

Table 4. Chemical Analysis of Springs and Creeks Sampled In DVNM

Huffman sample #		152798-01	152798-02	152798-03	152798-04	156498-01	156498-02	156498-03	156498-04	156498-05
Client sample tag #	SPC-	00516972	00516971	00516969	00516970	00516973	00516974	00516975	00516976	00516977
Client sample code		Navel	Upper	Buried	McLean	Willow	Thorndike	Johnnie	Hummingbird	Strozzi
		Spring	Navel	Wagon	Spring	Spring	Spring	Shoshone	Spring	Ranch
ANALYTE	units	(names switched - corrected)						Spring		Spring
pH	units	8.60	8.28	8.19	8.03	7.51	7.74	7.54	7.76	7.35
Spec Conductance	uS/cm	857	1170	36900	11400	697	207	579	438	232
DSRD (180)	mg/l	582	815	31000	8265	502	145	372	317	226
Alkalinity as CaCO3	mg/l	204	346	627	470	176	95	288	131	101
Bicarbonate as HCO3	mg/l	228	422	765	574	214	116	352	159	123
Carbonate as CO3	mg/l	17	<1	<1	<1	<1	<1	<1	<1	<1
Hardness as CaCO3	mg/l	73	172	2680	989	195	91	287	205	52
Bromide	mg/l	0.3	0.3	94	40	0.9	<0.1	1.5	<0.1	1.2
Chloride	mg/l	75	93	12700	3160	68	3.2	17	4.2	8.2
Nitrate as NO3	mg/l	31	22	<1	<1	1.7	<0.1	0.7	<0.1	1
O-phosphate as PO4	mg/l	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Sulfate as SO4	mg/l	125	154	5110	1470	111	13	41	107	12
Ca	mg/l	15	41	135	97	54	32	55	61	16
K	mg/l	7.8	14	717	186	6.6	1.1	1.6	2.3	10
Mg	mg/l	8.9	17	558	175	15	2.5	34	13	2.9
Na	mg/l	168	209	9590	2440	79	7.7	29	14	30
Ag	mg/l	<0.01	<0.01	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01
As	mg/l	0.195	0.162	0.216	0.089	0.004	<0.001	0.001	<0.001	0.003
Ba	mg/l	0.036	0.093	<0.01	0.030	0.070	0.010	0.124	0.001	<0.001
Be	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cd	mg/l	<0.002	<0.002	<0.01	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002
Cr	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cu	mg/l	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005
Fe	mg/l	0.03	0.07	0.03	0.06	0.19	<0.02	0.02	<0.02	<0.02
Hg	mg/l	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Mn	mg/l	<0.002	<0.002	0.04	<0.01	0.220	<0.002	0.179	0.061	<0.002
Ni	mg/l	<0.003	<0.003	<0.01	<0.01	<0.003	<0.003	<0.003	<0.003	<0.003
Pb	mg/l	<0.002	<0.002	<0.05	<0.05	<0.002	<0.002	<0.002	<0.002	<0.002
Sb	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Se	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Si	mg/l	8.5	12	26	45	16	6.8	8.7	8.8	24
Tl	mg/l	<0.002	<0.002	<0.1	<0.1	<0.002	<0.002	<0.002	<0.002	<0.002
Zn	mg/l	<0.01	<0.01	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.01

Table 4. Chemical Analysis of Springs and Creeks Sampled In DVNM

Huffman sample #		166798-01	166798-02	166798-03	166798-04	166798-05	173998-01	173998-02	173998-03	173998-04
Client sample tag #	SPC-	00516978	00516979	00516980	00516981	00516982	00516983	00516984	00516985	00516986
Client sample code		Cordwood Spring	Little Willow Spring	Knoll Spring	Wildrose Spring	Sunrise Canyon Creek Spring	McDonald Spring	Burns #1 Spring	Lime Kiln Spring	Salisbury Spring
ANALYTE	units					Springs				
pH	units	7.18	7.89	7.73	7.56	8.31	7.61	7.65	7.85	8.10
Spec Conductance	uS/cm	254	327	221	1031	695	759	744	736	608
DSRD (180)	mg/l	200	253	191	837	528	507	458	512	463
Alkalinity as CaCO3	mg/l	100	125	71	164	163	218	353	177	164
Bicarbonate as HCO3	mg/l	122	153	87	200	190	264	431	216	200
Carbonate as CO3	mg/l	<1	<1	<1	<1	4	<1	<1	<1	<1
Hardness as CaCO3	mg/l	73	63	49	512	382	239	257	372	26
Bromide	mg/l	<0.1	0.2	<0.1	0.2	0.1	0.8	0.6	<0.1	2.3
Chloride	mg/l	10	16	13	19	10	70	20	10	47
Nitrate as NO3	mg/l	1	0.2	1.6	<0.1	0.1	0.5	3.2	1.1	1.5
O-phosphate as PO4	mg/l	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Sulfate as SO4	mg/l	13	23	17	431	231	59	30	200	52
Ca	mg/l	21	19	14	131	78	62	43	80	6.2
K	mg/l	6.9	7	9.3	7.1	5.3	2.3	1.9	5.0	5.4
Mg	mg/l	4.5	3.5	3.2	44	40	18	33	41	3
Na	mg/l	25	48	30	43	13	71	80	14	138
Ag	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
As	mg/l	0.002	0.002	0.003	0.007	0.003	0.006	0.003	0.002	0.006
Ba	mg/l	<0.001	<0.001	0.002	0.022	0.036	0.067	0.055	0.040	0.009
Be	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cd	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cr	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cu	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fe	mg/l	<0.02	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	0.05
Hg	mg/l	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Mn	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	0.175	0.030	0.007	0.004
Ni	mg/l	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Pb	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Sb	mg/l	<0.001	<0.001	<0.001	0.002	0.001	<0.001	<0.001	0.001	0.001
Se	mg/l	<0.001	<0.001	<0.001	0.001	0.001	<0.001	0.001	<0.001	<0.001
Si	mg/l	24	24	22	13	9.4	22	15	9.5	26
Tl	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Zn	mg/l	<0.01	<0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.02

Table 4. Chemical Analysis of Springs and Creeks Sampled In DVNM

Huffman sample #		173998-05	173998-06	183198-01	183198-02	183198-03	183198-04	183198-05
Client sample tag #	SPC-	00516987	00516988	00516989	00516990	00516991	00516992	00516993
Client sample code		Saratoga	Ibex	Owl Hole	Upper	Anvil	Dripping	Salt
		Spring	Spring	Spring	Emigrant	Spring	Spring	Creek
ANALYTE	units				Spring			
pH	units	8.16	8.42	7.75	7.61	7.67	8.14	7.68
Spec Conductance	uS/cm	4780	2560	10570	1285	481	1453	176400
DSRD (180)	mg/l	3071	1616	7862	900	344	1233	290100
Alkalinity as CaCO3	mg/l	339	443	812	428	173	122	1365
Bicarbonate as HCO3	mg/l	414	540	991	522	211	149	1665
Carbonate as CO3	mg/l	<1	27	<1	<1	<1	<1	<1
Hardness as CaCO3	mg/l	245	147	662	568	157	857	1996
Bromide	mg/l	2.6	1.6	5.5	0.5	<0.1	0.3	250.0
Chloride	mg/l	695	290	1810	73	20	18	191000
Nitrate as NO3	mg/l	4.6	0.2	<0.1	0.2	14	0.2	<10
O-phosphate as PO4	mg/l	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<30
Sulfate as SO4	mg/l	1017	374	2670	210	33	710	34900
Ca	mg/l	34	22	177	86	48	144	78
K	mg/l	32	13	21	2.9	2.9	7.7	8470
Mg	mg/l	36	20	33	64	6.3	85	280
Na	mg/l	977	511	2260	75	35	23	112600
Ag	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
As	mg/l	0.015	0.045	0.288	0.002	<0.001	<0.001	0.353
Ba	mg/l	0.021	0.040	0.027	0.028	0.032	0.029	<0.10
Be	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cd	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cr	mg/l	0.03	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cu	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05
Fe	mg/l	<0.02	0.07	0.08	<0.02	<0.02	<0.02	<0.2
Hg	mg/l	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Mn	mg/l	<0.002	0.017	0.302	0.009	<0.002	0.019	0.439
Ni	mg/l	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.03
Pb	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.02
Sb	mg/l	<0.001	0.008	<0.001	<0.001	<0.001	<0.001	0.003
Se	mg/l	0.002	<0.001	0.001	<0.001	0.001	<0.001	0.011
Si	mg/l	18	18	15	13	12	6.3	1.3
Tl	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.02
Zn	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01