

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
UTAH																	
(C-15-13)19aba	8-79	17	8.2	79	48	190	3.0	140	0	83	390	0.14	1.3	7.3	690	--	Tuck Springs
(C-15-14)22ddd	8-79	14	36	17	100	350	20	280	0	186	930	0.62	1.1	7.3	--	--	West Swasy Well
(C-15-16)11abd*	1-76	--	24	33	35	160	9.0	132	0	130	240	0.7	4.2	--	1270	--	Well 58
(C-16-13)33abb	8-79	13	11	58	28	46	1.8	200	0	26	6.1	0.11	1.0	7.4	1750	--	Sinbad Springs
(C-16-15)13bab*	9-74	28	23	71	38	350	37	266	0	330	450	1.1	0.12	--	2400	--	Coyote Springs. Tritium sample collected by Fugro National.
(C-16-15)26cab	8-79	25	24	77	43	240	26	230	0	19	37	0.2	0.1	7.6	1750	--	
(C-16-16)34bcd	8-79	15	31	170	100	72	6.3	320	0	851	90	0.88	19	7.2	3350	--	Indian Trail Well
(C-17-13)4baa	8-79	15	12	75	21	85	1.2	320	0	39	110	0.25	<0.1	7.6	855	--	Wild Horse Spring
(C-17-15)15abc	8-79	28	23	60	33	190	20	220	19	314	280	1.3	0.3	7.8	1550	--	South Tule Spring
(C-17-16)28dbd	8-79	29	16	240	110	170	2.8	264	0	270	640	0.7	0.43	8.0	2700	--	Skunk Spring. Tritium sample collected by Fugro National.
(C-19-14)5adc	8-79	17	17	72	15	98	2.8	280	0	36	130	0.5	<0.1	7.5	2300	--	Painter Spring. Sample collected behind dam.
(C-22-14)1cba*	1-76	--	22	47	33	180	19	297	0	200	170	1.1	0.53	--	1320	--	Ibex Well

* STEPHENS, 1977.

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 TULE VALLEY, UTAH	
MX SITING INVESTIGATION DEPARTMENT OF THE AIR FORCE - BMO	TABLE C1-13
FUGRO NATIONAL, INC.	

TULE VALLEY NORTH

Table 3. Inorganic Water Chemistry.

<u>Time of Collection</u>	1000	0800
<u>Date of Collection</u>	8/23/80	8/27/80
<u>Constituent</u>	<u>Concentration, in mg/l</u>	
Calcium	268	266
Magnesium	69	69
Sodium	90	90
Potassium	11.3	11.6
Chloride	102	103
Sulfate	820	910
Nitrate as N	0.21	0.17
Fluoride	2.8	2.9
Silica	39	39
Dissolved Solids (residue at 180°C)	1660	1665

Analyst: Cranmer Engineering, Inc., Grass Valley, California.