

SAMPLE LOCATION	DATE OF COLLECTION (mo./yr.)	TEMPERATURE °C	SILICA (SiO ₂)	CALCIUM (Ca)	MAGNESIUM (Mg)	SODIUM (Na)	POTASSIUM (K)	BICARBONATE (HCO ₃)	CARBONATE (CO ₃)	SULFATE (SO ₄)	CHLORIDE (Cl)	FLUORIDE (F)	NITRATE (as N)	pH	SPECIFIC CONDUCTANCE (µmhos/cm @ 25 °C)	TRITIUM (pCi/liter)	REMARKS
NEVADA																	
15N/57E-33cbd*	11-70	17.0	--	--	--	--	--	--	--	--	--	--	--	--	488	--	Green Spring
14N/56E-14ddc*	11-70	11.0	--	36	17	14 ¹	--	194	0	22	6	--	--	--	365	--	Big Ball Spring
14N/57E-22aaa*	11-70	8.0	--	62	21	26 ¹	--	272	0	38	24	--	--	--	574	--	Birch Spring
13N/55E-6d*	9-68	14.0	--	56	11	23	6.0	245	0	24	18	0.3	1.1	7.7	464	--	Big Louie Spring
13N/55E-20b*	11-70	13.0	--	--	--	--	--	--	--	--	--	--	--	--	344	--	Young Florida
13N/56E-32bac*	6-67	33.0	--	62	22	28	6.5	321	0	47	8.6	0.6	0.0	8.0	587	--	Duckwater Spring
12N/56E-5ab*	10-71	--	--	39	25	83 ¹	--	368	0	62	10	--	--	8.0	704	--	Little Warm Spring
12N/56E-5cbd*	10-71	13.5	--	31	27	43 ¹	--	272	0	48	8	--	--	8.0	551	--	spring
12N/56E-10ccd*	10-71	--	--	22	1	74 ¹	--	196	0	34	18	--	--	8.3	462	--	spring
12N/57E-9bcb*	4-72	15.0	--	24	9	29 ¹	--	148	0	22	12	--	--	8.0	326	--	Bull Creek well
11N/56E-31bca*	8-67	18.0	--	37	5.8	3.6	7.9	160	0	28	23	--	8.3	7.6	368	--	Indian Spring
11N/58E-32bbc*	10-71	13.0	--	36	22	20 ¹	--	230	0	19	11	--	--	7.9	432	--	Pastroni Springs
11N/59E-5ba*	11-70	4.0	--	50	16	8 ¹	--	235	0	8	4	--	--	--	376	--	Little Currant Creek
11N/59E-15ba*	4-69	9.5	--	25	5	12 ¹	--	106	0	14	6	--	--	7.9	220	--	stream
11N/59E-16ba*	7-68	11.0	--	51	13	37 ¹	--	232	0	36	14	--	18	8.0	--	--	Ike Spring
10N/55E-9ac*	9-68	15.0	--	46	2.5	34	2.0	177	0	26	18	0.3	8.7	7.7	405	--	
10N/57E-15add*	4-72	15.0	--	38	18	43 ¹	--	252	0	40	11	--	--	8.0	484	--	
10N/57E-32bbb*	8-67	16.0	--	36	15	31	3.9	193	0	38	15	--	4.2	7.7	429	--	
10N/58E-9bcc*	10-71	13.0	--	84	41	32 ¹	--	489	0	33	10	--	--	8.0	799	--	spring
9N/56E-14bda*	10-71	--	--	47	25	46 ¹	--	262	7	68	16	--	--	8.5	611	--	Trapp Spring well
9N/57E-6dab*	10-71	12.0	--	45	24	92 ¹	--	356	0	90	18	--	--	8.2	772	--	
9N/57E-20cab*	8-67	13.5	--	31	25	43	6.7	218	0	64	25	--	1.6	7.7	501	--	Gravel Ridge well
9N/57E-34add*	4-72	HOT	--	680	0	--	--	51	0	1800	--	--	--	7.2	--	--	Oil well production water. Sodium, 11,000 Chloride, 17,000; Specific conductance, 50,100
9N/57E-35aac*	10-71	--	--	44	22	49 ¹	--	223	0	30	66	--	--	8.3	616	--	
9N/57E-35bad3*	3-72	15.0	--	35	18	28 ¹	--	231	0	21	7	--	--	8.1	411	--	
9N/57E-35bad4*	11-55	--	--	1970	63	7180 ¹	--	29	0	1380	--	--	--	6.8	--	--	Oil well production water Chloride 13,700.
8N/55E-15aaa*	11-65	35.0	--	--	--	--	--	--	--	--	12	--	--	--	694	--	North Spring
8N/55E-15acb	3-80	36	3.0	61	22	51	10	381	0	63	8.9	1.1	<0.1	7.2	440	--	Big Spring
8N/56E-2cba	3-80	14	7.3	14	16	49	8.5	171	0	25	10	0.7	1.0	7.8	310	--	Big well
8N/56E-3acb*	10-71	14.0	--	16	7	55 ¹	--	173	6	20	10	--	--	8.6	371	--	
8N/56E-26bad*	10-71	--	--	6	1	1400 ¹	--	527	30	76	1700	--	--	9.0	6680	--	
8N/57E-7ca*	10-71	--	--	2	0	150 ¹	--	262	23	58	19	--	--	9.0	699	--	
8N/57E-11ddb	3-80	28	2.7	43	25	33	5.8	410	0	37	9.9	0.9	1.0	7.0	628	--	Blue Eagle Spring
8N/57E-22cdc*	10-71	--	--	25	33	37 ¹	--	303	0	16	11	--	--	8.3	530	--	
8N/57E-27aac*	8-54	--	--	25	11	163 ¹	--	439	0	77	16	--	--	7.0	--	--	
7N/55E-16db	3-80	68	5.0	66	16	72	15	434	0	47	--	1.7	<0.1	7.0	825	--	Chimney Hot Spring
7N/55E-28ca*	10-55	60.0	--	12	5	189 ¹	--	410	0	99	16	--	--	8.3	--	--	
7N/56E-2dab*	11-54	109.0	--	7	6	192 ¹	--	293	43	50	68	--	--	9.0	--	--	
7N/57E-28cbd*	10-71	--	--	57	33	35 ¹	--	378	0	25	14	--	--	7.8	686	--	Thorn Spring

* VAN DENBURGH AND RUSH, 1974.
1 SODIUM PLUS POTASSIUM

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WATER QUALITY ANALYSES
RAILROAD VALLEY, NEVADA

MX SITING INVESTIGATION
DEPARTMENT OF THE AIR FORCE - BMO

TABLE
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FUGRO NATIONAL, INC.

SAMPLE LOCATION	DATE OF COLLECTION (mo./yr.)	TEMPERATURE °C	SILICA (SiO ₂)	CALCIUM (Ca)	MAGNESIUM (Mg)	SODIUM (Na)	POTASSIUM (K)	BICARBONATE (HCO ₃)	CARBONATE (CO ₃)	SULFATE (SO ₄)	CHLORIDE (Cl)	FLUORIDE (F)	NITRATE (as N)	pH	SPECIFIC CONDUCTANCE (μmhos/cm @ 25°C)	TRITIUM (pCi/liter)	REMARKS
NEVADA																	
6N/54E-11aa*	10-71	36.5	--	--	--	--	--	--	--	--	17	--	--	--	1200	--	
6N/54E-11dc*	8-67	45.0	--	--	--	--	--	--	--	--	9.8	--	--	--	1070	--	
6N/54E-23bd*	9-68	46.0	--	100	26	120	22	673	0	51	15	2.7	0.2	7.5	1100	--	Abel Spring
6N/56E-5acc	3-80	17	7.4	13	13	48	5.8	176	0	25	5.5	2.3	0.2	--	230	--	
6N/56E-18bdb*	10-71	13.5	--	23	10	41 ¹	--	155	5	40	8	--	--	8.5	374	--	Nyala well
6N/56E-24bdc*	10-71	11.0	--	36	15	16 ¹	--	190	0	22	5	--	--	7.9	362	--	Troy Canyon Creek
6N/56E-27acb*	10-71	13.5	--	40	22	9 ¹	--	237	0	11	3	--	--	8.2	402	--	
6N/57E-1b*	11-70	11.5	--	73	19	18 ¹	--	300	0	43	6	--	--	--	528	--	
5N/55E-32bdd*	10-71	16.0	--	44	5	35 ¹	--	133	0	52	30	--	--	8.0	426	--	
5N/55E-34cdd*	10-71	15.5	--	25	9	22 ¹	--	147	0	18	5	--	--	7.7	286	--	
5N/55E-36ad1*	10-71	10.0	--	44	22	18 ¹	--	242	0	28	9	--	--	8.0	454	--	
5N/56E-35da*	11-70	8.0	--	48	15	8 ¹	--	215	0	15	5	--	--	--	371	--	Hooper Creek
4N/55E-19da*	10-71	--	--	27	3	128 ¹	--	128	0	21	9	--	--	8.0	289	--	
4N/55E-11ca	11-70	9.5	--	62	18	21 ¹	--	242	0	62	9	--	--	--	508	--	Big Creek
3N/52E-3d	3-80	8	--	--	--	--	--	615	48	--	--	--	--	8.9	1110	--	
3N/53E-35bac*	9-68	14.0	--	6.0	0.8	115	8.2	207	0	59	20	12	0.3	7.4	565	--	Ed's well
3N/54E-5bc*	3-72	--	--	6.0	0	160 ¹	--	281	7	80	22	--	--	8.6	787	--	Goat Ranch well
3N/55E-27db*	11-70	7.0	--	--	--	--	--	--	--	--	--	--	--	--	277	--	
2N/52E-7cd*	8-67	14.5	--	62	1.8	26	0.6	216	0	27	11	--	5.8	7.5	427	--	
2N/53E-23cbc*	10-71	19.0	--	31	3	89 ¹	--	219	0	71	19	--	--	8.3	556	--	Sunrise well
1N/52E-22cb*	8-67	20.0	--	43	4.9	40	0.8	204	0	31	9.9	--	3.4	7.9	415	--	Pyramid Spring
1N/53E-3dac*	10-71	--	--	45	4	130 ¹	--	273	0	97	61	--	--	8.1	831	--	East Side well
1N/53E-7adc	3-80	14	10	2.3	<0.1	702	5.7	293	538	475	383	8.5	1.2	10.0	1380	--	Fred's well
1N/53E-27bba*	3-72	20.5	--	11	0	150 ¹	--	283	0	87	20	--	--	8.2	722	--	Last Stand well
1N/53E-31 dcc*	9-68	17.0	--	17	1.8	39	5.0	148	0	7.0	7.2	1.4	0.3	7.8	273	--	Pyramid well
1S/53E-28bda*	3-72	21.0	--	14	1	65 ¹	--	138	0	46	14	--	--	8.1	385	--	Deep well
2S/51E-21d*	8-67	25.0	--	62	5.9	47	2.5	240	0	48	23	0.8	0.1	7.7	533	--	Cedar Spring

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