼NE¼S7 & SW¼SE¼S6,T18S,R68E	81	400	1966	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mifflin, 1968
Blue Point Spring NW¼NE¼S7 & SW¼SE¼S6,T18S,R68E	82	150	1945	-	-	472	167	-	317	122	-	1910	355	-	-	-	3300	-	-	Rush, 1968c
Rogers Spring S12,T18S,R67E	warm	-	1966	17	0.02	443	140	296	22	166	-	1680	334	1.5	0.8	1.2	3020	3750	7.3	Rush, 1968c

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference	
CLARK COUNTY (continued)																					
Rogers Spring NE¼NE¼S13,T18S,R67E	86	—	4Feb74	18	<0.02	430	128	284	18	170	0	1747	328	1.52	1.3	—	3040	3960	7.5	Sanders & Miles, 1974	
					Remarks: Li = 0.67, PO ₄ = 0.1, As = 1.5 μg/l, Ba = 0.4, Pb = 0.07, Mn = 0.01, Sr = 4.9, Zn = 0.02, Ni = 0.02, Cd = 0.007, NH ₄ <0.2, Be <0.005, Cu <0.02, Sn <0.05, Cr <0.02, Ag <0.02, Bi <0.1, Cs = 1.60, Hg = 0.5 μg/l, Rb = .138, Sb <0.1, Se <1.0 μg/l. Near Stewart Point, North Shore Road, Lake Mead.																
Rogers Spring S12,T18S,R67E	warm	—	—	—	—	451	149	—	395	185	—	1670	343	—	—	—	—	—	—	Miller, Hardman & Mason, 1953	
Rogers Spring SE¼SE¼S12,T18S,R67E	81	880	1950	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mifflin, 1968	
		Remarks: (ppm) Na + K = 12.75, Ca + Mg = 34.73, Cl + SO ₄ = 43.37, tritium ≤5 T.U., -δC ¹⁴ >927 (>21,000 yrs. B.P.).																			
Rogers Spring SE¼SE¼S12,T18S,R67E	—	780-880	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Rush, 1968c	
Rogers Springs	81	900	28Sep12	24.0	—	428	151	220	—	159	0	1638	331	—	—	—	3266	—	—	Hardman & Miller, 1934	
[32] White Rock Spring NE¼NE¼S33,T20S,R58E	78	1450	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Hughes, 1966	
		963	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	390	—		
[33] Las Vegas Valley wells	80-84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Godwin & Johnson, 1967	
S36,T19S,R62E																					
Kyle Spring SW¼SE¼S15,T20S,R61E	75	—	16Sep12	8	0.01	53	27	—	26	251	—	33	55	—	2	—	258	—	—	Maxey & Jameson, 1948	
North Las Vegas Airport well S18,T20S,R61E	158(?)	—	20Nov75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	unpublished data, USGS	
					Remarks: Depth - 500 ft. This temperature was given as 70°C but appears to have been 70°F (the temperature of water wells in this area were taken monthly from Aug 77 through Mar 76; temperatures taken in Sep & Nov range from 61-70°C, those for other months from 17-23°C. The N. Las Vegas Airport well had temperatures of 70°C in Sep & Nov and 22°C in all the other months; 22°C = 70°F indicating that the 70° reading should have been 70°F).																
City of North Las Vegas well SE¼SW¼SE¼S22,T20S,R61E	73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Maxey & Jameson, 1948	
					Remarks: Depth - 250 ft.																
Tony Bruno well SW¼NW¼SW¼S23,T20S,R61E	73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Maxey & Jameson, 1948	
					Remarks: Depth - 210 ft.																
Las Vegas Springs	73	2600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 152	
					Remarks: Two springs; water used for domestic and industrial purposes and irrigation.																
Las Vegas Springs (Joe Brown Well) SW¼NE¼SE¼S31,T20S,R61E	79	950-1700	16May52	14	0.05	48	25	8.1	3.6	222	0	51	6.5	0.2	1.0	—	266	447	7.4	Scott & Barker, 1962	
					Remarks: Mn = 0.0.																
Las Vegas Springs (Joe Brown Well) SW¼NE¼SE¼S31,T20S,R61E	73	—	23Sep12	13	tr	56	23	11	6	239	0	43	2.0	—	6	—	267	—	—	Carpenter, 1915	
Las Vegas Springs (Joe Brown Well) SW¼NE¼SE¼S31,T20S,R61E	79	950-1700	16May52	13	0.03	50	25	8.0	3.5	229	0	52	3.8	0.3	1.5	—	260	452	7.8	Scott & Barker, 1962	
					Remarks: Al = 0.0, Mn = 0.0, Ra = 0.3 μuc/l., U = 2.0 μg/l.																
Las Vegas Springs SE¼SE¼S30 & NE¼NE¼ S31,T20S,R61E	—	0	1963	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Lamke & Moore, 1965	
					Remarks: Three springs; Big, Little, and Open.																
Las Vegas Springs SE¼SE¼S30 & NE¼NE¼ S31,T20S,R61E	73	0	1966	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mifflin, 1968	
Las Vegas Springs SE¼SE¼S30 & NE¼NE¼ S31,T20S,R61E	—	1400	1924- 1946	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Maxey & Jameson, 1948	
James Filbey well NW¼SE¼S32,T20S,R61E	79	—	24Aug38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Livingston, 1940	
					Remarks: Depth - 616 ft; flowing in 1938.																
J. H. Umbaugh well SW¼NE¼S6,T21S,R61E	73	—	12Sep38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Livingston, 1940	
					Remarks: Depth - 222 ft; flowing in 1938.																
I. M. Pinjuv well SW¼NE¼S6,T21S,R61E	73	—	12Sep38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Livingston, 1940	
					Remarks: Depth - 270 ft; flowing in 1938.																
W. N. Hinson well SW¼NE¼S6,T21S,R61E	73	—	12Sep38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Livingston, 1940	
					Remarks: Depth - 275 ft; flowing in 1938.																
A. J. and L. C. Wood well NW¼NW¼NW¼S26,T21S,R61E	79	—	13Nov45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Maxey & Jameson, 1948	
					Remarks: Depth - 595 ft.																

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (µmhos/cm)	pH	Reference
CLARK COUNTY (continued)																				
W. L. and B. Jenison well SW¼SW¼SW¼S27,T21S,R61E	73		21Aug44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Maxey & Jameson, 1948
			Remarks: Depth - 263 ft.																	
W. L. and B. Jenison well SW¼SW¼SW¼S27,T21S,R61E	75		17Oct44	-	-	61	31		20	253	0	101	11	-	-	-	478	-	-	Maxey & Jameson, 1948
			Remarks: Depth - 263 ft.																	
Tollackson well SW¼NW¼NE¼S34,T21S,R61E	73		6Jan47	-	-	64	30		11	223	-	107	6	0.3	3.9	-	332	560	-	Maxey & Jameson, 1948
			Remarks: Depth - 246 ft.																	
Tollackson well SW¼NW¼NE¼S34,T21S,R61E	75		12Apr44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Maxey & Jameson, 1948
			Remarks: Depth - 246 ft.																	
Roy Wood Martin Estate well NW¼SW¼SW¼S35,T21S,R61E	77		28Apr44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Maxey & Jameson, 1948
			Remarks: Depth - 300 ft.																	
J. R. Bond well SW¼SW¼SW¼S29,T21S,R62E	81		13Jul42	25	-	110	50		29	215	tr	327	20	-	-	-	715	-	-	Maxey & Jameson, 1948
			Remarks: Depth - 404 ft.																	
U. G. Campbell well NW¼NW¼SE¼S30,T21S,R62E	77		24Aug44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Maxey & Jameson, 1948
			Remarks: Depth - 390 ft.																	
U. G. Campbell well NW¼NW¼SE¼S30,T21S,R62E	77		4Aug42	12	-	110	42		18	160	0	315	20	-	-	-	602	-	-	Maxey & Jameson, 1948
			Remarks: Depth - 390 ft.																	
U. G. Campbell well NW¼NW¼SE¼S30,T21S,R62E	77		24Aug44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Maxey & Jameson, 1948
			Remarks: Depth - 405 ft.																	
Chris Wilson well SE¼SW¼NW¼S30,T21S,R62E	79		26Jun46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Maxey & Jameson, 1948
			Remarks: Depth - 455 ft.																	
John Graham and Tip Rowe well NW¼SW¼SE¼S1,T22S,R61E	79		9Apr46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Maxey & Jameson, 1948
			Remarks: Depth - 503 ft.																	
well NE¼SE¼SW¼S1,T22S,R61E	79		9Apr46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Maxey & Jameson, 1948
			Remarks: Depth - 230 ft.																	
J. K. Houssels well NW¼NW¼SW¼S1,T22S,R61E	79		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Maxey & Jameson, 1948
			Remarks: Depth - 340 ft.																	
John Graham and Tip Rowe well SE¼NE¼SW¼S1,T22S,R61E	79		9Apr46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Maxey & Jameson, 1948
			Remarks: Depth - 505 ft.																	
J. K. Houssels well NW¼SW¼NW¼S1,T22S,R61E	79		5Dec43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Maxey & Jameson, 1948
			Remarks: Depth - 340 ft.																	
J. K. Houssels well NW¼SW¼NW¼S1,T22S,R61E	79		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Maxey & Jameson, 1948
			Remarks: Depth - 455 ft.																	
J. K. Houssels well NW¼SW¼NW¼S1,T22S,R61E	79		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Maxey & Jameson, 1948
			Remarks: Depth - 225 ft.																	
Henry Wick well SW¼SW¼SW¼S2,T22S,R61E	84		7Feb46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Maxey & Jameson, 1948
			Remarks: Depth - 600 ft.																	
H. F. Reed well SW¼NW¼SW¼S2,T22S,R61E	79		15Aug44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Maxey & Jameson, 1948
			Remarks: Depth - 600 ft.																	
M. M. Sweeney well NW¼NE¼NW¼S2,T22S,R61E	75		13Apr44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Maxey & Jameson, 1948
			Remarks: Depth - 350 ft.																	
Lawrence Warden well SE¼NW¼NE¼S2,T22S,R61E	77		9Apr46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Maxey & Jameson, 1948
			Remarks: Depth - 290 ft.																	
Nate Mack well NE¼NW¼NE¼S2,T22S,R61E	79		13Apr44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Maxey & Jameson, 1948
			Remarks: Depth - 200 ft.																	
L. H. Irvin well NE¼NW¼NE¼S2,T22S,R61E	79		13Apr44	-	-	134	57		2.3	198	0	353	30	-	-	-	775	1090	-	Maxey & Jameson, 1948
			Remarks: Depth - 200 ft.																	
Henry Wick well NE¼SE¼SE¼S3,T22S,R61E	84		15Jun45	-	-	158	53		0.7	176	9.0	441	0.5	-	-	-	838	1140	-	Maxey & Jameson, 1948
			Remarks: Depth - 335 ft.																	
Henry Wick well NE¼SE¼SE¼S3,T22S,R61E	84		11Feb46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Maxey & Jameson, 1948
			Remarks: Depth - 335 ft.																	
H. Nickerson well NE¼NE¼SW¼S3,T22S,R61E	84		3Jul41	21	-	150	44		40	171	0	453	22	-	-	-	863	-	-	Maxey & Jameson, 1948
			Remarks: Depth - 395 ft.																	

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
DOUGLAS COUNTY (continued)																				
[43] spring NW¼NW¼S19,T14N,R20E	90	—	7Oct70	—	0.02	2	—	120	93	20	—	—	—	7.6	—	—	372	—	8.4	CWRR, 1973
spring NW¼NW¼S19,T14N,R20E	84	—	7Oct70	—	0.01	3	—	126	98	—	90	0	0	7.7	—	—	372	—	8.8	CWRR, 1973
spring NW¼NW¼S19,T14N,R20E	81	—	7Oct70	—	0.03	2	—	124	98	18	83	—	—	7.5	—	—	373	—	8.7	CWRR, 1973
spring NW¼NW¼S19,T14N,R20E	76	—	7Oct70	—	0.01	8	—	121	107	12	84	—	—	7.7	—	—	381	—	8.9	CWRR, 1973
[44] Saratoga Hot Springs spring SE¼SE¼SW¼S21,T14N,R20E	122	350	14May70	20	—	172	0	160	4	7	678	39	—	—	—	—	429	1500	9.0	Glancy & Katzer, 1975
[45] Walley's Hot Springs area spring SE¼SW¼S21,T13N,R19E	—	600	1961-64	60	—	9.6	0.5	137	2.9	40	2.7	200	46	5.0	0.3	—	492	—	9.0	Lamke & Moore, 1965
spring SE¼SW¼S21,T13N,R19E	—	—	before 1944	55	—	12	tr	141	146	19	94	42	—	—	—	—	480	—	—	Adams, 1944
spring SE¼SW¼S21,T13N,R19E	—	—	13Dec56	—	—	11	1.1	150	3.1	5.5	24	233	48.3	—	—	0.83	544	761	9.4	U. S. Bureau Reclamation, unpublished data
spring SE¼NW¼NE¼S22,T13N,R19E	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 60
springs SE¼SW¼S21,T13N,R19E	136-160	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
(Genoa) Hot Springs NW¼NE¼S22,T13N,R19E	—	—	22Jan74	54	0.08	14	0.4	118	2.2	58	0	180	36	4.1	0.1	—	437	644	8.9	Sanders & Miles, 1974
spring NE¼S22,T13N,R19E	142	20	1973	58	—	10	0.01	145	3.6	50	9	235	44	4.9	—	1.2	—	726	8.8	Mariner & others, 1974
spring NE¼S22,T13N,R19E	—	—	—	—	<0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mariner & others, 1975
spring NE¼S22,T13N,R19E	145	—	10Nov59	61	0.01	9.6	0.5	137	2.9	12	24	200	46	5.0	—	—	499	730	9.0	unpublished data, USGS
spring NE¼S22,T13N,R19E	—	—	1911?	49	—	11	—	—	5.2	8	151	183	50	—	—	6.3	—	—	—	Lindgren, 1911, p. 189
spring SW¼NW¼SW¼S22,T13N,R19E	146	—	10Nov59	61	0.01	9.6	0.5	137	2.9	12	24	200	46	5.0	0.3	—	492	730	9.1	Glancy & Katzer, 1975
U. S. Steel Corp. wells NE¼S22,T13N,R19E	181	—	1962	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Koenig, 1970
[46] Doud Spring SE¼SW¼S20,T11N,R21E	70	180	7May70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Glancy & Katzer, 1975
ELKO COUNTY																				
[47] springs SW¼SW¼S11,T47N,R65E	warm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Delaplain 15-minute quad
[48] well NW¼SW¼S18,T47N,R65E	100	—	24Jan68	20	—	37	8.6	17	8.4	184	0	20	1.8	0.7	0.8	0	205	332	7.9	Moore & Eakin, 1968
[49] spring SE¼NW¼S9,T47N,R67E	86	—	1973	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Hose & Taylor, 1974
[50] warm spring at Mountain City T46N,R53E	warm	—	12Nov37	—	—	36	—	12	—	68	—	5	8	—	—	—	—	—	—	Miller, Hardman & Mason, 1953
[51] spring SW¼NW¼S14,T46N,R56E	104	55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 22
[52] Goose Creek area Nile Spring SW¼S30,T47N,R70E	109	—	1973	31	—	40	11.5	10	5.6	149	—	37	8.7	0.4	—	<0.02	—	321	7.2	Mariner & others, 1974
Nile Spring SW¼S30,T47N,R70E	106	6	1921	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Piper, 1923; Waring, 1965, No. 24
																				Remarks: A travertine terrace deposited by the spring crops out over 2 to 3 acres.

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (µmhos/cm)	pH	Reference
ELKO COUNTY (continued)																				
Trout Creek Ranch well SE¼SW¼S2,T46N,R69E	70	flowing	30Oct56	27	0.06	30	8.0	8.5	5.4	132	0	11	3.9	0.4	0	-	166	261	7.9	Moore & Eakin, 1968
Remarks: Depth - 246 ft; PO ₄ = 0.																				
Gamble's Hole SE¼S10,T46N,R69E	103	8	Nov21	32	0.06	31	8.9	15	147	0	15	3.2	-	0.22	-	-	173	-	-	Piper, 1923, p. 60-63; Waring, 1965, No. 25
Remarks: There are several thermal wells and springs to the northeast of this area in Idaho and Utah.																				
spring SE¼SW¼SE¼S10,T46N,R69E	93	-	10Nov76	23	-	29	8.1	9.6	4.6	144	0	13	3.3	0.4	-	-	162	240	7.2	unpublished data, USGS
Remarks: Sr = 0.36.																				
Trout Creek Ranch well NW¼NE¼S15,T46N,R69E	110	-	3Sep56	21	0.18	16	5.7	24	5.6	118	1	22	2	0.6	0	-	157	242	8.3	Moore & Eakin, 1968
Remarks: Depth - 247 ft; PO ₄ = 0; flowing well.																				
[53] Gray Rock Mine T46N,R58E	26.7°C	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks: At Jarbidge. Average water temperature from 1100 foot shaft. Temperature gradient 1°F/75 feet.																				
[54] San Jacinto Ranch (Mineral) Spring	<i>This is only rec'd slightly above 25°C/km here - not impure tan J</i>																			
spring S23,T64N,R64E	148	-	28Jun41	-	-	69	15	124	-	528	0	42	19	-	-	-	-	-	-	Miller, Hardman & Mason, 1953
spring NW¼NW¼S23,T46N,R64E	78	-	24Jan68	18	0	25	8.6	13	3.9	132	0	11	3.9	0.5	0.1	0	149	245	8.1	Moore & Eakin, 1968
Remarks: PO ₄ = 0; several springs and shallow wells.																				
spring S23,T46N,R64E	-	-	May47	-	-	54	17	83	-	254	14	107	30	-	-	-	-	-	-	Miller, Hardman & Mason, 1953
spring NW¼NW¼S23,T46N,R64E	78-126	1200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 22B
[55] Rizzi Ranch Hot Spring																				
spring S20,T45N,R54E	-	-	27Aug48	-	-	54	16	104	-	351	36	52	17	-	-	-	-	-	-	Miller, Hardman & Mason, 1953
Remarks: Reference gives location as T46N,R53E.																				
spring SW¼S20,T45N,R54E	104-106	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 21
Remarks: 4 springs; water used for bathing.																				
spring S29,T45N,R54E	106	-	1973	23	-	29	7.7	110	8.3	380	-	36	4.4	3.4	-	0.22	-	624	7.4	Mariner & others, 1974
Remarks: Li = 0.4; SSE of Potsville; estimated minimum reservoir temperature (silica) = 187°F.																				
[56] Mineral Hot (Contact Mineral) Spring																				
spring S16,T45N,R64E	133	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 22A
spring S16,T45N,R64E	140	-	1973	83	-	1.6	<0.01	75	2.2	108	-	45	15	8.9	-	0.47	-	344	9.1	Mariner & others, 1974
Remarks: Li = <0.2; mixed waters; thermal reservoir temp. est. = 260-264°F.																				
[57] springs S19(?),T43N,R51E	warm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks: Several springs in several sections; the canyon is Warm Springs Creek.																				
[58] Wild Horse Hot Spring SE¼SE¼S4,T43N,R55E	129	-	1973	40	-	48	12	130	22	482	-	40	14	5.2	-	0.67	-	818	7.2	Mariner & others, 1974
Remarks: Li = 0.5; estimated thermal reservoir temp. = 198°F.																				
[59] Hot Creek Springs																				
springs S32,T43N,R60E	-	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks: Ten springs in CNW¼S34,T43N,R60E on the Hot Creek 7½-minute quad.																				
H. D. Ranch Spring T43N,R60E	142-154	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Lamke & Moore, 1965
Remarks: Many springs; deposits of tufa; probably in NE¼NE¼S34.																				
[60] Hot Sulphur Springs																				
spring NE¼S8,T41N,R52E	194	-	1973	84	-	49	13	390	41	1180	-	18	40	7.2	-	0.77	-	1760	7.0	Mariner & others, 1974
Remarks: Li = 0.7.																				
springs NE¼S8,T41N,R52E	194	-	-	165	-	12	0.3	160	16	345	-	61	22	10	-	1.2	-	753	7.3	Mariner & others, 1975
Remarks: Li = 0.8, δD(‰) = -134.9, δO ¹⁸ (‰) = -16.78.																				
springs NE¼S8,T41N,R52E	hot	900-1350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Eakin, 1962b
[61] Wine Cup Ranch																				
Wine Cup Ranch Spring NE¼S25,T41N,R64E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Wells 2-degree sheet
well NW¼NW¼SE¼S25,T41N,R64E	138	-	21Jun67	-	-	49	17	139	426	18	69	30	-	-	-	-	-	850	8.4	Rush, 1968b
Remarks: Depth - 68 ft (?). Hot water is piped to the ranch buildings and a swimming pool. The well is reportedly near a fault.																				
well NW¼NW¼SE¼S25,T41N,R64E	hot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Rush, 1968b
Remarks: Depth - 59 ft (?).																				

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (µmhos/cm)	pH	Reference	
ELKO COUNTY (continued)																					
[62] well SE¼S15,T41N,R67E	71	-	21Jun67	-	-	32	8.3	41	160	-	-	42	20	-	-	-	-	373	8.0	Rush, 1968b	
[63] Petaini Springs SW¼S6,T40N,R53E	warm	1350-1800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Eakin, 1962b
Remarks: Stable discharge rate. Measured flow rate may be low due to loss between springs and measuring point.																					
[64] Thousand Springs																					Hose & Taylor, 1974
spring NE¼NW¼NE¼S4,T40N,R69E	111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Lamke & Moore, 1965
Remarks: Travertine deposit.																					
Gamble Ranch Spring S5,T40N,R69E	-	900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mifflin, 1968
Gamble Ranch Spring SW¼NW¼S8,T40N,R69E	69	1350	25Sep65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 27
Remarks: (ppm) Na + K = 0.48; Ca + Mg = 3.82; Cl + SO ₄ = 1.06.																					
spring T41N,R69E	boiling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Montello 7½-minute quad
Remarks: Probably located in T40N,R69E.																					
spring CNW¼S14,T40N,R69E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	885	8.2	Rush, 1968b	
Remarks: Warm springs.																					
Gamble Ranch Well No. 4 NW¼S16,T40N,R69E	76	-	21Jun67	-	-	74	27	93	278	-	-	103	117	-	-	-	-	-	-	-	Waring, 1965, No. 20
Remarks: Depth - 210 ft.																					
[65] spring S36(?),T39N,R45E	hot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Hose & Taylor, 1974
[66] spring S18,T39N,R50E	117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mahala Creek West 7½-minute quad (prelim.)
Remarks: Travertine deposit.																					
[67] Warm Creek S2 & 3,T39N,R53E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Lamke & Moore, 1965; Waring, 1965, No. 28
Remarks: A tributary of Gance Creek called Warm Creek flows through Sect. 2 and 3; it is fed by springs in both sections; map does not say they are warm.																					
[68] spring N¼S22 & S¼S15,T39N,R59E (unsurveyed)	hot	350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Squaw Valley Ranch 7½-minute quad
[69] Hot Lake N¼NW¼S25,T38N,R46E	hot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Willow Creek Reservoir 7½-minute quad
Remarks: Small (approx. 8 acre) lake.																					
[70] spring NE¼NE¼SE¼S11,T38N,R48E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 29
Remarks: This spring is the source for Hot Creek. It is not known if the spring is hot.																					
[71] spring SW¼SE¼S14,T38N,R59E	hot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Twin Buttes 7½-minute quad (prelim.)
Remarks: On the Cress Ranch.																					
[72] spring NE¼SW¼S11,T38N,R59E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Twin Buttes 7½-minute quad (prelim.)
spring SE¼SW¼S11,T38N,R59E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 30B
[73] Humboldt Wells																					
Twelvemile Spring NW¼NE¼NE¼S27,T39N,R67E	102	800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mariner & others, 1974
spring NE¼S17,T38N,R62E	142	-	1973	105	-	75	37	300	31	1135	-	32	27	7.2	-	0.89	-	1650	7.3	-	Mariner & others, 1975
Remarks: Li = 0.8.																					
spring NE¼S17,T38N,R62E	131	-	-	86	-	48	13	370	46	1230	-	12	37	7.4	-	0.73	-	1820	6.6	-	Waring, 1965, No. 30A
Remarks: Li = 0.72, Al = 0.002, Rb = 0.32, Mn = 0.09, Cu <0.01, Hg = <0.0001, δD(‰) = -136.6, δO(‰) = -16.95, gas (volume %): O ₂ + Ar = 2%, N ₂ = 4, CH ₄ <1, CO ₂ = 93.																					
spring SE¼NW¼NE¼S17,T38N,R62E	113-122	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Bradberry & Associates, 1964
Remarks: Three springs; large deposit of travertine.																					
spring SE¼NW¼NE¼S17,T38N,R62E	120-135	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 30
Sulphur Spring SE¼SE¼SE¼S20,T38N,R62E	98	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Oesterling, 1962
Remarks: Contains much H ₂ S.																					
Sulphur Spring SE¼SE¼SE¼S20,T38N,R62E	98	40	1961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Oesterling, 1962
Three Mile Spring NE¼NE¼SE¼S20,T38N,R62E	115	1	1961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Remarks: Smells of sulfur.

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
ELKO COUNTY (continued)																				
spring S20,T38N,R62E	122	-	1973	165	-	12	0.3	160	16	345	-	61	22	10	-	1.2	-	753	7.3	Mariner & others, 1974
Remarks: Li = 0.8.																				
spring E½S20,T38N,R62E	97	-	-	76	0.04	51	13	340	36	1150	-	29	34	7.0	-	0.8	-	1740	6.3	Mariner & others, 1975
Remarks: Li = 0.65, Al = 0.004, Rb = 0.30, Mn = 0.12, Cu < 0.01, Hg = 0.0002, δD(‰) = -136.6, δO ¹⁸ = -16.95. Gas (volume %): O ₂ + Ar = 6, N ₂ = 34, CH ₄ = 1, CO ₂ = 62.																				
spring SE¼S20,T38N,R62E	140	-	-	110	0.02	78	36	300	30	1210	-	24	26	6.1	-	0.77	-	1730	6.6	Mariner & others, 1975
Remarks: Li = 0.75, Al = 0.001, Rb = 0.25, δD = -134.7. Gas (volume %): O ₂ + Ar = 1, N ₂ = 3, CH ₄ = 2, CO ₂ = 96.																				
spring SE¼SE¼SW¼S29,T38N,R62E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Railroad Spring S29,T37N,R62E	warm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
[74] warm springs NE¼SE¼S26,T37N,R58E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks: Oxley Peak 7½-minute quad																				
[75] Pan American Petroleum Corp.-Cobre Minerals Corp. No. 1 well SW¼SF¼S3,T37N,R67E	170	-	1968	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks: Oil well (dry hole); depth - 5284 ft; bottom hole temperature of 170°F was reported at 4600 feet during drilling.																				
[76] Ralph's Warm Springs area																				
springs S28,T36N,R64E	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks: Water issues from several pools and seeps along a nearly 1 mile-long segment of the lower part of the alluvial slope.																				
spring S33,T36N,R64E	70	1193	26Sep65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks: (epm) Na + K = 0.69; Ca + Mg = 3.06; Cl + SO ₄ = 0.68. Several pool springs.																				
spring S33,T36N,R64E	warm	375	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
springs S34,T36N,R64E	warm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks: Bradberry & Associates, 1964																				
spring (seep) NE¼NE¼NW¼S4,T35N,R64E	80	-	1960	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks: Bradberry & Associates, 1964																				
spring SE¼NE¼NW¼S4,T35N,R64E	86	50	1960	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks: Wilson, 1960c																				
spring T34N,R62E	warm	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks: Probably Ralph's Warm Springs.																				
[77] Johnson Ranch Spring S28,T36N,R66E	73	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks: Waring, 1965, No. 34																				
[78] Elko Hot Springs area																				
City of Elko well (old well no. 13) SE¼S10,T34N,R55E	hot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks: Depth - 425 ft?; cold water was encountered between 390 ft and 400 ft but hot mud invaded the casing at 425 ft and the well was abandoned.																				
City of Elko well no. 12 SW¼S11,T34N,R55E	75	-	23Dec46	81	-	36	12	20	139	3	27	35	-	-	-	-	269	-	-	-
Remarks: Depth - 570 ft.																				
Western Pacific R. R. Co. well SW¼S15,T34N,R55E	warm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks: This well encountered warm water between 345-360 ft which flowed at the surface at 7 gpm.																				
Western Pacific R. R. well SW¼S15,T34N,R55E	hot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks: Depth - 281 ft; well abandoned and filled when hot caving material entered the hole.																				
Hot Hole (spring) NE¼S21,T34N,R55E	133	20	1973	65	-	60	15.5	120	39	488	1	72	16	1.9	-	0.70	-	908	7.2	Mariner & others, 1974
Remarks: Li = 0.33.																				
Hot Hole NE¼S21,T34N,R55E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks: Al = 0.002, N = 0.46, P = 0.06, Rb = 0.10, Sr = 3.4, Mn = 0.02, Cu = 0.04, Hg = 0.0003, δD(‰) = -144.7, δO ¹⁸ (‰) = -15.31.																				
Sulphur (White Sulphur, Humboldt) Hot Springs SE¼SE¼S21,T34N,R55E	150-190	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks: Eakin & others, 1951																				
Sulphur (White Sulphur, Humboldt) Hot Springs SE¼SE¼S21,T34N,R55E	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks: Waring, 1965, No. 32																				
Sulphur (White Sulphur, Humboldt) Hot Springs SE¼SE¼S21,T34N,R55E	-	450	before 1944	66	-	56	10	150	468	0	71	16	-	-	-	-	600	-	-	-
Remarks: Fe + Al = tr.																				
Remarks: Adams, 1944																				

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
ELKO COUNTY (continued)																				
[79] spring SW¼SE¼S31,T34N,R59E	warm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Soldier Peak 7½-minute quad
spring T33N,R58E(?)	warm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 33
[80] Hot springs near Carlin	Remarks: Several springs; 8 miles southwest of Fort Halleck. This may be the spring in S31,T34N,R59E (above). <i>Others are in S4,T36N,R58E the spring above would be about 8m SE of the fort & so it probably is Waring # 33.</i>																			
spring S33,T33N,R52E	174	-	1973	70	-	60	15	45	16	335	-	52	12	-	-	-	-	625	7.6	Mariner & others, 1974
spring S33,T33N,R52E	boiling	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Bradberry & Associates, 1964
spring SE¼SW¼S5,T32N,R52E	warm	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Bradberry & Associates, 1964
[81] Hot Sulfur Springs	Remarks: Seven hot springs in a northwest-trending line for one-third mile.																			
spring S8,T33N,R53E	98	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 31
spring NW¼S8,T33N,R53E	hot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Bradberry & Associates, 1964
[82] warm springs SW¼SW¼SE¼S12,T33N,R61E	warm	2000	1950	35	-	52	20	-	63	334	-	39	23	1.0	0.8	0.10	398	640	-	Eakin & others, 1951
[83] Sulphur Hot Springs	Remarks: 2 springs.																			
spring NW¼S11,T31N,R59E	199	20	1973	210	-	1.0	0.03	135	8.9	244	15	40	23	17.7	-	0.20	-	601	8.5	Mariner & others, 1974
spring NE¼NW¼S11,T31N,R59E	162	-	-	72	-	18	5.8	-	106	242	-	59	12	8.0	0.5	0.04	400	660	-	Eakin & others, 1951
spring NW¼S11,T31N,R59E	113	132	1973	230	-	1.6	0.02	150	9.8	247	12	40	4	19.0	-	0.23	-	652	8.6	Mariner & others, 1974
spring NW¼S11,T31N,R59E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mariner & others, 1975
Miller's Hot Springs T30N,R59E	170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 35
spring NW¼S11,T31N,R59E	205 max.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Olmsted & others, 1975
[84] Smith Ranch Spring	Remarks: 76 water samples from within 150 yards or less of the main pool; specific conductance is an average.																			
spring NW¼S2,T27N,R58E	149	-	1973	50	-	45	12	58	14	377	-	24	6.5	-	-	-	-	600	8.0	Mariner & others, 1974
spring NW¼S2,T27N,R58E	warm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Eakin & others, 1951
spring CW¼S2,T27N,R58E	hot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Eakin & others, 1951
spring S2,T27N,R58E	hot	small	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 34A
ESMERALDA COUNTY																				
[85] Fish Lake Valley	Remarks: Hardness (CaCO ₃) = 254; As = 0.20, PO ₄ = 0.4.																			
Fish Spring NW¼SW¼S25,T2N,R35E	75	-	25May57	-	-	13	4	-	65	158	1	38	7	1.5	-	.42	-	363	8.3	Rush & Katzer, 1973
spring SW¼SW¼SW¼S28,T2N,R36E	81	1±	-	-	-	-	-	-	-	-	-	-	578	-	-	-	-	3900	-	Van Denburgh & Glancy, 1970, p. 61
Gap Spring SW¼S32,T2N,R36E	73	10±	24May57	23	0.80	38	38	792	60	720	0	323	860	3.2	0	9.8	2500	4280	7.9	Van Denburgh & Glancy, 1970
Sand Spring SE¼SE¼S27,T1N,R34E	74	-	25May57	-	-	1.1	0.6	-	31	50	0	22	2	0.2	-	.02	-	144	7.2	Rush & Katzer, 1973
R. G. Pennebaker well SW¼SW¼S9,T1N,R35E	74	-	25May57	-	-	17	2.7	-	34	128	0	12	3	0.2	-	.06	-	240	7.9	Rush & Katzer, 1973
well NE¼NW¼S16,T1N,R36E	77	-	15Mar71	-	-	5	0	-	300	251	7	78	260	-	-	-	-	1500	8.4	Rush & Katzer, 1973

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
ESMERALDA COUNTY (continued)																				
well SW¼NW¼S20,T1N,R36E	77	-	25May57	-	-	48	7.4	258	601	0	98	70	4.2	-	-	-	1330	7.1	Rush & Katzer, 1973	
Nevada Oil and Minerals V.R.S. No. 1 well SW¼NE¼NE¼S16,T1S,R36E	318	-	16Nov70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Nevada Oil & Gas Conservation Commission, unpub. data
well NE¼S19,T1S,R36E	77	-	29Nov49	-	0.17	49	9.6	268	614	-	120	74	4.3	-	-	-	940	-	7	CWRR, 1973
[86] Southern Big Smoky Valley																				
well NW¼S14,T1N,R37E	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Rush & Schroer, 1970
Emigrant well NW¼S6,T1N,R38E	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Rush & Schroer, 1970
Fishlake Livestock Co. well SE¼SE¼S5,T1S,R39E	hot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Rush & Schroer, 1970
[87] Big Divide Mine NW¼SW¼S26,T2N,R42E	hot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	oral communication, Norman Coombs, 1973
[89] Pearl Hot Springs																				
springs SE¼NW¼SW¼S25,T1S,R40E	98	-	19Jan67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CWRR, 1973
[90] Alkali Springs																				
springs NW¼S26,T1S,R41E	140	50	18Jan67	-	-	46	4.6	349	348	-	492	68	-	-	-	-	-	1840	8.1	Rush, 1968a
springs NW¼S26,T1S,R41E	120-140	59	before 1907	42	-	46	-	282	-	142	-	501	64	-	-	-	-	-	-	Ball, 1907
springs NW¼S26,T1S,R41E	120-140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 112
springs SE¼NE¼S26,T1S,R41E	120	40	1913?	42	-	46	-	282	70	-	500	65	-	-	-	-	1010	-	-	Meinzer, 1917
springs	140	45	1905?	42	-	46	-	282	-	142	-	501	64	-	-	-	-	-	-	Ransome, 1909, p. 143
[91] Silver Peak Hot (Waterworks) Springs																				
springs CSE¼S15,T2S,R39E	69-118	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 111
[92] spring NW¼S6,T11S,R43E	77	-	20Jan67	-	-	9.6	2.4	238	-	-	-	-	47	-	-	-	-	-	-	CWRR, 1973
EUREKA COUNTY																				
[93] Horseshoe Ranch Springs																				
springs S32,T32N,R49E	136	30	-	58	-	22	5.8	136	17	378	0	62	27	5.0	-	0.81	-	-	7.0	Roberts, Montgomery & Lehner, 1967
springs S32,T32N,R49E	125-132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 88
spring 1 mi from Beowawe	-	-	22Feb37	-	-	28	tr	151	-	393	-	60	9	-	-	0.9	-	-	-	Miller, Hardman & Mason, 1953
[94] Beowawe Geysers																				
spring SE¼S8,T31N,R48E	208	26	1973	320	-	1.0	<0.1	230	16	321	32	130	69	17	-	2.1	-	1020	9.0	Mariner & others, 1974
well SW¼SW¼SW¼S9,T31N,R48E	77	-	-	125	-	16	1.4	220	17	440	-	100	49	11	-	1.7	757	1090	7.6	Olmsted & Rush, 1977
spring S17,T31N,R48E	190	-	-	330	-	1.0	-	210	8	-	-	-	56	-	-	-	-	-	-	Wollenberg & others, 1977
Remarks: U < 0.2 μg/l, Ba = 50 μg/l, W = 150 μg/l, Br = 135 μg/l, Sb = 13 μg/l, Mo = 19 μg/l, Rb = 145 μg/l, Cs = 200 μg/l, As = 40 μg/l, Fe < 70 μg/l, Sc < 0.02 μg/l, Mn < 3 μg/l.																				

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (µmhos/cm)	pH	Reference
EUREKA COUNTY (continued)																				
acidic spring S17,T31N,R48E	172	—	—	300	—	3	—	250	31	—	—	—	42	—	—	—	—	—	—	Wollenberg & others, 1977
				Remarks: U = 0.5µg/l, Ba = 190µg/l, W = 12µg/l, Br = 120µg/l, Sb = 5µg/l, Mo = 3µg/l, Rb = 215µg/l, Cs = 115µg/l, As <15µg/l, Fe = 670µg/l, Sc = 0.7µg/l, Mn = 115µg/l.																
hot spring S17,T31N,R48E	183	—	10Mar74	345	.09	9	0.82	229	14.2	0	152	128	67	18.7	<0.1	—	964	1006	9.7	Sanders & Miles, 1974
				Remarks: PO ₄ <0.1, NH ₄ = 0.5, Ag <0.2, As = 2.2µg/l, Ba <0.04, Be <0.005, Bi <0.1, Cd = 0.01, Cr <0.02, Cs = 1.04, Cu <0.01, Hg <0.5µg/l, Li = 2.59, Mn = .014, Ni = 0.05, Pb = 0.06, Rb = 0.266, Sb <0.1, Se <1.0µg/l, Sn = 0.05, Sr = 0.015, Zn = 2.32.																
spring S17,T31N,R48E	205	—	—	444	—	<1	<1	241	29	148	161	78	44	—	—	2.2	1100	—	—	White, 1964
spring S17,T31N,R48E	190	—	—	—	—	—	—	207	—	—	—	—	56	—	—	—	—	—	—	Wollenberg & others, 1975
				Remarks: U = <0.26 ppb; W = 147 ppb; Mo = 19 ppb; Sb = 13 ppb; Ba 61 ppb.																
spring S17,T31N,R48E	boiling	—	—	—	—	—	—	268	—	—	—	—	64	—	—	—	—	—	—	Wollenberg & others, 1975
				Remarks: Steam sample. U <0.16 ppb; W = 132 ppb; Mo = 12 ppb; Ba = 50 ppb. Duplicate analysis agrees closely.																
hot spring S17,T31N,R48E	—	—	—	413	—	tr	0	216	244	84	84	30	—	—	—	—	—	—	—	Nolan & Anderson, 1934
				Remarks: Al + Fe = tr.																
small geyser S17,T31N,R48E	170	—	—	449	tr	2	0	239	33	129	173	97	47	11	—	7	—	—	—	Nolan & Anderson, 1934
				Remarks: Al = 0, As = 0, NH ₄ = 4, S ₂ O ₃ = 1, H ₂ S = 0. Several species of diatoms live in the warm pools.																
pool below terrace S17,T31N,R48E	205	—	—	373	0.04	0.8	0	230	16	116	149	89	30	15	0.4	2.0	—	—	—	9.5 Roberts, Montgomery & Lehner, 1967
				Remarks: Al = 0, Mn = 0, Li = 1.3, NH ₄ = 0.5, Br = 0.4, H ₂ S = 5.5, Sr = 0, I = 0.																
geyser S17,T31N,R48E	—	—	—	418	—	tr	—	282	512	tr	91	70	—	—	—	—	—	—	—	Nolan & Anderson, 1934; Waring, 1965, No. 77A
				Remarks: Al + Fe = tr.																
Beowawe Hot Springs	—	—	—	413	—	tr	0	216	244	84	—	30	—	—	—	—	1081	—	—	Adams, 1944
				Remarks: Fe + Al = tr.																
hot springs	—	—	—	418	—	tr	0	282	512	tr	91	70	—	—	—	—	—	—	—	Adams, 1944
				Remarks: Fe + Al = tr.																
Flame Geyser	—	—	22Aug45	—	—	32	8	164	—	351	34	53	48	—	—	2.2	—	—	—	Miller, Hardman & Mason, 1953
steam well NW¼S17,T31N,R48E	—	—	1973	500	—	1.3	0.2	250	38	505	81	64	70	<0.05	—	2.5	—	1490	9.4	Mariner & others, 1974
				Remarks: Li = 2.1.																
well S17,T31N,R48E	steam	—	—	490	—	1.5	—	280	40	—	—	—	67	—	—	—	—	—	—	Wollenberg & others, 1977
				Remarks: From most northerly blowing well; U <0.07µg/l, Ba = 50µg/l, W = 135µg/l, Br = 145µg/l, Sb = 11µg/l, Mo = 11µg/l, Rb = 320µg/l, Cs = 220µg/l, As = 33µg/l, Fe <90µg/l, Sc <0.02µg/l, Mn <3µg/l.																
Sierra Pacific Power Co. well S17,T31N,R48E	385	—	—	1964	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Roberts, Montgomery & Lehner, 1967
				Remarks: Depth - 1500 ft.																
steam well S17,T31N,R48E	boiling	—	19Sep73	458	0.05	10	0	263	31	0	288	127	62	16	<0.1	—	1256	1211	9.9	Sanders & Miles, 1974
				Remarks: PO ₄ <0.1, NH ₄ = 0.9, Ag <0.004, As = 21µg/l, Ba <0.10, Be <0.005, Bi <0.10, Cd <0.002, Cr <0.04, Cs = 1.02, Cu <0.004, Hg <0.2µg/l, Li = 3.2, Mn <0.01, Nb <10, Ni = 0.03, Pb <0.02, Rb = 0.63, Sb <0.2, Se <1µg/l, Sn <0.2, Sr = 0.04, Ta <5, Zn = 0.01.																
Nevada Thermal (Magma Power Co.) No. 2 well NW¼S17,T31N,R48E	boiling	—	12Sep60	534	—	0.8	0.2	332	30	39	224	90	49	15	0.0	2.4	1200	1130	9.7	White, 1964
				Remarks: Al = 0.66, Fe = 0.00, As = 0.00, Sr = 0.21, Li = 1.6, NH ₄ = 0.4, I = 0.0, PO ₄ = 0.06, Br = 0.0. Sample may be 10 percent evaporated by boiling.																
Vulcan Thermal Power Co. Vulcan No. 1 well NW¼SE¼SW¼NW¼ S17,T31N,R48E	414	—	1961	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	unpublished data, Sierra Pacific Power Co.
				Remarks: Depth - 638 ft.																
[95] Raine Ranch(?) springs S6,7,T31N,R52E	warm	100+	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bradberry & Associates, 1964
[96] Hot Springs Point (Crescent Valley)																				
Crescent Valley Hot Springs SW¼S1,T29N,R48E	138	100	10Jun48	73	0.03	53	43	—	319	980	—	117	44	5.9	0.0	0.4	1140	1750	—	Zones, 1961b
spring SW¼S1,T29N,R48E	124	0	1960	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Wilson, 1960b
spring NE¼S1,T29N,R48E	124	15	1960	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Wilson, 1960b
spring SW¼S2,T29N,R48E	136	8	1960	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Wilson, 1960b
springs SE¼SE¼S2 & NE¼NE¼ S11,T29N,R48E	138	40	—	72	0.04	54	38	277	51	928	0	116	49	6.9	3.3	1.6	—	—	—	6.8 Roberts, Montgomery & Lehner, 1967
				Remarks: Mn = 0.09, Li = 1.0, PO ₄ = 0; water analysis is reported to be from springs in S11.																

Identification number, name, location	Temp. (F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference	
EUREKA COUNTY (continued)																					
spring NW¼S11,T29N,R48E	129	33	1973	67	-	53	35	230	58	913	<1	7	1	6.6	-	2.1	-	1730	6.6	Mariner & others, 1974	
				Remarks: Li = 1.1.																	
spring NE¼S11,T29N,R48E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mariner & others, 1975	
				Remarks: Al = 0.008, N = 3.2, P = 0.01, Br = 0.2, I = 0.02, Rb = 0.29, Ce = 0.1, Sr = 1.3, Cu = 0.04, Hg = <0.0001, δD(‰) = -125.8, δO ¹⁸ = -13.21; gas (volume %): O ₂ + Ar = 9, N ₂ = 31, CH ₄ <1, CO ₂ = 60.																	
springs SE¼SE¼S2 & NE¼NE¼ S11,T29N,R48E	122	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 88A	
Magma Power Co. Hot Springs Point No. 1 well S1,2 or 11, T29N,R48E	166	-	1965	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Koenig, 1970	
				Remarks: Depth - 410 ft.																	
[97] spring NW¼NW¼NE¼S10,T28N,R49E	186	2.5	1960	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Wilson, 1960a	
[98] Hot Creek Springs																					
spring NW¼S12,T28N,R52E	79	1585	1973	20	-	46	23.5	10	2.1	226	1	27	4.6	<0.1	-	0.03	-	408	7.3	Mariner & others, 1974	
				Remarks: Li = 0.02.																	
springs SW¼NW¼S12,T28N,R52E	84	5900	27Sep65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mifflin, 1968; Waring, 1965, No. 89	
				Remarks: (epm) Na + K = 0.53; Ca + Mg = 3.77; Cl + SO ₄ = 0.74.																	
springs SE¼NW¼S12,T28N,R52E	-	1800-2250	1960	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Eakin, 1961b	
[99] Carlotti Ranch (Sulfur) Springs																					
springs SE¼S24,T28N,R52E	95-102	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 90	
[100] Bruffey's (Mineral Hill) Hot Springs																					
spring S14,T27N,R52E	150	50	-	.58	-	52	16	39	8.7	2.87	0	27	14	0.7	0.1	0.25	-	-	7.0	Roberts, Montgomery & Lehner, 1967	
				Remarks: Mn = 0; Ba = 0; Li = 0.2.																	
springs S14,T27N,R52E	108-152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 90A	
[101] Flynn Ranch Springs																					
springs S5,T25N,R53E	69-78	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 91	
[102] Walti Hot Springs																					
spring W¼S33,T24N,R48E	163	-	-	.75	0.02	60	13	48	15	282	0	62	13	2.4	0.1	0.17	-	-	6.9	Roberts, Montgomery & Lehner, 1967	
				Remarks: Mn = 0; Li = 0; PO ₄ = 0.1.																	
spring S33,T24N,R48E	160	-	17Jun65	-	-	57	12	70	-	315	0	65	14	-	-	-	-	-	-	7.1	Everett & Rush, 1966
spring SW¼S33,T24N,R48E	162	79	1973	68	-	56	12	44	14	264	<1	64	12	2.5	-	0.12	-	592	6.5	Mariner & others, 1974	
				Remarks: Li = 0.3.																	
spring W¼S33,T24N,R48E	160	897	17Jun65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mifflin, 1968	
				Remarks: (epm) Na + K = 3.04; Ca + Mg = 3.82; Cl + SO ₄ = 1.75.																	
springs S33,T24N,R48E	hot	small	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 93	
[103] Shipley (Big Shipley, Sadler) Hot Springs																					
springs NE¼SE¼S23,T24N,R52E	103-106	5000	1960	40	0.01	57	21	29	5.9	279	0	35	21	0.2	0	0.26	346	540	7.2	Eakin, 1962a; Waring, 1965, No. 91B	
				Remarks: Mn = 0; Li = 0; PO ₄ = 0.1.																	
springs NE¼SE¼S23,T24N,R52E	94	3000	16Apr63	30	0	55	21	30	6	288	0	33	17	0.5	0.6	0.1	330	529	7.6	Harrill, 1968	
springs NE¼SE¼S23,T24N,R52E	106	6750	18Sep52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mifflin, 1968	
				Remarks: (epm) Na + K = 1.52; Ca + Mg = 4.57; Cl + SO ₄ = 1.29.																	
[104] Siri Ranch Spring																					
spring NW¼SW¼S6,T24N,R53E	81	5800	11Jul66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mifflin, 1968	
				Remarks: (epm) Na + K = 0.76; Ca + Mg = 4.00; Cl + SO ₄ = 0.89.																	
spring NW¼SW¼S6,T24N,R53E	87	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 91A	

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (µmhos/cm)	pH	Reference
EUREKA COUNTY (continued)																				
water well SW¼NE¼S6,T24N,R53E	95	—	5May66	25	0	51	20	15	3.4	255	0	25	10	0.4	0.5	0	276	449	8.0	Harrill, 1968
[105] Sulfur Springs springs NW¼S36,T23N,R52E	74	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 91C
[106] Thompson Ranch Spring spring NW¼SE¼S3,T23N,R54E	69	950	1Apr66	19	0.01	73	22	23	5.1	318	0	51	6.5	0.4	1.1	0	358	583	7.8	Harrill, 1968
Jacobson Ranch Springs NW¼SE¼S3,T23N,R54E	71-75	900	11Jul66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mifflin, 1968; Waring, 1965, No. 91D
Remarks: (epm) Na + K = 1.14; Ca + Mg = 5.03; Cl + SO ₄ = 1.47.																				
[107] Bartine Hot Springs springs NE¼NE¼S5,T19N,R50E	105, 108	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 93A
Bartine Ranch water well no. 4 NE¼S17?,T19N,R50E	116	33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	information from Fred Bartine
Remarks: Depth — 485 ft; artesian.																				
[108] Klobe (Bartholomae) Hot Springs spring NW¼SE¼S28,T18N,R50E	130	450	15Apr64	87	0.02	2.2	1.7	6.5	0.7	126	10	18	6.5	4.0	0	0.08	—	—	—	8.5 Roberts, Montgomery & Lehner, 1967
Remarks: Mn = 0; Li = 0; PO ₄ = 0.																				
spring NW¼NW¼SE¼S28,T18N,R50E	153	49(1966)	18Sep73	82	0.04	10.3	.002	66	1.0	66.4	40.5	16.2	11	4.8	<0.1	—	265	304	—	9.4 Sanders & Miles, 1974
Remarks: Li = 0.11, As = 0.024, Ba = 0.1, NH ₄ <0.1, PO ₄ <0.1, Be <0.005, Cu <0.004, Pb <0.02, Mn <0.01, Sr <0.02, Ni <0.02, Cd <0.002, Cr <0.04, Ag <0.004, Bi <0.10, Cs = .24, Hg <0.2µg/l, Nb <10.0, Rb <0.02, Sb <0.2, Se <.001, Sn <0.2, Ta <5.0, Zn <0.01. In Antelope Valley, 8 mi S of U. S. Hwy. 50. Spring flows from vertical 12" steel pipe approximately 50 ft SW of corral. Orifice is in alluvium 2 mi E of Monitor Range. Spring may be associated with buried range front fault.																				
spring SE¼S28,T18N,R50E	129	—	1973	85	—	1	<0.1	64	0.7	144	—	18	6.3	—	—	—	—	295	—	9.3 Mariner & others, 1974
spring NW¼NW¼SE¼S28,T18N,R50E	156	49	21Dec66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Fiero, 1968
spring NW¼SE¼S28,T18N,R50E	142	100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 93B
Hot Spring Ranch water well NW¼NW¼S28,T18N,R50E	158	—	21May64	—	—	0	0	71	—	94	26	22	7.1	—	—	—	—	315	—	9.0 Rush & Everett, 1964
Remarks: Well drilled in Klobe (Clobe) Hot Spring.																				
Hot Spring Ranch water well NW¼NW¼SE¼S28,T18N,R50E	158	3	21Dec66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Fiero, 1968
Remarks: Flowing well; depth — 39.5 ft.																				
Hot Spring Ranch water well NW¼NW¼SE¼S28,T18N,R50E	72	—	21May64	—	—	0	0	72	—	92	29	22	7.3	—	—	—	—	319	—	9.1 Rush & Everett, 1964
Remarks: Depth — 35 ft.																				
"cold" spring NW¼NW¼SE¼S28,T18N,R50E	70	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Fiero, 1968
Bartholomae Corp. water well SW¼S18,T18N,R51E	74	14	1949	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Rush & Everett, 1964
Remarks: Depth — 670 ft; flowing.																				
Bartholomae Corp. water well NW¼S30,T18N,R51E	72	200	16Apr64	—	—	24	7.8	36	—	135	12	28	7.0	—	—	—	—	319	—	8.7 Rush & Everett, 1964
HUMBOLDT COUNTY																				
[109] Cordero Mercury Mine Cordero Mining Co. well SE¼S28,T47N,R37E	140	—	—	57	tr	36	10	62	—	195	—	56	34	—	—	—	365	500	—	Visher, 1957
Remarks: Depth — 442 ft.																				
Cordero Mining Co. well SE¼S28,T47N,R37E	125	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Holmes, 1966
Remarks: Hot water is pumped from a 600 ft deep well at 10 gpm for domestic uses; it is augmented by 8 gpm of cold water.																				
Cordero Mining Co. well S28,T47N,R37E	138	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.6 White, 1955; Waring, 1965, No. 6A
Remarks: Depth — 580 ft.																				
Cordero Mining Co. well S28,T47N,R37E	118	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	White, 1955; Waring, 1965, No. 6A
Remarks: Depth — 550 ft.																				
Noque's Nevada well NE¼NE¼SE¼S17,T47N,R38E	92	—	16Jun77	110	0.00	5.8	0.2	58	12	119	—	26	14	2.6	2.4	0.37	322	323	—	unpublished data, USGS
Remarks: Depth — 701 ft.																				

HUMBOLDT COUNTY (continued)

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference		
[110] Bog Hot Springs																						
spring SW¼NW¼S7,T46N,R28E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Railroad Point 15' quad		
Bog Hot Springs NE¼NW¼S18,T46N,R28E	132	1000	6May61	51	-	0.4	0	78	-	0.6	113	6	41	15	2.0	0.5	0.66	262	345	8.4	Sinclair, 1963c	
spring 12 mi west of Pine Forest Range	108	small	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 1	
spring 6 mi southwest of Denio	130; 190	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 2	
spring NW¼S18,T46N,R28E	129	1057	1973	57	-	0.2	<0.1	81	1.0	116	11	45	15	1.7	-	0.91	-	-	356	9.1	Mariner & others, 1974	
spring NW¼S18,T46N,R28E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mariner & others, 1975	
2 springs S18,T46N,R28E	131	20	19Feb74	60	.09	.14	.02	89	1.5	79.9	21.9	47	30	2.06	1.6	-	-	-	293	386	9.0	Sanders & Miles, 1974
Bog Hot Springs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Cathrall & others, 1977	
Bog Hot Spring 41°55'25"N, 118°48'16"W	129	-	1970	56	-	0	0	77	0.9	125	0	46	15	1.7	-	0.71	259	-	-	-	Cathrall & others, 1977	
[111] Baltazor (Continental) Hot Springs																						
spring NW¼S13,T46N,R28E	176	26	1973	160	-	8.4	<0.1	180	8.7	139	2	220	48	7.1	-	2.9	-	-	947	8.0	Mariner & others, 1974	
spring S13,T46N,R28E	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	personal communication, Steve Kleeberger, 1973	
Continental Hot Springs SE¼NW¼S13,T46N,R28E	hot	200	1963	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Sinclair, 1963c	
water well NW¼S13,T46N,R28E	194	7	1973	150	-	10	0.1	180	8.2	156	<1	230	47	6.8	-	2.1	-	-	934	7.5	Mariner & others, 1974	
spring SE¼NW¼S13,T46N,R28E	178	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 3	
Baltazor Hot Spring 41°55'18"N, 118°42'33"W	181	-	1970	130	-	14	0.2	180	8.6	163	0	220	48	6.6	-	2	690	-	-	-	Cathrall & others, 1977	
[112] Virgin Valley Campground No. 1 well CW¼S2,T45N,R26E	90	-	1970	32	-	3.7	0	29	0.4	64	0	12	4.7	1.8	-	0.08	115	-	-	-	Cathrall & others, 1977	
[113] McGee Mountain E¼T45N,R27E	131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Wendell, 1970, p. 95, 98, 109	
[114] Fivemile Spring S22,T45N,R33E	83	224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Zones, 1963	
2 springs S22,T45N,R33E	76-80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 6	
[115] springs about T45N,R41E	hot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 7	
[116] springs CW¼S12,T44N,R27E	warm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Railroad Point 15-minute quad	
[117] Howard Hot Spring																						
spring SE¼NE¼NE¼S4,T44N,R31E	136	50	7Oct60	84	-	2.4	0.5	91	2.0	52	39	64	14	7.9	0.1	.26	324	401	9.3	Sinclair, 1962a		
spring NE¼S4,T44N,R31E	133	-	1973	85	-	3	<0.1	88	1.7	127	-	62	10	-	-	-	-	400	9.2	Mariner & others, 1974		

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
HUMBOLDT COUNTY (continued)																				
spring T45N,R32E	118	small	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 4
Remarks: 12 mi north of Mason's Crossing of Quinn River. Probably Howard Hot Spring.																				
spring NE¼S5,T44N,R31E	163	5	7Oct60	84	—	3.2	0	90	2.3	58	0.4	46	12	8.0	0.2	0.21	344	398	9.3	Sinclair, 1962a
spring T45N,R32E	130	150	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 5
Remarks: 11 mi north of Quinn River (town). Location unknown, possibly Howard Hot Spring.																				
[118] Ninemile Springs SW¼NE¼SW¼ S10,T44N,R33E	79	450	22Jun59	54	0.14	25	5.8	—	33	117	—	20	22	0.1	.2	0.07	219	303	8.0	Zones, 1963
Remarks: Springs at Ninemile Ranch are in alluvium near bedrock; the water temperature is about 15°F above that from wells in the valley.																				
[119] Dyke Hot Springs	151	26	1973	85	—	1.8	<0.1	150	4.3	243	17	82	21	8.0	—	1.0	—	666	8.9	Mariner & others, 1974
Remarks: Li = 0.09.																				
spring SE¼S25,T43N,R30E	158	—	8Oct60	83	—	3.2	0	146	3.7	218	16	76	6.0	8.9	0.3	0.41	470	636	8.7	Sinclair, 1962a
springs SE¼SE¼S25,T43N,R30E	155	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 10
Remarks: 7 mi west of Mason's Crossing of Quinn River.																				
[120] spring SW¼NE¼S12,T42N,R30E	104	1-2	8Oct60	125	3.2	—	1.5	210	6.2	358	7	67	54	14	1.2	2.9	660	883	8.3	Sinclair, 1962a
Remarks: Flowing into stock tank.																				
[121] well NW¼S11,T42N,R31E	75	170	8Oct60	65	—	18	2.4	34	4.8	104	0	25	15	0.6	0.8	0.11	244	259	7.7	Sinclair, 1962a
Remarks: Depth - 352 ft; flowing.																				
[122] spring SE¼S19,T42N,R32E	70	5	7Oct60	51	—	30	6.3	455	9.9	948	0	204	69	9.8	0.4	1.3	1290	1900	8.1	Sinclair, 1962a; Waring, 1965, No. 10A
[123] U.S.G.S. test well no. 21 SE¼NE¼S32,T42N,R33E	76	—	5Oct54	39	0.04	32	5.2	416	11	885	0	184	59	0.9	0.2	1.7	1180	1820	—	Malmberg & Worts, 1966
Remarks: Depth - 88 ft.																				
[124] well NE¼S20,T41N,R35E	80	—	26Oct54	4.8	—	2.2	0.8	197	18	211	36	70	106	1.4	0.2	—	541	941	9.0	Sinclair, 1962b
Remarks: Depth - 112 ft; water from other wells in Desert Valley averaged about 60°F, springs averaged about 58°F.																				
[125] E. W. Gondra well NE¼SE¼S22,T41N,R40E	71	—	18Jul68	83	—	23	6	—	—	173	7	31	29	0.7	2.0	0.20	337	—	8.4	Harrill & Moore, 1970
Remarks: Depth - 435 ft, As = 0.01.																				
[126] The Hot Springs	136	—	1973	55	—	10	8	296	—	36	—	881	—	36	—	—	—	1340	8.0	Mariner & others, 1974
Remarks: Travertine present. Silica estimated reservoir temperature = 223°F.																				
spring NE¼S20,T41N,R41E	135	60	14Aug45	—	—	26	8.5	334	—	—	—	920	—	34	—	—	2.54	930	—	Loeltz, Phoenix & Robinson, 1949, p. 33
spring NE¼NE¼S19,T41N,R41E	135	—	14Aug45	—	—	26	8.5	—	334	920	—	34	26	—	—	—	—	—	—	Harrill, & Moore, 1970
spring SW¼NE¼S19,T41N,R41E	130	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 11
spring T41N,R41E	130	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 11A
[127] hot spring T41N,R43E	hot	small	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 8
Remarks: 25 mi east of Paradise Valley near North and South Forks of Humboldt River. Location uncertain.																				
[128] Soldier Meadows Hot Springs	hot	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 8
spring S5,14,15,22,T40N,R24E	129	13	1973	63	—	3.1	<0.1	74	1.1	92	3	41	18	12	—	0.64	—	363	8.6	Mariner & others, 1974
Remarks: Li = 0.17.																				
spring S23,T40N,R24E	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mariner & others, 1975
Remarks: Al = 0.011, N = 0.10, P = 0.04, As = 0.06, Br = 0.06, I = 0.01, δD(‰) = -129.9, δO ¹⁸ (‰) = -16.56. Gas (volume %): O ₂ + Ar = 7, N ₂ = 93, CH ₄ <1, CO ₂ <1.																				
spring S23,T40N,R24E	warm	—	6May61	65	—	2.4	1.5	76	0	96	0	39	21	12	0.5	0.82	272	357	7.6	Sinclair, 1963a
springs S23,T40N,R24E	118	—	—	65	—	2.6	1.4	76	1.3	96	0	39	21	10	—	1.0	272	360	7.6	Grose & Keller, 1975b; Mud Meadow 7½-minute sheet
Remarks: Numerous hot springs in all parts of S23.																				
spring S23,T40N,R24E	129	—	—	63	—	3.5	1.1	74	1	90	3	35	18	12	—	0.6	275	360	8.6	Grose & Keller, 1975b
spring S23,T40N,R24E	hot	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mud Meadows 7½-minute sheet
springs CSE¼SE¼S25,T40N,R24E	hot	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mud Meadows 7½-minute sheet
springs SW¼NW¼S18,T40N,R25E	hot	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Soldier Meadow 7½-minute sheet
spring NE¼NW¼S18,T40N,R25E	hot	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Soldier Meadow 7½-minute sheet
spring NW¼SW¼S19,T40N,R25E	hot	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mud Meadows 7½-minute sheet

Identification number, name, location	Temp. (F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference	
HUMBOLDT COUNTY (continued)																					
[129] Pinto Hot Springs																					
East Pinto Hot Spring E¼SE¼S17,T40N,R28E	199	132	1973	150	—	14	0.4	330	23	495	1	120	160	12	—	7.5	—	1560	7.1	Mariner & others, 1974	
West Pinto Hot Spring (well) CNE¼S19,T40N,R28E	198	26	1973	160	—	4.6	0.1	320	25	436	2	130	160	14	—	6.9	—	1520	7.7	Mariner & others, 1974	
West Pinto Hot Spring S19,T40N,R28E	200	—	—	162	—	5	0.1	325	26	440	2	130	160	15	—	7	—	1500	7.7	Grose & Keller, 1975b	
East Pinto Hot Spring S21,T40N,R28E	201	—	—	155	—	19	0.3	325	26	500	1	120	160	14	—	7	—	1560	7.2	Grose & Keller, 1975b	
spring S21 or 28,T40N,R28E	hot	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Sinclair, 1963a	
Pinto Mountain Hot Springs S29,T40N,R28E	boiling	50	—	—	—	—	—	—	—	420	0	126	159	—	—	—	1043	—	—	Sinclair, 1963a	
[130] Cain Spring SE¼S30,T39N,R27E	74	5	6May61	34	—	6.4	0.2	55	0.6	120	0	15	11	0.3	0.3	0.32	186	264	8.2	Sinclair, 1963a	
Cain Spring S30,T39N,R27E	74	—	Jun75	32	—	7	0.2	55	0.6	120	0	15	12	0.3	—	0.3	186	264	8.1	Grose & Keller, 1975b	
[131] Double Hot Springs—Black Rock Hot Springs area																					
well SE¼S10,T37N,R25E	97	—	Aug75	80	—	10	3.0	77	11	165	0	45	32	1.5	—	0.2	321	446	7.8	Grose & Keller, 1975b	
well SE¼S10,T37N,R25E	97	—	14Jun61	79	—	9.6	2.8	78	11	165	—	38	28	1.8	0	—	—	446	7.8	Sinclair, 1963a	
well NW¼S11,T37N,R25E	103	—	Feb51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Sinclair, 1963a	
well SW¼S26,T37N,R25E	78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Sinclair, 1963a	
well NE¼S26,T37N,R25E	72	—	9Nov50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Sinclair, 1963a	
spring T37N,R25E	hot	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 13, 14?	
spring S10,T37N,R26E	130-150	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 12A	
Double Hot Springs S4,T36N,R26E	172	—	—	105	—	15	0.1	225	4.5	260	2	120	80	10	—	2.0	—	910	8.0	Grose & Keller, 1975b	
spring S4,T36N,R26E	176	46	1973	105	—	4.8	0.1	180	4.5	261	2	120	59	10	—	1.8	—	902	7.9	Mariner & others, 1974	
spring S4,T36N,R26E	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mariner & others, 1975	
Double Hot Springs NW¼S4,T36N,R26E	165-191	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 12	
Double Hot Springs NW¼S4,T36N,R26E	—	250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Sinclair, 1963a	
spring S4(?),T36N,R26E	150	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
spring DH-2 S16,T36N,R26E	155	—	—	130	—	17	0.1	230	4.5	280	0	120	110	10	—	2.1	—	—	7.6	Grose & Keller, 1975b	
Van Riper? Springs T36N,R24E	145	50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 15	
spring DH-3 S16,T36N,R36E	164	—	—	112	—	15	0.15	260	5.6	275	0	140	120	9.4	—	2.0	—	—	7.0	Grose & Keller, 1975b	
spring DH-4 S21,T36N,R26E	155	—	—	86	—	18	0.19	265	10	280	0	135	120	10	—	1.8	—	—	7.1	Grose & Keller, 1975b	
springs S22,T36N,R26E	165-194	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Hose & Taylor, 1974	
springs S16,21,24,34,T36N,R26E	hot	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 17	

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
HUMBOLDT COUNTY (continued)																				
spring S27,T36N,R26E	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Sinclair, 1963a
spring S34,T36N,R26E	194	—	1973	120	—	35	4	1500	20	932	—	290	787	—	—	—	—	6590	8.1	Mariner & others, 1974
Black Rock Hot Springs NW¼S34,T36N,R26E	136	50	3May61	62	—	18	1.9	486	13	902	0	130	155	8.9	0.2	2.8	1330	2050	7.9	Sinclair, 1963a
Black Rock Spring S34,T36N,R26E	131	—	—	70	—	24	0.19	570	12	902	0	130	180	9	—	2.8	1330	2050	7.5	Grose & Keller, 1975b
hot spring approx. S2,T35N,R26E	194	small	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Johnson, 1977, p. 106
spring DH-7 S10,T35N,R26E	202	—	—	120	—	36	4	1500	20	932	0	290	790	14	—	4	—	6650	8.1	Grose & Keller, 1975b
[132] Macfarlane's Bath House Spring NW¼S27,T37N,R29E	170	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Sinclair, 1963a
[133] spring SW¼SW¼S3,T37N,R39E	158	2	10Aug61	—	—	30	7.1	450	26	1240	0	52	14	—	—	—	1190	1900	7.4	Cohen, 1962c
well SW¼SE¼S3,T37N,R39E	156	2	28Apr62	—	—	26	11	—	—	1230	—	71	16	—	—	1.4	—	1900	7.7	Harrill & Moore, 1970
well SE¼S3,T37N,R39E	158	2	25Oct47	—	—	29	10	467	—	1240	—	73	22	—	—	—	1250	—	—	Loeltz, Phoenix & Robinson, 1949
[134] spring S24,T37N,R43E	warm	>200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Anctil, 1960; Waring, 1965, No. 19E?
hot spring S35,T37N,R43E	hot	2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Lamke & Moore, 1965
[135] Cane Spring SW¼SE¼S8,T36N,R24E	71	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Alvin McLane, personal communication, 1971
Caine Spring S11,T36N,R24E	73	—	Jun75	74	—	23	8.5	75	10	107	0	24	32	0.1	—	0.1	250	325	7.9	Grose & Keller, 1975b
Caine (Cane) Spring NE¼S16,T36N,R24E	70	10	12Dec61	74	—	23	8.4	74	10	107	0	22	32	0.1	1.8	0	256	323	7.3	Sinclair, 1962c
spring T36N,R25E	hot	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 16
[136] spring SE¼NE¼SW¼ S13,T36N,R37E	93	—	20Jul61	25	0	179	58	74	2.0	211	0	390	191	0.3	20	0.4	1040	1540	7.7	Cohen, 1962c
spring 2 mi north of Winnemucca (T36N,R37E?)	hot	—	—	0	—	16	2	—	382	937	0	76	23	—	—	—	953	—	—	Adams, 1944; Waring, 1965, No. 18
[137] BLM well SW¼NE¼SE¼ S26,T36N,R38E	73	—	27Jul61	10	0.04	102	30	42	3.5	166	0	85	178	0.3	2.9	0.1	536	1020	8.0	Cohen, 1962c
[138] Calif. Pacific Utilities Co. well NE¼SW¼SE¼ S30,T36N,R38E	73	—	24Jul61	51	0	56	19	60	6.5	260	0	72	58	0.3	0.3	0.4	452	728	7.9	Cohen, 1964c
[139] Golconda area spring SE¼S29,T36N,R40E	165	198	1973	66	—	33	6.8	130	22	429	<1	56	18	1.8	—	1.1	—	810	6.5	Mariner & others, 1974
spring SE¼S29,T36N,R40E	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mariner & others, 1975
well NE¼SE¼SW¼ S29,T36N,R40E	73	—	7Aug61	80	—	40	6.8	126	22	434	0	50	20	—	—	—	478	811	7.7	Cohen, 1962c
Golconda Hot Springs NE¼SW¼SE¼ S29,T36N,R40E	148	50-200	24Aug45	—	—	33	8	180	—	444	0	108	21	—	—	—	—	—	—	Miller, Hardman & Mason, 1953

Remarks: Hot springs shown on map.

Remarks: Unsurveyed area, near Black Rock (lat. 40°57'N, long. 118°58'W).

Remarks: In Pershing County; Li = 0.25.

Remarks: Depth - 61 ft.

Remarks: Depth - 61 ft; well reportedly drilled at the site of a small spring which ceased to flow after the well was drilled.

Remarks: Hot Springs Ranch is in S26.

Remarks: Several springs; 10 mi southeast of Division Peak. Possibly Caine Springs.

Remarks: Fe + Al = 1; this analysis may not be for this spring—it is listed as "Hot Spring, Paradise Valley".

Remarks: Depth - 55 ft.

Remarks: Depth - 495 ft.

Remarks: Li = 0.36.

Remarks: Al = 0.002, N = 0.30, P = 0.04, As = 0.02, Br = 0.02, I = 0.005, Rb = 0.09, Ce = 0.2, Sr = 0.73, Fe = 0.22, Mn = 0.10, Cu = 0.05, Hg = 0.0001, δD(‰) = -125.5, δO¹⁸(‰) = -15.65. Gas (volume %): O₂ + Ar = 4, N₂ = 58, CH₄ = 1, CO₂ = 38.

Remarks: Depth - 18 ft.

Identification number, name, location	Temp. (F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
HUMBOLDT COUNTY (continued)																				
spring NE¼SW¼SE¼ S29,T36N,R40E	148	—	2Dec61	59	0	35	8.4	146	23	448	0	56	20	2.0	0.4	1.3	571	845	8.2	Cohen, 1962c; Waring, 1965, No. 19B
Golconda Hot Springs SE¼NE¼S32,T36N,R40E	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Davis, 1954, p. 2
well CNE¼NE¼S32,T36N,R40E	177	—	1966	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	D. I. Segerstrom, written communication, 1972
Golconda Hot Springs T36N,R40E	109	—	20Feb74	40	0.79	47	7.8	159	24	528	0	57	27	2.9	0.2	—	626	942	7.0	Sanders & Miles, 1974
				Remarks: PO ₄ <0.1, NH ₄ = 0.8, Ag <0.02, As = 0.9μg/l, Ba = .46, Be <0.005, Bi <0.01, Cd <0.01, Cr <0.02, Cs = 1.12, Cu <0.01, Hg <0.5μg/l, Li = .527, Mn = .096, Ni = .06, Pb = .02, Rb = .198, Sb <0.1, Se <1.0μg/l, Sn <0.05, Sr = 0.227, Zn = 0.068.																
springs T36N,R40E.	120-150	250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 19
Golconda Hot Springs	149	50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	White, 1955, p. 136
Golconda tungsten mine drill hole 302 CSW¼S36,T36N,R40E	143	—	1972	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	D. I. Segerstrom, written communication, 1972
spring S36,T36N,R40E	69	1.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	D. I. Segerstrom, written communication, 1972; Waring, 1965, No. 19C
[140] spring SW¼NE¼NE¼ S2,T36N,R41E	70	25	8Aug61	34	0	2	0	620	3.5	1080	143	98	46	16	0	4.6	1500	2340	9.2	Cohen, 1962c; Waring, 1965, No. 19D
				Remarks: 2 thermal springs.																
[142] Northern East Range area																				
well no. 5 CNW¼S21,T35N,R36E	84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Cohen, 1962c
well NW¼NW¼NW¼ S27,T35N,R36E	82	—	19Jul61	52	0.05	117	48	512	60	1610	0	59	225	4.8	1.0	7.8	1880	3030	7.8	Cohen, 1962c
				Remarks: Depth - 99 ft.																
spring SW¼SW¼SE¼ S28,T35N,R36E	83	—	18Jul61	73	0.08	61	12	550	51	1270	10	100	237	6	3.5	9.2	1740	2640	8.3	Cohen, 1964
spring NE¼NW¼NE¼ S28,T35N,R36E	82	—	18Jul61	50	0.01	17	40	920	94	1940	41	121	381	12	0.8	15	2650	4080	8.3	Cohen, 1964
[143] Sulfur Spring S34,T35N,R41E	hot	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Kerr, 1940, p. 1369
				Remarks: Extensive tufa deposits.																
[144] Hot Pot (Blossom Hot Springs)																				
spring SW¼S11,T35N,R43E	136	—	1973	80	—	29	5	288	33	823	—	60	28	—	—	—	—	1400	8.0	Mariner & others, 1974
				Remarks: Li = 0.72; travertine present; estimated reservoir temperature = 257°F.																
spring S11,T35N,R43E	95	400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bradberry & Associates, 1964
Blossom Hot Springs NW¼SW¼S11,T35N,R43E	107	70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 19A
				Remarks: Spring rises in broad deep pool.																
[145] Brooks Hot Spring																				
spring NW¼NE¼S13,T34N,R41E	94	450	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bradberry & Associates, 1964
spring NW¼NE¼S13,T34N,R41E	94	2+	1959	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Olcott, 1959
spring NW¼NE¼S13,T34N,R41E	98	~20	1973	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 19F
				Remarks: Flowing from alluvium in a man-made trench.																
[146] Hot Springs (Tipton) Ranch																				
spring NW¼NW¼NW¼ S4,T33N,R40E	—	30-40	1959	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Oesterling, 1959
				Remarks: Along fault zone.																

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference	
HUMBOLDT COUNTY (continued)																					
Magma Power Co. Tipton No. 1 well SW¼NW¼SW¼ S4,T33N,R40E	—	—	1974	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
																				Remarks: Depth — 3071 ft; geothermal well (API No. 27-013-9000).	
spring W¼SE¼SE¼ S5,T33N,R40E	115	15	1959	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Oesterling, 1959	
																				Remarks: Along fault zone; 120 gpm total from several springs.	
springs SE¼NE¼SE¼ S5,T33N,R40E	—	50 & 15	1959	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Oesterling, 1959; Waring, 1965, No. 19G	
																				Remarks: Two springs along fault zone.	
spring SE¼S5,T33N,R40E	185	26	1973	125	—	16	0.9	200	18	385	—	140	41	—	—	2.6	—	1060	8.4	Mariner & others, 1974	
																				Remarks: Li = 1.2.	
LANDER COUNTY																					
[147] Izzenhood Ranch Springs SW¼NE¼NW¼ S10,T35N,R45E	warm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Lamke & Moore, 1965	
																				Remarks: Water level lowered 4 ft by trenching, thus doubling original discharge; water used for irrigation.	
springs SW¼NE¼NW¼ S10,T35N,R45E	83	1000	1917	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 76	
																				Waring, 1965, No. 77	
[148] White Rock Springs S8,T33N,R47E	warm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bradberry & Associates, 1964	
																				Remarks: 2 mi west of Rock Creek.	
[149] spring NE¼SW¼S6,T32N,R46E	warm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Sinclair, 1963a	
																				Remarks: Two springs.	
[150] spring NW¼S11,T31N,R42E	75	—	8Oct60	65	—	18	2.4	34	4.8	104	0	25	15	0.6	0.8	0.11	244	259	7.7		
[94] Beowawe Geysers S17,T31N,R48E																				See Eureka County.	
[151] Buffalo Valley Hot Springs																					
spring S6,T29N,R41E	162	—	—	75	—	24	—	268	29	—	—	—	28	—	—	—	—	—	—	Wollenberg & others, 1977	
																				Remarks: U <0.08 μg/l, Ba = 160 μg/l, W = 28 μg/l, Br = 62 μg/l, Sb = 37 μg/l, Mo = 4 μg/l, Rb = 124 μg/l, Cs = 150 μg/l, As <10 μg/l, Fe <100 μg/l, Sc <0.02 μg/l, Mn = 30 μg/l.	
spring S6,T29N,R41E	162	—	—	64	—	25	—	269	27	—	—	—	28	—	—	—	—	—	—	Wollenberg & others, 1977	
																				Remarks: U <0.16 μg/l, Ba = 160 μg/l, W = 28 μg/l, Br = 62 μg/l, Sb = 37 μg/l, Mo <1 μg/l, Rb = 133 μg/l, Cs = 155 μg/l, As <10 μg/l, Fe <100 μg/l, Sc <0.02 μg/l, Mn = 30 μg/l.	
spring S6,T29N,R41E	154	—	—	84	—	20	—	280	36	—	—	—	25	—	—	—	—	—	—	Wollenberg & others, 1977	
																				Remarks: U <0.14 μg/l, Ba = 135 μg/l, W = 24 μg/l, Br = 70 μg/l, Sb = 22 μg/l, Mo <1 μg/l, Rb = 135 μg/l, Cs = 160 μg/l, As = 25 μg/l, Fe <100 μg/l, Sc <0.02 μg/l, Mn = 10 μg/l.	
spring S6,T29N,R41E	149	—	—	81	—	28	—	277	27	—	—	—	26	—	—	—	—	—	—	Wollenberg & others, 1977	
																				Remarks: U <0.16 μg/l, Ba = 140 μg/l, W = 33 μg/l, Br = 70 μg/l, Sb = 35 μg/l, Mo <1 μg/l, Rb = 130 μg/l, Cs = 160 μg/l, As <10 μg/l, Fe <250 μg/l, Sc <0.02 μg/l, Mn = 40 μg/l.	
spring S6(T?),T29N,R41E	warm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Ransome, 1909b	
																				Remarks: West side of Buffalo Valley.	
springs SE¼S23,T29N,R41E	130	5	—	117	tr	30	tr	—	327	761	0	109	34	—	0	—	1032	—	—	Waring, 1965, No. 78	
spring SE¼S23,T29N,R41E	120	3	1973	80	—	45	4.9	250	34	813	<1	110	29	4.8	—	2.3	—	1530	6.5	Mariner & others, 1974	
																				Remarks: Li = 0.80.	
spring SE¼S23,T29N,R41E	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mariner & others, 1975	
																				Remarks: Al = 0.01, N = 1.7, P = 0.02, As = 0.01, Br = 0.1, I = 0.02, Rb = 0.18, Ce = 0.2, Sr = 2.4, Fe = 0.05, Mn = 0.06, Cu = 0.08, Hg = 0.0001, δD(‰) = -131.6, δO ¹⁸ (‰) = -15.85. Gas (volume %): O ₂ + Ar = 4, N ₂ = 35, CH ₄ = 2, CO ₂ = 60.	
spring SE¼S23,T29N,R41E	174	—	5Aug74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1460	Olmsted & others, 1975
spring T29N,R41E	162	—	—	—	—	—	—	263	—	—	—	—	27	—	—	—	—	—	—	Wollenberg & others, 1975	
																				Remarks: U <0.08 ppb; W = 27 ppb; Mo = 4 ppb; Sb = 41 ppb; Ba = 157 ppb.	
spring T29N,R41E	154	—	—	—	—	—	—	275	—	—	—	—	24	—	—	—	—	—	—	Wollenberg & others, 1975	
																				Remarks: U <0.14 ppb; W = 34 ppb; Mo <1 ppb; Sb = 24 ppb; Ba = 127 ppb.	

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
LANDER COUNTY (continued)																				
spring T29N,R41E	149	-	-	-	-	-	-	272	-	-	-	-	25	-	-	-	-	-	-	Wollenberg & others, 1975
Remarks: U < 0.18 ppb; W = 32 ppb; Mo < 1 ppb; Sb = 40 ppb; Ba = 134 ppb.																				
spring T29N,R41E	162	-	-	-	-	-	-	264	-	-	-	-	27	-	-	-	-	-	-	Wollenberg & others, 1975
Remarks: U < 16 ppb; W = 29 ppb; Mo < 1 ppb; Sb = 64 ppb; Ba = 148 ppb.																				
south spring west of main hot spring	77	-	-	-	-	-	-	76	-	-	-	-	19	-	-	-	-	-	-	Wollenberg & others, 1975
Remarks: U = 1.1 ppb; W = 6.8 ppb; Mo = 14 ppb; Sb < 0.6 ppb; Ba = 11 ppb.																				
[152] Mound Springs CS7,T28N,R44E	110	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 79
Remarks: Calcareous sinter over 0.5 square mile area.																				
[153] Hot Springs Ranch area																				
spring NE¼S23,T27N,R43E	127	-	1973	40	-	20	9	118	21	333	-	64	21	-	-	-	-	700	8.0	Mariner & others, 1974
Remarks: In Valley of the Moon.																				
spring CS¼S23,T27N,R43E	124	450	-	41	tr	65	10	-	121	447	0	63	24	-	0	-	559	-	-	Waring, 1965, No. 80
spring SW¼NE¼S23,T27N,R43E	124	450	1950	39	0.02	52	7.3	116	20	428	-	62	21	3.9	0.8	0.6	519	825	7.9	Crosthwaite, 1963
Remarks: Six springs shown.																				
spring S26,T27N,R43E	129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Hose & Taylor, 1974
spring NE¼S26,T27N,R43E	122	50	-	55	tr	64	tr	-	154	468	0	74	23	-	0	-	627	-	-	Waring, 1965, No. 81
spring	-	-	-	-	-	66	3.9	121	-	447	-	63	24	-	-	-	-	1043	-	Miller & others, 1953, p. 44-45
[154] Chillis Hot Springs S27,T27N,R46E	102	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Zones, 1961b, p. 22; Waring, 1965, No. 82
spring NW¼S28,T27N,R46E	72	-	12Jul65	-	-	141	61	-	292	540	0	315	332	-	-	-	-	2330	7.8	Everett & Rush, 1966
Remarks: Probably at Carico Lake Ranch.																				
[155] spring NE¼S15,T26N,R45E	72	-	12Jul65	-	-	54	18	-	111	396	0	95	18	-	-	-	-	806	7.9	Everett & Rush, 1966
[156] James Lister well S27,T24N,R43E	102	-	1918?	41	tr	64	tr	-	280	793	0	74	34	-	0	-	905	-	-	Waring, 1919
Remarks: This is a non-flowing artesian well. Depth - 15 ft. Water used for bathing.																				
[157] spring SW¼SW¼S15,T24N,R47E	hot	small	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 92
Remarks: Several springs. Water supply for cattle. Near Hot Springs Point.																				
[158] Little Hot Springs NE¼S2,T23N,R47E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Walti Hot Springs 15-minute sheet
Remarks: 3.5 mi west of Walti Hot Springs, Eureka County.																				
[159] Northern Smith Creek Valley																				
Peterson's Mill Hot Spring NW¼NW¼S36,T20N,R40E	hot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mount Airy 7½-minute quad
well NW¼S36,T20N,R40E	85	-	30Mar64	-	-	42	20	-	-	180	8	74	19	-	-	-	-	477	8.4	Everett & Rush, 1964
[160] Southern Smith Creek Valley																				
spring S27(?),T18N,R39E	warm	small	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 84
Remarks: Six mi north of Smith Creek Valley Hot Springs.																				
spring S11,T17N,R39E	187	20	1973	110	-	4.8	0.06	170	8.4	246	5	102	22	8.9	-	0.66	-	737	7.7	Mariner & others, 1974
Remarks: Li = 0.38.																				
spring W¼S26 & NW¼ S25,T17N,R39E	~boiling	~123	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Everett & Rush, 1964
Remarks: About 20 hot springs; discharge from each is small, but water is near boiling; the springs appear to be associated with recent faults which cut the younger alluvium.																				
spring S25,T17N,R40E	hot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 85
Remarks: No spring shown on Iron Mountain 7½-minute quad; possibly in S25,T17N,R39E.																				
[161] well SW¼S8,T18N,R47E	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Rush & Everett, 1964
Monitor well NE¼S20,T18N,R47E	71	-	14Apr64	-	-	62	12	36	-	160	0	88	43	-	-	-	-	579	7.8	Rush & Everett, 1964
[162] Spencer Hot Springs																				
Spencer (Spencer's) Hot Spring SE¼S13,T17N,R45E	144	6	16Sep13	34	0.2	57	18	-	197	646	12	52	28	-	0	-	802	-	-	Meinzer, 1917; Waring, 1965, No. 86

Identification number, name, location	Temp. (F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
LANDER COUNTY (continued)																				
well SE¼SE¼SE¼ S13,T17N,R45E	144	flowing	1966	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Fiero, 1968
well NE¼SE¼S11,T17N,R45E	164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Rush & Schroer, 1970
Marie Streshly well SE¼S13,T17N,R45E	110	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Rush & Schroer, 1970
spring SE¼S13,T17N,R45E	162	13	1973	77	-	43	9.4	200	36	672	<1	51	22	4.7	-	2.6	-	1180	6.5	Mariner & others, 1974
spring SE¼S13,T17N,R45E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mariner & others, 1975
Spencer Hot Spring SE¼SE¼SE¼ S13,T17N,R45E	boiling	-	17Sep73	79	0.13	51	10.2	198	34	684	0	47	26	5.2	<0.1	-	800	1161	7.4	Sanders & Miles, 1974
well SE¼S14,T17N,R45½E	117	flowing	1966	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Fiero, 1968
[163] well NW¼S24,T16N,R44E	84	6	1948	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Fiero, 1968
[164] springs SE¼S14,T16N,R45E	hot	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 87
LINCOLN COUNTY																				
[165] Geyser Ranch Springs area springs S1,12,13,23,T9N,R65E	65-70	4500	4Aug63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Rush & Eakin, 1963
Geyser Spring T9N,R65E	68	-	1963	13	-	30	3.4	3.0	1.0	103	0	5.0	3.0	0	0.6	0	115	181	8.0	Rush & Eakin, 1963
springs	65-70	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 142
[166] Hammond Ranch spring S17,T5N,R69E	84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Carpenter, 1951; Waring, 1965, No. 143
[167] Flatnose Ranch spring SE¼S34,T1N,R69E	77	400	Dec1946	20	-	30	10	-	42	162	0	44	20	-	-	-	247	-	-	Phoenix, 1948
spring S34,T1N,R69E	70	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 144B
[168] Delmue's Springs two springs NE¼NW¼SE¼ S13,T1S,R68E	70	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Hardman & Miller, 1948; Waring, 1965, No. 144A
[169] Bennett's (Bennett) Spring spring SW¼S7,T2S,R66E	70	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Hardman & Miller, 1948; Waring, 1965, No. 144
[170] Panaca (Owl) Warm Springs Kenneth D. Lee south well SE¼S32,T1S,R68E	warm	-	1954	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Eakin, 1964
C. Kenneth Lee south well SE¼S33,T1S,R68E	76	-	1952	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Rush, 1964
spring CN¼S4,T2S,R68E	85	4880	15Apr63	51	0	31	9.8	38	6.8	189	-	29	15	1.6	2.6	0.1	271	401	8.1	Rush, 1964
springs S4,T2S,R68E	85-88	2500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 145
spring CN¼S4,T2S,R68E	87	3600	-	40	-	54	15	-	21	149	34	31	25	-	-	-	273	-	-	Phoenix, 1948

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (µmhos/cm)	pH	Reference
LINCOLN COUNTY (continued)																				
spring CN½S4,T2S,R68E	-	-	-	30	-	48	15	18	183	0	41	20	-	-	-	-	278	-	-	Phoenix, 1948
spring CN½S4,T2S,R68E	85-89	1800	5Oct12	46	0.3	40	23	2.1	178	0	27	18	-	0	-	-	283	-	-	Carpenter, 1915
spring CN½S4,T2S,R68E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mifflin, 1968
Lester Mathews well SW¼S5,T2S,R68E	78	-	1949	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Rush, 1964
Panaca LDS Church well NE¼S7,T2S,R68E	74	-	Dec63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Rush, 1964
Delmue Bros. north well SW¼S8,T2S,R68E	75	-	4Dec63	-	-	61	31	-	308	-	-	63	-	-	-	-	-	-	7.8	Rush, 1964
Pioche LDS Church well NW¼S8,T2S,R68E	warm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Rush, 1964
[171] Sand Springs Valley																				
Sand Spring NE¼SE¼SE¼ S26,T2S,R55E	86	0.2	5Oct75	-	-	36	22	-	67	357	0	25	5	-	-	-	-	609	8.0	Van Denburgh & Rush, 1974
N. J. Gunderson well SE¼SE¼S19,T3S,R55E	83	-	1963	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Van Denburgh & Rush, 1974
G. C. Englemann well NW¼SW¼S5,T4S,R55E	warm	-	1966	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Van Denburgh & Rush, 1974
G. C. Englemann well NW¼NW¼S8,T4S,R55E	warm	-	1966	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Van Denburgh & Rush, 1974
[172] Hiko Spring																				
spring NE¼NW¼SE¼ S14,T4S,R60E	90	5380	15Nov12	35	0	52	24	22	272	0	36	11	-	0.8	-	-	315	-	-	Carpenter, 1915
spring NE¼NW¼SE¼ S14,T4S,R60E	80	2400	1966	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mifflin, 1968
spring S22,T4S,R60E	90	4000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 147
spring T4S,R60E	80	2950	10Mar62	33	-	44	23	29	7.2	260	0	36	11	0.5	1.2	0.1	-	494	8.0	Eakin, 1963b
springs T4S,R60E	-	-	25Feb44	-	-	45	26	17	-	268	-	24	8.9	-	-	-	-	-	-	Eakin, 1963b
spring T4S,R60E	-	-	4Jun44	-	-	48	23.2	29.9	-	281	0	35.5	10.5	-	-	0.21	-	-	-	Eakin, 1963b
spring T4S,R60E	-	-	-	-	-	52.1	23.9	22.0	-	285	-	36.1	11.0	-	-	-	-	-	-	Eakin, 1966
[173] Caliente Hot Springs																				
springs SW¼S5,T4S,R67E	112	0	-	126	-	33	7	84	278	0	4.5	12	-	4	-	-	430	-	-	Phoenix, 1948a; Waring, 1965, No. 146
Wallis Health well NW¼S8,T4S,R67E	145	-	4Feb74	88	.01	41	4.4	40	11	205	0	33	7	1.57	5.6	-	333	437	7.8	Sanders & Miles, 1974
Caliente Public Utility No. 4 well SW¼S5,T4S,R67E	104	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Rush, 1964
City of Caliente North well NE¼S7,T4S,R67E	107	-	-	84	-	29	10	70	232	7	26	20	-	-	-	-	352	-	-	Phoenix, 1948
Caliente Mineral Spring NE¼S8,T4S,R67E	118	-	4Feb74	91	<0.01	43	6.2	46	15	239	0	42.1	12	1.63	4.8	-	380	518	8.2	Sanders & Miles, 1974
Remarks: Li = 0.18, NH ₄ <0.2, PO ₄ = 0.2, Be <0.005, Cu <0.02, Pb <0.02, Mn = 0.02, Sr = 0.09, Zn = 1.42, Ni = 0.02, Cd = 0.009, Cr <0.02, Ag <0.2, As = 0.1 µg/l, Ba <0.04, Bi <0.1, Cs = .40, Hg <0.5 µg/l, Pb <0.02, Rb = .054, Sb <0.1, Se <1.0 µg/l, Sn <0.05.																				

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference	
LINCOLN COUNTY (continued)																					
well NE¼S8,T4S,R67E	135	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Smith, 1958, p. 32	
Remarks: Near springs.																					
[174] Crystal Springs	81	—	15Apr63	31	—	45.0	23.6	23.0	5.1	262	0	26.9	8.2	0.6	1.2	0.7	277	—	8.0	Eakin, 1963b	
spring CNE¼S10,T5S,R60E	90	9000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 148	
spring S10,T5S,R60E	82	4480	10Mar62	31	—	46.2	22.2	23.9	5.5	242	0	34.0	9.9	2.9	0.6	0.04	—	—	7.2	Eakin, 1963b	
spring CNE¼S10,T5S,R60E	—	—	4Jun44	—	—	46	23.9	25.3	—	268	0	34	8.9	—	—	0.05	—	488	—	Eakin, 1963b	
spring S10,T5S,R60E	—	—	25Apr44	—	—	44	24.3	16.4	—	256	0	22.1	8.9	—	—	—	—	491	—	Eakin, 1963b	
spring S10,T5S,R60E	—	—	16Nov12	—	—	53.0	23.0	19.1	—	261	—	37	11	—	—	—	—	577	—	Eakin, 1963b	
spring S10,T5S,R60E	—	—	11Mar35	—	—	55	23.0	37	—	26.4	—	13	7.0	—	—	—	—	671	—	Eakin, 1963b	
spring S10,T5S,R60E	82	5300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mifflin, 1968	
spring CNE¼S10,T5S,R60E	81	—	15Apr63	28	0	45	23	23	5.2	272	—	27	8	0.5	1.1	0.2	295	484	8.4	Cohen, 1966	
spring S10,T5S,R60E	90	2680	16Nov12	26	—	53	23	19	—	261	0	37	11	—	—	—	306	—	—	Hardman & Miller, 1934	
spring S10,T5S,R60E	97	9000	4Feb74	29	0.01	56	14	31	5.6	266	0	34.1	21	8.7	0.7	—	332	497	7.6	Sanders & Miles, 1974	
Little Ash Spring SE¼S36,T5S,R60E Remarks: Li = 0.061, NH ₄ <0.2, As = 0.002 μg/l, Ba = 0.32, Cu <0.02, Pb <0.02, Mn = 0.01, Sr = 0.32, Zn = 2.0, Ni = 0.02, Cd = 0.005, Cr <0.02, PO ₄ <0.1, Ag <0.02, As = 2.4 μg/l, Be <0.005, Bi <0.1, Cs = 0.40, Hg = 0.5 μg/l, Sn <0.05, Rb = .030, Sb <0.1, Se <1.0 μg/l.																					
spring S36,T5S,R60E	—	—	25Apr44	—	—	45.0	18.1	20.9	—	256	0	43.8	10.5	—	—	0.37	—	480	—	Eakin, 1963b	
spring S36,T5S,R60E	—	—	11Mar35	—	—	53.6	10.0	47.2	—	264	—	40.7	13.6	—	—	—	—	—	—	6.4	Eakin, 1963b
spring T5S,R60E	90	—	16Nov12	34	—	49	13	59	—	259	0	46	11	—	—	—	303	—	—	Hardman & Miller, 1934	
springs NW¼NW¼NW¼ S6,T6S,R61E	88	8690	9Mar62	31	—	39	18	32	6.8	231	0	34	9.7	0.5	1.3	0.1	286	443	8.1	Eakin, 1963b	
spring NW¼NW¼NW¼ S6,T6S,R61E	90-97	9000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 149	
springs NW¼NW¼S6,T6S,R61E	90	7630	23May66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mifflin, 1968	
Remarks: (epm) Na + K = 1.51, Ca + Mg = 3.08, Cl + SO ₄ = 1.05.																					
warm spring S18,T6S,R61E	72	1.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Remarks: Three miles south southeast of main Ash Springs.																					
[176] Ash Creek Spring NW¼NE¼S1,T12S,R58E	72	1.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
LYON COUNTY																					
[177] Hazen area (Patua Hot Springs)	warm	—	21Feb30	—	—	55	0	550	—	67	—	41	865	—	—	—	—	—	—	—	
springs (4) S18,T20N,R26E	270	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Magma Power Co. Hazen No. 1 well SW¼S18(?),T20N,R26E Remarks: Geothermal well; depth — 750 ft.																					
spring SW¼S18,T20N,R26E	187	—	—	150	0.02	70	1.5	620	38	100	—	400	820	4.2	—	5.6	—	3530	7.1	Mariner & others, 1975	
Remarks: Li = 1.6, Al = 0.004, Rb = 0.23, Ce = 0.2, Mn = 0.06, Cu = 0.01, Hg = 0.0001, δD(‰) = -121.5, δO ¹⁸ (‰) = -13.30. Gas (volume %): O ₂ + Ar = 11, N ₂ = 81, CH ₄ = 2, CO ₂ = 6.																					

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference		
LYON COUNTY (continued)																						
Magma Power Co. Hazen No. 1(?) well S18(?),T20N,R26E	275+	—	1962	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Remarks: Geothermal well.																						
[178] Sutro Tunnel NE¼NE¼SE¼ S2,T16N,R21E	81	—	16Apr59	34	3.3	267	53	67	4.6	312	0	732	8.2	0.6	0	0.03	1320	1650	7.6	B. C. McCabe, written communication Glancy & Katzer, 1975		
Remarks: Mn = 1.2; PO ₄ = 0.00.																						
Sutro Tunnel NE¼NE¼SE¼ S2,T16N,R21E	83	22-50	1Jun70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Remarks: Water drains from the Comstock mining district, Storey County.																						
[179] well SE¼SW¼NE¼ S12,T16N,R21E	95	—	11Jul72	—	—	120	0	—	170	49	0	570	30	—	—	—	—	1280	7.8	Glancy & Katzer, 1975		
Remarks: Depth - 265 ft.																						
well NW¼SE¼NW¼ S7 T16N,R22E	80	—	6Oct67	—	0.13	102	1	—	42	149	0	192	21	—	0	—	—	583	—	7.7	Glancy & Katzer, 1975	
Remarks: Depth - 100 ft.																						
[181] Wabuska-Hot Springs	138-162	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Remarks: Waring, 1965, No. 62																						
Magma Power Co. Wabuska No. 1-C well	—	—	—	—	0.02	38	0	—	384	61	10	760	507?	9.3	—	—	—	—	1279	—	unpub. analysis, Nev. Div. of Health	
Remarks: Geothermal well; As = 0.05, Cu = 0.06.																						
Magma Power Co. Wabuska No. 2 well	—	—	—	—	0.02	38	75	—	379	66	12	740	50	9.2	—	—	—	—	1231	—	8.8	unpub. analysis, Nev. Div. of Health
Remarks: Geothermal well; As = 0.045, Cu = 0.02.																						
Magma Power Co. Wabuska No. 3 well NW¼SE¼S15,T15N,R25E	222	25	15Oct59	100	0.01	37	8.7	276	12	80	—	566	45	7.6	0	1.0	1090	1490	8.0	Huxel, 1969		
Remarks: Geothermal well; depth - 2223 ft; flowing.																						
Magma Power Co. Wabuska No. 3 well	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1330	—	Dennis Trexler, written communication, 1974	
Remarks: Geothermal well																						
Magma Power Co. Wabuska No. 3 well NW¼SE¼SE¼ S16,T15N,R25E	227	—	—	—	0.02	370	—	—	—	73	6	760	52	9.3	—	—	—	—	1279	—	unpub. analysis, Nev. Div. of Health	
Remarks: Geothermal well; depth - 2223 ft. As = 0.05, Cu = 0.03.																						
Magma Power Co. well NW¼SW¼S15,T15N,R25E	207	400	15Oct59	109	0.06	40	1.0	313	13	52	12	642	49	8.2	0	1.0	1210	1630	8.6	Huxel, 1969		
Wabuska well NW¼SW¼S15,T15N,R25E	boiling	—	10Mar74	100	.41	46	.10	332	13.8	49	12	658	54	9.21	<0.1	—	1250	1656	8.6	Sanders & Miles, 1974		
Remarks: PO ₄ = 0.2, NH ₄ = 0.5, Ag <0.02, As = 1.1 μg/l, Ba = .14, Be = .007, Bi <0.1, Cd <0.01, Cr <0.02, Cs = 1.16, Cu <0.01, Hg <0.5 μg/l, Li = 0.302, Mn = 0.044, Ni = .08, Pb = 0.07, Rb = 0.152, Sb <0.1, Se <1.0 μg/l, Sn = 0.05, Sr = 0.250, Zn = 1.03.																						
Magma Power Co. well SE¼SE¼S16,T15N,R25E	207	400	15Oct59	99	0.02	39	0	291	12	68	2	596	46	7.7	0	1.0	1130	1580	8.3	Huxel, 1969		
Magma Power Co. well SE¼S16,T15N,R25E	207	—	1973	115	—	38	0.2	277	15	70	—	580	46	—	—	—	—	—	1550	8.5	Mariner & others, 1974	
spring SE¼S16,T15N,R25E	201	—	—	110	—	39	0.1	300	14	74	—	620	55	8.2	—	10	—	—	1610	8.1	Mariner & others, 1975	
Remarks: Al = 0.017, Rb = 0.09.																						
well NW¼NE¼S14,T15N,R25E	86	25	17Feb66	—	—	39	1.6	—	273	72	—	552	45	—	—	—	—	—	1480	7.9	Huxel, 1969	
Remarks: Depth - 145 ft, flowing.																						
well NE¼SW¼S21,T15N,R25E	84	200	16Feb66	—	—	4.6	0.6	—	124	187	8	80	24	—	—	—	—	—	560	8.6	Huxel, 1969	
Remarks: Depth - 400 ft.																						
well SE¼NE¼S28,T15N,R25E	86	15	1966	—	—	7.2	1.7	—	129	159	—	128	29	—	—	—	—	—	652	8.2	Huxel, 1969	
Remarks: Depth - 1000 ft, flowing; well drilled in 1890's.																						
[182] well NE¼NE¼NW¼ S1,T14N,R25E	70	—	2Aug66	—	0.05	5	1	—	91	84	—	110	23	—	—	—	—	—	333	—	7.9	CWRR, 1973
Remarks: Depth - 364 ft; 4 mi southeast of Wabuska.																						
[183] Artesia Lake area	82	—	6Apr55	36	0.03	2.0	0.2	69	3.4	146	4	23	6.2	1.0	0.2	—	—	—	305	8.5	Scott & Barker, 1962	
Remarks: Depth - 540 ft; Al = 0, Mn = 0, PO ₄ = 0.6, H ₂ S = present, Ra = 2.5 μg/l, U = 0.5 μg/l; well may penetrate volcanic rocks at depth.																						

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
LYON COUNTY (continued)																				
Ambassador well NW¼SW¼S25,T13N,R23E	82	400	13Jun50	86	-	-	-	-	71	162	0	22	7	1.0	0.2	0.16	-	307	-	Loeltz & Eakin, 1953
			Remarks: Depth - 540 ft; flowing.																	Loeltz & Eakin, 1953
well SW¼SE¼S27,T13N,R23E	70	12	24May50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Loeltz & Eakin, 1953
			Remarks: Depth - 230 ft, flowing.																	Loeltz & Eakin, 1953
well SE¼SE¼S27,T13N,R23E	73	10	24May50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Loeltz & Eakin, 1953
			Remarks: Depth - 170 ft; flowing.																	Loeltz & Eakin, 1953
well SE¼SE¼S27,T13N,R23E	76	26	24May50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Moore, 1969
			Remarks: Depth - 155 ft, flowing.																	Moore, 1969
spring NE¼S34,T13N,R23E	warm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Moore, 1969
spring SW¼S34,T13N,R23E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Loeltz & Eakin, 1953
well SW¼NW¼S10,T12N,R23E	70	0.8	21Oct48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Loeltz & Eakin, 1953
			Remarks: Depth - 59 ft.																	Loeltz & Eakin, 1953
[184] Hind's (Nevada) Hot Springs	144	550	-	61	-	-	-	-	103	0	28	145	18	2.7	0	0.04	-	495	-	Loeltz & Eakin, 1953
springs SW¼S16 & NW¼ S21,T12N,R23E	142	53	1973	52	-	4.5	0.01	102	2.5	54	7	169	17	3.1	-	0.19	-	509	8.7	Mariner & others, 1974
			Remarks: Li = 0.08.																	Waring, 1965, No. 61
spring SE¼S16,T12N,R23E	60-143	550	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Miller, Hardman & Mason, 1953
springs SW¼S16,T12N,R23E	-	-	16Apr32	-	-	-	-	125	-	56	-	192	18	-	-	-	-	-	-	Miller, Hardman & Mason, 1953
springs SW¼S16,T12N,R23E	-	-	16Apr32	-	-	tr	-	96	-	105	-	90	21	-	-	-	-	-	-	Miller, Hardman & Mason, 1953
springs SW¼S16,T12N,R23E	-	-	15Jun50	-	-	5	-	101	-	2	27	145	18	-	-	0.2	-	-	-	Miller, Hardman & Mason, 1953
springs SW¼S16,T12N,R23E	-	-	24Aug73	-	-	-	-	-	-	-	-	-	-	-	-	-	1286	-	-	Dennis Trexler, written communication, 1974
spring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Moore, 1969
spring CN¼S21,T12N,R23E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Miller, Hardman & Mason, 1953
			Remarks: Just south of Hind's Hot Springs.																	Miller, Hardman & Mason, 1953
spring NE¼SE¼S28,T12N,R23E	-	-	26Mar46	-	-	55	8	62	-	167	6	0	12	-	-	-	-	-	-	Miller, Hardman & Mason, 1953
spring NE¼SW¼S28,T12N,R23E	-	-	26Mar46	-	-	79	21	76	-	227	15	0	32	-	-	-	-	-	-	Yerington 15-minute quad
[185] spring CW¼S34,T12N,R25E	hot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Alvin McLane, personal communication
[186] Wilson Hot Springs	warm	0	1969	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Alvin McLane, personal communication
springs SE¼SW¼S34,T11N,R25E																				Loeltz & Eakin, 1953
[187] Wellington area	117	-	2Feb42	62	-	-	-	-	115	41	22	157	28	3.5	0.4	1.0	-	581	-	Loeltz & Eakin, 1953
well NW¼SE¼S2,T10N,R23E			Remarks: Depth - 200 ft; static temperature 117°F; 143°F? reportedly observed when pumping; water used for public swimming pool.																	Loeltz & Eakin, 1953
well NW¼SE¼S2,T10N,R23E	warm	-	19Mar37	55	-	108	28	38	-	293	0	175	32	-	-	-	-	-	-	Loeltz & Eakin, 1953
			Remarks: Depth - 65 ft; Fe + Al = tr.																	Loeltz & Eakin, 1953
well SE¼SE¼S2,T10N,R23E	hot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Loeltz & Eakin, 1953
			Remarks: Depth - 217 ft.																	Loeltz & Eakin, 1953
well SE¼SE¼S2,T10N,R23E	warm	-	Dec47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Loeltz & Eakin, 1953
			Remarks: Depth - 40 ft.																	Loeltz & Eakin, 1953
well NE¼NE¼S11,T10N,R23E	warm	-	2Feb42	63	-	61	17	-	65	281	0	109	13	-	-	-	-	450	-	Loeltz & Eakin, 1953
			Remarks: Depth - 163 ft. Al + Fe = tr.																	Loeltz & Eakin, 1953
well NE¼NW¼S12,T10N,R23E	warm	-	Jul35	49	-	33	10	-	36	-	0	41	29	-	-	-	-	350	-	Loeltz & Eakin, 1953
			Remarks: Depth - 82 ft; Fe + Al = tr.																	Loeltz & Eakin, 1953
well NW¼NW¼S12,T10N,R23E	warm	-	27Dec49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Loeltz & Eakin, 1953
			Remarks: Depth - 65 ft.																	Loeltz & Eakin, 1953

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
LYON COUNTY (continued)																				
[188] springs SW¼SE¼S4,T7N,R27E	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Davis, 1954; Waring, 1965, No. 109
MINERAL COUNTY																				
[189] Double Spring spring S25,T13N,R29E	warm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 108
[190] Dead Horse Wells well? S21,T12N,R32E	hot	-	5Jul51	-	-	48	13	70	-	88	10	190	43	-	-	-	-	-	-	Miller, Hardman & Mason, 1953
[191] Wedell Springs spring (no. 1) SW¼S7,T12N,R34E	129-144	60	18Feb34	-	-	16	0	262	-	210	-	315	78	-	-	1.6	-	1290	-	Eakin, 1962c
Remarks: There are 2 main springs; water used locally.																				
spring (no. 2) SW¼S7,T12N,R34E	144	60	20Sep35	-	-	50	13	216	-	220	-	254	94	-	-	-	-	1370	-	Eakin, 1962c; Waring, 1965, No. 113
[192] Hawthorne area Naval Ammunition Depot well No. 1 NE¼NE¼S18,T8N,R30E	124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	unpublished data, U. S. Navy
Naval Ammunition Depot well No. 5 SW¼SE¼S18,T8N,R30E	114	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	unpublished data, U. S. Navy
Naval Ammunition Depot well No. 2 SE¼S26,T8N,R30E	75	-	15Feb66	-	-	78	14	205	129	0	436	98	-	-	-	-	-	1380	8.0	Everett & Rush, 1967
Remarks: 69°F according to U. S. Navy data.																				
Naval Ammunition Depot well No. 2 SE¼S26,T8N,R30E	-	-	11Dec52	59	0.07	88	11	214	8.8	134	0	455	98	1.5	0.3	2.1	1000	1430	7.7	Everett & Rush, 1967
Remarks: Depth - 423 ft.																				
City of Hawthorne well SW¼S27,T8N,R30E	80	-	1May57	25	0.01	82	14	148	6.4	82	0	403	79	0.7	0.2	-	810	1180	7.4	Scott & Barker, 1962
Remarks: Depth - 602 ft; Al = 0.1, Mn = 0, PO ₄ = 0; Ra < 0.1 μuc/l, U = 1.8 μg/l.																				
City of Hawthorne well SW¼S27,T8N,R30E	100	-	1976?	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	unpublished data, U. S. Navy
well S33,T8N,R30E	91	-	18Feb72	-	0.1	91	17	75	137	-	307	19	0.55	1.5	-	-	620	-	7.8	CWRR, 1973
Naval Ammunition Depot well No. 3 NW¼S32,T8N,R31E	100	-	15Feb66	-	-	33	10	224	100	0	372	101	-	-	-	-	-	1340	7.9	Everett & Rush, 1967
Remarks: Depth - 452 ft; 93°F according to U. S. Navy data.																				
Naval Ammunition Depot well No. 3 NW¼S32,T8N,R31E	-	-	11Dec52	25	0.01	82	14	148	6.4	82	0	403	79	0.7	0.2	-	810	1180	7.4	Everett & Rush, 1967
Remarks: Depth - 452 ft.																				
Naval Ammunition Depot well No. 4 NE¼SW¼S2,T7N,R30E	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	unpublished data, U. S. Navy
[193] Sodaville (Soda) Springs area spring SE¼S29,T6N,R35E	95	26	1973	46	-	40	3.3	305	16	112	<1	597	87	7.4	-	2.3	-	1640	7.6	Mariner & others, 1974
Remarks: Li = 0.65, Rb = 0.08, Ce = 0.1, Fe = 0.07, Mn = 0.08, δD(‰) = 130.3, δO ¹⁸ (‰) = -16.13.																				
springs (south group) SW¼SW¼SE¼ S29,T6N,R35E	86	50	25May68	-	-	44	3	-	303	119	0	561	70	-	-	-	-	1900	8.0	Van Denburgh & Glancy, 1970
springs S¼S29,T6N,R35E	80-101	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 110
[194] U. S. Bureau of Land Management well NE¼S19,T5N,R31E	110	-	8Dec52	37	-	6.0	0.9	116	47	9	109	64	4.8	0.1	-	-	370	575	-	Everett & Rush, 1967
Remarks: Depth - 345 ft.																				
[195] U. S. Bureau of Land Management No. 2 well NE¼SW¼S7,T3N,R31E	78	-	20May68	-	-	26	8	-	27	144	0	23	11	-	-	-	-	360	7.7	Van Denburgh & Glancy, 1970
Remarks: Depth - 64 ft; used to water stock; water level 20.8 ft below casing top.																				

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
MINERAL COUNTY (continued)																				
[196] well S32,T2N,R33E	113	-	7Jun60	-	0.02	46	16	-	67	150	-	81	59	-	42	-	316	-	8.0	CWRR, 1973
NYE COUNTY																				
[197] McLeod's Ranch Spring NE¼SW¼S34,T14N,R43E	hot	small	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Fiero, 1968; Waring, 1965, No. 114
[198] Charnock (Big Blue) Springs S16,T13N,R44E	80	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 116
Charnock (Big Blue) Springs S16,T13N,R44E	-	450	1913	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Meinzer, 1917
[199] Big Blue ("A") Spring NW¼SE¼S29,T13N,R44E	79	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Fiero, 1968
[200] Diana's Punch Bowl--Pott's Ranch area																				Waring, 1965, No. 119
spring SW¼NW¼S1,T14N,R47E	warm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks: Several springs; water used locally.																				
Pott's Ranch Spring SE¼NE¼S2,T14N,R47E	-	450	15Apr64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Lamke & Moore, 1965
Pott's Ranch Hot Spring NE¼S2,T14N,R47E	113	33	1973	36	-	52	11	47	13	249	<1	57	10	2.0	-	0.17	-	561	6.6	Mariner & others, 1974
Remarks: Li = 0.3.																				
spring NE¼S2,T14N,R47E	-	450	15Apr64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mariner & others, 1975
Remarks: N = 0.25, P = 0.01, As = 0.01, Br = 0.05, I = 0.006, Rb = 0.06, Sr = 0.90, Mn = 0.02, Cu = 0.01, Hg < 0.0001, δD(‰) = -127.5, δO ¹⁸ (‰) = -16.28.																				
Gas (volume %): O ₂ + Ar = 4, N ₂ = 93, CH ₄ < 1, CO ₂ = 5.																				
spring SE¼SE¼NE¼ S2,T14N,R47E	-	450	15Apr64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Fiero, 1968
spring SE¼S22,T14N,R47E	138	-	1973	46	-	50	11	55	15	277	<1	59	8	2.8	-	0.21	-	605	7.1	Mariner & others, 1974
Remarks: Li = 0.4. Sample probably from pool in Diana's Punch Bowl.																				
spring SE¼S22,T14N,R47E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mariner & others, 1975
Remarks: P = < 0.01, As = 0.01, Br = 0.04, I = 0.02, Rb = 0.07, Sr = 1.0, Cu = 0.05, Hg = < 0.0001, δD(‰) = -124.9, δO ¹⁸ (‰) = -16.24.																				
spring SE¼S22,T14N,R47E	124	53	1973	46	-	47	11	57	15	270	<1	59	8	2.8	-	0.23	-	589	6.7	Mariner & others, 1974
Remarks: Li = 0.4. Sample probably from spring just southwest of Diana's Punch Bowl.																				
Diana's (Devil's) Punch Bowl SW¼SE¼S22,T14N,R47E	hot	900	15Apr64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Lamke & Moore, 1965; Waring, 1965, No. 120
Remarks: Diana's Punch Bowl 15-minute quad																				
spring NW¼NE¼S22,T14N,R47E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Fiero, 1968
Diana's (Devil's) Punch Bowl SW¼SW¼S22,T14N,R47E	134	202	18Dec66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Lamke & Moore, 1965
Diana's (Devil's) Punch Bowl SW¼SW¼SE¼ S22,T14N,R47E	-	900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
[201] Gabbs area																				Eakin, 1962b
well NW¼S28,T13N,R36E	129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks: Depth - 296 ft.																				
well NW¼S22,T12N,R36E	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Eakin, 1962b
Remarks: Depth - 285 ft.																				
well NW¼S27,T12N,R36E	98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Eakin, 1962b
Remarks: Depth - 254 ft.																				
well NW¼S27,T12N,R36E	118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Eakin, 1962b
Remarks: Depth - 215 ft.																				
well NW¼S27,T12N,R36E	135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Eakin, 1962b
Remarks: Depth - 457 ft.																				
well SE¼S28,T12N,R36E	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Eakin, 1962b
Remarks: Depth - 625 ft.																				

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
NYE COUNTY (continued)																				
well SE¼S28,T12N,R36E	155	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Remarks: Depth - 325 ft.																		
well SE¼S28,T12N,R36E	145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Remarks: Depth - 250 ft.																		
well SE¼S33,T12N,R36E	125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Remarks: Depth - 200 ft.																		
[202] Duckwater																				
Big Warm Spring SW¼NE¼NW¼ S32,T13N,R56E	91	5828	16Apr63	-	-	62	22	28	6.5	321	0	47	7	0.6	0.0	-	358	587	-	Van Denburgh & Rush, 1974
Big Warm Spring SE¼NW¼S32,T13N,R56E	90	6300	1912	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Remarks: (epm) Na + K = 2.96; Ca + Mg = 3.54; Cl + SO ₄ = 2.02; tritium ≤ 7 T. U.																		
Big Warm Spring NW¼SE¼NW¼ S32,T13N,R56E	90	7284	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Remarks: (epm) Na + K = 1.42; Ca + Mg = 4.80; Cl + SO ₄ = 1.26; tritium ≤ 7 T. U.																		
Big Warm (Duckwater) Spring NE¼NW¼S32,T13N,R56E	warm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Big Warm (Duckwater) Springs NE¼NW¼S32,T13N,R56E	-	6290	1916	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
spring NW¼SE¼NW¼ S32,T13N,R56E	93	-	21Jun67	25	0.06	62	22	28	6.5	321	0	47	8.6	0.6	<0.10	0.12	380	587	8.0	unpublished data, USGS
Little Warm Spring NW¼NE¼S5,T12N,R56E	90	300	12Nov66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Remarks: (epm) Na + K = 1.42; Ca + Mg = 4.80; Cl + SO ₄ = 1.26; tritium ≤ 7 T. U.																		
Little Warm Spring CN¼S5,T12N,R56E	warm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Little Warm Spring NW¼NE¼S5,T12N,R56E	90	300	12Nov66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
spring NW¼NE¼S5,T12N,R56E	90	-	7Aug67	34	0.02	57	25	40	7.3	240	0	27	81	0.4	<0.10	0.11	380	535	8.2	unpublished data, USGS
[203] spring SE¼SE¼S24,T12N,R46E	hot	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Remarks: Tufa mound; infrared imagery indicates shallow thermal ground water.																		
[204] Darrough's Hot Springs area																				
spring S7,T11N,R43E	180-200	450	31Jan57	105	0.05	1.2	0	104	2.4	112	24	40	12	15	0	0.27	367	472	8.7	Scott & Barker, 1962
spring S7,T11N,R43E	198	150+	30Sep13	88	tr	13	3	80	102	31	60	15	-	0	-	-	382	-	-	Meinzer, 1917
spring SE¼S7,T11N,R43E	180-198	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Fiero, 1968
spring S7,T11N,R43E	207	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Koenig, 1970; Waring, 1965, No. 117, 118?
Darrough Ranch well SE¼S7,T11N,R43E	boiling	1400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Rush & Schroer, 1970
spring S8,T11N,R43E	203	92	1973	98	-	1.3	0.1	110	2.6	146	3	53	12	14	-	0.22	-	479	8.3	Mariner & others, 1974
spring S8,T11N,R43E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mariner & others, 1975
Darrough Ranch well SW¼S8,T11N,R43E	hot	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Rush & Schroer, 1970
steam well S8,T11N,R43E	201	79	17Sep73	105	-	1.4	0.1	110	2.9	165	3	55	12	15	-	0.24	-	499	8.3	Mariner & others, 1974
well SW¼SW¼SW¼ S8,T11N,R43E	boiling?	20-30	17Sep73	105	0.06	9	.02	111	2.8	76.3	44	49	15	16	<0.1	-	390	488	9.3	Sanders & Miles, 1974
		Remarks: Li = 0.7, NH ₄ <0.1, PO ₄ = 0.9, As = 0.013 μg/l, Ba <0.01, Be <0.005, Cu <0.004, Pb <0.02, Mn <0.01, Sr = 0.04, Zn = 0.03, Ni <0.02, Cd <0.002, Cr <0.04, Ag <0.04, Bi <0.10, Cd <0.002, Cr <0.04, Cs = .32, Hg = .35 μg/l, Nb <10.0, Rb = .06, Sb <.2, Se <1.0 μg/l, Sn <0.02, Ta <5.0.																		

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
NYE COUNTY (continued)																				
Magma Power Co. (and associates) well SE¼SE¼SE¼ S7,T11N,R43E	265	—	1962	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Koenig, 1970
				Remarks: Depth — 812 ft; very large flow of hot water, minor steam.																
[205] spring on south Mosquito Creel Ranch SE¼NE¼S6,T11N,R47E	95	15	17Mar67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Fiero, 1968
[206] Little Fish Lake Valley Fish Springs NE¼NW¼NE¼ S7,T11N,R49E	warm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 121
				Remarks: Several springs, water used locally.																
Warm Spring SW¼SE¼SE¼ S14,T10N,R49E	108	—	14Oct67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Fiero, 1968
Upper Warm Spring SE¼NE¼SE¼ S14,T10N,R49E	104	27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Fiero, 1968
spring SE¼SE¼S14,T10N,R49E	105	—	3Aug67	21	0.007	40	12	12	4.2	166	0	38	3.7	0.4	0.10	0.065	267	342	8.1	unpublished data. USGS
				Remarks: CO ₂ = 2.1; PO ₄ <0.01; As = 0.04; Ba = 0.16; Mo = 0.006; Sr = 0.22; V = 0.012; Al = 0.008; Li = 0.01; Co, Be, Pb, Ti each <0.002; Cd <0.02; Se <0.01; Mn, Ni, Ag, Zr each <0.000; Cu <0.01 (samples taken 10 May & 22 Jun 67 gave similar results).																
Magma Power Co. (and associates) well SE¼SE¼SE¼ S7,T11N,R43E	214	1145	—	106	—	—	—	—	—	—	—	48	14	—	—	0.2	370	—	—	U. S. Bureau of Reclamation, 1972, table 3
test hole UCE-10 NE¼NE¼SW¼ S22,T10N,R49E	118	—	3Aug67	31	0.15	45	11	17	5.9	158	0	64	5.8	0.4	<0.1	0.045	—	391	7.8	unpublished data. USGS
				Remarks: Depth — 2963 ft. CO ₂ = 4.0; PO ₄ = 0.01; Ba = 0.13; Mn = 0.025; Mo = 0.003; Sr = 0.38; Al = 0.12; Be, Bi, Ni, Ag each <0.000; Co, Pb, Ga, Ti each <0.002; Cd <0.02; V <0.004 (samples taken 10 May 67 gave similar results).																
[207] Railroad Valley well SE¼SE¼NE¼ S34,T9N,R57E	hot	—	1Apr74	—	—	680	0	11000	51	0	1800	17000	—	—	—	—	—	50100	7.2	Van Denburgh & Rush, 1974
				Remarks: Probably Texota Oil Co. Eagle Springs Unit No. 1-34 oil well; 8694 feet deep.																
Lock's (Lockes) Stockyard (Hay Corral) Spring NW¼NW¼S14,T8N,R55E	93-99	2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 126
Lockes Stockyard (Hay Corral) Spring NW¼NW¼S14,T8N,R55E	93	425	12Nov66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mifflin, 1968
				Remarks: (epm) Na + K = 2.55; Ca + Mg = 4.74; Cl + SO ₄ = 1.57; tritium ≤ 7 T. U.																
Lockes Stockyard (Hay Corral) Spring NW¼NW¼S14,T8N,R55E	93	600	7Feb34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Fakin & others, 1951
Lockes North Spring NW¼S14,T8N,R55E	95	—	2Nov65	—	—	63	25	60	380	0	60	12	—	—	—	—	—	694	7.6	Rush & Everett, 1966
Lockes North Spring NE¼NE¼NE¼ S15,T8N,R55E	95	—	2Nov65	—	—	—	—	—	—	—	—	—	12	—	—	—	—	694	—	Van Denburgh & Rush, 1974
				Remarks: (epm) Na + K = 2.45; Ca + Mg = 4.65; Cl + SO ₄ = 1.58; tritium ≤ 8 T. U.																
Lockes Reynolds Spring SE¼NE¼S15,T8N,R55E	97-99	323	12Nov66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Van Denburgh & Rush, 1974
Lockes Reynolds Spring SE¼SE¼NE¼ S15,T8N,R55E	97	331	6Oct71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	684	8.1	Rush & Everett, 1966
Lockes Big Spring SE¼S15,T8N,R55E	95	—	2Nov65	—	—	59	23	68	376	0	63	12	—	—	—	—	—	694	7.5	Van Denburgh & Rush, 1974
Lockes Big Spring NW¼SW¼NE¼ S15,T8N,R55E	100	476	21Jun67	—	—	66	21	52	10	376	0	59	10	1.2	0.0	—	—	—	—	Fiero, 1968
Lockes Big Spring SW¼NE¼S15,T8N,R55E	99	471-582	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mifflin, 1968
Lockes Big Spring SW¼NE¼S15,T8N,R55E	99-101	520	12Nov66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Remarks: (epm) Na + K = 2.43; Ca + Mg = 4.70; Cl + SO ₄ = 1.56; tritium ≤ 8 T. U.

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (µmhos/cm)	pH	Reference
NYE COUNTY (continued)																				
Storm Spring NE¼S11,T6N,R54E	84	—	2Nov65	—	—	106	30	—	138	736	0	57	19	—	—	—	—	1170	7.6	Rush & Everett, 1966
				Remarks: Mixed water from a three spring complex sampled for analysis.																
Stormy Spring NW¼NE¼S12,T6N,R54E	84	4	16Oct67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1100	—	Fiero, 1968
Coyote Hole SW¼SE¼S11,T6N,R54E	113	2	7Aug67	—	—	—	—	—	—	—	—	—	9.8	—	—	—	—	1070	—	Van Denburgh & Rush, 1974
Coyotes Holes W¼S13,T6N,R54E	111	2	16Oct67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Fiero, 1968
Coyote Hole Spring SW¼S11,T6N,R54E	113	—	7Aug67	37	0.1	91	31	123	25	698	0	59	9.8	2.4	<0.1	0.8	700	1070	8.0	unpublished data, USGS
				Remarks: CO ₂ = 11; PO ₄ <0.01; As = 0.000; Ba = 0.002; Bi <0.012; Cd <0.06; Cu = 0.000; Pb <0.006; Mn = 0.03; Sr = 0.85; Zn = 0.015; Al = 0.015; Li = 0.33.																
Abel Spring SE¼NW¼S23,T6N,R54E	115	25	12Sep68	27	0.02	100	26	120	22	673	0	51	15	2.7	0.2	—	696	1100	7.5	Van Denburgh & Rush, 1974
				Remarks: Mn = 0.00, PO ₄ = 0.00.																
Abel Spring NE¼SW¼S24,T6N,R54E	115	—	12Sep68	27	0.002	100	26	120	22	673	0	51	15	2.7	0.2	0.62	732	1100	7.6	unpublished data, USGS
				Remarks: CO ₂ = 27; Cd <0.05; Cu = 0.02; Fe = 0.02; Pb 0.01; Mn = 0.012; Mo = 0.006; Sr = 1; V <0.009; Zn = 0.08; Al = 0.03; Li = 0.3.																
Abel Spring NE¼SW¼S24,T6N,R54E	113	26	16Oct67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1080	—	Fiero, 1968
[208] Morman (Moorman) Spring CN¼SE¼S32,T9N,R61E	100	100	15Sep45	—	—	63	22	—	23	290	0	46	9	—	—	0.2	—	—	—	Miller, Hardman & Mason, 1953; Waring, 1965, No. 134
				Remarks: Water used for irrigation.																
Morman (Moorman) Spring CN¼SE¼S32,T9N,R61E	—	1900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Maxey & Mifflin, 1966
				Remarks: Issues from alluvium; (epm) Na + K = 1.27; Ca + Mg = 4.30; Cl + SO ₄ = 1.28; tritium ≤ 7 T. U.																
Morman (Moorman) Spring CN¼SE¼S32,T9N,R61E	98-100	225	15Nov66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mifflin, 1968
[209] Emigrant (Riordon Ranch) Spring S19,T9N,R62E	70	200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 135
				Remarks: Several springs; water used for irrigation.																
[210] Test Hole UCE-18 SW¼NW¼S1,T8N,R51E	92	—	7Jun67	54	0.3	4.2	1.0	325	5.7	656	8	47	67	17	0.7	1.1	852	1300	8.4	unpublished data, USGS
				Remarks: CO ₂ = 4.3; PO ₄ = 0.13; Mn = 0.001; Mo = 0.035; Sr = 0.05; V = 0.02; Li = 0.12; Se = 0.02; Ba = 0.015; Cu = 0.001; Al = 0.05; Ti = 0.002; B <0.013; Cd <0.07; Co <0.007; Pb <0.005; Ni <0.007; Sn <0.013 (sample taken 1 Apr 68 gave similar results).																
Test Hole UCE-18 SW¼NW¼S1,T8N,R51E	—	—	2Jul73	66	0.22	2.3	0.4	770	6.8	1790	0	110	60	30	—	—	1910	2780	8.7	unpublished data, USGS
				—	—	54	0.05	6.8	0.5	710	6.2	1250	263	59	35	23	—	1810	2590	8.2
				Remarks: (Six samples were taken over a 12-hour period; values on first line above are maximum concentrations, values on second line are minimums) CO ₂ = 5.7–18; Mn = 0–0.01; Sr = 0.05–0.09; Al = 0.13–0.02; Li = 0.26–0.28; U = 0.043–0.048.																
[211] Hot Creek Canyon																				
Pat Spring SE¼NW¼SE¼ S21,T8N,R49E	72	50	19Mar67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Fiero, 1968
Upper Warm Spring SE¼SW¼SW¼ S21,T8N,R49E	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Fiero, 1968
Upper Warm Spring SW¼SE¼SW¼ S21,T8N,R49E	95	—	31Jul67	46	0.01	4.7	0.1	38	0.8	80	0	19	7.0	0.4	1.3	100	148	192	7.6	USGS
				Remarks: CO ₂ = 3.2; PO ₄ <0.01; Mo = 0.006; Sr = 0.08; V = 0.005; Cu = 0.02; Al = 0.03; Ba = 0.007; Be, Bi, Co, Pb, Mn, Ni, Ag, Sn, Ti each <0.001 (sample taken 18 Sep 77 gave similar results).																
spring SE¼S24,T8N,R49E	94	—	30Aug65	—	—	18	26	—	52	—	—	64	22	—	—	—	—	—	—	CWRR, 1973
				Remarks: Possibly Old Dugan Place Hot Spring.																
Old Dugan Place Hot Spring NW¼NW¼NE¼ S25,T8N,R49E	97	—	11May77	32	0.007	70	22	49	6.8	358	0	55	19	1.0	<0.1	0.33	444	699	7.7	unpublished data, USGS
				Remarks: CO ₂ = 11; PO ₄ <0.01; Ba = 0.11; Sr = 0.56; Li = 0.23; Be, Mn, Mo, Ag, V each <0.001; Ni, Sn, Ti each <0.004; Al <0.1; Se <0.01 (sample taken 31 Jul 77 gave similar results).																
Old Dugan Place Hot Spring NW¼NW¼NE¼ S25,T8N,R49E	102	—	11Aug68	—	—	68	21	—	—	318	0	—	—	—	—	—	398	637	7.8	unpublished data, USGS
				Remarks: CO ₂ = 8.1 (sample taken 18 Sep 68 gave similar results).																
Old Dugan Place Hot Spring NE¼NW¼S25,T8N,R49E	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Fiero, 1968
spring NW¼NE¼S25,T8N,R49E	92	360	29Aug65	—	—	18	26	—	52	204	0	64	22	—	—	—	—	462	8.0	Rush & Everett, 1966
Hot Creek Ranch Spring NE¼SE¼SE¼ S29,T8N,R50E	145	763(1966)	21Sep73	135	0.04	51	15.1	197	13.4	545	0	86.4	42	8	<0.1	—	823	1101	8.0	Sanders & Miles, 1974
				Remarks: Li = 1.8, NH ₄ <0.1, PO ₄ <0.1, As = 0.013µg/l, Ba = 0.1, Be <0.005, Cu <0.004, Pb <0.02, Mn = 0.09, Sr = 0.26, Zn = 0.02, Ni <0.02, Cd <0.002, Cr <0.04, Ag <0.004, Bi <0.10, Cs = 0.62, Hg <0.2, Li = 1.82, Nb <0.10, Rb = 0.22, Sb <0.2, Se <1.0, Sn <0.2, Ta <5.																

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
NYE COUNTY (continued)																				
Hot Creek Ranch Spring SE¼S29,T8N,R50E	94-180	675	30Aug	—	—	13	26	—	124	340	0	81	33	—	—	—	—	718	8.2	Rush & Everett, 1966
				Remarks: Three springs; sample mixed from all three; lower spring (180°F) provides about half the flow.																
Hot Creek Ranch Spring NE¼SE¼S29,T8N,R50E	160	763	1966	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Fiero, 1968
spring SW¼NW¼S29,T8N,R50E	70	75	19Mar67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Fiero, 1968
				Remarks: On Mine Fault in canyon.																
Upper Hot Creek Ranch Spring NW¼NE¼SE¼S29,T8N,R50E	94	—	30Aug65	—	—	13	26	—	124	—	—	81	33	—	—	—	—	—	—	CWRR, 1973
Upper Hot Creek Ranch Spring NE¼SW¼S29,T8N,R50E	169	280	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Fiero, 1968
				Remarks: Discharge along fault zone; contributes to irrigation and stock uses.																
Upper Hot Creek Ranch Hot Spring NE¼SE¼S29,T8N,R50E	153	—	31Jul67	0.161	0.04	33	9.5	193	1.4	501	0	64	37	8.3	0.2	0.52	721	1010	8.1	USGS, 1973
				Remarks: CO ₂ = 6.4; PO ₄ <0.01; Ba = 0.095; Be = 0.002; Cd <0.035; Cu <0.01; Mn = 0.12; Sr = 0.71; V <0.0011; Sn <0.011; Al = 0.05; Li = 0.86; Se = 0.01; Bi, Co, Pb, Mo, Ni, Ga, Ti each <0.004 (samples taken 31 Jul 68 and 11 May 67 gave similar results except temperature was recorded as 91°F on 11 May 67).																
Upper Hot Creek Ranch Hot Spring NE¼SE¼S29,T8N,R50E	153	—	18Sep68	—	—	32	8.5	—	—	505	0	—	—	—	—	—	620	980	8.1	unpublished data, USGS
[212] Stanley A. Tanner well NW¼SW¼S28,T7N,R40E	warm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Rush & Schroer, 1970
				Remarks: Depth - 300 ft; warm water; first water at 105 ft.																
[213] Indian Springs S34(?),T7N,R42E	warm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 123
				Remarks: 3 springs; water used locally.																
[214] Hot Creek Valley Spring S30,T7N,R51E	142	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Hose & Taylor, 1974; Waring, 1965, No. 124
				Remarks: Travertine present.																
[215] Butterfield Springs NE¼S28,T7N,R62E	65-75	2000	1944	46	—	40	23	—	2	178	—	27	18	—	—	—	283	—	—	Maxey & Eakin, 1949; Waring, 1965, No. 136; Adams, 1944
				Remarks: Fe + Al = 0.3; Flag (Sunnyside) Springs in NW¼S32,T7N,R62E may also be thermal. Water is used for irrigation. Analysis from Adams, 1944.																
[216] Warm Spring NE¼NW¼S36,T6N,R47E	79	5	30Nov66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Fiero, 1968
[217] Moon River Spring NW¼S25,T6N,R60E	92	900	1948	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Maxey & Eakin, 1948; Waring, 1965, No. 134A
				Remarks: Issues from alluvium; (epm) Na + K = 1.23; Ca + Mg = 4.26; Cl + SO ₄ = 1.10; tritium ≤ 8 T. U.																
[218] Hot Creek Ranch Springs S18,T6N,R61E	88	—	23Jun62	28	—	60	22	29	5.3	288	—	45	8.9	1.0	0.4	0	342	540	8.0	Eakin, 1966
				Remarks: Several springs; water used for irrigation.																
Hot Creek Ranch Springs S18,T6N,R61E	80	—	16Apr63	28	0.01	60	24	24	5.1	300	—	43	9.0	1.0	0.6	0.1	343	548	7.6	Eakin, 1966
Hot Creek Springs SE¼NE¼NE¼ S18,T6N,R61E	92	6885	6Apr35	32	—	58	22	—	32	294	—	45	12	—	0.3	0.04	—	—	—	Maxey & Eakin, 1949
				Remarks: Issues from alluvium.																
Hot Creek Ranch Springs S18,T6N,R61E	85-90	5000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 137
				Remarks: Several springs; water used for irrigation.																
[219] Salisbury Spring NW¼SE¼S8,T5N,R46E	76	12	28Dec66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Fiero, 1968
				Remarks: Probably in S28.																
Salisbury(?) Spring SW¼SE¼S28,T5N,R46E	86	—	30Jul67	76	0.014	1.6	0.1	65	2.5	132	0	26	10	1.2	—	0.16	229	296	8.1	unpublished data, USGS
				Remarks: Ba = 0.5.																
warm spring S½S28,T5N,R46E	warm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Saulsbury Basin 7½-minute quad
spring S½S28,T5N,R46E	—	—	25Aug44	—	—	9	tr	74	—	146	7	25	18	—	—	—	—	—	—	Miller, Hardman & Mason, 1953
[220] Warm (Nanny Goat) Springs																				
Warm Spring NW¼SW¼S20,T4N,R50E	145	—	21Sep73	55	<.02	91.5	22.5	199	23.3	737	0	96.1	36	3.6	<0.1	—	890	1311	6.9	Sanders & Miles, 1974
				Remarks: PO ₄ <0.1, NH ₄ <0.1, As = 13μg/l, Ba <0.10, Ta <5, Be <.005, Cd <.002, Cr <.04, Cu <.004, Hg = .55μg/l, Li = 1.4, Mn <0.01, Ni <0.02, Pb <0.02, Se <1.0μg/l, Sn <0.2, Sr = 1.83, Zn <0.01, Ag <0.004, Bi <0.10, Cs = 0.64, Nb <10, Rb = .20, Sb <0.2.																
spring SW¼S20,T4N,R50E	142	—	1973	60	—	43	24	175	24	714	—	120	32	—	—	—	—	1250	8.1	Mariner & others, 1974

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
NYE COUNTY (continued)																				
Hick's Hot Spring SW¼SE¼S16,T11S,R47E	109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 138
Hick's Hot Spring SW¼SE¼S16,T11S,R47E	100	5	22Feb56	65	0	18	0	167	-	256	-	121	45	5.0	0.3	-	-	821	7.9	Malmberg & Eakin, 1962
Hick's Hot Spring SW¼SE¼S16,T11S,R47E	-	-	14Mar62	-	0	18	0.5	144	-	266	-	72	48	4.2	0	-	-	750	7.9	Malmberg & Eakin, 1962
Amargosa Hot Springs SW¼SE¼S16,T11S,R47E	100	20	22Feb56	65	0	18	0	167	7.4	256	0	121	45	5.0	0.3	-	535	821	7.9	Scott & Barker, 1962
Amargosa Hot Springs SW¼SE¼S16,T11S,R47E	90	-	8Sep27	76	-	50	16	195	-	422	0	133	93	-	-	-	781	-	-	Hardman & Miller, 1934
Amargosa Hot Springs SW¼SE¼S16,T11S,R47E	-	-	-	-	-	-	-	-	-	352	-	tr	64	-	-	-	-	740	-	Miller, Hardman & Mason, 1953
Burrell Hot Spring S21,T11S,R47E	102	-	5Feb74	62	0.06	28	0.4	151	6.0	246	0	121	44	6.0	0.4	-	539	814	7.9	Sanders & Miles, 1974
spring SW¼NE¼S21,T11S,R47E	97	100	14Mar62	-	0	27	3.9	181	393	-	-	48	75	4.5	0	-	784	1100	7.9	Malmberg & Eakin, 1962
spring NE¼NW¼S33,T11S,R47E	88	25	14Mar62	-	-	4.8	0.5	96	-	176	-	34	31	4.1	0	-	330	470	8.2	Malmberg & Eakin, 1962
Beatty Municipal spring NE¼SW¼S5,T12S,R47E	75	200-300	22Feb56	68	-	14	1.9	106	-	194	0	69	27	4	0.8	-	368	552	8.2	Malmberg & Eakin, 1962
Beatty Municipal spring NE¼SW¼S5,T12S,R47E	-	-	-	68	0.12	14	1.9	106	5.8	194	0	69	27	4.0	0.8	-	368	552	8.2	Scott & Barker, 1962
spring NE¼SE¼SW¼ S5,T12S,R47E	75	-	31Oct64	-	0.01	15	1.8	-	-	196	-	70	26	3.2	1.6	-	380	-	7.5	CWRR, 1973
spring S7,T12S,R47E	79	-	1Apr67	-	-	13	1	-	-	-	-	48	49	0.85	3.7	-	-	-	-	CWRR, 1973
[228] Yucca Flat well 79-69a (test well C) 36°59'40" N, 116°01'30"	99	-	1Sep61	30	1.0	74	27	142	15	577	0	71	34	0.9	1.0	-	624	1080	7.0	Schoff & Moore, 1964
well 84-69 (test well E) 37°03'20" N, 116°00'50"	108	-	31Jul60	61	-	1.6	0	81	2.6	187	0	16	6.0	0.6	2.5	-	287	358	9.0	Schoff & Moore, 1964
[229] Amargosa Desert well T13S,R50E	79	-	19Feb59	-	0.06	14	1.5	-	-	118	-	24	8	1.8	0.7	-	-	-	7.4	CWRR, 1973
well SE¼S30,T13S,R51E	91	105	18Sep57	67	0.26	85	14.0	157	16	102	0	484	20	0.9	7.4	-	893	1210	7.8	Walker & Eakin, 1963
well NE¼S35,T13S,R47E	84	100	12Jul62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Walker & Eakin, 1963
well NE¼S6,T14S,R50E	79	200	25Apr58	26	0.52	9.6	1.9	46	5.2	121	0	24	7.0	1.8	0	-	169	266	8.2	Walker & Eakin, 1963
well J-12 S6,T14S,R50E	80	-	Apr69	56	-	14	2.5	40	5.8	117	0	22	6.4	2.1	9.7	0.13	205	-	-	Dudley & Larson, 1976
well 73-61 (well J-11) 36°46'45" N, 116°16'50"	91	-	18Sep57	67	0.26	85	14	157	16	102	0	484	20	0.9	7.4	-	89	1210	7.8	Schoff & Moore, 1964
test well F SE¼SE¼S3,T14S,R52E	149	-	21May75	37	-	46	17	60	8.3	264	-	89	10	3.4	-	-	390	666	-	USGS
well NE¼NE¼S14,T15S,R49E	82	-	24Apr58	52	0.09	25	2.4	41	5.2	145	0	33	8.0	1.4	3.5	-	233	336	8.0	Walker & Eakin, 1963
well 69-57 NE¼NE¼S14,T15S,R49E	82	-	24Apr58	52	0.09	25	2.4	41	5.2	145	0	33	8.0	1.4	3.5	-	233	336	8.0	Schoff & Moore, 1964
well SW¼S18,T15S,R50E	75	-	26Jun59	45	0.67	21	2.9	103	6.0	162	0	122	18	1.4	6.9	-	408	863	7.9	Walker & Eakin, 1963

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
NYE COUNTY (continued)																				
well SE¼S2,T16S,R48E	73	-	2Jul62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Walker & Eakin, 1963
			Remarks: Depth - 409 ft(?); perforated 212-422 ft(?).																	
well NE¼S3,T16S,R48E	72	650-900	2Jul62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Walker & Eakin, 1963
			Remarks: Depth - 234 ft; perforated 120-250 ft(?).																	
well SW¼S11,T16S,R48E	72	-	4Jul62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Walker & Eakin, 1963
			Remarks: Depth - 288 ft; perforated 130-302 ft.																	
well NE¼S17,T16S,R48E	75	1200-1500	18Aug62	75	0	60	7.8	157	12	302	0	179	69	1.2	1.2	0.57	800	1074	7.4	Walker & Eakin, 1963
			Remarks: Depth - 280 ft; perforated 120-280 ft; Al = 0, Li = 0.2, PO ₄ = 0, Sn = 0.6.																	
well NW¼NW¼NE¼ S17,T16S,R48E	75	-	18Aug62	75	-	60	7.8	157	12	302	0	179	69	1.2	1.2	-	800	1074	7.4	Schoff & Moore, 1964
			Remarks: Depth - 280 ft; Li = 0.2, PO ₄ = 0.																	
well NW¼S18,T16S,R48E	72	-	3Jul62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Walker & Eakin, 1963
			Remarks: Depth - 361 ft; perforated 140-218 ft & 258-380 ft.																	
well SE¼S20,T16S,R48E	72	1500	4Jul62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Walker & Eakin, 1963
			Remarks: Depth - 366 ft; perforated 119-225 ft.																	
well SE¼S23,T16S,R48E	73	-	7Jul62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Walker & Eakin, 1963
			Remarks: Depth - 474 ft(?); perforated 270-503 ft(?).																	
well SW¼S23,T16S,R48E	73	-	7Jul62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Walker & Eakin, 1963
			Remarks: Depth - 510 ft; perforated 170-485 ft.																	
well NW¼S23,T16S,R48E	75	-	19Aug62	74	1.1	9.4	1.0	66	6.8	156	0	27	8.8	2.0	3.1	0.15	294	346	7.3	Walker & Eakin, 1963
			Remarks: Depth - 330 ft; perforated 100-300 ft; Al = 0.57, PO ₄ = 0, Sn = 1.8.																	
well SW¼S24,T16S,R48E	73	-	9Jul62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Walker & Eakin, 1963
			Remarks: Perforated 110-306 ft.																	
well NE¼S24,T16S,R48E	81	1600	24May56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	345	-	Walker & Eakin, 1963
			Remarks: Depth - 480 ft.																	
well SE¼S24,T16S,R48E	81	1100	24May56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	325	-	Walker & Eakin, 1963
			Remarks: Depth - 421 ft.																	
well SW¼S27,T16S,R48E	73	-	4Jul62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Walker & Eakin, 1963
			Remarks: Depth - 236 ft; perforated 106-236 ft.																	
well NE¼S36,T16S,R48E	75	1000	21Feb56	82	0.14	70	3.9	62	9.0	142	0	107	61	-	-	-	489	700	7.9	Walker & Eakin, 1963
			Remarks: Depth - 165 ft; Al = 0.2; Mn = 0; PO ₄ = 0; Ra < 0.1 μg/l; U = 4.7 μg/l.																	
well SE¼S36,T16S,R48E	70	940	25Jun59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Walker & Eakin, 1963
			Remarks: Depth - 407 ft.																	
well SW¼S9,T16S,R49E	75	274	15Jul58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Walker & Eakin, 1963
well NE¼NE¼SW¼ S9,T16S,R49E	75	274	19Aug62	56	0	28	3.4	46	7.6	142	0	53	10	0.7	3.3	0.16	310	381	7.2	Walker & Eakin, 1963
			Remarks: Depth - 300 ft; Al = 0.3, Li = 0.06, PO ₄ = 0, Sn = 0.9.																	
well NW¼S14,T16S,R49E	73	-	29Jun62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Walker & Eakin, 1963
			Remarks: Depth - 390 ft; perforated 150-390 ft.																	
well NE¼S15,T16S,R49E	75	-	29Jun62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Walker & Eakin, 1963
			Remarks: Depth - 420 ft.																	
well NE¼S18,T16S,R49E	73	-	28Jun62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Walker & Eakin, 1963
			Remarks: Depth - 420 ft; perforated 140-420 ft.																	
Parent Springs NW¼S23,T17S,R50E	93	193	23Jul62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Dudley & Larson, 1976
well NW¼NW¼S23,T17S,R50E	94	-	Feb71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Walker & Eakin, 1963
			Remarks: Depth - 140 ft.																	
well SM7 NW¼SE¼SE¼ S23,T17S,R50E	91	-	30Oct70	22	0.04	45	19	72	8.1	281	0	80	20	1.7	0.1	<0.01	528	630	7.8	Naff, 1973
			Remarks: Al < 0.1, Mn < 0.01, Sr = 0.79, Li = 0.08.																	
spring SW¼NE¼NW¼ S26,T17S,R50E	81	-	13Feb72	29	-	45	20	69	6.8	285	0	81	21	1.32	-	-	528	619	7.9	Naff, 1973
Scruggs Spring SE¼SW¼NE¼ S35,T17S,R50E	86	-	12Feb72	28	-	46	19	71	7.8	283	0	80	22	1.15	-	-	529	613	7.6	Naff, 1973

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (µmhos/cm)	pH	Reference
NYE COUNTY (continued)																				
spring NE¼S35,T17S,R50E	91	140	24Jul62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	640	-	Walker & Eakin, 1963
spring NW¼NE¼S35,T17S,R50E	82	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	620	-	Hughes, 1966
Button Springs NE¼SE¼S35,T17S,R50E	93	6	24Jul62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	620	-	Walker & Eakin, 1963
Button Springs NE¼SE¼S35,T17S,R50E	93	7.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Hughes, 1966
Devil's Hole SW¼SE¼S36,T17S,R50E	92	-	9Dec66	22	0	50	24	65	7.6	310	0	76	20	1.6	0.2	0.32	555	677	-	Naff, 1973
				Remarks: Al = 0.01, Mn <0.01, Sr = 0.89, Li = 0.09, PO ₄ = 0.																
Devil's Hole SW¼SE¼S36,T17S,R50E	81	-	21Oct64	21	0	52	19	67	8.1	306	0	78	22	1.4	0.3	-	554	686	7.8	Naff, 1973
				Remarks: Al = 0.01, Mn = 0, PO ₄ = 0.																
Devil's Hole SE¼S36,T17S,R50E	-	450	-	-	-	62	18	35	-	315	0	52	30	-	-	-	-	731	-	Miller, Hardman & Mason, 1953
Devil's Hole SE¼S36,T17S,R50E	90	450	22Jan53	23	0.04	51	21	66	7.2	311	0	79	22	1.6	-	0.38	425	686	7.4	Eakin, 1963a
				Remarks: 4 springs.																
Devil's Hole SW¼SE¼S36,T17S,R50E	91	0	23Jan53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mifflin, 1968
				Remarks: Standing water in solution sink in upper Bonanza King Formation (Cambrian limestone); (epm) Na + K = 2.79; Ca + Mg = 4.27; Cl + SO ₄ = 2.28.																
Ash Meadow Springs SE¼S36,T17S,R50E	76-94	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 139
				Remarks: 4 springs.																
well SW¼SE¼S36,T17S,R50E	92	-	28Jun72	24	-	47	20	69	7.1	304	0	82	26	-	0.20	<0.04	555	677	7.4	Naff, 1973
DH well SE¼SE¼S36,T17S,R50E	92	-	10Mar67	24	0.23	46	20	69	8.6	301	0	77	20	1.8	0	0.29	545	669	7.9	Naff, 1973
				Remarks: Al = 0, Mn = 0.02, Sr = 0.93, Li = 0.08, PO ₄ = 0.																
well NE¼S1,T17S,R51E	73	191	10Jan61	18	0	39	20	69	10	350	0	53	6.0	0.6	0	-	372	607	7.2	Walker & Eakin, 1963
				Remarks: Depth - 135 ft; perforated 48-135 ft; Al = 0.2.																
well SE¼SE¼S31,T17S,R51E	78	-	Feb72	22	-	30	12	120	6.2	313	0	90	19	1.5	<0.1	-	435	-	-	Dudley & Larson, 1976
				Remarks: Li = 0.12.																
spring NE¼NW¼S35,T17S,R51E	82	17	23Jul62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	620	-	Walker & Eakin, 1963
well SW¼S8,T17S,R52E	82	-	27Apr58	18	34	34	-	61	7.2	274	0	63	21	1.1	0	-	342	595	8.0	Walker & Eakin, 1963
				Remarks: Depth - 400 ft; perforated 39-139 ft; Al = 0.2.																
well SW¼S8,T17S,R52E	82	-	27Apr58	18	0	34	22	61	7.2	274	0	63	21	1.1	0	-	483	595	8.0	Naff, 1973
				Remarks: Al = 0.2, PO ₄ = 0.																
Embry well NE¼SE¼SW¼ S2,T18S,R49E	70	-	28Dec71	82	-	25	6.0	75	8.8	219	0	49	16	1.02	4.03	-	404	456	7.9	Naff, 1973
spring NW¼SE¼S1,T18S,R50E	79	9.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Hughes, 1966
spring NW¼S1,T18S,R50E	84	3.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Hughes, 1966
Crystal Spring NE¼SE¼NW¼ S3,T18S,R50E	86	-	30Dec71	26	-	48	20	80	8.8	311	0	92	32	1.35	-	-	593	657	7.4	Naff, 1973
Crystal Pool (Crystal Spring) NW¼S3,T18S,R50E	91	2824	29Jul62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	650	-	Eakin, 1963a
Crystal Pool SE¼NE¼S3,T18S,R50E	90-91	2834	24Feb29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mifflin, 1968
				Remarks: In alluvium; (epm) Na + K = 3.53; Ca + Mg = 4.09; Cl + SO ₄ = 2.51.																
Crystal Pool NW¼SE¼NE¼ S3,T18S,R50E	91	-	Nov66	25	-	40	20	7	8.6	278	0	81	22	1.7	<0.1	0.31	432	-	-	Dudley & Larson, 1976
				Remarks: Li = 0.09.																
well NE¼NE¼S3,T18S,R50E	89	-	Mar66	-	-	-	-	70	-	284	-	77	21	1.9	-	-	416	-	-	Dudley & Larson, 1976
				Remarks: Depth - 516 ft.																
well NE¼NE¼S5,T18S,R50E	74	-	Mar67	22	-	-	-	237	-	106	130	170	42	1.9	-	-	792	-	-	Dudley & Larson, 1976
				Remarks: Depth - 670 ft.																
spring SE¼NW¼S7,T18S,R50E	90	-	26Oct64	-	0.17	15	19	-	-	306	-	78	21	1.2	0.2	-	412	-	8.2	CWRR, 1973

Identification number, name, location	Temp. (F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (µmhos/cm)	pH	Reference
NYE COUNTY (continued)																				
Davis Ranch Spring NE¼NW¼S11,T18S,R50E	70	—	29Dec71	30	—	50	22	101	11	340	0	114	34	1.7	—	—	672	732	7.7	Naff, 1973
Davis Ranch (3) Spring SE¼S11,T18S,R50E	72	30	25Jul62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	750	—	Walker & Eakin, 1963
Davis Ranch Spring NW¼SW¼S12 & NE¼SE¼ S11,T18S,R50E	77	397	25Jul62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	750	—	Eakin, 1963a
			Remarks: Several springs.																	
Davis Ranch Spring NW¼SW¼S12 & NE¼SE¼ S11,T18S,R50E	75-81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	760	—	Hughes, 1966
			Remarks: Several springs.																	
Davis Ranch well SE¼S11,T18S,R50E	73	174	2Feb53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Walker & Eakin, 1963
Davis Ranch well SE¼S11,T18S,R50E	—	5	25Jul62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Walker & Eakin, 1963
well SE¼S11,T18S,R50E	87	—	Feb67	—	—	—	—	55	—	304	0	64	21	1.9	—	—	412	—	—	Dudley & Larson, 1976
well NE¼NE¼S6,T18S,R51E	75	—	13Feb72	18	—	36	19	68	7.8	272	0	69	20	0.98	—	—	492	572	7.7	Naff, 1973
well NW¼NW¼NW¼ S7,T18S,R51E	87	—	Mar71	23	—	44	19	69	8.2	214	0	79	20	1.5	0.3	—	335	—	—	Dudley & Larson, 1976
			Remarks: Depth — 500 ft; Li = 0.08.																	
Indian Seep NW¼NW¼SE¼ S7,T18S,R51E	89	—	26Oct64	23	0.17	52	19	66	7.9	309	0	78	21	1.2	0.2	—	555	671	7.3	Naff, 1973
			Remarks: Al = 0.09, Mn = 0, PO ₄ = 0.																	
Indian Rock Spring NE¼NW¼SE¼ S7,T18S,R51E	92	—	Nov70	22	—	46	21	68	7.4	304	0	78	21	1.5	0.2	0.35	412	—	—	Dudley & Larson, 1976
			Remarks: Li = 0.09.																	
Indian Rock Spring (1) SW¼S7,T18S,R51E	91	22	25Jul62	62	—	—	—	—	—	—	—	—	—	—	—	—	—	640	—	Walker & Eakin, 1963
Indian Rock Spring (2) SE¼S7,T18S,R51E	91	379	26Jul62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	645	—	Walker & Eakin, 1963
Point-of-Rock Spring NW¼SE¼S7,T18S,R51E	90	1162	28Feb49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mifflin, 1968
			Remarks: In alluvium; (epm) Na + K = 3.20; Ca + Mg = 4.17; Cl + SO ₄ = 2.26.																	
Point-of-Rock Spring NW¼SE¼S7,T18S,R51E	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	675	—	Hughes, 1966
King Spring NW¼SE¼S7,T18S,R51E	91	—	26Oct64	21	0	52	19	68	7.9	301	0	78	22	1.6	0.3	0.45	550	685	7.3	Naff, 1973
			Remarks: Al = 0.02, Mn = 0, PO ₄ = 0.																	
King Spring NW¼NW¼SE¼ S7,T18S,R51E	90	—	4Oct70	22	0.09	45	19	70	8.0	278	0	79	20	1.5	0.3	—	521	625	7.9	Naff, 1973
			Remarks: Al = 0.10, Mn <0.01, Sr = 0.78, Li = 0.08, PO ₄ <0.01.																	
King Pool NW¼NW¼SE¼ S7,T18S,R51E	90	—	Nov66	22	—	48	21	67	7	304	0	76	21	2.1	0.2	0.30	408	—	—	Dudley & Larson, 1976
			Remarks: Li = 0.09.																	
spring SW¼S7,T18S,R51E	93	19	26Jul62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	650	—	Walker & Eakin, 1963
spring SE¼S7,T18S,R51E	93	2	26Jul62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	650	—	Walker & Eakin, 1963
well SM1 NE¼NE¼SE¼ S7,T18S,R51E	82	—	4Oct70	23	0.04	60	36	170	11	263	0	330	95	1.5	7.1	—	975	1300	7.9	Naff, 1973
			Remarks: Al = 0.10, Mn <0.01, Sr = 1.4, Li = 0.12, PO ₄ <0.01.																	
well SM2 SW¼NE¼SE¼ S7,T18S,R51E	80	—	4Oct70	23	0.26	140	82	400	19	242	0	920	300	1.4	27	—	2136	2750	7.4	Naff, 1973
			Remarks: Al = 0.50, Mn = 0.01, Sr = 3.8, Li = 0.19, PO ₄ <0.01.																	
well SM3 SE¼NE¼S7,T18S,R51E	85	—	20Oct70	24	0.05	59	30	130	9.1	183	0	230	76	1.7	5.6	—	726	1000	8.3	Naff, 1973
			Remarks: Al <0.1, Mn <0.01, Sr = 1.5, Li = 0.12, PO ₄ <0.01.																	
well SM4 NW¼NE¼SW¼ S7,T18S,R51E	87	—	20Oct70	23	0.03	51	21	78	8.4	293	0	83	25	1.7	2.6	—	565	700	7.8	Naff, 1973
			Remarks: Al <0.1, Mn <0.01, Sr = 0.93, Li = 0.09, PO ₄ <0.01.																	

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference	
NYE COUNTY (continued)																					
well SM5 NW¼NW¼NW¼ S7,T18S,R51E	87	—	4Oct70	23	0.12	44	19	70	8.2	214	0	79	20	1.5	0.3	—	457	540	8.2	Naff, 1973	
					Remarks: Al = 0.2, Mn <0.01, Sr = 0.78, Li = 0.08, PO ₄ <0.01.																
well SM17 NE¼NW¼SW¼ S8,T18S,R51E	70	—	27Mar72	31	—	67	89	810	26	246	0	1635	288	—	—	—	3161	3067	7.9	Naff, 1973	
Jack Rabbit Spring NW¼SE¼NW¼ S18,T18S,R51E	79	—	20Oct70	24	0.04	160	95	420	21	168	0	980	310	1.7	29	—	2189	3000	8.0	Naff, 1973	
					Remarks: Al = 0.20, Mn <0.01, Sr = 4.2, Li = 0.21, PO ₄ <0.01.																
Jack Rabbit Spring SE¼NW¼SE¼ S18,T18S,R51E	82	—	Nov66	22	—	45	21	68	7.8	300	—	78	20	1.52	0.1	0.38	541	—	—	Naff, 1973	
					Remarks: Li = 0.09.																
Jackrabbit (Rogers) Spring SE¼NW¼S18,T18S,R51E	82	587	27Jul62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	675	—	Walker & Eakin, 1963	
Jack Rabbit Spring SE¼NW¼SE¼ S18,T18S,R51E	82	—	Nov66	22	—	45	21	68	7.8	300	0	78	20	1.5	0.1	0.38	412	—	—	Dudley & Larson, 1976	
					Remarks: Li = 0.08.																
Jack Rabbit Spring SE¼NW¼SE¼ S18,T18S,R51E	78	—	Oct70	24	—	158	95	420	21	168	0	980	310	1.7	29	—	2140	—	—	Dudley & Larson, 1976	
					Remarks: Li = 0.21.																
Big (Ash Meadows; Deep) Spring SW¼NE¼S19,T18S,R51E	81	—	14Feb66	—	—	58	12	—	—	290	—	82	28	1.75	—	—	—	—	7.7	CWRR, 1973	
					Remarks: Data is probably from several springs.																
Big (Ash Meadows; Deep) Spring SW¼NE¼S19,T18S,R51E	82	1773	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	700	—	Hughes, 1966	
Big (Ash Meadows; Deep) Spring SW¼NE¼S19,T18S,R51E	82	1078-1247	27Jan59	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mifflin, 1968	
					Remarks: In alluvium; (epm) Na + K = 4.55, Ca + Mg = 4.72, Cl + SO ₄ = 3.00.																
Big (Ash Meadows; Deep) Spring SW¼NE¼S19,T18S,R51E	81	—	27Oct64	—	—	48	14	—	—	314	—	105	26	1.4	—	—	482	—	7.2	CWRR, 1973	
Ash Meadows (Deep; Big) Spring NE¼S19,T18S,R51E	75-93	1000	26Jul62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Lamke & Moore, 1965	
					Remarks: Larger spring is 24°C, smaller is 34°C.																
Ash Meadows (Deep; Big) Spring NE¼S19,T18S,R51E	82	1036	27Jan59	32	0.11	45	18	98	—	314	0	110	25	1.4	0.3	0.51	468	780	7.7	Walker & Eakin, 1963	
					Remarks: Al = 0; PO ₄ = 0.51; Sr = 1.8.																
Big Spring NW¼SW¼NE¼ S19,T18S,R51E	83	—	Nov66	28	—	44	19	97	8.6	318	0	105	25	1.3	0.2	0.44	480	—	—	Dudley & Larson, 1976	
					Remarks: Li = 0.12.																
Big Spring SW¼NE¼S19,T18S,R51E	81	—	27Oct76	75	0.03	48	14	95	9.0	311	0	105	26	1.4	0	—	610	773	7.4	Naff, 1973	
					Remarks: Al = 0.08, Mn = 0, PO ₄ = 0.																
Big Spring SE¼NW¼S19,T18S,R51E	82	—	29Apr71	—	—	51	14	106	8.6	301	0	130	32	1.5	—	0.25	644	770	7.5	Naff, 1973	
well SW¼S19,T16S,R49E	73	1200	9Jul62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Walker & Eakin, 1963	
					Remarks: Depth - 300 ft; perforated 100-300 ft.																
well NE¼S28,T16S,R49E	75	—	15Mar59	—	—	—	—	—	—	—	—	—	—	—	—	—	—	440	—	Walker & Eakin, 1963	
					Remarks: Depth - 300 ft; perforated 120-300 ft.																
well SE¼S32,T16S,R49E	70	—	26Jun62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Walker & Eakin, 1963	
					Remarks: Depth - 233 ft; perforated 94-248 ft(?).																
well NE¼NE¼NW¼ S35,T16S,R49E	75	—	18Aug62	34	0.03	50	17	106	12	286	0	145	29	4.4	0.5	0.42	545	796	7.3	Walker & Eakin, 1963	
					Remarks: Depth - 325 ft; Al = 0.6, Li = 0.18, PO ₄ = 0, Sr = 1.0.																
USGS well NE¼NW¼S27,T16S,R51E	87	—	Feb68	22	—	45	18	62	7.8	284	—	64	21	2.1	<0.1	—	504	—	—	Naff, 1973	
					Remarks: Li = 0.07.																
tracer well 2 NE¼NE¼NW¼ S27,T16S,R51E	87	—	Feb68	22	—	45	18	62	7.8	284	0	64	21	2.1	<0.1	0.27	400	—	—	Dudley & Larson, 1976	
					Remarks: Li = 0.08.																

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
NYE COUNTY (continued)																				
well NW¼S4,T16S,R53E	91	438	10Jul62	21	0.03	47	21	37	5.2	256	0	53	16	0.9	0.9	—	330	544	7.1	Walker & Eakin, 1963
				Remarks: Depth — 1953 ft; perforated 800–1050 ft; Al = 0.03, Li = 0, PO ₄ = 0.16, Sr = 0.4.																
army well 1 NW¼S5,T16S,R53E	87	—	Apr69	20	—	44	22	36	5.9	258	0	51	13	1.1	1.1	0.20	308	—	—	Dudley & Larson, 1976
				Remarks: Li = 0.04.																
well S5,T16S,R53E	90	—	15Jul62	—	—	46	21	—	—	254	—	58	17	0.9	1.4	—	332	—	7.5	CWRR, 1973
				Remarks: Depth — 918 ft.																
well SE¼S1,T17S,R48E	70	—	5Jul62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Walker & Eakin, 1963
				Remarks: Depth — 188 ft; perforated 30–197 ft.																
well NE¼NE¼NW¼ S12,T17S,R48E	77	—	13Dec72	60	—	81	24	160	15	370	0	231	86	3.2	28	—	997	1250	7.8	Naff, 1973
well NE¼S4,T17S,R44E	82	650	30Oct62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Walker & Eakin, 1963
				Remarks: Depth — 630 ft.																
well NE¼S7,T17S,R49E	73	—	25Jun62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Walker & Eakin, 1963
				Remarks: Depth — 209 ft(?); perforated 55–210 ft(?).																
well SE¼S7,T17S,R49E	73	—	25Jun62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Walker & Eakin, 1963
				Remarks: Depth — 400 ft; perforated 54–360 ft.																
well NW¼S11,T17S,R49E	70	—	20Jun62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Walker & Eakin, 1963
				Remarks: Depth — 274 ft(?); perforated 80–300 ft(?).																
Mecca well NE¼NW¼S11,T17S,R49E	71	—	23Feb71	—	—	46	13	113	15	220	—	158	36	2.3	—	0.6	602	740	8.4	Naff, 1973
Ash Tree Spring SE¼SE¼SE¼ S35,T17S,R49E	72	—	1Jul70	76	<0.5	15	4.2	55	8.8	156	0	35	6.6	2.6	6.7	0.28	291	360	8.0	Naff, 1973; Dudley & Larson, 1976
				Remarks: Al <0.1, Mn <0.1, Sr 0.25, Li 0.07, PO ₄ <0.01.																
Ash Tree Spring SE¼SE¼S35,T17S,R49E	75	10	8May52	80	0.08	16	4.8	55	7.9	160	0	37	7.2	2.8	3.9	.29	293	370	7.9	Walker & Eakin, 1963
Fairbanks Spring SE¼NE¼S9,T17S,R50E	81	—	27Oct64	20	0	51	18	71	8.0	300	0	80	22	2.2	0	0.51	552	686	7.3	Naff, 1973
				Remarks: Al = 0.06, Mn = 0, PO ₄ = 0.																
Fairbanks Spring SE¼NE¼S9,T17S,R50E	81	1715	23Jul62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	650	Walker & Eakin, 1963
Fairbanks Spring SE¼NE¼S9,T17S,R50E	81	1715	—	—	—	55	18	93	—	367	—	74	262	—	—	—	—	—	911	Mifflin, 1968
				Remarks: In alluvium; (epm) Na + K = 2.82; Ca + Mg = 4.23; Cl + SO ₄ = 2.28.																
Soda Spring SE¼SW¼NW¼ S10,T17S,R50E	71	—	30Oct70	23	0.17	38	18	78	8.7	288	0	82	21	1.9	<0.10	—	537	695	7.9	Naff, 1973
				Remarks: Al = 0.10, Mn <0.01, Sr = 0.62, Li = 0.09, PO ₄ <0.01.																
Bell (Soda) Spring SW¼S10,T17S,R50E	73	79	31Jul62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	725	—	Walker & Eakin, 1963
Soda Spring SE¼SW¼NW¼ S10,T17S,R50E	73	—	Nov66	35	—	36	17	106	10	330	0	93	27	2.1	<0.1	0.99	488	—	—	Dudley & Larson, 1976
				Remarks: Li = 0.10.																
well NE¼SE¼SW¼ S10,T17S,R50E	72	—	Jun68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
				Remarks: Depth — 157 ft.																
well SE¼SE¼SW¼ S10,T17S,R50E	70	—	Feb71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dudley & Larson, 1976
well SM13 SW¼SW¼SE¼ S10,T17S,R50E	70	—	30Oct70	31	0.04	22	11	110	15	296	0	74	22	2	0.5	—	554	640	8.0	Naff, 1973
				Remarks: Al = 0.2, Mn = 0.01, Sr = 1.1, Li = 0.14, PO ₄ <0.01.																
“Purgatory Spring” well SW¼NE¼SW¼ S14,T17S,R50E	93	—	1970	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dudley & Larson, 1976
				Remarks: Depth — 92 ft.																
Rogers Spring NW¼NE¼S15,T17S,R50E	82	—	Nov66	23	—	47	21	69	7.8	302	—	78	21	1.52	<0.1	0.31	547	—	—	Naff, 1973
				Remarks: Li = 0.09.																
Rogers Spring SW¼NE¼S15,T17S,R50E	84	—	7Oct71	—	—	55	15	78	9	290	—	96	27	1.8	—	—	571	693	8.0	Naff, 1973

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
NYE COUNTY (continued)																				
Rogers Springs NW¼NE¼S15,T17S,R50E	66	725	1966?	23	0.16	50	20	76	305	0	79	23	1.2	0.9	0.28	—	—	—	—	Maxey & Mifflin, 1966
Rogers Spring NW¼NE¼S15,T17S,R50E	84	717-736	14Jan65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mifflin, 1968
				Remarks: In alluvium; (epm) Na + K = 4.00; Ca + Mg = 4.14; Cl + SO ₄ = 3.52.																
Rogers Springs NW¼NE¼S15,T17S,R50E	82	82	29Jul62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	650	—	Walker & Eakin, 1963
well NW¼NW¼S21,T17S,R50E	76	—	Jun68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Dudley & Larson, 1976
				Remarks: Depth - 202 ft.																
Longstreet Spring NE¼NW¼NE¼ S22,T17S,R50E	81	—	28Oct64	22	0	51	17	68	7.9	303	0	78	22	1.6	0.3	0.45	549	681	7.4	Naff, 1973
				Remarks: Al = 0.05, Mn = 0, PO ₄ = 0.																
Longstreet Spring NW¼NE¼S22,T17S,R50E	82	1042	29Jul62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	640	—	Walker & Eakin, 1963
Longstreet Spring NW¼NE¼S22,T17S,R50E	82	1042-1239	14Jan65	—	—	—	—	—	—	312	0	—	28	—	—	0.35	—	685	—	Mifflin, 1968
				Remarks: In alluvium; (epm) Na + K = 3.78, Ca + Mg = 4.10, Cl + SO ₄ = 2.91.																
Longstreet Spring NE¼NW¼NE¼ S22,T17S,R50E	82	—	Nov66	22	—	48	19	69	7.8	300	0	75	17	1.7	0.4	0.26	419	—	—	Dudley & Larson, 1976
				Remarks: Li = 0.09.																
Parent Springs NW¼S23,T17S,R50E	93	177	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Hughes, 1966
				Remarks: Three springs.																
Main Spring NE¼SW¼NW¼ S23,T17S,R50E	92	—	30Oct70	22	0.02	45	19	72	8.4	269	0	82	20	1.7	0.3	—	518	620	8.1	Naff, 1973
				Remarks: Al = 0.10, Mn <0.01, Sr = 0.78, Li = 0.08, PO ₄ <0.01.																
spring NW¼S29,T18S,R51E	72	1	28Jul62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	790	—	Walker & Eakin, 1963
Bole Spring NW¼NE¼S30,T18S,R51E	72	12	27Jul62	33	0.03	38	0.6	106	9.2	306	0	113	27	1.0	1.0	—	500	776	7.1	Walker & Eakin, 1963
				Remarks: Al = 0.11, Li = 0.17, PO ₄ = 0, Sr = 0.6.																
spring NE¼S30,T18S,R51E	72	12	27Jul62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Walker & Eakin, 1963
[230] Pahrump Valley																				
well NW¼S9,T19S,R53E	73	—	—	21	0.10	46	26	28	4.0	280	0	36	12	0.3	2.4	0.14	302	524	7.8	Hunt & others, 1966
				Remarks: Al = 0.1, Mn = 0.00, As = 0.00, Sr = 0.76, PO ₄ = 0.00, Ra = 0.1 ± 0.1 μmcl/l, U = 2.1 ± 0.2.																
Wilcox well SW¼NE¼S34,T19S,R53E	78	—	26Oct64	16	0	56	22	5.5	1.6	258	0	18	4.3	0.1	1.5	0.16	367	437	7.5	Naff, 1973
				Remarks: Al = 0.04, Mn = 0, PO ₄ = 0.																
Ray Thomas well SW¼SW¼SE¼ S14,T20S,R53E	79	—	10Oct16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Maxey & Jameson, 1948
				Remarks: Depth - 495 ft.																
J. M. Raycraft well S14,T20S,R53E	79	flowing	1916	8	—	51	25	42	—	242	0	32	63	—	—	—	383	—	—	Waring, 1919
				Remarks: Depth - 322 ft.																
Pahrump (Bennetts) Springs SE¼SE¼S14,T20S,R53E	—	0	1963	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Lamke & Moore, 1965
Pahrump Springs SE¼SE¼S14,T20S,R53E	77	486	5Aug27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Hardman & Miller, 1934; Waring, 1965, No. 140
				Remarks: 2 springs; water used for irrigation.																
Bennetts Spring SW¼SE¼S14,T20S,R53E	75	0	1966	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mifflin, 1968
Bennetts Springs SW¼SE¼S14,T20S,R53E	77	2520	5Aug27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mifflin, 1968
				Remarks: In alluvium; spring has been destroyed by drilling of nearby flowing well.																
Raycraft well SW¼NW¼SW¼ S14,T20S,R53E	81	—	9Sep46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Maxey & Jameson, 1948
				Remarks: Depth - 360 ft.																
Ray Thomas well SW¼SW¼SE¼ S14,T20S,R53E	79	—	6Mar45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Maxey & Jameson, 1948
				Remarks: Depth - 254 ft.																
George P. Brooks well SE¼SE¼NE¼ S15,T20S,R53E	82	—	10Oct46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Maxey & Jameson, 1948
				Remarks: Depth - 316 ft.																

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
NYE COUNTY (continued)																				
A. F. Cayton well SW¼SE¼NW¼ S15,T20S,R53E	73																			Maxey & Jameson, 1948
																				Remarks: Depth - 212 ft.
J. P. Cayton well SE¼SE¼NW¼ S15,T20S,R53E	81		10Sep46																	Maxey & Jameson, 1948
J. M. Raycraft well NW¼SE¼S15,T20S,R53E	81	flowing	9Sep46																	Maxey & Jameson, 1948
J. M. Raycraft well NW¼SE¼S15,T20S,R53E	79	flowing	1916																	Waring, 1919
																				Remarks: Depth - 175 ft; flow struck at 156 ft.
Ray Thomas well NE¼NW¼NE¼ S23,T20S,R53E	79		9Sep46																	Maxey & Jameson, 1948
																				Remarks: Depth - 516 ft.
Manse Ranch Springs SE¼NE¼S3,T21S,R54E	75	1500				52.2	10.9	30.2		239	0	42.3	0.7				375			Hardman & Miller, 1934; Waring, 1965, No. 141
Manse Ranch Springs SE¼NE¼S3,T21S,R54E	75	800-1160	5Aug27	18		55	29	tr		239	0	42	4.9				268			Hardman & Miller, 1934
																				Remarks: 2 springs; water used for irrigation.
Manse Ranch Springs SE¼NE¼S3,T21S,R54E		605-1500																		Mifflin, 1968
																				Remarks: In alluvium; flow has diminished because of nearby flowing well, (epm) Na + K = 1.30; Ca + Mg = 3.50; Cl + SO ₄ = 1.02.
well NE¼S16,T21S,R54E	73		1955	16	0	53	22	7.1	0.8	224	0	47	3.0	0.5	0.6		259			7.9 Scott & Barker, 1962
																				Remarks: Depth - 795 ft; Al = 0, Mn = 0, PO ₄ = 0, Ra = 0.1 μm/l, U = 1.6 μm/l.
well NE¼S16,T21S,R54E	74			0.16		53	22	7.1	0.8	224	0	47	3.0	0.5	0.6		259	428	7.8	Hunt & others, 1966
																				Remarks: Al = 0.0, Mn = 0.00, PO ₄ = 0.0, Ra = 0.1 μm/l, U = 1.6.
PERSHING COUNTY																				
[131] Double Hot Springs—Black Rock Hot Springs springs S3,10,T35N,R26E																				Remarks: See the section "Double Hot Springs—Black Rock Hot Springs" in Humboldt County.
[151] Buffalo Valley Hot Springs spring S6,T29N,R41E																		480	8.1	Wollenberg & others, 1977 Harrill, 1969
[231] Bailey well SW¼SW¼S6,T35N,R24E	78		16Jul67			1.8	0.9		124	166		77	44							
																				Remarks: Depth - 310 ft.
[232] spring SE¼S28,T35N,R28E	72		22May57			62	27			1280		102	235	5.5						6.4 CWRR, 1973
																				Remarks: PO ₄ = 0.8; location uncertain. This analysis matches (loc 142) Rose Crs Spr. of GEOTHERM, probably Sec 28 as 28 for R also.
[233] Trego area Butte Spring S31?,T34N,R26E	187		1973	85		25	0.2	463	9.3	154		86	520				2300		8.4	Mariner & others, 1973
																				Remarks: Unsurveyed area, near Trego (lat. 40°46'N, long. 119°7'W) 1.8 mi east of Trego, south of railroad.
Butte Spring S31?,T34N,R26E	182	20	1885?																	Waring, 1965, No. 63
spring NW¼S31,T34N,R25E			1963																	Sinclair, 1963a
																				Remarks: Probably Butte Spring in R26E, east of Trego.
spring? T33N,R25E	187			85		25	0.2	545	10	188	0	86	280	5.0		9		2300	8.2	Grose & Keller, 1975b
																				Remarks: H ₂ S = 5.0, probably Butte Spring.
Coyote Spring S3?,T33N,R25E	72		Jun75	58		12	20	1175	17	1210	0	5.8	1170	1.5		4.5	3060	5150	7.6	Grose & Keller, 1975b
Garrett Ranch well NW¼S10,T33N,R25E	92		12Jun61	94		13	0.6	272	8.4	93		156	278	2.8	0.2			1410	7.4	Sinclair, 1963a
																				Remarks: Depth - 125 ft. Approximately 2 miles southwest of Trego.
Garrett Ranch well NW¼S10,T33N,R25E	125																			Sinclair, 1963a
Garrett Ranch well NW¼S10,T33N,R25E	104																			Sinclair, 1963a
																				Remarks: Depth - 90 ft.
Garrett Ranch well NE¼S10,T33N,R25E	108																			Sinclair, 1963a
well? T33N,R25E	92			94		14	0.4	310	12	93	15	156	275	2.8			1410	1980	8.4	Grose & Keller, 1975b

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
PERSHING COUNTY (continued)																				
well? T33N,R25E	97	-	-	86	-	21	0.2	315	21	102	14	141	290	2.7	-	-	-	2150	8.6	Grose & Keller, 1975b
[234] springs approx. SW¼T33N,R35E	warm	small	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 63A
Remarks: Several springs; near Humboldt River 2 miles north of Mill City.																				
[235] Leach (Pleasant Valley, Nelson's, Guthrie) Hot Springs																				
spring SE¼S36,T32N,R38E	198	53	1973	135	-	8.8	0.5	160	13	366	1	53	29	7.8	-	1.2	-	811	7.4	Mariner & others, 1974
Remarks: Li = 1.7.																				
spring SE¼S36,T32N,R38E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mariner & others, 1975
Remarks: Al = 0.009, N = 0.40, P = 0.07, Br = 0.06, I = 0.003, Rb = 0.12, Ce = 0.2, Sr = 0.29, Mn = 0.02, Cu = 0.01, Hg = 0.0006, δD(‰) = -128.6, δO ¹⁸ (‰) = -15.76.																				
Leach's Hot Springs NW¼S36,T32N,R38E	204	200	20Feb74	155	0.12	97	20	518	80	544	0	47.8	775	6.32	<0.1	-	1968	3312	7.0	Sanders & Miles, 1974
Remarks: PO ₄ <0.1, NH ₄ = 1.3, Ag <0.02, As <0.05 μg/l, Ba = 0.46, Be <.005, Bi <0.1, Cd <0.01, Cr <0.02, Cs = 2.82, Cu 0.01, Hg <0.5 μg/l, Li = 5.34, Mn = .034, Ni <0.02, Pb = 0.05, Rb = 1.60, Sb <0.1, Se <1.0 μg/l, Sn <0.05, Sr = .160, Zn = .050.																				
Nelson (Guthrie) Hot Spring S35,T32N,R38E	139-204	250	19Mar43	-	-	60	18	93	-	366	-	50	35	-	-	-	-	-	-	Miller, Hardman & Mason, 1953; Waring, 1965, No. 65
Remarks: 8 pools in 1 acre area, plus several other springs; water is sulfurous, and used for irrigation; deposits of siliceous sinter and "tufa".																				
springs S36,T32N,R38E	140-207	90-135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Cohen, 1964
spring SE¼S36,T32N,R38E	139-204	-	before 1940	-	-	1.5	tr	-	193	233	74	52	33	-	-	tr	790	-	-	Dreyer, 1940
spring S36,T32N,R38E	-	-	-	-	-	-	-	-	193	233	-	-	33	-	-	-	790	-	-	U. S. Bureau of Reclamation, 1972, table 3
springs S36,T32N,R38E	158-202	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 64, 83
pool S36,T32N,R38E	93	-	175	-	3	-	-	181	11	-	-	-	30	-	-	-	-	-	-	Wollenberg & others, 1977
Remarks: U <0.08 μg/l, Ba = 70 μg/l, W = 132 μg/l, Br = 70 μg/l, Sb = 14 μg/l, Mo = 3 μg/l, Rb = 125 μg/l, Cs = 122 μg/l, As = 16 μg/l, Fe <52 μg/l, Sc <0.02 μg/l, Mn = 60 μg/l.																				
pool S36,T32N,R38E	167	-	89	-	10	-	-	154	8	-	-	-	26	-	-	-	-	-	-	Wollenberg & others, 1977
Remarks: U <0.02 μg/l, Ba = 190 μg/l, W = 85 μg/l, Br = 75 μg/l, Sb = 9 μg/l, Mo = 1 μg/l, Rb = 98 μg/l, Cs = 102 μg/l, As = 3 μg/l, Fe <75 μg/l, Sc <0.02 μg/l, Mn = 55 μg/l.																				
pool S36,T32N,R38E	174	-	99	-	7	-	-	164	9	-	-	-	27	-	-	-	-	-	-	Wollenberg & others, 1977
Remarks: U <0.1 μg/l, Ba = 170 μg/l, W = 125 μg/l, Br = 60 μg/l, Sb = 10 μg/l, Mo = 1.5 μg/l, Rb = 105 μg/l, Cs = 110 μg/l, As <4 μg/l, Fe <55 μg/l, Sc <0.02 μg/l, Mn = 60 μg/l.																				
pool S36,T32N,R38E	201	-	-	-	8	-	-	80	4	-	-	-	12	-	-	-	-	-	-	Wollenberg & others, 1977
Remarks: U <0.3 μg/l, Ba = 190 μg/l, W = 80 μg/l, Br = 35 μg/l, Sb = 180 μg/l, Mo = 13 μg/l, Rb = 120 μg/l, Cs = 115 μg/l, As <5 μg/l, Fe = 950 μg/l, Sc = 0.16 μg/l, Mn = 12 μg/l.																				
pool S36,T32N,R38E	203	-	183	-	7	-	-	89	7	-	-	-	14	-	-	-	-	-	-	Wollenberg & others, 1977
Remarks: U <0.2 μg/l, W = 25 μg/l, Br = 30 μg/l, Sb = 140 μg/l, Mo = 13 μg/l, Rb = 120 μg/l, Cs = 115 μg/l, As = 12 μg/l, Fe <25 μg/l, Sc <0.03 μg/l, Mn = 55 μg/l.																				
spring NE¼NW¼SE¼ S36,T32N,R38E	167	-	-	-	-	-	-	149	-	-	-	-	25	-	-	-	-	-	-	Wollenberg & others, 1975
Remarks: U = 0.10 ppb; W = 84 ppb; Mo = 0.8 ppb; Sb = 9.3 ppb; Ba = 186 ppb.																				
spring NE¼NW¼SE¼ S36,T32N,R38E	167	-	-	-	-	-	-	167	-	-	-	-	27	-	-	-	-	-	-	Wollenberg & others, 1975
Remarks: U = 0.40 ppb; W = 94 ppb; Mo = 0.9 ppb; Sb = 13 ppb; Ba = 286 ppb.																				
spring NE¼NW¼SE¼ S36,T32N,R38E	203	-	-	-	-	-	-	87	-	-	-	-	12	-	-	-	-	-	-	Wollenberg & others, 1975
Remarks: U <0.28 ppb; W = 24 ppb; Mo = 13 ppb; Sb = 134 ppb; Ba = 126 ppb.																				
spring NE¼NW¼SE¼ S36,T32N,R38E	203	-	-	-	-	-	-	89	-	-	-	-	13	-	-	-	-	-	-	Wollenberg & others, 1975
Remarks: U = 0.35 ppb; W = 44 ppb; Mo = 14 ppb; Sb = 156 ppb; Ba = 214 ppb.																				
spring NE¼NW¼SE¼ S36,T32N,R38E	201	-	-	-	-	-	-	77	-	-	-	-	12	-	-	-	-	-	-	Wollenberg & others, 1975
Remarks: U <0.25 ppb; W = 75 ppb; Mo = 13 ppb; Sb = 177 ppb; Ba = 182 ppb.																				
spring NE¼NW¼SE¼ S36,T32N,R38E	174	-	-	-	-	-	-	159	-	-	-	-	26	-	-	-	-	-	-	Wollenberg & others, 1975
Remarks: U = 0.08 ppb; W = 120 ppb; Mo = 1.5 ppb; Sb = 10 ppb; Ba = 166 ppb.																				

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference		
PERSHING COUNTY (continued)																						
[236] Humboldt (Rye Patch) area Phillips Petroleum Co. Campbell E No. 1 well SE¼S21,T31N,R33E spring S20,T30N,R33E	325	—	1977	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	unpublished data, Nevada Bureau of Mines & Geol. Crofut, 1872		
Remarks: Depth — 1853 ft. Geothermal exploratory well.																						
[237] Southwest Dredging Co. well SE¼S34,T29N,R34E	75	2	15May52	20	0.05	50	9.3	33	1.3	210	—	23	29	0.1	2.0	0.18	271	463	7.4	Loeltz & Phoenix, 1955		
Remarks: Depth — 136 ft.																						
[238] Kyle Hot Springs spring SW¼S1,T29N,R36E	171	5	1973	150	—	95	25.5	540	80	544	<1	51	770	5.7	—	3.8	—	3220	6.5	Mariner & others, 1974		
Remarks: Li = 3.1.																						
spring SW¼S1,T29N,R36E	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mariner & others, 1975		
Remarks: Al = 0.013, N = 0.80, P = 0.02, Rb = 0.12, Ce = 0.2, Sr = 0.29, Mn = 0.02, Cu = 0.01, Hg = 0.0006, δD(‰) = -130.0, δO ¹⁸ (‰) = -15.50. Gas (volume %): O ₂ + Ar = 1, N ₂ = 7, CH ₄ = 2, CO ₃ = 90.																						
spring NW¼NW¼S12,T29N,R36E	204	—	20Feb74	155	0.02	97	20	518	80	544	0	47.8	775	6.32	<0.1	—	1968	3312	7.0	Sanders & Miles, 1974		
Remarks: PO ₄ <0.1, NH ₄ = 1.3, Ag <0.02, As = 1.5 μg/l, Ba = .38, Be <0.005, Bi <0.1, Cd = 0.007, Cr <0.02, Cs = 1.60, Cu <0.02, Hg = 0.5 μg/l, Li = 0.667, Mn <0.01, Ni = 0.02, Pb = 0.07, Rb = 0.138, Sb <0.1, Se <1.0 μg/l, Sn <0.05, Sr = 4.93, Zn = 0.021.																						
spring S2,T29N,R36E	100-160	small	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 66		
Remarks: Several springs; sinter deposits; former resort.																						
spring NW¼NW¼S12,T29N,R36E	159	0	25Mar46	53	tr	96	20	—	574	512	—	59	770	—	—	—	—	1970	—	Loeltz & Phoenix, 1955		
spring S12(?)T29N,R36E	138	—	—	155	—	87	—	535	77	—	—	—	730	—	—	—	—	—	—	Wollenberg & others, 1977		
Remarks: (From spring house) U <0.7 μg/l, Ba = 565 μg/l, W = 82 μg/l, Br = 720 μg/l, Sb = 8 μg/l, Mo <2 μg/l, Rb = 760 μg/l, Cs = 340 μg/l, As <20 μg/l, Fe = 290 μg/l, Se <0.04 μg/l, Mn <50 μg/l.																						
spring	—	—	—	—	—	—	—	569	—	—	—	—	721	—	—	—	—	—	—	Wollenberg & others, 1975		
Remarks: U <0.7 ppb; W = 80 ppb; Mo <2 ppb; Sb = 8 ppb; Ba = 550 ppb.																						
[239] Colorado Mineral Materials well SE¼S33,T28N,R32E drill hole NE¼SE¼SE¼ S27,T28N,R32E	150	—	8Oct64	76	0.4	115	19	1700	120	186	0	282	2580	4.1	42	5.4	5040	10200	7.9	Everett & Rush, 1965		
155	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Pruss, Bonham & Spruck, 1961		
Remarks: Hot water reported at 80 ft in a drill hole and in a 30-ft deep shaft about 350 ft to the southwest.																						
[240] well NW¼S2,T27N,R38E	70	—	1May52	36	0.05	—	—	98	6.5	204	0	71	126	0.3	1.1	0.2	505	842	7.6	Cohen & Everett, 1963		
Paris well NW¼S2,T27N,R38E	72	10	24Jul63	39	0.04	46	19	101	6.4	205	0	69	124	0.5	1.3	0.3	503	853	7.9	Cohen & Everett, 1963		
Remarks: Depth — 382 ft.																						
[241] well NW¼S28,T27N,R38E	71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Cohen & Everett, 1963		
Remarks: Depth — 500 ft; artesian flow of 10 gpm reportedly from the gravel-clay contact at 90 feet.																						
[242] Jersey Valley spring SW¼S28,T27N,R40E	84	5	1973	110	—	36	4.4	180	20	374	<1	150	40	7.8	—	1.9	—	1040	7.1	Mariner & others, 1974		
Remarks: Li = 1.2.																						
spring SW¼SW¼S28,T27N,R40E	hot	1	29Jul59	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Cohen & Everett, 1963		
Home Station Ranch Hot Spring SE¼S29,T27N,R40E	135	50	8Jun50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Cohen & Everett, 1963; Johnson, 1977, p. 106		
[243] Sou (Seven Devils, Gilbert's) Hot Springs spring SE¼S29,T26N,R38E	158	—	20Feb74	64	0.30	106	19.8	167	26	324	0	352	77	5.5	0.2	—	978	1411	7.3	Sanders & Miles, 1974		
Remarks: PO ₄ = 0.1, NH ₄ = 1.0, Ag <0.02, As <0.05 μg/l, Ba = .10, Be <0.005, Bi <0.1, Cd <0.01, Cr <0.02, Cs = 1.30, Cu <0.01, Hg <0.5 μg/l, Li = .704, Mn = .042, Ni <0.02, Pb <0.02, Rb = .202, Sb = 0.1, Se <1.0 μg/l, Sn <.05, Sr = 8.37, Zn = .085.																						
spring SE¼S29,T26N,R38E	163	—	1973	65	—	110	22	165	26	312	—	370	75	—	—	—	—	—	—	1407	8.1	Mariner & others, 1974
springs SE¼S29,T26N,R38E	160-185	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Hague & Emmons, 1877; Waring, 1965, No. 68		
Devil's Ranch Springs S29,T26N,R38E	—	—	—	—	—	142	—	165	—	308	—	327	85	—	—	—	—	—	—	Miller, Hardman & Mason, 1953		

128

Same well
so both
3021 deep
This well
not tested in
Cohen & Everett II

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
PERSHING COUNTY (continued)																				
spring T24N,R36E?	—	—	9Mar31	—	—	tr	0	169	—	122	—	88	124	—	—	0.66	—	—	—	Miller, Hardman & Mason, 1953
Remarks: Probably Sou Hot Springs, S29,T26N,R35E.																				
spring S1,T25N,R36E	hot	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 67
Remarks: Near north end of Dixie (Salt Marsh or Osobb) Valley. Section, Township and Range as given in Waring (1965) are probably incorrect.																				
[244] McCoy (J. Saval) springs NW¼S33,T26N,R39E	120	—	28Jul59	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Cohen & Everett, 1963
J. S. Ranch spring SW¼S33,T26N,R39E	119	670	7Jun50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Cohen & Everett, 1963
[245] New York Canyon kaolin deposit																				
drill hole SW¼S1,T25N,R35E	hot	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	K. Papke, personal communication, 1977
Remarks: Depth ≤140 ft. Steam reported in a drill hole at the deposit.																				
[246] Hyder (Cone) Hot Spring SW¼S28,T25N,R38E	83	—	6Jul50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Cohen & Everett, 1963
Hyder Hot Spring SW¼S28,T25N,R38E	175	—	7Jun50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Cohen & Everett, 1963
Remarks: An area of travertine is reported.																				
Hyder (Cone) Hot Spring SW¼S28,T25N,R38E	125	small	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 69
[247] Lower Ranch Hot Spring S½NW¼S16,T25N,R39E	104	—	1973	42	—	31	15	143	12	456	—	63	29	—	—	—	—	850	8.1	Mariner & others, 1974
[248] spring NW¼S19,T25N,R39E	83	50	7Jun50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Cohen & Everett, 1963
STOREY COUNTY																				
[250] hot spring T19N,R23E	73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 58
Remarks: Possibly same as Biddleman Springs.																				
[252] Comstock mining district																				
Ophir shaft SE¼NW¼NE¼ S29,T17N,R21E	—	—	—	38	tr	78	98	19	11	—	76	198	6	—	—	—	—	—	—	Peale, 1886, p. 330
C & C shaft SW¼SE¼NE¼ S29,T17N,R21E	—	—	—	133	6.3	100	5.8	130	53	—	20	475	19	—	—	—	—	—	—	Reid, 1905
Remarks: Al = 0.13. From 2250-ft level.																				
Savage Mine NE¼SE¼SW¼ S29,T17N,R21E	—	—	—	30	—	155	24	7.4	74	—	100	390	1.34	—	—	—	—	—	—	Church, 1878
Remarks: Al + Fe = 0.5 ppm. From 600-ft level.																				
Gould & Curry Mine CS29,T17N,R21E	—	—	—	69	tr	83	—	7.8	225	—	193	203	12	—	—	—	—	—	—	Church, 1878
Remarks: From 1800-ft level.																				
Gould & Curry Mine CS29,T17N,R21E	—	—	—	38	tr	71	—	0.27	63	—	47	173	0.43	—	—	—	—	—	—	Church, 1878
Remarks: From 1700-ft level.																				
Hale & Norcross shaft NW¼S32,T17N,R21E	—	—	—	60	—	112	—	146	82	—	242	273	14	—	—	—	—	—	—	Church, 1878
New Yellow Jacket shaft SW¼SE¼S32,T17N,R21E	170	—	Nov1880	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Becker, 1882, p. 230
Remarks: Maximum water temperature recorded; other temperatures mentioned in text. From 3000-ft level.																				
WASHOE COUNTY																				
[253] spring NW¼S12,T44N,R19E	73	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Sinclair & Malchow, 1963
springs S1¼S12,T44N,R19E	warm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Alkali Lake 7½-minute quad
Remarks: Six springs shown.																				
Hill's Warm Spring SW¼S18,T44N,R20E	80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Sinclair & Malchow, 1963
Hill's Warm Spring S18,T44N,R20E	83	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 35A
[254] Twin (Vya) Spring NW¼S4,T42N,R19E	71	50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Sinclair & Malchow, 1963

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (µmhos/cm)	pH	Reference
WASHOE COUNTY (continued)																				
Twin (Vya) Spring S4,T42N,R19E	70	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 35C
[255] spring T38N,R18E	hot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 36
Remarks: At the south end of Surprise Valley, possibly along the Surprise Valley fault (Slossen, 1974; Woods, 1974), which has extensive associated geothermal activity to the northwest in California.																				
[256] Leadville Springs T37N,R23E	warm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Smith, 1956
[257] "New Spring" S18,T34N,R22E	84	-	-	86	-	32	-	25	7	-	0	-	28	-	-	-	-	-	-	7.8 Grose & Keller, 1975b
spring SE¼S18,T34N,R22E	84	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.0 Grose & Keller, 1975a
Remarks: Five springs aligned roughly north-northeast for a distance of 700 feet along a Quaternary? fault zone. Flows into Squaw Creek.																				
[258] Ward's (Fly Ranch, Hualapai Flat) Hot Springs																				
well SE¼NE¼S23,T35N,R23E	75	-	25Jul67	-	-	34	13	-	61	174	-	61	48	-	-	-	-	440	8.2	Harrill, 1969
well NW¼SE¼S24,T35N,R23E	77	-	28Sep67	-	-	31	13	-	59	172	4	56	38	-	-	-	-	420	8.3	Harrill, 1969
well SW¼NE¼S25,T35N,R23E	70	-	21May67	60	0.02	44	14	35	8.9	178	-	42	46	0.1	1.2	0	339	509	7.3	Harrill, 1969
Remarks: Depth - 158 ft.																				
Richard Bailey well SW¼SW¼S6,T35N,R24E	78	-	-	-	-	1.8	0.9	-	124	166	-	77	44	-	-	-	-	480	8.1	Harrill, 1969
Remarks: Depth - 310 ft; possibly in Pershing County.																				
Cordero Fly No. 1 temperature test hole NW¼SE¼NE¼ S1,T34N,R23E	108	-	14Jun72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	George Berry, written communication, 1972
Remarks: Depth - 660 ft; predominantly in sand.																				
pool H-82 SE¼SW¼NW¼ S1,T34N,R23E	90	-	-	82	-	20	0.2	400	18	440	0	368	245	-	-	-	-	-	-	8.0 Grose & Keller, 1975b
"The Geyser" well (Fly Geyser) SW¼S1,T34N,R23E	>220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Koenig, 1970
Remarks: Depth - shallow.																				
"The Geyser" well (Fly Geyser) SW¼S1,T34N,R23E	boiling	-	3May61	76	-	18	4.6	386	16	336	40	205	250	7.9	0.2	2.1	1170	1840	9.0	Sinclair, 1962b
Remarks: Depth - shallow; has 15 ft high tower of travertine around well bore.																				
spring H-63 NW¼SW¼SW¼ S1,T34N,R23E	180	-	-	86	-	24	0.2	405	15	456	0	390	255	-	-	-	-	-	-	7.2 Grose & Keller, 1975b
Remarks: Travertine terrace.																				
Ward's Hot Spring (Ward's Ranch, Fly Ranch) SW¼S1,T34N,R23E	boiling	-	-	113	-	36	3	355	19	-	tr	390	239	-	-	-	-	-	-	Russell, 1885; Waring, 1965, No. 37
Remarks: Li = tr.																				
Ward's Hot Spring (Ward's Ranch, Fly Ranch) SW¼S1,T34N,R23E	-	500	1961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Sinclair, 1962b
Remarks: Both calcareous and siliceous spring deposits.																				
well H-18 SE¼SE¼NE¼ S2,T34N,R23E	196	-	-	88	-	28	0.2	400	18	452	0	-	245	-	-	-	-	-	-	7.2 Grose & Keller, 1975b
Remarks: Travertine cone.																				
Cottonwood Springs SW¼SW¼S2,T34N,R23E	73-79	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Alvin McLane, written communication
Western Geothermal Inc. Fly Ranch No. 1 well SW¼S2,T34N,R23E	207	440	Jun70	76	-	33	4.3	347	17	436	-	187	244	-	-	-	1667	-	-	Alvin McLane, written communication, 1972
Remarks: Depth - 1000+ ft.																				
Western Geothermal Inc. Fly Ranch No. 1 well SW¼S2,T34N,R23E	207	440	-	-	-	33	4.1	335	13.8	431	-	186	229	-	-	-	1768	-	-	Alvin McLane, written communication, 1972
Remarks: Depth - 1000+ ft; geothermal exploratory well.																				
John Casey steam well NE¼SE¼S2,T34N,R23E	-	-	3May61	76	-	18	4.6	386	16	336	-	205	250	7.9	0.2	2.1	1170	1840	9.0	Harrill, 1969
pool H-50 SE¼NE¼SE¼ S2,T34N,R23E	90	-	-	82	-	17	0.2	430	15	452	0	380	250	-	-	-	-	-	-	8.0 Grose & Keller, 1975b

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
WASHOE COUNTY (continued)																				
pool(?) H-41 SE¼NE¼SE¼ S2,T34N,R23E	92	-	-	90	-	18	0.2	440	16	448	0	380	260	-	-	-	-	-	7.9	Grose & Keller, 1975b
well H-16 SE¼NW¼SE¼ S2,T34N,R23E	201	-	-	90	-	22	0.19	405	18	486	0	245	250	-	-	-	-	-	7.2	Grose & Keller, 1975b
Remarks: Travertine cone.																				
Western Geothermal Inc. Fly Ranch No. 1 well SW¼NE¼SE¼ S2,T34N,R23E	205	-	-	90	-	22	0.2	386	17	458	0	46	275	7	-	2	-	1800	8.4	Grose & Keller, 1975b
Remarks: pH may be 7.2.																				
pool H-8 NW¼NE¼SE¼ S2,T34N,R23E	109	-	-	84	-	18	0.2	405	16	456	0	250	245	-	-	-	-	-	7.5	Grose & Keller, 1975b
pool H-5 NE¼NW¼SE¼ S2,T34N,R23E	88	-	-	88	-	22	0.15	424	17	450	0	-	240	-	-	-	-	-	8.2	Grose & Keller, 1975b
pool H-3 NE¼NW¼SE¼ S2,T34N,R23E	95	-	-	89	-	24	0.2	380	17	458	0	-	240	-	-	-	-	-	8.4	Grose & Keller, 1975b
pool(?) H-1 CW¼S2,T34N,R23E	90	-	-	88	-	28	0.2	380	17	446	0	-	250	-	-	-	-	-	8.4	Grose & Keller, 1975b
"Geyser" well CW¼S2,T34N,R23E	183	-	-	90	-	32	0.18	456	17	484	0	260	260	-	-	-	-	-	8.4	Grose & Keller, 1975b
flowing well S2,T34N,R23E	176	132	1973	82	-	31	4.2	340	17	458	4	46	240	7.0	-	1.9	-	1800	7.9	Mariner & others, 1974
Remarks: Li = 0.46.																				
spring NE¼S10,T34N,R23E	72	-	13Dec61	89	-	72	21	54	10	223	-	67	93	0.1	0.3	0.1	516	755	7.2	Harrill, 1969
spring NE¼S10,T34N,R23E	72	2-3	13Dec61	89	-	72	21	54	10	223	0	67	93	0.1	0.3	0.1	549	755	7.2	Sinclair, 1962b
[259] Granite Ranch																				
Cordero Fly No. 3 temperature test hole NW¼SE¼SE¼ S35,T34N,R23E	hot	-	4Aug72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	George Berry, written communication, 1972; Olmsted & others, 1975, p. 128
Remarks: Depth - 462 ft. Near hot abandoned water well.																				
USGS test hole BR AH-9 NE¼S2,T33N,R23E	hot	-	1973	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Olmsted & others, 1975
Remarks: Depth - 102 ft.																				
[260] Wall Spring																				
S3,T32N,R21E	warm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 41
[261] Gerlach area																				
Cordero Gerlach No. 3 temperature test hole SE¼SE¼SE¼ S9,T32N,R23E	boiling	-	29Jun72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	George Berry, written communication, 1972
Remarks: Depth - 365 ft; hole in granodiorite; top boiling water at 90 ft.																				
spring NE¼S10,T32N,R23E	207	-	-	184	-	73	2.2	1440	121	84	0	386	2150	-	-	-	-	-	7.7	Grose & Keller, 1975b
spring G-3 SW¼SW¼SW¼ S10,T32N,R23E	147	-	-	186	-	80	2.3	1800	130	83	0	-	2430	5.0	-	10	-	-	7.7	Grose & Keller, 1975b
spring G-9 SE¼SW¼SW¼ S10,T32N,R23E	167	-	-	178	-	73	2.0	1560	110	90	0	-	2100	-	-	-	-	-	7.6	Grose & Keller, 1975b
spring G-18 SE¼SW¼SW¼ S10,T32N,R23E	136	-	-	186	-	73	2.5	1560	135	84	0	-	2230	-	-	-	-	7600	8.3	Grose & Keller, 1975b
spring G-19 SE¼SW¼SW¼ S10,T32N,R23E	208	-	-	174	-	95	1.0	1610	140	-	0	-	2100	-	-	-	-	-	7.4	Grose & Keller, 1975b

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (µmhos/cm)	pH	Reference	
WASHOE COUNTY (continued)																					
spring G-22 SE¼SW¼SW¼ S10,T32N,R23E	132	—	—	180	—	75	2.5	1800	128	88	0	—	2400	—	—	—	—	—	8.2	Grose & Keller, 1975b	
"spring" G-23 SE¼SW¼SW¼ S10,T32N,R23E	95	—	—	174	—	150	12	1900	270	10	0	1350	4950	—	—	—	—	27600	4.5	Grose & Keller, 1975b	
Remarks: H ₂ S = 0.5; from mud vent.																					
spring G-24 SE¼SW¼SW¼ S10,T32N,R23E	200	—	—	172	—	73	2.0	1590	135	66	0	360	2880	—	—	—	—	7800	7.6	Grose & Keller, 1975b	
spring G-27 SE¼SW¼SW¼ S10,T32N,R23E	145	—	—	176	—	75	2.2	1590	148	82	0	—	2180	—	—	—	—	—	7.8	Grose & Keller, 1975b	
spring G-28 SE¼SW¼SW¼ S10,T32N,R23E	204	—	—	172	—	68	2.4	1560	134	156	0	410	2180	—	—	—	—	7620	7.1	Grose & Keller, 1975b	
spring NE¼S15,T32N,R23E	145	—	—	182	—	74	1.0	1380	130	74	0	356	1915	—	—	—	—	—	7.6	Grose & Keller, 1975b	
Gerlach Hot Springs (Great Boiling Spring) NW¼NW¼S15,T32N,R23E	—	—	—	135	—	102	26	1476	—	227	0	353	2016	—	—	—	4135	—	—	Sinclair, 1963b	
Gerlach Hot Springs NW¼NW¼S15,T32N,R23E	188-194	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 38	
Gerlach Hot Springs NW¼NW¼S15,T32N,R23E	boiling	200	7May40	199	—	67	5	—	1576	97	0	363	2146	—	—	—	4486	—	—	Adams, 1944	
Remarks: Fe + Al = tr.																					
Great Boiling Spring NW¼S15,T32N,R23E	187	—	1973	165	—	68	1.2	1400	130	83	<1	400	2200	4.5	—	9.9	—	7610	7.2	Mariner & others, 1974	
Remarks: Li = 1.6.																					
spring NW¼S15,T32N,R23E	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mariner & others, 1975	
Remarks: Al = 0.011, N = 0.80, P = 0.10, As = 0.05, Br = 6, I = 0.01, Rb = 0.94, Ce = 0.3, Sr = 2.6, Fc = 0.02, Mn = 0.03, Cu = 0.08, Hg <0.0001, δD(‰) = -100.5, δO ¹⁸ (‰) = -10.83.																					
Gerlach Hot Springs NE¼NW¼NW¼ S15,T32N,R23E	183	—	19Feb74	170	0.09	89	0.98	1548	113	91	0	385	2238	5.5	0.7	—	4596	7830	8.1	Sanders & Miles, 1974	
Remarks: PO ₄ = 0.2, NH ₄ = 0.6, Ag <0.02, As = 3.3µg/l, Ba <0.04, Be <0.005, Bi <0.1, Cd = .01, Cr <0.02, Cs = 4.76, Cu <0.01, Hg = 0.7µg/l, Li = 3.52, Mn = .018, Ni = .05, Pb = .06, Rb = 1.73, Sb = 0.3, Se <1.0µg/l, Sn <0.05, Sr = 0.408, Zn = 0.135. Springs are 1 mile NW of Gerlach. Many springs. Water used for bathing.																					
Gerlach Hot Springs NW¼NW¼S15,T32N,R23E	203	50	6Aug47	—	—	—	—	—	—	—	—	—	2136	—	—	—	—	—	6850	7.1	White, 1955b
spring G-37 NE¼NW¼NW¼ S15,T32N,R23E	149	—	—	192	—	70	2.2	1420	133	—	0	—	2340	—	—	—	—	—	—	7.8	Grose & Keller, 1975b
spring G-43 NE¼NW¼NW¼ S15,T32N,R23E	114	—	—	172	—	69	2.3	1760	130	—	0	356	2230	—	—	—	—	—	—	6.8	Grose & Keller, 1975b
spring G-46 NE¼NW¼NW¼ S15,T32N,R23E	183	—	—	172	—	96	2.3	1360	136	83	0	400	2350	4.8	—	10	—	7600	7.7	Grose & Keller, 1975b	
spring G-55 NE¼NW¼NW¼ S15,T32N,R23E	172	—	—	180	—	73	2.3	1600	140	—	0	360	2130	—	—	—	—	—	7.0	Grose & Keller, 1975b	
Hughes well SE¼S15,T32N,R23E	142	15	6Aug47	—	—	—	—	—	—	—	—	—	1996	—	—	—	—	6600	7.3	White, 1955b	
Remarks: Flowing (1947).																					
well S15(?),T32N,R23E	70	—	6Aug47	—	—	—	—	—	—	—	—	—	2004	—	—	—	—	6600	7.2	White, 1955b	
Remarks: ¾ mi east of Gerlach Hot Springs.																					
spring MS-13 NE¼SW¼S16,T32N,R23E	108	—	—	172	—	50	2.3	1600	131	—	0	—	2400	—	—	—	—	—	—	7.2	Grose & Keller, 1975b
spring MS-2 NE¼(?)SE¼ S16,T32N,R23E	149	—	—	172	—	75	2.8	1530	135	—	0	—	2100	—	—	—	—	—	—	8.2	Grose & Keller, 1975b
spring MS-1 NE¼SE¼S16,T32N,R23E	165	—	—	172	—	174	2.5	1540	134	—	0	—	2075	—	—	—	—	—	—	7.2	Grose & Keller, 1975b
spring MS-9 NW¼SE¼S16,T32N,R23E	184	—	—	165	—	73	2.4	1470	143	—	0	290	2130	—	—	—	—	—	—	7.0	Grose & Keller, 1975b

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference	
WASHOE COUNTY (continued)																					
spring SE¼S16,T32N,R23E	153	—	14Oct66	—	—	66	8.1	1510	—	126	0	400	2100	—	—	—	—	6800	7.9	Glancy & Rush, 1968; Waring, 1965, No. 39	
spring SE¼S16,T32N,R23E	153	—	14Oct66	—	—	66	8.1	510	—	—	—	400	100	—	—	—	—	—	—	CWRR, 1973	
"pool" S16,T32N,R23E	80	0	6Aug47	—	—	—	—	—	—	—	—	—	4500	—	—	—	—	15740	6.3	White, 1955b	
[262] Buffalo Spring S6(?),T31N,R20E	warm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Russell, 1885; Waring, 1965, No. 42	
[263] Rotten Egg Spring S2(?),T29N,R19E	92	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 44	
[264] Round Hole Spring S26(?),T29N,R19E	warm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 45; Russell, 1885	
Byckbrush Spring T29N,R19E	warm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 43	
[265] San Emidio Desert (Mud Flat) wells S9,T29N,R23E	boiling	—	1966	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	T. A. Alberg, written communication, Aug 75	
[266] Jack Bonham Ranch well NE¼S12,T28N,R19E	74	—	13Sep66	—	—	37	2.3	815	—	155	0	528	849	—	—	—	—	3490	8.0	Glancy & Rush, 1968	
Ross Spring S7(?),T28N,R20E	hot	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 46; Russell, 1885	
[267] spring S26,T28N,R23E	187	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Hose & Taylor, 1974	
Boiling Spring SW¼NE¼NE¼ S34,T28N,R23E	warm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 50; Kumiva Peak 15-minute quad	
[268] Fish Spring SE¼SE¼S19,T26N,R19E	73	—	27Jul66	—	—	3.0	3.0	78	—	179	—	—	18	—	—	—	—	328	8.0	Rush & Glancy, 1967; Waring, 1965, No. 48	
[269] The Needle Rocks spring? S12,T26N,R20E	141	—	Aug75	110	—	198	0.3	1040	120	110	0	350	1760	—	—	—	3770	5800	7.8	Grose & Keller, 1975b	
well? S12,T26N,R20E	180	—	Aug75	117	—	163	0.1	1040	120	50	0	335	1950	—	—	—	4615	7100	7.4	Grose & Keller, 1975b	
Western Geothermal Inc. Needles No. 2(?) well CW¼NE¼S12,T26N,R20E	191	—	Dec71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	L. Garside, unpublished data	
spring NE¼NW¼S12,T26N,R20E	208	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 49	
Western Geothermal Needles No. 1 well NW¼SW¼SW¼ S6,T26N,R21E	133	—	1973	110	—	260	0.1	1100	160	24	0	340	1900	3.0	—	6.1	—	6200	8.4	Mariner & others, 1974; The Needle Rocks 7½-minute quad	
Western Geothermal Needles No. 1 well NW¼SW¼SW¼ S6,T26N,R21E	~240	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Koenig, 1970	
The Needles Spring NW¼SW¼SW¼ S6,T26N,R21E	hot	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	The Needle Rocks 7½-minute quad	
Western Geothermal Needles No. 1 well NW¼SW¼SW¼ S6,T26N,R21E	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mariner & others, 1975	
Western Geothermal Needles No. 1 well SE¼SE¼S6,T26N,R21E	153	50	12Oct73	95	0.02	282	0.1	1080	31	11.5	0	338	1841	3	<0.1	—	3676	6072	8.1	Sanders & Miles, 1974	

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
WASHOE COUNTY (continued)																				
Western Geothermal Needles No. 1 (steam geyser) well S6,T26N,R21E	151	—	Aug75	110	—	260	0.1	1100	160	22	0	340	1880	3.0	—	6.1	4225	6500	8.4	Grose & Keller, 1975b
				Remarks: H ₂ S = 0.																
spring(?) S7,T26N,R21E	150	—	Aug75	82	—	315	0.4	1150	280	100	0	330	1850	—	—	—	4680	7200	7.6	Grose & Keller, 1975b
				Remarks: H ₂ S = 2.																
spring T28N(?),R21E	hot	—	—	147	—	272	5	—	1661	78	0	255	2693	—	—	—	5170	—	—	Adams, 1944; Waring, 1965, No. 47
				Remarks: Fe + Al = tr; several springs. Probably in T26N.																
Pyramid Island Hot Spring SW¼NW¼S3,T24N,R22E	—	—	Mar72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	L. Garside, unpublished data
				Remarks: Steam issues from a small crack in the rock about 60 ft above the level of Pyramid Lake on the west face of Pyramid Island; a small amount of water flows from the crack.																
Anaho Island Spring S16(?),T24N,R22E	120	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 52
				Remarks: On Anaho Island.																
[*] Spring SE¼S10,T26N,R23E	63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 51; unpublished data
				Remarks: Along west shore of Winnemucca Lake. Exact location unknown. *Not shown on Plate 1.																
[270] spring E¼S22,T23N,R20E	hot	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Sutcliff 15-minute quad; Reno 1 x 2 degree sheet
				Remarks: Location uncertain.																
[271] Cottonwood Spring S26,T23N,R21E	warm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 53
[272] McCulloch Corp. well SE¼NW¼S7,T22N,R21E	110	—	31Mar67	—	—	16	1	—	154	56	8	168	114	3	2	—	788	—	8.9	CWRR, 1973
[273] spring S21(?),T21N,R24E	warm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 54
				Remarks: Location uncertain; in Dead Ox Canyon 12 mi south of Nixon.																
[*] Well SW¼S23,T20N,R19E	140	—	5Feb58	—	—	50	25	—	—	160	—	126	7.5	—	—	—	—	—	—	Bateman & Scheibach, 1975
				Remarks: Temperature probably incorrect (probably 60°F). *Not shown on Plate 1.																
[*] Well SW¼S27,T20N,R20E	113	—	28Aug60	—	—	54	12.7	77	—	205	—	110	27	—	—	—	486	—	7.7	Bateman & Scheibach, 1975
				Remarks: Temperature probably incorrect (probably 45°F). *Not shown on Plate 1.																
[274] Wedekind Mine	hot	—	1903	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Morris, 1903
				Remarks: Hot, acid water encountered at 213 ft.																
[275] Lawton Hot Springs	120	250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 55
spring S13,T19N,R18E	120	—	11Feb58	46	0	6.2	0.1	117	5.4	12	20	144	57	2.5	0	1.3	361	625	9.0	Cohen & Loeltz, 1964
				Remarks: Al = 0.1, Mn = 0, Li = 0.5, U = 0.1 ppb.																
spring SW¼NE¼S13,T19N,R18E	120	—	—	46	—	8	0.9	—	121	16	18	137	68	—	—	—	429	—	—	Adams, 1944
				Remarks: Fe + Al = 2.																
spring S13,T19N,R18E	140	—	5May70	—	—	0.15	8	—	130	61	16	165	57	2.9	0.4	—	400	—	9.1	R. B. Scheibach, written communication, 1975
				Remarks: As = 0.10.																
artesian well S13,T19N,R18E	78	—	9Aug71	—	—	—	—	—	—	—	—	—	5	—	1	—	—	—	7.0	CWRR, 1973
				Remarks: Depth — 32 ft; PO ₄ = 0.11.																
[276] well S17,T19N,R18E	>90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Anderson, 1909
				Remarks: Depth — 1890 ft; an artesian flow of hot water was reported at 1200 ft; the water rose to within 200 ft of the surface; the well was almost entirely in the lacustrine and fluvial sediments of the Pliocene Coal Valley Formation. Mud from the bottom of the well (an oil test) was brought up through cold water in a bailer and still had a temperature of over 90°F.																
[277] Moana Hot Springs area	74	—	13Feb58	41	0.04	51	7.1	23	2.6	156	0	48	22	0.4	8.5	—	307	436	8.1	Cohen & Loeltz, 1964
				Remarks: Depth — 184 ft; Al = 0, Mn = 0, Li = 0.4, U = 2.9 ppb.																
well SW¼NE¼S22,T19N,R19E	94	—	31Oct58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Nevada Division of Water Resources, unpublished well drilling report
				Remarks: Depth — 460 ft; chief aquifer 325–350 ft.																
Sierra Pacific well SW¼NW¼S13,T19N,R19E	86	—	26Jun31	55	tr	39	12	—	148	193	0	258	30	—	—	—	648	—	—	Cohen & Loeltz, 1964; White, 1964a
				Remarks: Depth — 785 ft; Al = tr.																
Washoe Oil & Development Co. No. 1 well SE¼S21,T19N,R19E	>90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Anderson, 1909
				Remarks: Depth — 1890 ft; an artesian flow of hot water was reported at 1200 ft; the water rose to within 200 ft of the surface; the well was almost entirely in the lacustrine and fluvial sediments of the Pliocene Coal Valley Formation. Mud from the bottom of the well (an oil test) was brought up through cold water in a bailer and still had a temperature of over 90°F.																
well SW¼NE¼S22,T19N,R19E	74	—	13Feb58	41	0.04	51	7.1	23	2.6	156	0	48	22	0.4	8.5	—	307	436	8.1	Cohen & Loeltz, 1964
				Remarks: Depth — 184 ft; Al = 0, Mn = 0, Li = 0.4, U = 2.9 ppb.																
Al Koenig well SW¼SW¼S22,T19N,R19E	94	—	31Oct58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Nevada Division of Water Resources, unpublished well drilling report
				Remarks: Depth — 460 ft; chief aquifer 325–350 ft.																

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (µmhos/cm)	pH	Reference
WASHOE COUNTY (continued)																				
Clark well NW¼NW¼NW¼SW¼ S25,T19N,R19E	146	—	—	93	—	16	0.41	189	5.5	131	—	305	33	4.2	—	1.4	780	1035	8.1	Bateman & Scheibach, 1975
				Remarks: Depth – 225 ft; As = 0.11, Li = 0.14; used for apartment and pool heating.																
Pecknam well NE¼SE¼S25,T19N,R19E	76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	White, 1968
				Remarks: Depth – 700 ft.																
University Farm well SW¼SE¼S25,T19N,R19E	hot	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	White, 1968
				Remarks: Depth – 500 ft.																
Moana Hot Springs S25,T19N,R19E	100-200	—	—	97	—	21	2	—	167	126	0	264	34	—	—	—	661	—	—	Adams, 1944; Waring, 1965, No. 55A
				Remarks: Fe + Al = 2, hot waters utilized locally for bathing.																
Frey well SE¼NE¼S26,T19N,R19E	180+	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	White, 1968
				Remarks: Depth – 464 ft.																
Yates well SE¼NE¼S26,T19N,R19E	168	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	White, 1968
				Remarks: Depth – 197.5 ft.																
Yates well SE¼NE¼S26,T19N,R19E	160	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	White, 1968
				Remarks: Depth – 168 ft.																
Yates well SE¼NE¼S26,T19N,R19E	160	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	White, 1968
				Remarks: Depth – 184 ft.																
Moana well SE¼NE¼S26,T19N,R19E	196+	—	—	—	—	—	—	—	—	—	—	—	52	—	—	—	—	1320	7.9	White, 1968
				Remarks: Depth – 179 ft.																
Moana well SE¼NE¼S26,T19N,R19E	191	—	—	—	—	—	—	—	—	—	—	—	55	—	—	—	—	—	—	White, 1968
				Remarks: Depth – 179 ft.																
Erskine well SW¼NE¼S26,T19N,R19E	78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	White, 1968
				Remarks: Depth – 155 ft.																
Martic well NE¼NE¼S26,T19N,R19E	170	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	White, 1968
				Remarks: Depth – 600 ft.																
Kimberly well NE¼NE¼S26,T19N,R19E	106	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	White, 1968
				Remarks: Depth – 155 ft.																
Parragari well SE¼SW¼NE¼ S26,T19N,R19E	180	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bateman & Scheibach, 1975
				Remarks: Depth – 635 ft; used for home heating.																
Brown well NE¼SW¼SE¼NE¼ S26,T19N,R19E	187	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bateman & Scheibach, 1975
				Remarks: Depth – 200 ft; well is artesian and used for home heating.																
Hobson well NE¼SE¼NE¼ S26,T19N,R19E	185	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	R. B. Scheibach, written communication, 1975
				Remarks: Used for home heating.																
King well SW¼SW¼SE¼NE¼ S26,T19N,R19E	176	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bateman & Scheibach, 1975
				Remarks: Depth – 225 ft; used for home heating.																
well NE¼SE¼SE¼NE¼ S26,T19N,R19E	176	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bateman & Scheibach, 1975
				Remarks: Depth – approx. 200 ft; used for home heating.																
King well SW¼SW¼SE¼NE¼ S26,T19N,R19E	185	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bateman & Scheibach, 1975
				Remarks: Depth – 210 ft; used for home heating.																
Siri well SE¼SW¼NE¼ S26,T19N,R19E	140	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bateman & Scheibach, 1975
				Remarks: Depth – 250 ft; used for home and swimming pool heating.																
Etnyre(?) well SE¼NW¼SE¼NE¼ S26,T19N,R19E	185	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bateman & Scheibach, 1975
				Remarks: Depth – approx. 200 ft; formerly used for pool heating.																
McCulloch well NW¼SW¼SE¼NE¼ S26,T19N,R19E	185	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bateman & Scheibach, 1975
				Remarks: Depth – 360 ft; used for home and pool heating.																
Edmiston well SW¼NW¼SE¼NE¼ S26,T19N,R19E	185	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bateman & Scheibach, 1975
				Remarks: Depth – 300 ft; used for pool heating.																

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (µmhos/cm)	pH	Reference
WASHOE COUNTY (continued)																				
Helms well NE¼SE¼SW¼NE¼ S26,T19N,R19E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Bateman & Scheibach, 1975
Remarks: Warm water well used for pool heating.																				
DeGiovanni well NE¼NW¼SE¼NE¼ S26,T19N,R19E	176	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	R. B. Scheibach, written communication, 1975
Remarks: Depth - 265 ft; used for home heating.																				
Clark well NE¼SW¼SE¼NE¼ S26,T19N,R19E	185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Bateman & Scheibach, 1975
Remarks: Depth - 204 ft; used for home heating.																				
Berrum well SW¼SE¼SE¼NE¼ S26,T19N,R19E	185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Bateman & Scheibach, 1975
Remarks: Depth - 170 ft; was used to heat Moana swimming pool, now used for home heating.																				
Glatly well NE¼NW¼SE¼NE¼ S26,T19N,R19E	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Bateman & Scheibach, 1975
Remarks: Depth - 201 ft; used for home heating.																				
Hill well NW¼SE¼SE¼NE¼ S26,T19N,R19E	185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Bateman & Scheibach, 1975
Remarks: Depth - 197 ft; used for home heating.																				
Drendel well SW¼SE¼NE¼ S26,T19N,R19E	171	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Bateman & Scheibach, 1975
Remarks: Depth - 180 ft; used for home heating.																				
Arbico well SW¼SE¼NE¼ S26,T19N,R19E	185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Bateman & Scheibach, 1975
Remarks: Depth - 318 ft; used for home heating.																				
Matley well SE¼NE¼S26,T19N,R19E	hot	-	16Jul73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Nevada Division of Water Resources, unpublished well drilling report
Remarks: Depth - 250 ft.																				
Gibbons well NE¼SE¼SE¼NE¼ S26,T19N,R19E	172	-	-	103	-	25	0.26	293	8.1	101	-	465	53	6.3	-	1.2	1057	1320	8.2	Bateman & Scheibach, 1975
Remarks: Depth - 310 ft; As = 0.2; used for home heating.																				
Etcheberry well NE¼SE¼NE¼ S26,T19N,R19E	185	-	-	92	-	22	0.8	259	7.2	99	-	478	53	4.8	-	2.1	1012	1430	7.8	Bateman & Scheibach, 1975
Remarks: Depth - 464 ft; As = 0.11, Li = 0.18; artesian well, used for home heating.																				
DeGiovanni well NE¼SE¼NE¼ S26,T19N,R19E	185	-	-	111	-	14	0.2	243	7.7	97	-	448	54	5.1	-	1.9	984	1423	8.4	Bateman & Scheibach, 1975
Remarks: Depth - 245 ft; As = 0.01, Li = 0.19.																				
Upton well NE¼NE¼SE¼NE¼ S26,T19N,R19E	184	-	-	114	-	13	0.2	266	7.6	108	-	463	54	5.1	-	2.1	1033	1454	8.3	Bateman & Scheibach, 1975
Remarks: Depth - 247 ft; As = 0.06, Li = 0.19.																				
old Yates well SE¼SE¼SE¼NE¼ S26,T19N,R19E	194	-	-	102	-	23.4	0.21	243	7.4	86	-	457	50	4.8	-	2.0	975	1367	8.3	Bateman & Scheibach, 1975
Remarks: Depth - 150 ft; As = 0.1, Li = 0.19; used for apartment and pool heating.																				
Terrill well SW¼SW¼SE¼NE¼ S26,T19N,R19E	194	-	-	135	-	29	0.79	203	7.4	146	-	348	42	4.8	-	1.8	918	1185	7.7	Bateman & Scheibach, 1975
Remarks: Depth - 230 ft; As = 0.04, Li = 0.16; used for home heating.																				
McKenzie well SE¼SW¼SE¼NW¼ S26,T19N,R19E	185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Bateman & Scheibach, 1975
Remarks: Depth - 750 ft; used for home and pool heating.																				
Isbell well SW¼NE¼NE¼SW¼ S26,T19N,R19E	199	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Bateman & Scheibach, 1975
Remarks: Depth - 360 ft; used for home and pool heating.																				
Morrey well NE¼SW¼SW¼ S26,T19N,R19E	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Bateman & Scheibach, 1975
Remarks: Depth - 660 ft; used for home heating.																				
well SW¼SE¼S26,T19N,R19E	180	-	25Oct39	95	tr	33	9.0	241	88	tr	478	52	-	-	-	-	980	1327	7.9	Cohen & Loeltz, 1964
Remarks: Depth - 750 ft; Al = tr.																				
well NW¼NW¼SE¼ S26,T19N,R19E	149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Bateman & Scheibach, 1975
Remarks: Depth - approx. 100 ft; used for home heating.																				

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
WASHOE COUNTY (continued)																				
Sutherland well NE¼SW¼S21,T18N,R20E	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	White, 1968
			Remarks: Depth - 50 ft.																	White, 1968
Sutherland well NE¼SW¼S21,T18N,R20E	86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	White, 1968
			Remarks: Depth - 55 ft.																	White, 1968
well S21,T18N,R20E	hot	-	-	-	0.01	0	0		900	268	62	126	1050	2.2	-	-	2676	-	8.5	Nevada Division of Health, unpublished analysis
			Remarks: As = 3.0, Cu = 0.03.																	Nevada Division of Health, unpublished analysis
C. B. Concrete well SW¼NW¼NW¼ S23,T18N,R20E	105	-	8Apr73	-	-	-	-	-	-	-	-	-	-	-	-	-	≈2000	-	-	L. Garside, unpublished data
			Remarks: Depth - 101 ft; perforated 76-96 ft.																	L. Garside, unpublished data
well SW¼NW¼S23,T18N,R20E	106	-	-	152	-	44	12.4	318	27	306	-	147	337	-	-	22.1	1367	1837	7.1	Bateman & Scheibach, 1975
			Remarks: As = 0.28.																	Bateman & Scheibach, 1975
well NW¼S27,T18N,R20E	120	-	2Nov72	-	-	30	3	762	-	388	12	75	950	-	-	-	2230	-	8.3	Bateman & Scheibach, 1975
			Remarks: Depth - 115 ft; As = 0.64.																	Bateman & Scheibach, 1975
McKnight well NE¼SW¼S27,T18N,R20E	83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	White, 1968
			Remarks: Depth - 192.2 ft.																	White, 1968
Isbell well SW¼SW¼S27,T18N,R20E	82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	White, 1968
			Remarks: Depth - 134.7 ft.																	White, 1968
well SW¼SE¼S27,T18N,R20E	85	-	29Mar59	38	0.74	114	36	100	5.8	148	0	508	6.2	0.1	0	0.06	929	1200	7.6	Cohen & Loeltz, 1964
			Remarks: Depth - 195 ft; Al = 0.6, Mn = 0, U = 0.2 ppb.																	Cohen & Loeltz, 1964
well SE¼SE¼SE¼ S27,T18N,R20E	104	-	25Aug59	-	-	98	43	112	-	158	-	504	7	-	-	-	927	-	7.3	Bateman & Scheibach, 1975
																				Bateman & Scheibach, 1975
well SW¼SE¼S33,T18N,R20E	167	-	-	4.7	-	2.0	0.4	69	6.8	146	19	2.3	8.4	-	-	0.1	182	348	9.0	Bateman & Scheibach, 1975
			Remarks: Depth - 258 ft.																	Bateman & Scheibach, 1975
well NW¼SE¼S33,T18N,R20E	198	-	-	222	-	3.9	0.5	605	56	191	104	105	747	1.8	-	24	2066	-	8.6	Bateman & Scheibach, 1975
			Remarks: As = 0.4, Li = 6.0.																	Bateman & Scheibach, 1975
Knox well NE¼SE¼S33,T18N,R20E	86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	White, 1968
			Remarks: Depth - 56 ft.																	White, 1968
Carver well NW¼SE¼S33,T18N,R20E	203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2700	-	White, 1968
			Remarks: Depth - 28.3 ft.																	White, 1968
Steamboat 4 well NW¼SE¼S33,T18N,R20E	311	-	-	-	-	-	-	-	-	-	-	-	702	-	-	-	-	-	-	White, 1968
			Remarks: Depth - 184 ft.																	White, 1968
East Reno well SE¼NW¼S28,T18N,R20E	280	-	-	-	-	-	-	-	-	-	-	-	868	-	-	-	-	-	-	White, 1968
			Remarks: Depth - 156.5 ft.																	White, 1968
West Reno well SE¼NW¼S28,T18N,R20E	280	-	-	-	-	-	-	-	-	-	-	-	898	-	-	-	-	-	-	White, 1968
			Remarks: Depth - 186 ft.																	White, 1968
Reno well SE¼NW¼S28,T18N,R20E	201	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	White, 1968
			Remarks: Depth - 34.3 ft.																	White, 1968
well NW¼SW¼S28,T18N,R20E	293	-	1May50	299	0.01	11	1.0	640	64	337	-	94	836	2.1	-	46	2226	3150	7.6	Cohen & Loeltz, 1964
			Remarks: Depth - 200 ft; Li = 7.6.																	Cohen & Loeltz, 1964
Senges well NW¼SW¼S28,T18N,R20E	294	-	-	-	-	-	-	-	-	-	-	-	826	-	-	-	-	3440	6.4	White, 1968
			Remarks: Depth - 177 ft.																	White, 1968
well NW¼NE¼S28,T18N,R20E	72	-	14May58	61	0.08	34	9.2	83	6.6	241	0	22	73	0.2	5.1	0.03	439	671	7.6	Cohen & Loeltz, 1964
			Remarks: Depth - 80 ft; Al = 0, Mn = 0, Li = 1.1, U = 1.6 ppb.																	Cohen & Loeltz, 1964
Warren well NW¼NE¼S28,T18N,R20E	99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	White, 1968
			Remarks: Depth - 63.1 ft.																	White, 1968
Mount Rose 1 well NE¼NW¼S28,T18N,R20E	250	-	-	-	-	-	-	-	-	-	-	-	824	-	-	-	-	-	-	White, 1968
			Remarks: Depth - 110 ft.																	White, 1968
well SW¼SE¼NW¼ S28,T18N,R20E	167	-	2Aug60	-	-	27	11	630	-	256	-	130	805	1.55	-	-	1862	-	7.1	Bateman & Scheibach, 1975
																				Bateman & Scheibach, 1975
well NE¼NW¼S28,T18N,R20E	271	-	6Mar58	121	0.01	1.4	0	660	68	172	65	130	863	2.5	2.0	17	2230	3360	8.7	Cohen & Loeltz, 1964
			Remarks: Depth - 151 ft; Al = 0, Mn = 0, Li = 10, U = 0.7 ppb.																	Cohen & Loeltz, 1964
Mount Rose 1 well NE¼NW¼S28,T18N,R20E	271	-	-	-	-	-	-	-	-	-	-	-	844	-	-	-	-	3400	7.4	White, 1968
			Remarks: Depth - 159.6 ft.																	White, 1968

Identification number, name, location	Temp. (F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
WASHOE COUNTY (continued)																				
Reno Press Brick well NW¼NW¼S32,T18N,R20E	158	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	White, 1968
Remarks: Depth — 58 ft.																				
Nevada Thermal Power Co. No. 5 well NW¼NW¼S32,T18N,R20E	325	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	White, 1968
Remarks: Depth — 826 ft.																				
U. S. Geological Survey GS-7 well NW¼SE¼S32,T18N,R20E	322	—	—	—	—	—	—	—	—	—	—	—	0.5	—	—	—	—	158	6.7	White, 1968
Remarks: Depth — 407.8 ft.																				
Cox well NW¼SE¼S32,T18N,R20E	136	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	White, 1968
Remarks: Depth — 14.5 ft.																				
spring SW¼NE¼S33,T18N,R20E	hot	—	25May56	125	0	7.8	1.2	665	69	212	62	118	889	2.0	1.0	36.9	2360	3555	8.3	Cohen & Loeltz, 1964
Remarks: Li = 8.3.																				
U. S. Geological Survey GS-8 well NW¼NE¼S33,T18N,R20E	262	—	—	—	—	—	—	—	—	—	—	—	896	—	—	—	—	3300	6.6	White, 1968
Remarks: Depth — 121.8 ft.																				
well NW¼NE¼S33,T18N,R20E	—	—	28Sep68	235	—	2.3	0.4	770	60	300	46	121	999	2.6	—	—	2536	3661	8.7	Bateman & Scheibach, 1975
spring NW¼NE¼S33,T18N,R20E	192	—	Aug49	293	—	5	0.8	653	71	305	—	100	865	1.8	—	49	2354	—	7.9	Bateman & Scheibach, 1975
Remarks: As = 2.7, Li = 7.6.																				
spring NE¼S33,T18N,R20E	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mariner & others, 1975
Remarks: Al = 0.009, Rb = 0.70, Ce = 1.5, Sr = 1.9, Mn = 0.02, Cu = 0.01, Hg = 0.0005, δD(‰) = -116.7, δO ¹⁸ (‰) = -12.16. Gas (volume %): O ₂ + Ar = 2, N ₂ = 6, CH ₄ < 1, CO ₂ = 93.																				
spring NE¼S33,T18N,R20E	201	13	1973	270	—	16	0.7	680	66	364	2	73	837	2.1	—	47	—	3340	7.2	Mariner & others, 1974
Remarks: Li = 7.5.																				
spring SE¼NW¼S33,T18N,R20E	136	—	5Feb57	205	0.08	14	1.9	644	59	328	0	142	790	2.2	0.4	2.2	2130	3240	6.7	Cohen & Loeltz, 1964
Remarks: Al = 0, Mn = 0.05, U < 0.1 ppb.																				
spring NE¼SE¼NW¼S33,T18N,R20E	129	—	27Aug68	245	—	25	0.6	635	65	336	—	141	767	2.2	—	58	2275	2933	7.1	Bateman & Scheibach, 1975
spring NE¼NW¼S33,T18N,R20E	203	—	Jul45	317	—	12	0.5	707	75	292	20	129	949	2.2	—	30	2542	—	8.2	Bateman & Scheibach, 1975
Remarks: As = 1.3, Li = 7.																				
spring NE¼NW¼S33,T18N,R20E	—	—	24Aug73	—	—	—	—	—	—	—	—	—	—	—	—	—	2700	—	—	D. Trexler, written communication, 1973
Remarks: From spring on upper terrace.																				
spring 50 SW¼NW¼S33,T18N,R20E	136	5	5Feb57	79	0.08	14	1.9	644	59	328	0	142	790	2.2	0.4	2.2	2130	3240	—	Scott & Barker, 1962
Remarks: Al = 0; Mn = 0.05; PO ₄ = 2.7; Ra = 0.3 μμc/l; U = < 0.1 ppb.																				
Rodeo well NE¼NW¼S33,T18N,R20E	336	—	—	—	—	—	—	—	—	—	—	—	836	—	—	—	—	3440	7.0	White, 1968
Remarks: Depth — 276.9 ft.																				
U. S. Geological Survey GS-3 well NE¼NW¼S33,T18N,R20E	327	—	—	—	—	—	—	—	—	—	—	—	791	—	—	—	—	3280	6.6	White, 1968
Remarks: Depth 683.6 ft.																				
U. S. Geological Survey GS-4 well NE¼NW¼S33,T18N,R20E	340	—	—	—	—	—	—	—	—	—	—	—	816	—	—	—	—	3180	6.6	White, 1968
Remarks: Depth — 503 ft.																				
U. S. Geological Survey GS-5 well NE¼NW¼S33,T18N,R20E	337	—	—	—	—	—	—	—	—	—	—	—	826	—	—	—	—	3270	6.0	White, 1968
Remarks: Depth — 572 ft.																				
U. S. Geological Survey GS-1 well NW¼SE¼S33,T18N,R20E	314	—	—	—	—	—	—	—	—	—	—	—	817	—	—	—	—	3250	6.1	White, 1968
Remarks: Depth — 398 ft.																				
No. 32 Geysir well NW¼SE¼S33,T18N,R20E	238	—	—	—	—	—	—	—	—	—	—	—	885	—	—	—	—	3335	7.4	White, 1968
Remarks: Depth — 43.2 ft.																				
South Steamboat well SW¼SE¼S33,T18N,R20E	168	—	—	—	—	—	—	—	—	—	—	—	10	—	—	—	—	348	7.4	White, 1968
Remarks: Depth — 258 ft.																				
Steamboat Hot Springs S33,T18N,R20E	—	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Lamke & Moore, 1965
Steamboat Hot Springs S33,T18N,R20E	167-203	825	9Aug49	293	0.05	5.0	0.8	653	71	305	0	100	865	1.8	—	49	—	3210	7.9	White, Hem & Waring, 1963; Waring, 1965, No. 56
Remarks: Al = 0.5, Mn = 0.05, Sr = 0.5, Li = 7.6, As = 2.7, Sb = 0.4, I = 0.1, Br = 0.2, H ₂ S = 4.7.																				

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
WASHOE COUNTY (continued)																				
spring S33,T18N,R20E	—	—	—	—	—	—	—	—	—	—	—	—	—	2.1	—	47	—	—	—	Dunn & Hanson, 1967
Remarks: Spring near highway.																				
Steamboat Hot Springs S33,T18N,R20E	—	—	—	332	—	30	9	790	293	0	237	950	—	—	—	—	2557	—	—	Adams, 1944
Remarks: Fe + Al = tr.																				
Steamboat Springs S28,33,T18N,R20E	—	590	—	—	—	—	—	—	—	—	—	—	900	—	—	—	—	—	—	White, 1964a
well S33,T18N,R20E	284	—	13Sep65	—	2.2	36	5	313	339	—	82	308	—	—	—	—	—	—	—	CWRR, 1973
well S33,T18N,R20E	194	—	22Feb61	—	3.5	53	3	390	337	—	26	490	—	—	—	—	—	—	—	CWRR, 1973
Reno Hot Springs S33,T18N,R20E	hot	—	—	252	—	28	8	832	373	0	125	1044	—	—	—	—	2350	—	—	Adams, 1944; Waring, 1965, No. 55F
Remarks: Fe + Al = tr; drilled wells, former resort.																				
Johnson well SW¼NE¼S34,T18N,R20E	72	—	—	—	—	—	—	—	—	—	—	—	12	—	—	—	—	1947	7.2	White, 1964a
Remarks: Depth - 136.5 ft.																				
well NW¼NW¼S34,T18N,R20E	82	—	11Jun73	—	—	64	16	230	19	200	—	543	43	—	—	—	1117	—	7.2	Bateman & Scheibach, 1975
Frazier well SE¼SW¼S34,T18N,R20E	72	—	—	—	—	—	—	—	—	—	—	—	8.4	—	—	—	—	367	8.0	White, 1964a
Remarks: Depth - 160 ft.																				
well NE¼NE¼SW¼ S34,T18N,R20E	151	—	7Jan63	—	—	66	8.8	5.8	—	158	—	72	5	—	—	—	316	—	7.8	Bateman & Scheibach, 1975
well SW¼S34,T18N,R20E	158	—	22Feb63	—	—	67	18	18	—	242	—	72	6	—	—	—	423	—	7.2	Bateman & Scheibach, 1975
well NE¼SE¼S34,T18N,R20E	122	—	—	—	—	78	40	101	—	95	—	480	6	0.5	—	—	806	—	7.8	Bateman & Scheibach, 1975
well S34,T18N,R20E	85	—	17Apr	—	—	32	8	679	—	361	—	234	750	1.2	—	—	2056	—	7.7	Bateman & Scheibach, 1975
Remarks: Depth - 120 ft.																				
Geysir well T18N,R20E	198	—	—	245	—	15	1.0	667	63	340	0	122	885	—	—	52	2322	—	7.4	White, 1964a
Remarks: Well non-erupting when sampled.																				
Geysir well T18N,R20E	203+	—	—	245	—	11	1.4	728	66	143	100	128	986	—	—	58	2505	—	8.7	White, 1964a
Remarks: Well erupting when sampled.																				
Forest Eccks well T18N,R20E(?)	hot	—	22Oct48	—	—	72	18	115	—	461	—	10	82	—	—	—	—	—	—	Miller, Hardman & Mason, 1953
Remarks: Eight miles south of Reno.																				
Mount Rose Spring(?) T18N,R20E	hot	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 55E
Remarks: Erupting wells; resort; 10 mi south of Reno.																				
Tachino well SW¼SE¼S4,T17N,R20E	99	—	—	—	—	—	—	—	—	—	—	—	3.9	—	—	—	—	256	7.6	White, 1968
Remarks: Depth - 52.3 ft.																				
Tachino well SW¼SE¼S4,T17N,R20E	97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	White, 1968
Remarks: Depth - 24.7 ft.																				
Tachino well SW¼SE¼S4,T17N,R20E	81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	White, 1968
Remarks: Depth - 21.6 ft.																				
Tachino well SW¼SE¼S4,T17N,R20E	72	—	—	—	—	—	—	—	—	—	—	—	5.6	—	—	—	—	256	7.3	White, 1968
Remarks: Depth - 14.8 ft.																				
[279] Pleasant Valley																				
well SE¼S7,T17N,R20E	75	—	—	—	—	24	9	19	—	151	—	3	5	—	—	—	211	—	8.0	Bateman & Scheibach, 1975
Remarks: Depth - 107 ft.																				
well NW¼SW¼S7,T17N,R20E	100	—	1958	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	R. L. Bateman, written communication, 1977
Remarks: Depth - 168 ft.																				
well S7,T17N,R20E	71	—	17Nov70	—	0.26	24	9	19	151	0	3	5	0.13	5.9	—	—	—	—	—	CWRR, 1973
well NW¼NW¼S8,T17N,R20E	81	—	1968	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	R. L. Bateman, written communication, 1977
Remarks: Depth - 194 ft.																				
well NW¼NW¼S8,T17N,R20E	86	—	1972	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	R. L. Bateman, written communication, 1977
Remarks: Depth - 140 ft.																				

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (µmhos/cm)	pH	Reference
WASHOE COUNTY (continued)																				
[280] Bowers Mansion (Franktown) Hot Spring																				
Bowers Mansion, main spring NW¼S3,T16N,R19E	117	—	8Mar54	44	—	2.8	1.0	49	0.4	34	26	35	5.4	—	—	0.2	—	242	9.3	White, Hem & Waring, 1963
			Remarks: Li = 0.08.																	
main spring NW¼S3,T16N,R19E	—	—	—	39	tr	7	0.7	—	54	29	27	37	8	—	—	—	194	—	—	Adams, 1944
			Remarks: Fe + Al = tr.																	
well SW¼NW¼S3,T16N,R19E	75	—	12Oct65	—	—	19	3.3	—	16	103	0	6.0	3.8	—	—	—	—	171	7.8	Rush, 1967
spring NE¼NW¼S3,T16N,R19E	128	76	12Apr66	—	—	2.7	0.4	—	49	78	4	33	6.6	—	—	—	—	236	8.7	Rush, 1967; Waring, 1965, No. 57
			Remarks: Hot waters utilized locally.																	
Bowers Mansion Hot Springs NE¼NW¼S3,T16N,R19E	115-118	75	—	45	—	3.2	10	45	0.6	70	6.0	36	4.0	3.4	0	0.21	180	—	4.2	Feth, Roberson & Polzer, 1964
			Remarks: Li = 0.11, OH = 0.3, PO ₄ = 0.06.																	
spring NW¼S3,T16N,R19E	115	—	—	47	—	2.9	0.2	50	0.6	76	—	38	6.3	2.8	—	0.20	—	243	9.4	Mariner & others, 1975
			Remarks: Li = 0.09, Al = 0.02, Hg = 0.0002, δD(‰) = -102.3, δO ¹⁸ (‰) = -14.79.																	
spring NE¼NW¼S3,T16N,R19E	117	50-75	—	—	—	—	—	—	—	—	—	—	6	—	—	—	—	240	9.4	White, 1968
well S3,T16N,R19E	117	—	—	—	0.02	3	0	—	58	15	34	32	15	3.48	0.5	—	212	—	9.2	unpublished data, Washoe County Park System
			Remarks: As = 0.005.																	
main pool S3,T16N,R19E	80	—	18Jul72	—	0	8	1	—	96	110	0	32	74	1.98	7.2	—	297	—	7.9	unpublished data, Washoe County Park System
spring S3,T16N,R19E	—	—	3Feb77	42	—	2.2	0.01	53	0.5	11.9	37	34	4.7	3.3	—	—	187	250	9.6	unpublished data, CWRR
spring SE¼NW¼NW¼S3,T16N,R19E	104	—	7Mar66	—	0.18	29	8.7	—	32	151	—	24	5	—	27	—	212	—	7.4	CWRR, 1973
[281] well S6,T16N,R20E	78	—	16Dec71	—	0.27	13	—	—	62	120	6	—	7	7	—	—	253	—	8.4	CWRR, 1973
			Remarks: Depth - 80 ft.																	
WHITE PINE COUNTY																				
[282] Collar and Elbow Spring																				
spring S27,T26N,R65E	92	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 94
spring S33,T26N,R65E	92	18	12Aug18	—	—	—	—	—	18	236	0	26	5.3	—	—	—	248	—	—	Clark, Riddell & Meinzer, 1920
			Remarks: A flow rate of 34 gpm reported on Aug. 12, 1918.																	
[283] Shell Oil Co. Steptoe Unit No. 1 well NE¼NE¼S19,T24N,R64E	304	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	unpublished data, Nevada Bureau of Mines & Geology
			Remarks: Depth - 8406 ft; exploratory oil well.																	Snyder, 1963
[284] spring NE¼S31,T24N,R65E	83	450	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
[285] Cherry Creek (Young's) Hot Springs																				
springs S2(?) ,T23N,R63E	118-136	3.6	29Aug18	100	0.12	13	1.1	—	162	375	7.7	17	17	—	0.75	—	518	—	—	Clark, Riddell & Meinzer, 1920; Waring, 1965, No. 95
																				Waring, 1965, No. 96
Shellbourne Hot Springs NW¼NW¼S7,T23N,R63E	124, 135	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
			Remarks: About 100 feet from Cherry Creek Hot Springs.																	
spring S6,T23N,R63E	142	—	—	105	—	12	0.3	150	4.8	380	—	1	16	1.2	—	0.35	—	692	7.8	Mariner & others, 1975
			Remarks: Li = 0.65, Rb = 0.08, Ce = 0.1, Mn = 0.06, δD(‰) = -127.8, δO ¹⁸ = -16.20.																	
John Salvi's Hot Spring S7,T23N,R63E	149	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Hose & Taylor, 1974
			Remarks: Travertine reported.																	Snyder, 1963
spring S8,T23N,R63E	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	“thermal”
[286] Northern Spring Valley																				
Lawrence Henroid water well NE¼S31,T23N,R66E	89	50	22Jun50	—	—	24	7.4	—	34	141	0	22	16	—	—	—	—	309	—	Rush & Kazmi, 1965
			Remarks: Depth - 600 ft.																	

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (μmhos/cm)	pH	Reference
WHITE PINE COUNTY (continued)																				
Hans L. Anderson water well NW¼S31,T23N,R66E	79	5-30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Rush & Kazmi, 1965
			Remarks: Depth - 1040 ft.																	
[287] Giocoechea Warm Springs (Simonsen Warm Springs, Warm Springs Ranch) area																				
springs NE¼NE¼S1,T22N,R56E	74-76	1120	25Oct66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mifflin, 1968
			Remarks: (epm) Na + K = 0.96, Ca + Mg = 4.60, Cl + SO ₄ = 0.91.																	
springs NE¼NE¼S1,T22N,R56E	74	900-1350	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Eakin, 1960
			Remarks: Discharge probably varies seasonally and annually; flow rate of 2700 reported.																	
Moore's Ranch Springs T23N,R56E	65-70	200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 102A
[288] Schellbourne Springs																				
Lower Schellbourne Warm Springs S12,T22N,R64E	77	450	11Sep66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mifflin, 1968
			Remarks: (epm) Na + K = 0.36, Ca + Mg = 4.22, Cl + SO ₄ = 0.37, tritium ≤ 8 T. U.																	
Upper Schellbourne Spring SE¼NW¼S8,T22N,R65E	74	450	11Sep66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mifflin, 1968
			Remarks: (epm) Na + K = 0.17, Ca + Mg = 4.43, Cl + SO ₄ = 0.54, tritium ≤ 8 T. U.																	
[289] Monte Neva (Melvin, Goodrich) Hot Springs																				
spring S24,T21N,R63E	174	—	—	52	0.02	63	21	16	5.6	303	—	26	5.0	1.0	—	0.04	—	—	—	Mariner & others, 1975
			Remarks: Li = 0.07, Rb = 0.03, Cu = 0.01, δD(‰) = -127.8, δO ¹⁸ (‰) = -16.68. Gas (volume %): O ₂ + Ar = 4, N ₂ = 71, CH ₄ = <1, CO ₂ = 26.																	
springs SW¼S24,T21N,R63E	173-193	625	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 98
large spring SW¼S24,T21N,R63E	174	625	21Aug17	54	0.19	67	21	—	26	324	tr	25	6.6	—	0.09	—	349	—	—	Clark, Riddell & Meinzer, 1920
			Remarks: Fe + Al = tr (analysed by Dept. of Food & Drugs, Univ. Nev. Reno).																	
spring NE¼NW¼S25,T21N,R63E	174	620	27Oct66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Adams, 1944
			Remarks: (epm) Na + K = 0.72, Ca + Mg = 4.76, Cl + SO ₄ = 0.86.																	
springs	—	—	—	—	—	—	—	—	—	239	—	—	—	—	—	—	231	—	—	U. S. Bureau of Reclamation, 1972, table 3
Magma Power Co. Monte Neva No. 1 well S24(?),T21N,R63E	190	—	1961	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Koenig, 1970
			Remarks: Depth - 402 ft. Geothermal exploratory well, hot water, no steam.																	
[290] Kern Mountains																				
spring T21N,R70E	warm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waring, 1965, No. 99
[291] Campbell Ranch (North Group) Springs																				
springs SW¼S5,T19N,R63E	76	1350	6Sep17	—	0.2	—	—	60	—	257	62	21	6.2	—	—	—	320	—	—	Clark, Riddell & Meinzer, 1920; Waring, 1965, No. 100
			Remarks: In Oct. 1918, individual springs flowed at rates varying from 112 to 224 gpm.																	
northern spring SW¼S5,T19N,R63E	—	—	9Apr18	32	0.05	52	21	15	—	268	0	20	4.5	—	—	—	268	—	—	Clark, Riddell & Meinzer, 1920
[292] McGill-Schoolhouse zone																				
Schoolhouse Spring NW¼SE¼S3,T18N,R64E	—	450	21May66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mifflin, 1968
			Remarks: (epm) Na + K = 0.58, Ca + Mg = 3.51, Cl + SO ₄ = 0.74.																	
Schoolhouse Spring	76	—	5Jul18	—	—	—	—	24	—	147	6.7	27	9.4	—	—	—	71	—	—	Hardman & Miller, 1934
McGill Warm Springs SE¼NW¼S21,T18N,R64E	76-84	4490	10Apr13	32	0.10	54	21	12	—	267	0	21	4.3	—	1.2	—	266	—	—	Clark, Riddell & Meinzer, 1920; Waring, 1965, No. 101
			Remarks: Flowed 4500 gpm and had temperature of 84°F on 6 Oct 18.																	
McGill Warm Springs SE¼NW¼S21,T18N,R64E	—	4578	29Sep65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mifflin, 1968
			Remarks: (epm) Na + K = 1.01, Ca + Mg = 5.11, Cl + SO ₄ = 3.34.																	
[293] Ely-Lackawanna zone																				
Lackawanna Hot Springs NE¼S3,T16N,R63E	70	135	—	—	—	94	—	29.4	—	155	—	138	20	—	—	—	420	600	8.7	Holmes, 1966, p. 21
Lackawanna Hot Springs NE¼S3,T16N,R63E	90-95	—	21Sep65	—	—	32	25	19	—	148	0	83	10	—	—	—	—	—	—	8.0 Eakin, Hughes & Moore, 1967

Identification number, name, location	Temp. (°F)	Discharge (gpm)	Date	SiO ₂ (ppm)	Fe (ppm)	Ca (ppm)	Mg (ppm)	Na (ppm)	K (ppm)	HCO ₃ (ppm)	CO ₃ (ppm)	SO ₄ (ppm)	Cl (ppm)	F (ppm)	NO ₃ (ppm)	B (ppm)	TDS (ppm)	SC (µmhos/cm)	pH	Reference
WHITE PINE COUNTY (continued)																				
Ely Warm Springs S10,T16N,R63E	85	22	10Apr18	37	0.22	51	23	19		222	0	68	7.5	0.67	-	-	314	-	-	Clark, Riddle & Meinzer, 1920; Waring, 1965, No. 102
[294] Big Blue Spring spring S23,T14N,R56E	warm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 103
[295] Williams Hot Springs springs NE¼S33,T13N,R60E	124, 128	50-185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Maxey & Eakin, 1949; Waring, 1965, No. 103A
[296] Preston Springs Preston Big Spring SW¼NE¼S2,T12N,R61E	70	3900	13Oct66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mifflin, 1968
				Remarks: (epm) Na + K = 0.64, Ca + Mg = 1.18, tritium = ≤8 T. U.																
Preston Big Springs SW¼NE¼S2,T12N,R61E	72	5700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Lamke & Moore, 1965; Waring, 1965, No. 104
Cold Spring SW¼NW¼S12,T12N,R61E	70	780	13Nov66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mifflin, 1968
				Remarks: (epm) Na + K = 0.65, Ca + Mg = 3.47, Cl + SO ₄ = 1.15, tritium = ≤8 T. U.																
Cold Spring SW¼NW¼S12,T12N,R61E	-	630	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Lamke & Moore, 1965
Nicholas Spring SW¼SE¼S12,T12N,R61E	71	1125	13Nov66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mifflin, 1968
				Remarks: (epm) Na + K = 0.64, Ca + Mg = 3.47, Cl + SO ₄ = 1.31, tritium = ≤8 T. U.																
Arnoldson Spring SW¼SE¼S12,T12N,R61E	72	1380	13Nov66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mifflin, 1968
				Remarks: (epm) Na + K = 0.66, Ca + Mg = 2.98, Cl + SO ₄ = 1.28, tritium = ≤9 T. U.																
Nicholas Spring	-	1200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Lamke & Moore, 1965
[297] Southern Spring Valley Bureau of Land Management water well SE¼S35,T13N,R67E	73	7	14Jul64	-	-	18	1.0	16		88	0	5.8	3.5	-	-	-	-	158	-	Rush & Kazmi, 1965
				Remarks: Depth - 396 ft.																
Bureau of Land Management water well NE¼S2,T12N,R67E	75	50	16Jul64	-	-	23	0.9	13		92	0	6.4	5.2	-	-	-	-	161	7.7	Rush & Kazmi, 1965
				Remarks: Depth - 407 ft.																
[*] Warm Sulphur Springs springs T11N,R65E	warm	972	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Waring, 1965, No. 106
				Remarks: At head of Warm Creek. Exact location uncertain. *Not shown on Plate 1.																
[298] Big Spring spring S33,T10N,R70E	61	4571	1966	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Maxey & Mifflin, 1966; Waring, 1965, No. 107A
				Remarks: May be several warm springs in this area.																