SAMPLE LOCATION	OWNER OR WATER USER	DATE OF COLLECTION (mo - yr)	FIELD DETERMINATIONS					DISSOLVED SOLIDS (see note)	CALCIUM (Ca)	MAGNESIUM (Mg)	SODIUM (Na)	POTASSIUM (K)	SULFATE (SO_4)	CHLORIDE (Cl)	FLUORIDE (F)	NITRATE (as N)	SILICA (SiO_2)	TRITIUM (pCi/liter)	REFERENCES	REMARKS
			TEMPERATURE °C	pH	SPECIFIC CONDUCTANCE (µmhos/cm @ 25°C)	BICARBONATE (HCO_3)	CARBONATE (CO_3)													
10N/52E-23aa	—	5-80	10	7.2	600	254	0	—	66	23	29	1	78	30	0.3	0.1	14	—		Squaw Wells Springs
8N/52E-1bd*	NRC	8-68	56	8.4	773	396	6	587	3.6	0.2	197	5.8	35	21	12	0.7	47	—	1	2279-6500' interval
do	do	8-68	36	8.3	1020	554	9	707	3.4	0.4	204	1.6	37	25	18	0.4	44	—	1	Same interval, 5 days later
do	do	9-68	34	7.7	338	162	0	331	14	0.8	57	12	22	7.7	1.4	5.7	66	—	1	5035-5225' interval
8N/52E-15bc*	NRC	8-68	30	7.4	494	245	0	452	6.6	1.4	115	2.2	39	10	6.4	0.5	28	—	1	3670-3842' interval
do	do	10-68	53	7.5	420	201	0	278	4.4	0.6	94	2.0	24	12	5.2	<0.1	39	—	1	4697-6009' interval
do	do	10-68	33	7.5	434	214	0	293	4.8	0.6	99	2.2	24	14	5.8	<0.1	36	—	1	5490-5810' interval
8N/53E-16ac*	NRC	1-69	22	8.2	315	135	0	266	19	0.6	46	5.6	29	8.8	1.0	6.6	81	—	1	870-890' interval
do	do	1-69	38	9.5	373	116	33	263	3.7	0.1	87	1.4	24	8.3	1.4	2.2	44	—	1	2020-2050' interval

* Only analyses from the uppermost aquifer(s) were used to define areas on the water quality drawings.

References:

1. Dinwiddie and Schroder, 1971

NOTE: SAMPLES FOR WATER QUALITY ANALYSIS COLLECTED BY FUGRO NATIONAL EXCEPT WHERE NOTED. ALL ANALYSIS USED IN mg/l EXCEPT WHERE NOTED. FUGRO NATIONAL ANALYSIS FOR DISSOLVED SOLIDS CALCULATED USING THE RESIDUE - ON - EVAPORATION AT 180 C METHOD. OTHER AUTHORS MAY USE DIFFERENT METHODS. NEVADA LOCATIONS BASED ON MT. DIABLO BASELINE AND UTAH LOCATIONS BASED ON SALT LAKE BASELINE AND MERIDIAN.

WATER QUALITY ANALYSES
BIG SAND SPRINGS VALLEY, NEVADA

MX SITING INVESTIGATION
DEPARTMENT OF THE AIR FORCE — BMO

TABLE C1-2

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