

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/68E-36cba	8-79	12	17	93	23	42	0.5	340	0	28	66	0.20	1.0	7.1	725	--	Willow Patch Spring. Sample. Collected from discharge pipe.
13N/69E-11cad	8-79	10	4.8	5.9	0.9	1.4	0.3	24	0	<5.0	0.5	0.04	<0.1	8.0	390	--	Lehman Creek
13N/69E-14bbd	8-79	9	7	22	2.5	5.4	0.9	82	0	<5	4	0.15	0.1	7.4	140	--	Roland Spring
13N/70E- 4cdc	8-79	13	15	20	3.1	4.4	0.6	87	0	155	13	1.9	0.3	6.5	145	--	
13N/70E- 9bbd	8-79	13	13	23	3.3	13	1.2	68	0	6	30	0.12	0.2	7.1	170	--	Water contains colliform bacteria according to owner.
13N/70E-10aba	7-79	14	27	19	2.0	10	0.8	75	0	18	3	0.11	0.3	8.5	125	--	
13N/70E-10cad	8-79	13	16	16	1.4	6.7	0.7	78	0	<5	4.0	0.05	0.2	7.6	120	--	Spring
13N/70E-14caa	7-79	15	20	18	1.9	10	0.8	90	0	35	2.3	0.07	0.1	8.2	150	--	
13N/70E-18bdb	7-79	13	7	6.7	1.1	1.8	0.4	28	0	24	0.5	0.06	0.1	7.2	44	--	Baker Creek. Sample collected above cement culvert.
12N/70E-15ccb	8-79	13	7.8	55	8.2	6.0	1.0	210	0	9	6.0	0.12	0.4	7.6	345	--	Spring Creek Spring.
12N/70E-17baa	7-79	14	15	21	2.1	3.6	0.5	88	0	9	1.0	0.06	<0.1	7.9	115	--	Snake Creek
11N/69E-25aba	8-79	11	6	68	30	2.4	0.5	350	0	<5.0	3.0	0.03	1.0	7.4	465	--	South Spring. Sample collected from discharge pipe.
10N/70E-33b*	11-64	18	--	47	20	--	--	238	--	8	3.7	0.2	2.2	7.8	401	--	Big Spring. Tritium Sample collected from discharge pipe.
9N/70E-34d*	11-64	--	--	41	14	20 ¹	--	152	--	40	28	--	--	8.1	383	--	
8N/69E-15b*	11-64	11	--	41	21	23 ¹	--	220	--	35	16	--	--	8.2	419	--	
8N/69E-36a*	11-64	--	--	38	16	29 ¹	--	192	--	36	21	--	--	8.1	397	--	
5N/70E-11daa	8-79	16	55	80	11	27	2.4	310	0	19	23	0.23	<0.1	--	490	--	
UTAH																	
(C-22-19) 6bcd	7-29	13	18	79	33	15	1.8	390	0	21	12	0.06	3.6	6.8	540	--	
(C-22-19) 32ada	8-79	14	12	69	37	11	2.1	220	0	8	2.5	0.11	0.2	7.6	638	--	Clay Spring. Sample collected discharge pipe on west side of road.
(C-23-19) 9*	11-54	14	--	81	32	14 ¹	--	222	--	157	8	--	0.7	7.4	687	--	Burbank Spring.
(C-23-19) 20dbc	9-79	14	40	51	31	35	3.6	260	0	56	44	0.69	0.6	7.7	490	--	
(C-24-20) 1dab	7-79	16	44	29	16	18	3.4	150	0	27	22	0.38	2.3	--	225	--	Needle Point Spring. Sample collected from discharge pipe.
(C-28-19) 36bcc	8-79	16	39	83	7.2	27	0.8	270	0	21	32	0.10	<0.1	7.7	470	--	Ryan Spring
(C-30-20) 26d	8-79	20	59	43	5.1	21	2.8	150	0	11	29	0.13	<0.1	--	335	--	Log Cabin Spring
(C-32-18) 15caa	8-79	10	52	79	17	23	1.6	290	0	16	38	0.25	1.1	--	--	--	Spanish Gorge Spring
(C-32-19) 22ddb	8-79	12	34	35	6.4	13	2.4	150	0	9	11	0.25	1.4	--	250	--	Sample from windmill discharge pipe.
(C-32-20) 24dac	8-79	18	17	35	7.8	11	1.8	140	0	10	15	0.20	<0.1	--	285	--	Canyon Spring

* HOOD AND RUSH, 1965.

1 SODIUM PLUS POTASSIUM

NOTE: SAMPLES FOR WATER QUALITY ANALYSIS COLLECTED DURING FUGRO WATER RESOURCE STUDIES EXCEPT WHERE NOTED. UTAH LOCATIONS BASED ON SALT LAKE BASELINE AND MERIDIAN. NEVADA LOCATIONS BASED ON MT. DIABLO BASELINE AND MERIDIAN.

WATER QUALITY ANALYSES
HAMLIN VALLEY, NEVADA - UTAH

MX SITING INVESTIGATION
 DEPARTMENT OF THE AIR FORCE - BMO

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FUGRO NATIONAL, INC.