

ID	CHAP	DESCR	GAMMA	U (ppm)	LATDD	LONDD
Study Area A-1: Red Water Pond Road Area						
Church Rock Red Water Pond Road 7-1	Coyote Canyon			39.515	35.66000	-108.50778
Church Rock Red Water Pond Road 14-5	Coyote Canyon	vegetatio		2.311	35.66000	-108.50889
Church Rock Red Water Pond Road 14-7	Coyote Canyon	slightly		1.891	35.66028	-108.50889
Church Rock Red Water Pond Road 15-1	Coyote Canyon			29.702	35.65972	-108.50889
Church Rock Red Water Pond Road 15-7	Coyote Canyon	top edge		1.157	35.66028	-108.50917
Church Rock Red Water Pond Road 16-1	Coyote Canyon	arroyo		26.825	35.66250	-108.50917
Church Rock Red Water Pond Road 16-2B	Coyote Canyon	Drainage		5.047	35.66000	-108.50917
Church Rock Red Water Pond Road 16-5	Coyote Canyon			31.228	35.66000	-108.50917
Church Rock Red Water Pond Road 16-8	Coyote Canyon	drainage		17.220	35.66056	-108.50917
Church Rock Red Water Pond Road 02-13-A	Coyote Canyon	Left sect		5.364	35.66028	-108.50806
Church Rock Red Water Pond Road 02-13-B	Coyote Canyon	central s		65.460	35.66028	-108.50750
Church Rock Red Water Pond Road 02-13-C	Coyote Canyon	triangle		3.543	35.66056	-108.50806
Catherine Duncan Residence 0102	Coyote Canyon	2 inches	48	0.400	35.66388	-108.50968
Catherine Duncan Residence 0108	Coyote Canyon	8 inches	48		35.66388	-108.50968
Red Water Pond Road Site 0102	Coyote Canyon	2 inches,	14		35.66519	-108.50960
Red Water Pond Road Site 0105	Coyote Canyon	5 inches,	14		35.66519	-108.50960
Red Water Pond Road Site 0118	Coyote Canyon	18 inches	14		35.66519	-108.50960
Red Water Pond Road Site 0202	Coyote Canyon	2 inches	14		35.66559	-108.50959
Red Water Pond Road Site 0208	Coyote Canyon	8 inches	14		35.66559	-108.50959
Red Water Pond Road Site 0218	Coyote Canyon	18 inches	14		35.66559	-108.50959
Red Water Pond Rd 0102	Coyote Canyon	2 inches	200	88.740	35.66070	-108.50808
Red Water Pond Rd 0108	Coyote Canyon	8 inches	200	49.170	35.66070	-108.50808
Red Water Pond Rd 0118	Coyote Canyon	18 inches	200	43.520	35.66070	-108.50808
Red Water Pond Rd 0105	Coyote Canyon	36 inches	200	21.900	35.66070	-108.50808
Red Water Pond Rd 0202	Coyote Canyon	2 inches	300		35.65976	-108.50809
Red Water Pond Rd 0208	Coyote Canyon	8 inches	300	74.800	35.65976	-108.50809
Red Water Pond Rd 0218	Coyote Canyon	18 inches	300	51.290	35.65976	-108.50809
Red Water Pond Rd 0236	Coyote Canyon	36 inches	300	72.010	35.65976	-108.50809
Red Water Pond Rd 0302	Coyote Canyon	2 inches	200	41.480	35.65992	-108.50841
Red Water Pond Rd 0308	Coyote Canyon	8 inches	200		35.65992	-108.50841
Red Water Pond Rd 0318	Coyote Canyon	18 inches	200	16.350	35.65992	-108.50841
Red Water Pond Rd 0336	Coyote Canyon	36 inches	200		35.65992	-108.50841
Red Water Pond Rd 0402	Coyote Canyon	2 inches	150	26.990	35.65978	-108.50891
Red Water Pond Rd 0408	Coyote Canyon	8 inches	150	37.060	35.65978	-108.50891
Red Water Pond Rd 0418	Coyote Canyon	18 inches	150	64.070	35.65978	-108.50891
Red Water Pond Rd 0436	Coyote Canyon	36 inches	150	41.860	35.65978	-108.50891
Red Water Pond Rd 0502	Coyote Canyon	2 inches	48	0.930	35.66025	-108.50886
Red Water Pond Rd 0508	Coyote Canyon	8 inches	48		35.66025	-108.50886
Red Water Pond Rd 0518	Coyote Canyon	18 inches	48	0.480	35.66025	-108.50886

Red Water Pond Rd 0526	Coyote Canyon	36 inches	48	0.650	35.66025	-108.50886
Arroyo Red Water Pond Road A	Coyote Canyon	under gri		5.162	35.66111	-108.50861
Arroyo Red Water Pond Rd 0620	Coyote Canyon	2 inches	120	31.990	35.65979	-108.50941
Arroyo Red Water Pond Rd 0608	Coyote Canyon	8 inches	120	42.290	35.65979	-108.50941
Arroyo Red Water Pond Rd 0618	Coyote Canyon	18 inches	120	25.440	35.65979	-108.50941
Arroyo Red Water Pond Rd 0636	Coyote Canyon	36 inches	120	22.530	35.65979	-108.50941
Arroyo Red Water Pond Rd 0702	Coyote Canyon	2 inches	70	21.830	35.66091	-108.50849
Arroyo Red Water Pond Rd 0708	Coyote Canyon	8 inches	70	11.940	35.66091	-108.50849
Arroyo Red Water Pond Rd 0718	Coyote Canyon	18 inches	70	21.520	35.66091	-108.50849
Arroyo Red Water Pond Rd 0736	Coyote Canyon	36 inches	70	38.060	35.66091	-108.50849
Arroyo Red Water Pond Rd 0802	Coyote Canyon	2 inches	48	13.950	35.66215	-108.50689
Arroyo Red Water Pond Rd 0808	Coyote Canyon	8 inches	48	0.800	35.66215	-108.50689
Arroyo Red Water Pond Rd 0818	Coyote Canyon	18 inches	48	10.700	35.66215	-108.50689
Arroyo Red Water Pond Rd 0836	Coyote Canyon	36 inches	48		35.66215	-108.50689
Dam Break Non-Impacted Red Water Pond Rd 0118	Coyote Canyon	18 inches	14	1.64	35.66519	-108.50960
Dam Break Non-Impacted Red Water Pond Rd 0212	Coyote Canyon	12 inches	14	14.12	35.66519	-108.50960
Dam Break Non-Impacted Red Water Pond Rd 0108	Coyote Canyon	8 inches	14	1.39	35.66519	-108.50960
Dam Break Non-Impacted Red Water Pond Rd 0308	Coyote Canyon	8 inches	14	0.30	35.66519	-108.50960
Church Rock Arroyo Pipeline Rd-B	Coyote Canyon	2 draws,		20.539	35.66111	-108.50806
Church Rock Arroyo Pipeline Rd-C	Coyote Canyon	Arroyo ru		23.398	35.66167	-108.50750
Church Rock Arroyo Pipeline Rd-D	Coyote Canyon	1/4 mile		11.823	35.66306	-108.50611

Study Area A-2: Pipeline Road Area

Church Rock Arroyo Pipeline Rd-1	Nahodishgish	70 feet f		1.599	35.66028	-108.49333
Church Rock Arroyo Pipeline Rd-2	Nahodishgish	50 feet f		1.161	35.66028	-108.65972
Church Rock Arroyo Pipeline Rd-3	Nahodishgish	right sid		0.743	35.66028	-108.49278
Church Rock Arroyo Pipeline Rd-4	Nahodishgish	right ban		0.716	35.65917	-108.49250
Church Rock Arroyo Pipeline Rd 0202	Nahodishgish	2 inches	13	0.460	35.61260	-108.55354
Church Rock Arroyo Pipeline Rd 0208	Nahodishgish	8 inches	13	0.670	35.61260	-108.55354

Study Area B: Old Churchrock Mine Road Area

Old Church Rock Mine Rd 01	Churchrock	two inche	13	0.570	35.61249	-108.55312
Old Church Rock Mine Rd 0218	Churchrock	18 inches	13		35.61260	-108.55354
Old Church Rock Mine Rd 0302	Churchrock	2 inches	13	0.560	35.61245	-108.55357
Old Church Rock Mine Rd 0308	Churchrock	8 inches	13	0.680	35.61245	-108.55357
Old Church Rock Mine Rd 0318	Churchrock	18 inches	13	0.520	35.61245	-108.55357

Study Area C: Uphill Road/Lime Ridge/Springstead Area

Becenti Trail 0102	Churchrock	2 inches	17	1.040	35.60147	-108.60816
Becenti Trail 0108	Churchrock	8 inches	17	1.320	35.60147	-108.60816
Becenti Trail 0202	Churchrock	2 inches	13	0.980	35.60148	-108.60826

Pinetree Spring Well-Drainage 0102	Churchrock	lower ter		0.880	35.57154	-108.57771
Pinetree Spring Well-Drainage 0202	Churchrock	lower ter	16	1.240	35.57156	-108.57774
Pinetree Spring Well-Drainage 0302	Churchrock	highest p	17	0.650	35.57158	-108.57780
Pinetree Spring Well-Drainage 0309	Churchrock	highest p	17		35.57158	-108.57780
Pinetree Spring Well-Drainage 0402	Churchrock	Upper ban			35.57169	-108.57733
Pinetree Spring Well-Drainage 0406	Churchrock	6-7 inche			35.57169	-108.57733
Pinetree Spring Well-Drainage 0415	Churchrock	15 inches			35.57169	-108.57733
Pinetree Spring Well-Drainage 0502	Churchrock	2 inches		1.650	35.57181	-108.57179
Pinetree Spring Well-Drainage 0602	Churchrock	2 inches		1.630	35.57189	-108.57730
Pinetree Spring Well-Drainage 0608	Churchrock	8 inches		1.300	35.57189	-108.57730
Pinetree Spring Well-Drainage 0618	Churchrock	18 inches		2.610	35.57189	-108.57730
Springstead Loop-Arroyo 0108	Churchrock	8 inches	16	0.680	35.58927	-108.57682
Springstead Loop-Arroyo 0202	Churchrock	2 inches	16	1.010	35.60585	-108.57694
Springstead Loop-Arroyo 0208	Churchrock	8 inches	16	0.750	35.60585	-108.57694
Springstead Loop-Arroyo 0218	Churchrock	18 inches	16	0.640	35.60585	-108.57694
Springstead Loop-Arroyo 0302	Churchrock	2inches,	16	0.710	35.58904	-108.57705
Springstead Loop-Arroyo 0308	Churchrock	8 inches	16	0.480	35.58904	-108.57705
Springstead Loop-Arroyo 0318	Churchrock	18 inches	16	0.510	35.58904	-108.57705
Uphill Rd/Springstead Wash 0108	Churchrock	250 feet			35.57826	-108.57210
Uphill Rd/Springstead Wash 0118	Churchrock	18 inches			35.57826	-108.57210
Uphill Rd/Springstead Wash 0308	Churchrock	Upper ter			35.57819	-108.57216
Uphill Rd/Springstead Wash 0318	Churchrock	sampled c			35.57819	-108.57216

Puerco River Streambed Sampling Sites

	Church Rock Chapt	2 inches			35.59952	-108.58749
	Church Rock Chapt	2 inches			35.59952	-108.58749
	Church Rock Chapt	8 inches			35.59952	-108.58749
	Church Rock Chapt	18 inches			35.59952	-108.58749
Rio Puerco 566 0102	Church Rock Chapt	2 inches	15		35.61175	-108.55971
Rio Puerco 566 0108	Church Rock Chapt	8 inches	15	0.730	35.61175	-108.55971
Rio Puerco 566 0118	Church Rock Chapt	18 inches	15		35.61175	-108.55971
Rio Puerco 566 0136	Church Rock Chapt	36 inches	15	1.140	35.61175	-108.55971
Rio Puerco 566 0160	Church Rock Chapt	60 inches	15		35.61175	-108.55971
Rio Puerco 566 0202	Church Rock Chapt	taken in	15	0.480	35.61145	-108.55973
Rio Puerco 566 0208	Church Rock Chapt	8 inches	15		35.61145	-108.55973
Rio Puerco 566 0218	Church Rock Chapt	18 inches	15	0.690	35.61145	-108.55973
Rio Puerco 566 0236	Church Rock Chapt	36 inches	15	0.900	35.61145	-108.55973
Rio Puerco 566 0302	Church Rock Chapt	taken in	15	0.500	35.61250	-108.56499
Rio Puerco 566 0308	Church Rock Chapt	8 inches	15	0.880	35.61250	-108.56499
Rio Puerco 566 0318	Church Rock Chapt	18 inches	15	0.850	35.61250	-108.56499
Rio Puerco 566 0336	Church Rock Chapt	36 inches	15	0.810	35.61250	-108.56499

Rio Puerco 566 0346	Church Rock Chapt	46 inches	15	1.930	35.61250	-108.56499
Rio Puerco 566 0402	Church Rock Chapt	taken in	15	0.650	35.61281	-108.56479
Rio Puerco 566 0408	Church Rock Chapt	8 inches	15		35.61281	-108.56479
Rio Puerco 566 0418	Church Rock Chapt	18 inches	15		35.61281	-108.56479
Rio Puerco 566 0436	Church Rock Chapt	36 inches	15		35.61281	-108.56479
Rio Puerco 566 0502	Church Rock Chapt	main chan	15	0.440	35.61281	-108.56222
Rio Puerco 566 0508	Church Rock Chapt	8 inches	15	0.610	35.61281	-108.56222
Rio Puerco 566 0518	Church Rock Chapt	18 inches	15	0.640	35.61281	-108.56222
Rio Puerco 566 0536	Church Rock Chapt	36 inches	15		35.61281	-108.56222
Rio Puerco Largo Residence 0102	Pinedale Chapter	in Rio Puerco	20	0.990	35.63269	-108.52118
Rio Puerco Largo Residence 0108	Pinedale Chapter	in Rio Puerco	20	1.520	35.63269	-108.52118
Rio Puerco Largo Residence 0118	Pinedale Chapter	in Rio Puerco	20	0.940	35.63269	-108.52118
Rio Puerco Largo Residence 0136	Pinedale Chapter	36 inches	20		35.63269	-108.52118

Standing Rock Chapter Sampling Sites

Hildreth Residence 0102	Standing Rock Cha	2 inches,			35.74466	-108.42057
Hildreth Residence 0102	Standing Rock Cha	8 inches,			35.74466	-108.42057
Hildreth Residence 0102	Standing Rock Cha	18 inches			35.74466	-108.42057
Hildreth Residence 0102	Standing Rock Cha	36 inches			35.74466	-108.42057
Well 15T535 0102	Standing Rock Cha	2 inches,			35.74427	-108.42650
Well 15T535 0108	Standing Rock Cha	8 inches			35.74427	-108.42650
Yazzie Residence 0102	Standing Rock Cha	2 inches			35.67408	-108.48155
Yazzie Residence 0202	Standing Rock Cha	2 inches			35.67410	-108.48156
Yazzie Residence 0208	Standing Rock Cha	8 inches		1.040	35.67410	-108.48156
Yazzie Residence 0218	Standing Rock Cha	18 inches		0.380	35.67410	-108.48156
Yazzie Residence 0236	Standing Rock Cha	36 inches		0.350	35.67410	-108.48156

Nahodishgish Chapter (Northern) Sampling Sites

Jim Residence 0102	Nahodishgish Chap	2 inches,			35.74565	-108.32846
Jim Residence 0108	Nahodishgish Chap	8 inches,			35.74565	-108.32846
Jim Residence 0118	Nahodishgish Chap	18 inches			35.74565	-108.32846
Jim Residence 0136	Nahodishgish Chap	36 inches			35.74565	-108.32846
Paul Arviso Residence 0102	Nahodishgish Chap	2 inches			35.75837	-108.31865
Paul Arviso Residence 0108	Nahodishgish Chap	8 inches			35.75837	-108.31865
Paul Arviso Residence 0118	Nahodishgish Chap	18 inches			35.75837	-108.31865
Paul Arviso Residence 0136	Nahodishgish Chap	36 inches			35.75837	-108.31865
Proposed Mill Site 0102	Nahodishgish Chap	2 inches,			35.70929	-108.28639
Proposed Mill Site 0108	Nahodishgish Chap	8 inches,			35.70929	-108.28639
Proposed Mill Site 0118	Nahodishgish Chap	18 inches			35.70929	-108.28639
Exploration Marker 17-4-2-15 0102	Nahodishgish Chap	2 inches			35.72758	-108.30149
Exploration Marker 17-4-2-15 0108	Nahodishgish Chap	8 inches		0.530	35.72758	-108.30149
Exploration Marker 17-4-2-15 0118	Nahodishgish Chap	18 inches		0.790	35.72758	-108.30149

Exploration Marker 17-4-2-15 0136	Nahodishgish Chap	36 inches			35.72758	-108.30149
Exploration Marker 0202	Nahodishgish Chap	2 inches		0.520	35.72914	-108.30012
Exploration Marker 0208	Nahodishgish Chap	8 inches		0.620	35.72914	-108.30012
Exploration Marker 0218	Nahodishgish Chap	18 inches		0.720	35.72914	-108.30012
Exploration Marker 0236	Nahodishgish Chap	36 inches			35.72914	-108.30012
Exploration Marker 0302	Nahodishgish Chap	2 inches		0.310	35.74193	-108.28864
Exploration Marker 0308	Nahodishgish Chap	8 inches			35.74193	-108.28864
Exploration Marker 0318	Nahodishgish Chap	18 inches		0.850	35.74193	-108.28864
Exploration Marker 0336	Nahodishgish Chap	36 inches			35.74193	-108.28864
Flat Top Hill 0102	Nahodishgish Chap	2 inches			35.74984	-108.31549
Flat Top Hill 0108	Nahodishgish Chap	8 inches			35.74984	-108.31549
Flat Top Hill 0118	Nahodishgish Chap	18 inches			35.74984	-108.31549
Flat Top Hill 0136	Nahodishgish Chap	36 inches			35.74984	-108.31549

Pinedale Chapter Sampling Sites

Lobo Valley Rd/ Rio Puerco 0102	Pinedale Chapter	2 inches	17		35.62068	-108.45445
Lobo Valley Rd/ Rio Puerco 0108	Pinedale Chapter	8 inches	17		35.62068	-108.45445
Lobo Valley Rd/ Rio Puerco 0118	Pinedale Chapter	18 inches	17		35.62068	-108.45445
Lobo Valley Rd/ Rio Puerco 0136	Pinedale Chapter	36 inches	17		35.62068	-108.45445
Lewis/Largo Arroyo 0102	Pinedale Chapter	2 inches	14	0.950	35.58336	-108.47796
Lewis/Largo Arroyo 0108	Pinedale Chapter	8 inches	14	0.660	35.58336	-108.47796
Lewis/Largo Arroyo 0118	Pinedale Chapter	18 inches	14	0.780	35.58336	-108.47796
Lewis/Largo Field 0202	Pinedale Chapter	2 inches	12	0.500	35.58509	-108.47812
Lewis/Largo Field 0208	Pinedale Chapter	8 inches	12		35.58509	-108.47812
Lewis/Largo Field 0218	Pinedale Chapter	18 inches	12		35.58509	-108.47812

Y	Y	N7	N8	LATDD	X	X	N12	N13	LONDD	Z
35 39 36	35	39	36.000000	35.66000	108 30 28	108	30	28.00000	-108.50778	2145
35 39 36	35	39	36.000000	35.66000	108 30 32	108	30	32.00000	-108.50889	2142
35 39 37	35	39	37.000000	35.66028	108 30 32	108	30	32.00000	-108.50889	2143
35 39 35	35	39	35.000000	35.65972	108 30 32	108	30	32.00000	-108.50889	2143
35 39 37	35	39	37.000000	35.66028	108 30 33	108	30	33.00000	-108.50917	2153
35 39 45	35	39	45.000000	35.66250	108 30 33	108	30	33.00000	-108.50917	2206
35 39 36	35	39	36.000000	35.66000	108 30 33	108	30	33.00000	-108.50917	2132
35 39 36	35	39	36.000000	35.66000	108 30 33	108	30	33.00000	-108.50917	2143
35 39 38	35	39	38.000000	35.66056	108 30 33	108	30	33.00000	-108.50917	2145
35 39 37	35	39	37.000000	35.66028	108 30 29	108	30	29.00000	-108.50806	2122
35 39 37	35	39	37.000000	35.66028	108 30 27	108	30	27.00000	-108.50750	2167
35 39 38	35	39	38.000000	35.66056	108 30 29	108	30	29.00000	-108.50806	2154
35 39 49.	35	39	49.983000	35.66388	108 30 34	108	30	34.84600	-108.50968	
35 39 49.	35	39	49.983000	35.66388	108 30 34	108	30	34.84600	-108.50968	
35 39 54.	35	39	54.679000	35.66519	108 30 34	108	30	34.54200	-108.50960	
35 39 54.	35	39	54.679000	35.66519	108 30 34	108	30	34.54200	-108.50960	
35 39 54.	35	39	54.679000	35.66519	108 30 34	108	30	34.54200	-108.50960	
35 39 56.	35	39	56.106000	35.66559	108 30 34	108	30	34.52500	-108.50959	
35 39 56.	35	39	56.106000	35.66559	108 30 34	108	30	34.52500	-108.50959	
35 39 56.	35	39	56.106000	35.66559	108 30 34	108	30	34.52500	-108.50959	
35 39 38.	35	39	38.525000	35.66070	108 30 29	108	30	29.08200	-108.50808	
35 39 38.	35	39	38.525000	35.66070	108 30 29	108	30	29.08200	-108.50808	
35 39 38.	35	39	38.525000	35.66070	108 30 29	108	30	29.08200	-108.50808	
35 39 38.	35	39	38.525000	35.66070	108 30 29	108	30	29.08200	-108.50808	
35 39 35.	35	39	35.125000	35.65976	108 30 29	108	30	29.11700	-108.50809	
35 39 35.	35	39	35.125000	35.65976	108 30 29	108	30	29.11700	-108.50809	
35 39 35.	35	39	35.125000	35.65976	108 30 29	108	30	29.11700	-108.50809	
35 39 35.	35	39	35.125000	35.65976	108 30 29	108	30	29.11700	-108.50809	
35 39 35.	35	39	35.720000	35.65992	108 30 30	108	30	30.27000	-108.50841	
35 39 35.	35	39	35.720000	35.65992	108 30 30	108	30	30.27000	-108.50841	
35 39 35.	35	39	35.720000	35.65992	108 30 30	108	30	30.27000	-108.50841	
35 39 35.	35	39	35.720000	35.65992	108 30 30	108	30	30.27000	-108.50841	
35 39 35.	35	39	35.217000	35.65978	108 30 32	108	30	32.07000	-108.50891	
35 39 35.	35	39	35.217000	35.65978	108 30 32	108	30	32.07000	-108.50891	
35 39 35.	35	39	35.217000	35.65978	108 30 32	108	30	32.07000	-108.50891	
35 39 35.	35	39	35.217000	35.65978	108 30 32	108	30	32.07000	-108.50891	
35 39 36.	35	39	36.911000	35.66025	108 30 31	108	30	31.90100	-108.50886	
35 39 36.	35	39	36.911000	35.66025	108 30 31	108	30	31.90100	-108.50886	
35 39 36.	35	39	36.911000	35.66025	108 30 31	108	30	31.90100	-108.50886	

35 39 36.	35	39	36.911000	35.66025	108 30 31	108	30	31.90100	-108.50886
35 39 40	35	39	40.000000	35.66111	108 30 31	108	30	31.00000	-108.50861 2125
35 39 35.	35	39	35.237000	35.65979	108 30 33	108	30	33.86500	-108.50941
35 39 35.	35	39	35.237000	35.65979	108 30 33	108	30	33.86500	-108.50941
35 39 35.	35	39	35.237000	35.65979	108 30 33	108	30	33.86500	-108.50941
35 39 35.	35	39	35.237000	35.65979	108 30 33	108	30	33.86500	-108.50941
35 39 39.	35	39	39.265000	35.66091	108 30 30	108	30	30.55400	-108.50849
35 39 39.	35	39	39.265000	35.66091	108 30 30	108	30	30.55400	-108.50849
35 39 39.	35	39	39.265000	35.66091	108 30 30	108	30	30.55400	-108.50849
35 39 39.	35	39	39.265000	35.66091	108 30 30	108	30	30.55400	-108.50849
35 39 43.	35	39	43.754000	35.66215	108 30 24	108	30	24.79200	-108.50689
35 39 43.	35	39	43.754000	35.66215	108 30 24	108	30	24.79200	-108.50689
35 39 43.	35	39	43.754000	35.66215	108 30 24	108	30	24.79200	-108.50689
35 39 43.	35	39	43.754000	35.66215	108 30 24	108	30	24.79200	-108.50689
35 39 54.679	35	39	54.679000	35.66519	108 30 34.542	108	30	34.54200	-108.50960
36 39 54.679	35	39	54.679000	35.66519	108 30 34.542	108	30	34.54200	-108.50960
37 39 54.679	35	39	54.679000	35.66519	108 30 34.542	108	30	34.54200	-108.50960
38 39 54.679	35	39	54.679000	35.66519	108 30 34.542	108	30	34.54200	-108.50960
35 39 40	35	39	40.000000	35.66111	108 30 29	108	30	29.00000	-108.50806 2145
35 39 42	35	39	42.000000	35.66167	108 30 27	108	30	27.00000	-108.50750 2144
35 39 47	35	39	47.000000	35.66306	108 30 22	108	30	22.00000	-108.50611 2070
35 39 37	35	39	37.000000	35.66028	108 29 36	108	29	36.00000	-108.49333 2093
35 39 37	35	39	37.000000	35.66028	108 39 35	108	39	35.00000	-108.65972 2086
35 39 37	35	39	37.000000	35.66028	108 29 34	108	29	34.00000	-108.49278 2110
35 39 33	35	39	33.000000	35.65917	108 29 33	108	29	33.00000	-108.49250 2125
35 36 45.	35	36	45.355000	35.61260	108 33 12	108	33	12.75300	-108.55354
35 36 45.	35	36	45.355000	35.61260	108 33 12	108	33	12.75300	-108.55354
35 36 44.	35	36	44.950000	35.61249	108 33 11	108	33	11.24300	-108.55312
35 36 45.	35	36	45.355000	35.61260	108 33 12	108	33	12.75300	-108.55354
35 36 44.	35	36	44.830000	35.61245	108 33 12	108	33	12.84700	-108.55357
35 36 44.	35	36	44.830000	35.61245	108 33 12	108	33	12.84700	-108.55357
35 36 44.	35	36	44.830000	35.61245	108 33 12	108	33	12.84700	-108.55357
35 36 05.	35	36	5.275000	35.60147	108 36 29	108	36	29.36000	-108.60816
35 36 05.	35	36	5.275000	35.60147	108 36 29	108	36	29.36000	-108.60816
35 36 05.	35	36	5.316000	35.60148	108 36 29	108	36	29.74400	-108.60826

35 34 17.	35	34	17.550000	35.57154	108 34 39	108	34	39.77300	-108.57771
35 34 17.	35	34	17.607000	35.57156	108 34 39	108	34	39.86100	-108.57774
35 34 17.	35	34	17.681000	35.57158	108 34 40	108	34	40.08700	-108.57780
35 34 17.	35	34	17.681000	35.57158	108 34 40	108	34	40.08700	-108.57780
35 34 18.	35	34	18.066000	35.57169	108 34 38	108	34	38.38200	-108.57733
35 34 18.	35	34	18.066000	35.57169	108 34 38	108	34	38.38200	-108.57733
35 34 18.	35	34	18.066000	35.57169	108 34 38	108	34	38.38200	-108.57733
35 34 18.	35	34	18.499000	35.57181	108 34 18	108	34	18.44900	-108.57179
35 34 18.	35	34	18.800000	35.57189	108 34 38	108	34	38.26600	-108.57730
35 34 18.	35	34	18.800000	35.57189	108 34 38	108	34	38.26600	-108.57730
35 34 18.	35	34	18.800000	35.57189	108 34 38	108	34	38.26600	-108.57730
35 35 21.	35	35	21.375000	35.58927	108 34 36	108	34	36.54300	-108.57682
35 36 21.	35	36	21.056000	35.60585	108 34 36	108	34	36.98300	-108.57694
35 36 21.	35	36	21.056000	35.60585	108 34 36	108	34	36.98300	-108.57694
35 36 21.	35	36	21.056000	35.60585	108 34 36	108	34	36.98300	-108.57694
35 35 20.	35	35	20.545000	35.58904	108 34 37	108	34	37.36400	-108.57705
35 35 20.	35	35	20.545000	35.58904	108 34 37	108	34	37.36400	-108.57705
35 35 20.	35	35	20.545000	35.58904	108 34 37	108	34	37.36400	-108.57705
35 34 41.	35	34	41.724000	35.57826	108 34 19	108	34	19.56900	-108.57210
35 34 41.	35	34	41.724000	35.57826	108 34 19	108	34	19.56900	-108.57210
35 34 41.	35	34	41.498000	35.57819	108 34 19	108	34	19.78700	-108.57216
35 34 41.	35	34	41.498000	35.57819	108 34 19	108	34	19.78700	-108.57216

35 35 58.	35	35	58.275000	35.59952	108 35 14	108	35	14.95600	-108.58749
35 35 58.	35	35	58.275000	35.59952	108 35 14	108	35	14.95600	-108.58749
35 35 58.	35	35	58.275000	35.59952	108 35 14	108	35	14.95600	-108.58749
35 35 58.	35	35	58.275000	35.59952	108 35 14	108	35	14.95600	-108.58749
35 36 42.	35	36	42.290000	35.61175	108 33 34	108	33	34.96700	-108.55971
35 36 42.	35	36	42.290000	35.61175	108 33 34	108	33	34.96700	-108.55971
35 36 42.	35	36	42.290000	35.61175	108 33 34	108	33	34.96700	-108.55971
35 36 42.	35	36	42.290000	35.61175	108 33 34	108	33	34.96700	-108.55971
35 36 42.	35	36	42.290000	35.61175	108 33 34	108	33	34.96700	-108.55971
35 36 41.	35	36	41.237000	35.61145	108 33 35	108	33	35.03200	-108.55973
35 36 41.	35	36	41.237000	35.61145	108 33 35	108	33	35.03200	-108.55973
35 36 41.	35	36	41.237000	35.61145	108 33 35	108	33	35.03200	-108.55973
35 36 41.	35	36	41.237000	35.61145	108 33 35	108	33	35.03200	-108.55973
35 36 44.	35	36	44.989000	35.61250	108 33 53	108	33	53.94600	-108.56499
35 36 44.	35	36	44.989000	35.61250	108 33 53	108	33	53.94600	-108.56499
35 36 44.	35	36	44.989000	35.61250	108 33 53	108	33	53.94600	-108.56499
35 36 44.	35	36	44.989000	35.61250	108 33 53	108	33	53.94600	-108.56499

35 36 44.	35	36	44.989000	35.61250	108 33 53	108	33	53.94600	-108.56499
35 36 46.	35	36	46.103000	35.61281	108 33 53	108	33	53.22600	-108.56479
35 36 46.	35	36	46.103000	35.61281	108 33 53	108	33	53.22600	-108.56479
35 36 46.	35	36	46.103000	35.61281	108 33 53	108	33	53.22600	-108.56479
35 36 46.	35	36	46.103000	35.61281	108 33 53	108	33	53.22600	-108.56479
35 36 46.	35	36	46.098000	35.61281	108 33 43	108	33	43.97900	-108.56222
35 36 46.	35	36	46.098000	35.61281	108 33 43	108	33	43.97900	-108.56222
35 36 46.	35	36	46.098000	35.61281	108 33 43	108	33	43.97900	-108.56222
35 36 46.	35	36	46.098000	35.61281	108 33 43	108	33	43.97900	-108.56222
35 37 57.	35	37	57.696000	35.63269	108 31 16	108	31	16.26500	-108.52118
35 37 57.	35	37	57.696000	35.63269	108 31 16	108	31	16.26500	-108.52118
35 37 57.	35	37	57.696000	35.63269	108 31 16	108	31	16.26500	-108.52118
35 37 57.	35	37	57.696000	35.63269	108 31 16	108	31	16.26500	-108.52118
35 44 40.	35	44	40.783000	35.74466	108 25 14	108	25	14.05100	-108.42057
35 44 40.	35	44	40.783000	35.74466	108 25 14	108	25	14.05100	-108.42057
35 44 40.	35	44	40.783000	35.74466	108 25 14	108	25	14.05100	-108.42057
35 44 40.	35	44	40.783000	35.74466	108 25 14	108	25	14.05100	-108.42057
35 44 39.	35	44	39.389000	35.74427	108 25 35	108	25	35.39500	-108.42650
35 44 39.	35	44	39.389000	35.74427	108 25 35	108	25	35.39500	-108.42650
35 40 26.	35	40	26.695000	35.67408	108 28 53	108	28	53.59200	-108.48155
35 40 26.	35	40	26.761000	35.67410	108 28 53	108	28	53.60700	-108.48156
35 40 26.	35	40	26.761000	35.67410	108 28 53	108	28	53.60700	-108.48156
35 40 26.	35	40	26.761000	35.67410	108 28 53	108	28	53.60700	-108.48156
35 40 26.	35	40	26.761000	35.67410	108 28 53	108	28	53.60700	-108.48156
35 44 44.	35	44	44.329000	35.74565	108 19 42	108	19	42.45600	-108.32846
35 44 44.	35	44	44.329000	35.74565	108 19 42	108	19	42.45600	-108.32846
35 44 44.	35	44	44.329000	35.74565	108 19 42	108	19	42.45600	-108.32846
35 44 44.	35	44	44.329000	35.74565	108 19 42	108	19	42.45600	-108.32846
35 45 30.	35	45	30.122000	35.75837	108 19 07	108	19	7.14400	-108.31865
35 45 30.	35	45	30.122000	35.75837	108 19 07	108	19	7.14400	-108.31865
35 45 30.	35	45	30.122000	35.75837	108 19 07	108	19	7.14400	-108.31865
35 45 30.	35	45	30.122000	35.75837	108 19 07	108	19	7.14400	-108.31865
35 42 33.	35	42	33.445000	35.70929	108 17 10	108	17	10.99800	-108.28639
35 42 33.	35	42	33.445000	35.70929	108 17 10	108	17	10.99800	-108.28639
35 42 33.	35	42	33.445000	35.70929	108 17 10	108	17	10.99800	-108.28639
35 43 39.	35	43	39.280000	35.72758	108 18 05	108	18	5.35300	-108.30149
35 43 39.	35	43	39.280000	35.72758	108 18 05	108	18	5.35300	-108.30149
35 43 39.	35	43	39.280000	35.72758	108 18 05	108	18	5.35300	-108.30149

35 43 39.	35	43	39.280000	35.72758	108 18 05	108	18	5.35300	-108.30149
35 43 44.	35	43	44.898000	35.72914	108 18 00	108	18	0.41700	-108.30012
35 43 44.	35	43	44.898000	35.72914	108 18 00	108	18	0.41700	-108.30012
35 43 44.	35	43	44.898000	35.72914	108 18 00	108	18	0.41700	-108.30012
35 43 44.	35	43	44.898000	35.72914	108 18 00	108	18	0.41700	-108.30012
35 44 30.	35	44	30.961000	35.74193	108 17 19	108	17	19.10600	-108.28864
35 44 30.	35	44	30.961000	35.74193	108 17 19	108	17	19.10600	-108.28864
35 44 30.	35	44	30.961000	35.74193	108 17 19	108	17	19.10600	-108.28864
35 44 30.	35	44	30.961000	35.74193	108 17 19	108	17	19.10600	-108.28864
35 44 59.	35	44	59.432000	35.74984	108 18 55	108	18	55.75600	-108.31549
35 44 59.	35	44	59.432000	35.74984	108 18 55	108	18	55.75600	-108.31549
35 44 59.	35	44	59.432000	35.74984	108 18 55	108	18	55.75600	-108.31549
35 44 59.	35	44	59.432000	35.74984	108 18 55	108	18	55.75600	-108.31549

35 37 14.	35	37	14.448000	35.62068	108 27 16	108	27	16.00800	-108.45445
35 37 14.	35	37	14.448000	35.62068	108 27 16	108	27	16.00800	-108.45445
35 37 14.	35	37	14.448000	35.62068	108 27 16	108	27	16.00800	-108.45445
35 37 14.	35	37	14.448000	35.62068	108 27 16	108	27	16.00800	-108.45445
35 35 00.	35	35	0.088000	35.58336	108 28 40	108	28	40.65900	-108.47796
35 35 00.	35	35	0.088000	35.58336	108 28 40	108	28	40.65900	-108.47796
35 35 00.	35	35	0.088000	35.58336	108 28 40	108	28	40.65900	-108.47796
35 35 06.	35	35	6.317000	35.58509	108 28 41	108	28	41.23600	-108.47812
35 35 06.	35	35	6.317000	35.58509	108 28 41	108	28	41.23600	-108.47812
35 35 06.	35	35	6.317000	35.58509	108 28 41	108	28	41.23600	-108.47812

RWPR0808	8	0.80	900
RWPR0536 (0102)	2	0.65	250
RWPR0518 (0618)	18	0.48	250
RWPR10-102 (0426)	2	0.40	1500
RWPR09-308 (0518)	8	0.30	2100
RWPR-0418	18	1.05	no location
RWPR-0702	2	0.46	no location

n	50
max	88.74
min	0.3
mean	23.64
stdev	22.60291

Summer 2005 Soil Sample Results (all values in parts per million [ppm])

Revised 4/3/06

USU Case # Sample ID	Soil Ref. Values (ppm)	Max. Allowable Soil Levels (ppm)	YR Cornfield			DP-E Dalton Pass Exploration						
			L06-0125 Soil YR Cornfield 0208	L06-0125 Soil Y Cornfield 0218	L06-0125 Soil YR-R 0236	L06-0125 Soil DP-E 0118	L06-0125 Soil DP-E 0318	L06-0125 Soil DP-E 0218	L06-0125 Soil DP-E 0108	L06-0125 Soil DP-E 0208	L06-0125 Soil DP-E 0202	L06-0125 Soil DP-E 0302
Ag			0.08	0.04	0.05	0.05	0.02	0.08	0.04	0.10	0.09	0.03
Al			2794.01	1393.03	1565.65	4211.32	3667.06	6483.43	3693.97	10866.21	9310.69	3727.21
As			3.76	2.81	2.31	6.79	3.00	10.03	6.17	9.73	8.35	2.92
B			2.36	0.45	0.19	0.95	0.24	1.76	0.85	0.47	0.21	0.02
Ba			98.31	48.12	43.27	148.06	54.46	76.53	83.17	130.33	100.80	52.40
Be			0.69	0.32	0.28	0.52	0.33	0.72	0.45	1.09	0.91	0.37
Ca			3535.01	1053.55	1128.14	93542.11	65177.32	38645.67	37076.67	6480.17	5856.07	10680.50
Cd	0.1-1.0	3.0	0.17	0.88	0.07	0.06	0.05	0.09	0.06	0.11	0.14	0.06
Co	1.0-10.0	50.0	4.74	3.01	2.21	4.93	5.04	6.59	4.12	7.48	6.71	3.72
Cr	2.0-50.0	100.0	3.56	1.85	1.88	6.71	6.50	9.57	5.48	13.49	11.10	4.88
Cu	1.0-100.0	100.0	9.92	3.86	3.74	5.29	4.40	11.26	6.16	13.98	12.35	4.95
Fe			7516.32	5770.90	4376.73	19223.08	12286.33	21357.94	12963.67	28202.65	20887.43	8865.13
K			1237.83	547.76	535.84	719.06	614.51	1280.63	811.51	3102.22	3253.04	976.04
Li			4.64	2.35	2.59	7.38	5.74	11.26	5.92	13.94	10.85	4.58
Mg			1135.31	502.71	605.68	8678.37	8815.60	7470.14	5054.29	3981.96	4064.89	2769.88
Mn			154.63	105.27	69.73	247.15	312.26	166.02	178.52	301.77	314.82	198.66
Mo			0.46	0.21	0.09	0.18	0.19	0.48	0.23	0.12	0.10	0.06
Na			14.29	10.66	19.35	138.49	85.74	349.97	12.71	115.43	29.24	16.32
Ni	2.0-5.0	50.0	6.82	3.49	3.05	10.06	8.40	13.46	8.29	15.58	13.34	6.02
P			261.71	166.05	137.77	362.86	411.46	625.06	360.15	439.01	443.18	299.60
Pb	0.1-20.0	100.0	9.93	5.60	5.70	6.47	5.12	11.82	7.50	15.66	14.10	6.08
Sb			0.10	0.01	<0.01	<0.01	<0.01	0.09	0.01	<0.01	<0.01	<0.01
Se			0.54	0.29	0.23	0.35	0.46	0.60	0.37	0.69	0.50	0.18
Si			200.01	133.07	145.84	681.47	266.61	293.05	201.48	233.89	221.54	143.62
Sn			<0.01	<0.01	<0.01	0.02	0.05	0.02	<0.01	<0.01	0.01	0.01
Sr			46.35	18.82	22.28	137.88	126.34	43.78	52.21	24.08	19.39	19.13
Tl			0.10	0.06	0.05	0.07	0.04	0.10	0.07	0.15	0.13	0.05
U	<1.0-12.0		1.04	0.38	0.35	0.79	0.85	0.72	0.53	0.62	0.52	0.31
V			8.55	5.64	4.59	16.91	15.06	17.69	11.78	22.91	18.35	10.11
Zn	3.0-50.0	300.0	34.00	20.05	16.92	35.91	34.11	57.45	32.27	69.96	58.76	30.49

Value >upper end of Soil Reference values

USU Case # Sample ID	Old Church Rock Mine Road							Pinedale: Lewis/Largo				
	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	
	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
	OCRMR 0208	OCRMR 0248	OCRMR 0302	OCRMR 0318	OCRMR 01	OCRMR 0308	OCR 0202	LL-Pinedale 0118	LL-P-0202	Louis Largo 0108	LL MM 0102	
Ag	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.06	0.10	0.54	0.09	
Al	1830.62	1000.72	986.41	850.36	1338.82	1106.70	1402.94	4146.22	1944.83	2807.50	3028.74	
As	1.65	1.51	2.12	1.19	1.69	1.70	1.43	0.98	0.84	1.03	0.98	
B	3.11	1.18	1.15	0.64	0.54	2.32	1.78	1.09	0.77	0.92	1.42	
Ba	38.35	18.77	20.98	17.01	25.95	15.12	27.30	148.64	43.27	80.99	58.30	
Be	0.25	0.13	0.15	0.12	0.17	0.16	0.16	0.45	0.19	0.30	0.36	
Ca	6950.13	4745.02	6803.22	3514.25	6140.29	5254.10	5976.68	35078.93	11010.47	18981.20	16807.08	
Cd	0.05	0.03	0.04	0.02	0.03	0.03	0.03	0.06	0.04	0.04	0.04	
Co	2.55	1.27	1.72	1.05	1.43	1.36	1.63	2.79	1.32	1.79	1.91	
Cr	1.66	0.87	0.97	0.75	1.10	1.00	1.16	1.57	0.84	1.37	1.28	
Cu	3.09	1.32	1.65	1.61	1.64	1.52	1.78	4.91	2.08	2.84	3.02	
Fe	4291.05	3132.46	4526.34	3667.25	4064.23	4960.37	3842.63	5258.83	2853.58	4661.67	4524.04	
K	499.33	277.41	289.60	219.53	333.38	267.18	361.77	952.61	849.22	731.85	697.93	
Li	2.91	1.75	1.85	1.65	2.01	1.73	2.57	4.41	2.19	3.40	3.85	
Mg	859.48	461.59	384.45	356.95	589.46	443.11	623.32	2055.26	800.90	1219.56	1296.75	
Mn	137.25	102.94	142.80	91.65	105.90	125.39	142.90	321.46	166.92	243.13	239.73	
Mo	0.20	0.12	0.10	0.09	0.05	0.22	0.11	0.04	0.02	0.03	0.05	
Na	17.25	12.86	18.05	9.50	17.12	14.12	18.75	46.86	15.28	24.92	10.62	
Ni	2.60	1.44	1.69	1.26	1.62	1.77	1.79	3.69	1.57	2.37	2.31	
P	164.65	103.25	113.34	133.98	119.29	132.27	124.09	258.79	224.66	199.67	245.16	
Pb	3.98	2.45	2.67	1.94	2.91	2.04	3.04	5.69	2.87	4.44	4.29	
Sb	0.04	0.01	<0.01	<0.01	<0.01	0.04	0.01	<0.01	<0.01	<0.01	<0.01	
Se	0.24	0.11	0.15	0.13	0.13	0.09	0.14	0.24	0.19	0.19	0.19	
Si	44.15	33.68	45.65	30.40	41.31	26.50	31.07	81.31	29.31	41.02	40.40	
Sn	0.02	0.01	<0.01	<0.01	<0.01	0.02	0.01	0.01	0.01	0.01	0.01	
Sr	28.15	15.50	19.67	11.67	21.30	14.32	20.67	150.06	35.39	76.97	73.32	
Tl	0.04	0.02	0.05	0.03	0.03	0.02	0.03	0.05	0.02	0.04	0.04	
U	0.67	0.42	0.56	0.52	0.57	0.68	0.46	0.78	0.50	0.66	0.95	
V	5.36	3.86	4.61	3.80	4.60	5.13	4.34	5.09	4.10	6.15	6.43	
Zn	13.58	8.05	9.68	7.34	9.59	11.90	9.96	12.99	8.80	11.42	12.15	

Springstead Loop

USU Case # Sample ID	L06-0125 Soil SL- 0718	L06-0125 Soil SL 0108	L06-0125 Soil SL 0218	L06-0125 Soil SL 0102	L06-0125 Soil SL 0208	L06-0125 Soil SL-CR-02	L06-0125 Soil SL 0318	L06-0125 Soil SL 0302	L06-0125 Soil SL 0202	L06-0125 Soil SL 0308
Ag	0.03	0.01	0.01	0.01	0.01	0.03	0.02	0.01	0.02	0.02
Al	1920.51	1208.13	1582.46	1231.93	1622.47	4120.91	2662.85	2358.56	2602.90	2588.74
As	0.97	0.51	0.55	0.52	0.70	1.11	0.59	0.91	1.03	0.63
B	0.25	2.17	1.14	0.70	0.46	0.82	2.59	1.50	0.85	0.66
Ba	56.02	30.00	48.60	32.12	47.75	118.26	81.17	77.80	73.03	82.71
Be	0.20	0.12	0.16	0.15	0.21	0.47	0.28	0.27	0.28	0.23
Ca	2717.82	1552.81	3105.74	1999.29	2683.56	2253.13	1887.82	3264.47	3365.73	1948.88
Cd	0.02	0.01	0.02	0.01	0.02	0.08	0.04	0.03	0.04	0.04
Co	1.18	0.83	0.97	0.77	1.10	2.55	1.76	1.48	1.56	1.82
Cr	0.96	0.58	0.81	0.65	0.83	2.34	1.66	1.26	1.45	1.66
Cu	1.27	0.68	1.05	0.78	1.11	3.87	2.51	1.80	2.10	2.41
Fe	3403.97	2287.52	2585.55	2310.81	2674.99	5319.47	3400.18	4917.95	4065.99	3173.00
K	388.03	246.00	333.99	267.07	334.49	1380.40	714.10	481.09	574.18	711.98
Li	2.89	1.94	2.28	1.96	2.52	4.84	3.28	3.38	3.64	3.14
Mg	679.26	416.81	575.23	448.20	582.27	1395.93	879.48	828.99	944.50	860.62
Mn	110.18	74.69	94.04	72.18	93.05	201.61	172.40	123.48	130.80	173.52
Mo	0.01	0.14	0.06	0.02	0.01	0.02	0.16	0.07	0.05	0.02
Na	8.95	12.43	7.95	18.11	10.10	21.54	16.76	11.04	12.16	16.78
Ni	1.16	0.74	1.05	0.78	1.08	3.11	2.16	1.68	1.81	2.17
P	82.55	56.05	109.75	76.79	90.36	242.06	113.97	130.27	150.84	110.08
Pb	2.35	1.79	2.31	1.59	2.38	5.93	3.71	3.13	4.58	3.61
Sb	<0.01	0.04	0.01	<0.01	<0.01	<0.01	0.04	0.01	<0.01	<0.01
Se	0.09	0.11	0.09	0.10	0.10	0.33	0.27	0.17	0.21	0.13
Si	35.34	25.67	29.54	23.93	29.76	46.02	36.08	34.85	41.30	33.03
Sn	<0.01	0.01	<0.01	<0.01	<0.01	0.01	0.01	0.01	0.01	<0.01
Sr	9.77	6.27	12.16	7.65	10.10	12.85	10.48	11.94	13.25	10.07
Tl	0.02	0.02	0.02	0.02	0.02	0.06	0.04	0.04	0.04	0.04
U	0.80	0.68	0.64	0.61	0.75	0.95	0.51	0.71	1.01	0.48
V	6.70	4.89	5.13	4.88	5.98	9.29	5.31	7.00	7.77	5.34
Zn	7.45	4.95	5.63	4.86	6.59	14.44	8.88	8.35	10.50	8.96

USU Case # Sample ID	Lobo Valley-Puerco River (Pinedale)						Puerco River Streambed					
	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125
	Soil RPVL pinedale 2in	Soil LRPR 0108	Soil LRPR 0102	Soil LRPR 0186	Soil LRPR 0118	Soil Pinedale RP LOBO 01	Soil RP 566 0202RP	Soil RP 566 0508RP	Soil RP 566 0218RP	Soil RP 566 0318RP	Soil RP 566 0336RP	Soil RP 566 0502
Ag	0.14	0.09	0.09	0.09	0.09	0.12	0.01	0.01	0.04	0.01	0.01	0.01
Al	7413.15	4977.44	5309.99	6248.65	5428.11	7833.24	1041.12	972.36	2043.74	857.19	1245.77	1063.74
As	5.18	5.81	4.48	5.73	3.78	4.73	1.27	1.01	1.57	4.03	1.62	1.22
B	1.22	3.26	1.84	1.28	0.89	1.00	0.43	2.99	1.78	0.72	0.78	0.50
Ba	114.64	78.06	75.50	78.44	76.95	107.75	21.80	19.36	47.53	20.10	24.69	18.81
Be	0.99	0.81	0.66	0.79	0.69	0.98	0.13	0.12	0.31	0.11	0.18	0.12
Ca	13734.97	9461.74	6487.88	7677.95	6907.97	13474.60	5064.46	4850.82	8076.26	6556.49	7688.41	5173.33
Cd	0.21	0.13	0.12	0.11	0.09	0.17	0.03	0.02	0.05	0.03	0.04	0.02
Co	7.87	6.08	6.87	6.70	5.97	7.44	1.23	1.30	2.44	1.08	1.57	1.29
Cr	7.79	7.14	5.98	7.15	6.16	7.53	0.90	0.96	1.76	0.78	1.38	0.91
Cu	14.81	10.48	8.93	10.93	8.99	14.47	1.42	1.24	2.91	1.30	1.83	1.51
Fe	16764.78	20125.19	13399.18	18900.81	13105.09	17446.12	3402.08	3561.15	4930.49	4333.46	5806.35	3546.75
K	1876.88	1112.75	1295.90	1149.14	1268.20	1797.58	235.42	218.09	423.84	199.96	216.91	234.23
Li	11.60	7.88	8.20	8.80	7.82	10.79	1.50	1.55	3.42	1.47	2.18	1.84
Mg	4030.15	2832.69	2449.65	2555.23	2717.56	3683.54	497.67	420.94	944.46	324.85	483.66	469.63
Mn	243.63	258.32	221.58	202.46	173.84	197.45	125.48	86.11	165.65	87.13	142.35	109.81
Mo	0.24	0.30	0.17	0.19	0.09	0.17	0.05	0.20	0.11	0.14	0.11	0.05
Na	209.93	50.46	47.66	60.58	52.91	170.52	14.60	11.36	18.53	12.87	15.67	14.15
Ni	13.72	8.41	8.33	8.97	8.20	11.65	1.43	1.34	2.96	1.39	2.09	1.56
P	410.50	317.49	271.78	309.29	271.40	364.40	119.32	100.86	162.77	159.54	120.99	114.54
Pb	16.22	11.11	12.32	11.28	10.85	15.23	2.54	2.39	4.58	2.95	2.59	2.47
Sb	<0.01	0.05	0.01	<0.01	<0.01	0.01	<0.01	0.04	0.01	<0.01	<0.01	<0.01
Se	0.84	0.39	0.34	0.46	0.33	0.65	0.03	0.08	0.66	0.19	0.17	0.13
Si	100.83	53.58	44.57	49.06	78.54	99.05	28.93	31.09	43.83	25.83	25.49	21.68
Sn	0.01	0.02	0.01	0.01	0.01	0.01	<0.01	0.01	0.01	0.01	0.01	<0.01
Sr	87.07	44.28	41.67	49.67	40.92	86.72	16.20	15.79	29.62	14.81	17.10	15.44
Tl	0.27	0.13	0.14	0.14	0.13	0.21	0.02	0.02	0.04	0.02	0.03	0.02
U	1.29	1.52	0.99	1.83	0.94	1.54	0.48	0.61	0.69	0.85	0.81	0.44
V	13.44	16.02	10.11	11.79	9.80	12.55	3.82	3.85	5.46	4.98	5.78	3.99
Zn	57.27	48.86	42.18	49.89	40.64	55.98	8.41	7.19	14.01	8.31	10.45	8.26

	Puerco River Streambed (continued)						Becenti Trail (Church Rock)				
USU Case #	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125
Sample	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
ID	RP 566 0302	RP 566 0108	RP 566 0518	RP 566 0308	RP 566 0236	RP 566 0136	RP 566 0402	RP 566 0346	BT 0102	BT 0108	BT 0202
Ag	0.01	0.03	0.01	0.01	0.01	0.02	0.02	0.05	0.06	0.08	0.06
Al	818.87	2049.79	1172.43	1173.72	1504.39	1763.33	1677.05	6022.23	5979.25	7348.76	6998.83
As	1.20	1.92	1.97	2.60	2.62	1.80	1.60	1.91	6.18	5.86	4.86
B	1.89	1.42	0.78	0.33	0.56	1.93	1.07	0.54	0.76	3.44	1.57
Ba	23.63	40.29	23.57	19.98	28.52	31.90	39.92	143.82	35.68	43.51	74.44
Be	0.09	0.28	0.16	0.17	0.22	0.22	0.23	0.87	0.71	0.88	0.71
Ca	3557.34	7935.03	5218.72	4688.28	5956.00	5093.72	5465.06	12368.75	5621.48	5558.15	8124.48
Cd	0.02	0.09	0.03	0.04	0.05	0.05	0.04	0.08	0.07	0.09	0.07
Co	0.84	9.43	1.41	1.72	2.37	2.34	1.87	4.34	8.33	7.06	6.05
Cr	0.79	1.98	1.20	1.18	1.59	1.76	1.46	3.33	7.04	8.30	7.51
Cu	1.11	3.16	1.79	2.15	2.82	2.33	2.66	5.48	10.79	12.29	10.00
Fe	3213.29	5950.23	4393.31	5569.07	8456.21	4985.69	4606.71	8949.22	18698.61	21030.23	17481.19
K	238.46	459.30	312.13	294.94	312.93	380.66	423.07	975.91	1266.32	1716.56	1528.55
Li	1.20	3.05	1.76	1.84	2.48	2.88	2.49	8.33	12.32	16.16	12.84
Mg	309.42	781.15	448.38	457.16	613.16	1127.71	860.84	2649.45	2183.31	2297.73	2090.28
Mn	102.68	221.30	103.77	128.32	168.61	104.98	132.70	245.79	221.17	154.71	159.07
Mo	0.22	0.12	0.08	0.45	0.15	0.25	0.10	0.08	0.30	0.43	0.19
Na	21.26	30.43	19.92	17.89	22.99	23.30	14.93	40.96	108.38	319.48	195.80
Ni	1.08	3.50	1.74	1.83	3.30	2.80	2.47	5.48	11.49	11.11	9.33
P	93.84	163.93	116.09	133.74	151.35	161.30	143.62	283.50	310.43	366.24	304.26
Pb	2.11	9.83	2.64	2.67	3.95	3.67	3.53	9.19	12.15	18.71	13.87
Sb	0.04	0.01	<0.01	<0.01	<0.01	0.05	0.01	<0.01	<0.01	0.04	0.01
Se	0.08	0.19	0.11	0.15	0.12	2.34	0.12	0.20	0.46	0.53	0.34
Si	28.66	40.21	32.40	30.41	37.27	30.20	29.85	45.01	30.62	60.47	45.08
Sn	0.01	0.01	<0.01	<0.01	<0.01	0.01	0.01	0.01	<0.01	0.01	0.01
Sr	14.71	29.53	19.14	17.98	21.16	20.42	20.09	57.97	73.44	114.82	78.28
Tl	0.02	0.13	0.04	0.03	0.03	0.04	0.04	0.10	0.17	0.26	0.18
U	0.50	0.73	0.64	0.88	0.90	1.14	0.65	1.93	1.04	1.32	0.98
V	3.36	6.52	4.87	6.32	6.37	5.64	5.20	10.00	9.56	11.59	11.29
Zn	6.23	16.38	9.70	12.20	14.75	13.90	12.75	23.90	47.70	52.21	42.32

Pinetree Spring Well (Lime Ridge)										PASR?
USU Case #	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125
Sample	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
ID	PTSW 0502	PTSW 0608	PTSW 0402	PTSW 0102	PTSW 0407	PTSW 0618	PTSW 0302	PTSW 0602	PTSW 0202	PASR 0118
Ag	0.01	<0.01	0.01	<0.01	<0.01	0.01	<0.01	0.02	0.01	0.03
Al	2568.85	1525.98	2935.78	2509.79	1559.29	2758.69	2861.17	2087.96	2521.01	3777.81
As	0.83	0.59	0.68	0.52	0.39	0.81	0.67	0.60	0.23	1.80
B	0.48	0.09	1.85	0.77	0.62	0.27	0.13	1.92	0.78	0.88
Ba	98.34	42.70	87.76	49.71	55.16	85.79	72.50	56.03	43.91	175.63
Be	0.29	0.19	0.23	0.19	0.14	0.29	0.18	0.24	0.18	0.39
Ca	1929.45	1017.49	1348.15	652.26	1674.70	2906.98	824.70	1801.45	855.00	14931.93
Cd	0.03	0.01	0.02	0.01	0.01	0.02	0.01	0.02	0.01	0.05
Co	1.71	1.16	1.71	1.36	0.98	1.71	1.67	1.28	1.36	4.70
Cr	1.83	0.70	1.25	1.27	0.64	1.02	1.06	0.98	1.18	6.18
Cu	1.76	0.81	1.04	0.79	0.65	1.68	0.59	1.11	0.71	3.97
Fe	4317.83	2746.33	4821.76	5262.87	2530.48	4607.71	5929.27	3765.79	4877.46	12459.93
K	621.16	264.64	481.33	106.33	102.40	346.32	49.81	377.03	252.21	599.92
Li	3.98	2.30	4.90	4.09	2.61	3.74	5.10	2.81	4.18	4.49
Mg	779.09	463.37	854.03	873.33	498.17	868.71	961.43	688.75	882.67	2774.55
Mn	97.12	84.41	55.58	62.38	30.52	94.43	105.10	66.86	53.29	175.23
Mo	0.03	<0.01	0.15	0.05	0.02	0.02	<0.01	0.11	0.04	0.06
Na	10.93	13.08	25.21	10.10	16.12	23.76	11.24	16.59	15.90	154.64
Ni	1.53	0.90	1.34	0.90	0.80	1.46	1.05	1.05	0.94	6.91
P	49.89	29.61	22.79	13.91	16.52	40.27	7.97	38.26	17.09	247.00
Pb	3.50	1.58	2.50	1.55	1.32	2.46	1.73	2.28	1.80	5.97
Sb	<0.01	<0.01	0.05	0.01	<0.01	<0.01	<0.01	0.03	0.01	<0.01
Se	0.23	0.09	0.38	0.05	0.15	1.02	0.03	0.08	0.12	0.29
Si	36.60	18.73	25.87	24.72	28.69	25.30	21.18	23.03	19.14	32.27
Sn	0.01	<0.01	0.01	0.01	<0.01	<0.01	0.01	0.01	0.01	0.01
Sr	8.75	4.76	7.83	4.32	7.41	114.24	5.94	7.92	5.89	52.75
Tl	0.02	0.01	0.03	0.01	0.01	0.02	0.01	0.02	0.02	0.06
U	1.65	1.30	1.33	0.88	1.00	2.61	0.65	1.63	1.24	0.59
V	12.30	7.35	10.39	7.02	6.03	10.00	11.33	8.66	6.08	14.49
Zn	11.58	6.79	13.13	10.04	7.88	10.98	11.99	7.68	8.35	33.48

USU Case # Sample ID	Red Water Pond Road (December Study Grid)						Non-Impacted RWPR			
	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125
	Soil DSG RWPR 0218	Soil DSG RWPR 0108	Soil DSG RWPR 0118	Soil DSG RWPR 0136	Soil DSG RWPR 020	Soil C. Duncan 0102	Soil NIRPR 0118	Soil NIRPR 0212	Soil NIRPR 0105	Soil NIRWPR 0308
Ag	0.02	0.05	0.04	0.04	0.05	0.04	0.08	0.06	0.10	0.03
Al	2181.01	6394.62	5537.19	5302.43	1834.03	4166.02	2671.27	1680.58	1554.58	1061.26
As	1.36	4.13	3.58	3.36	3.23	2.27	24.62	3.46	5.04	3.29
B	0.81	1.70	1.91	3.19	2.02	1.06	1.61	1.04	2.11	2.67
Ba	42.07	70.35	64.31	59.39	65.32	111.64	106.74	65.24	198.38	32.45
Be	0.18	0.62	0.55	0.49	0.36	0.43	1.70	0.44	0.98	0.25
Ca	4839.99	9209.37	11653.24	12947.83	1837.81	8464.03	4694.72	2482.28	9740.92	1085.66
Cd	0.03	0.06	0.05	0.04	0.11	0.08	0.57	0.11	0.26	0.05
Co	1.42	5.50	4.97	4.56	3.48	3.27	8.69	3.54	3.56	2.65
Cr	1.71	7.30	6.61	6.20	2.44	4.15	5.83	2.47	3.50	1.36
Cu	2.03	6.08	5.03	4.67	6.60	4.57	13.02	6.72	12.91	2.58
Fe	5038.90	15570.69	13669.33	13450.83	5926.84	8009.59	67122.55	5587.72	6037.72	5551.49
K	279.97	1333.83	1029.53	886.82	837.98	1181.65	738.21	641.55	447.79	396.94
Li	3.63	8.45	7.87	7.46	2.72	5.56	3.20	2.75	1.90	1.72
Mg	989.21	3158.22	3334.58	3200.23	685.35	1765.08	1138.64	711.15	748.52	389.79
Mn	130.66	203.01	172.93	184.39	121.50	201.86	1271.01	119.88	115.85	91.67
Mo	0.63	0.14	0.09	0.19	0.10	0.06	0.63	0.11	0.14	0.18
Na	18.53	47.96	85.64	156.63	27.86	11.18	118.36	36.93	36.15	10.01
Ni	1.75	7.01	6.55	6.04	4.00	5.66	9.23	4.42	8.20	2.66
P	127.80	398.85	374.98	372.96	190.21	234.79	853.14	160.79	148.51	109.79
Pb	4.37	8.72	7.61	7.04	7.09	6.61	14.20	7.02	6.99	4.31
Sb	0.01	<0.01	<0.01	0.04	0.02	<0.01	0.02	0.02	0.10	0.03
Se	11.72	0.50	0.73	0.34	0.24	0.17	0.54	0.32	0.74	0.16
Si	24.29	63.71	65.57	49.32	63.89	71.05	47.91	50.10	48.46	32.58
Sn	0.02	0.02	0.02	0.02	0.01	0.01	0.03	0.01	0.02	0.01
Sr	21.73	25.86	24.27	27.28	24.24	26.61	46.90	28.33	74.78	15.38
Tl	0.05	0.10	0.09	0.08	0.07	0.06	0.21	0.07	0.08	0.05
U	51.29	49.17	43.52	21.90	1.05	0.40	1.64	14.12	1.39	0.30
V	21.60	15.80	15.23	14.29	5.51	8.46	42.93	6.06	7.82	5.32
Zn	13.46	35.76	33.15	31.67	21.75	20.69	86.33	20.99	24.64	15.79

Red Water Pond Road (continued)

USU Case #	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	L06-0125	
Sample	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
ID	RWPR 0718	RWPR DEC	RWPR 0802	RWPR 0808	RWPR 0418	RWPR DEC	RWPR 0208	RWPR DEC	RWPR DEC	RWPR DEC	RWPR 0518	RWPR 0736	RWPR 0318
	DEC	0536	DEC	Dec Arroyo		0426	DEC	0502	0608	DEC	DEC	DEC	
Ag	0.01	0.05	0.03	0.04	0.04	0.04	0.05	0.03	0.04	0.03	0.02	0.04	
Al	1579.31	6329.61	4067.74	3702.38	1941.83	3119.46	3170.99	4480.96	3710.72	4122.18	2475.88	4585.06	
As	1.34	4.06	2.72	5.57	4.43	3.86	3.56	2.79	2.60	2.86	1.61	1.03	
B	0.21	2.73	1.28	1.27	0.43	0.42	3.08	1.90	1.20	0.60	0.69	2.46	
Ba	16.52	75.66	52.87	76.46	40.25	37.19	80.61	55.14	58.01	53.70	28.60	60.05	
Be	0.14	0.62	0.35	0.40	0.19	0.34	0.32	0.46	0.34	0.39	0.19	0.54	
Ca	3472.84	13698.77	6977.04	28630.99	6269.80	10547.05	8674.20	3078.11	8090.08	7924.25	7754.69	4435.71	
Cd	0.05	0.05	0.04	0.08	0.03	0.04	0.07	0.05	0.07	0.22	0.03	0.02	
Co	1.18	4.92	3.07	4.13	1.52	2.57	2.42	3.72	3.13	3.46	1.88	2.70	
Cr	2.76	6.80	4.00	5.53	1.39	2.42	2.67	5.01	3.39	4.79	2.15	1.86	
Cu	1.75	5.43	3.56	6.86	2.07	4.69	4.65	3.84	4.01	3.32	2.44	5.93	
Fe	5692.39	15277.74	9777.45	12628.54	6751.38	7811.66	7744.61	10254.68	9100.87	9893.26	6114.37	9618.76	
K	261.98	1032.64	618.66	911.22	306.59	493.74	410.76	1058.38	469.13	761.64	335.16	617.36	
Li	2.25	8.08	5.33	5.53	2.68	4.68	5.05	5.69	5.56	5.01	3.42	5.30	
Mg	801.47	4347.81	2576.07	5498.04	696.49	1951.79	1604.14	2196.08	2207.27	2761.19	1560.38	1911.92	
Mn	78.35	206.22	146.29	198.78	148.98	124.45	153.99	166.75	213.75	143.52	141.83	110.68	
Mo	0.27	0.30	0.22	0.12	6.31	3.41	1.99	0.09	0.40	0.07	0.19	0.21	
Na	<0.01	28.34	9.40	9.44	1.10	5.60	9.21	3.34	14.12	14.39	5.43	17.45	
Ni	2.07	7.17	4.05	8.09	1.54	3.31	3.11	5.01	3.79	4.97	2.61	3.72	
P	121.12	411.74	298.54	418.00	169.33	200.93	187.99	347.18	303.94	277.97	201.05	276.88	
Pb	2.38	8.28	6.36	10.66	4.40	5.26	8.07	6.19	6.51	5.38	3.36	10.14	
Sb	<0.01	0.03	0.01	<0.01	0.01	<0.01	0.04	0.01	<0.01	<0.01	<0.01	0.05	
Se	2.14	0.36	6.39	0.33	15.15	14.59	31.52	0.29	18.92	0.23	2.19	8.14	
Si	26.19	70.77	39.98	176.48	29.55	24.69	27.88	46.25	46.91	45.53	29.74	24.25	
Sn	0.01	0.02	0.01	0.03	0.02	0.02	0.03	0.02	0.01	0.01	0.01	0.02	
Sr	10.12	29.52	22.33	37.56	14.46	30.92	25.91	11.67	30.07	14.09	22.50	35.70	
Tl	0.03	0.10	0.07	0.07	0.14	0.12	0.11	0.07	0.06	0.06	0.04	0.04	
U	21.52	0.65	13.95	0.46	64.07	41.86	74.80	0.93	42.29	0.48	38.06	16.35	
V	8.32	15.68	13.79	11.04	15.24	15.17	36.64	11.31	20.54	11.93	10.35	9.32	
Zn	17.03	36.00	25.14	32.17	14.76	22.35	25.69	27.22	28.91	24.94	17.01	20.79	

USU Case # Sample ID	L06-0125 Soil RWPR 0708 DEC	L06-0125 Soil RWPR 0102 DSG	L06-0125 Soil RWPR DEC 0636	L06-0125 Soil RWPR DEC 0702	L06-0125 Soil RWPR 0818 DEC	L06-0125 Soil RWPR 0602 DEC	L06-0125 Soil RWPR DEC 302	L06-0125 Soil RWPR DEC 0402	L06-0125 Soil RWPR 0236 DEC	L06-0125 Soil RWPR DEC 0618	L06-0125 Soil RWPR 0408 DEC	L06-0125 Soil RWPR DEC 0808
Ag	0.02	0.08	0.03	0.03	0.02	0.03	0.03	0.03	0.05	0.03	0.05	0.03
Al	1602.95	7268.96	2153.14	3025.36	1974.59	2345.88	3161.58	2137.52	6477.91	2334.82	2337.48	4303.07
As	1.73	5.21	2.41	2.34	1.55	2.10	1.60	4.33	4.08	1.82	5.12	2.92
B	1.23	1.46	0.83	0.30	2.33	1.33	1.05	0.28	1.01	2.41	1.06	0.94
Ba	21.03	149.11	40.54	36.98	50.69	31.38	53.63	26.07	55.71	31.41	59.23	52.27
Be	0.15	0.68	0.21	0.29	0.18	0.22	0.26	0.23	0.55	0.25	0.25	0.42
Ca	4211.84	15286.80	5495.36	6196.99	3749.92	5488.14	8214.26	7623.51	14771.04	4498.69	11860.79	5629.74
Cd	0.03	0.17	0.04	0.03	0.02	0.03	0.04	0.06	0.05	0.03	0.06	0.04
Co	1.49	6.31	1.97	2.51	1.70	2.02	2.19	1.73	5.57	1.85	2.07	3.72
Cr	1.76	8.16	2.00	3.11	1.98	2.10	2.48	1.50	7.15	1.88	1.63	5.04
Cu	1.79	10.64	2.62	2.99	1.90	2.61	3.34	2.60	6.39	2.49	3.19	4.04
Fe	4831.58	16812.96	5633.39	7680.69	5039.00	5736.39	7355.86	6565.09	16583.98	6080.34	6570.15	10238.99
K	214.72	1470.09	336.41	506.77	286.01	377.56	373.62	436.12	955.09	312.38	352.84	945.34
Li	2.45	10.37	3.26	4.27	2.91	3.32	4.46	2.57	8.33	3.30	3.22	5.45
Mg	885.57	4095.34	1228.56	1788.15	1079.40	1334.77	1656.36	891.29	5121.72	1124.99	910.78	2531.11
Mn	110.37	270.09	133.77	136.23	97.76	125.09	121.92	148.12	234.98	117.89	245.92	156.71
Mo	0.44	0.35	0.65	0.19	0.25	0.82	0.10	2.96	0.77	0.55	4.17	0.07
Na	12.53	40.97	20.05	21.26	22.12	18.60	19.01	11.68	35.13	18.26	20.18	20.42
Ni	1.86	8.90	2.21	3.29	2.09	2.38	2.62	1.89	7.57	2.22	2.22	5.06
P	155.98	505.33	210.37	250.17	156.02	199.89	212.64	187.49	434.27	166.10	169.37	329.89
Pb	3.04	16.03	4.68	4.74	3.50	3.89	4.80	4.54	8.29	3.60	6.71	5.71
Sb	0.02	0.02	<0.01	<0.01	0.05	0.01	<0.01	<0.01	<0.01	0.05	0.02	<0.01
Se	14.54	27.83	13.13	3.61	6.15	10.26	18.85	14.61	0.85	7.07	17.50	0.25
Si	22.75	90.26	30.24	29.05	23.42	29.82	25.53	20.88	50.15	27.40	32.91	43.76
Sn	0.01	0.04	0.01	0.01	0.02	0.01	0.01	0.01	0.02	0.02	0.01	0.01
Sr	14.86	49.99	20.82	22.72	12.93	19.90	27.44	17.97	47.44	17.18	23.91	12.55
Tl	0.04	0.12	0.07	0.06	0.04	0.06	0.04	0.12	0.09	0.05	0.19	0.06
U	11.94	88.74	22.53	21.83	10.70	31.99	41.48	26.99	72.01	25.44	37.06	0.80
V	8.78	40.19	16.01	12.93	11.61	12.24	17.34	14.08	16.33	12.53	20.32	11.68
Zn	11.82	62.12	16.74	21.00	12.89	16.22	23.34	14.76	38.87	16.17	17.52	26.12

CHRIS'S PROOFING OF CHRISTINE GEORGE'S 2004 AND 2005 SOIL SAMPLES FOR RED WATER POND ROAD AREA FOR LOCATIONS, SOIL DEPTHS, LAT-LONG, ETC

Site ID	Sample Location (December 2004 ID No.)	Smp Depth (in)	uR/hr	Dist. (ft) from Wastes	Soil-U (ppm)* JdL-retest (ppm)	U Trend with depth		
RWPR-A	Arroyo Red Water Pond Road A	2		525	5.162		35.66111	-108.50861
RWPR-B	Church Rock Arroyo Pipeline Rd-B	2		525	20.539		35.66111	-108.50806
RWPR-C	Church Rock Arroyo Pipeline Rd-C	2		725	23.398		35.66167	-108.50750
RWPR-D	Church Rock Arroyo Pipeline Rd-D	2		1325	11.823		35.66306	-108.50611
RWPR0102	Red Water Pond Rd 0102	2	200	300	88.740	117 decreasing	35.66070	-108.50808
RWPR0108	Red Water Pond Rd 0108 (0536)	8	200	300	49.170		35.66070	-108.50808
RWPR0118	Red Water Pond Rd 0118 (0802)	18	200	300	43.520		35.66070	-108.50808
RWPR0105	Red Water Pond Rd 0105 (0808)	36	200	300	21.900		35.66070	-108.50808
RWPR0202	Red Water Pond Rd 0202	2	300	50	no data	decreasing/increasing	35.65976	-108.50809
RWPR0208	Red Water Pond Rd 0208 (0302)	8	300	50	74.800	91	35.65976	-108.50809
RWPR0218	Red Water Pond Rd 0218 (0718)	18	300	50	51.290		35.65976	-108.50809
RWPR0236	Red Water Pond Rd 0236	36	300	50	72.010	86	35.65976	-108.50809
RWPR0302	Red Water Pond Rd 0302	2	200	100	41.480	decreasing	35.65992	-108.50841
RWPR0308	Red Water Pond Rd 0308	8	200	100	no data		35.65992	-108.50841
RWPR0318	Red Water Pond Rd 0318 (0808)	18	200	100	16.350		35.65992	-108.50841
RWPR0336	Red Water Pond Rd 0336	36	200	100	no data		35.65992	-108.50841
RWPR0402	Red Water Pond Rd 0402	2	150	100	26.990	increasing	35.65978	-108.50891
RWPR0408	Red Water Pond Rd 0408	8	150	100	37.060		35.65978	-108.50891
RWPR0418	Red Water Pond Rd 0418 (0818)	18	150	100	64.070		35.65978	-108.50891
RWPR0436	Red Water Pond Rd 0436 (0602)	36	150	100	41.860		35.65978	-108.50891
RWPR0502	Red Water Pond Rd 0502 (0402)	2	48	250	0.930	decreasing	35.66025	-108.50886
RWPR0508	Red Water Pond Rd 0508	8	48	250	no data		35.66025	-108.50886
RWPR0518	Red Water Pond Rd 0518 (0618)	18	48	250	0.480		35.66025	-108.50886
RWPR0536	Red Water Pond Rd 0536 (0102)	36	48	250	0.650		35.66025	-108.50886
RWPR0602	Arroyo Red Water Pond Rd 0602	2	120	200	31.990	increasing/decreasing	35.65979	-108.50941
RWPR0608	Arroyo Red Water Pond Rd 0608 (0236)	8	120	200	42.290		35.65979	-108.50941
RWPR0618	Arroyo Red Water Pond Rd 0618	18	120	200	25.440		35.65979	-108.50941
RWPR0636	Arroyo Red Water Pond Rd 0636	36	120	200	22.530		35.65979	-108.50941
RWPR0702	Arroyo Red Water Pond Rd 0702	2	70	500	21.830	decreasing/increasing	35.66091	-108.50849
RWPR0708	Arroyo Red Water Pond Rd 0708	8	70	500	11.940		35.66091	-108.50849
RWPR0718	Arroyo Red Water Pond Rd 0718 (0708)	18	70	500	21.520		35.66091	-108.50849
RWPR0736	Arroyo Red Water Pond Rd 0736 (0408)	36	70	500	38.060		35.66091	-108.50849
RWPR0802	Arroyo Red Water Pond Rd 0802 (0636)	2	48	900	13.950	decreasing/increasing	35.66215	-108.50689
RWPR0808	Arroyo Red Water Pond Rd 0808	8	48	900	0.800		35.66215	-108.50689
RWPR0818	Arroyo Red Water Pond Rd 0818	18	48	900	10.700		35.66215	-108.50689
RWPR0836	Arroyo Red Water Pond Rd 0836	36	48	900	no data		35.66215	-108.50689
RWPR09-308	Dam Break Non-Impacted Red Water Pond Rd 0308 (0518)	8	14	2100	0.30	increasing	35.66519	-108.50960
RWPR09-108	Dam Break Non-Impacted Red Water Pond Rd 0108 (0608)	8	14	2100	1.39		35.66519	-108.50960
RWPR09-212	Dam Break Non-Impacted Red Water Pond Rd 0212 (0502)	12	14	2100	14.12		35.66519	-108.50960
RWPR09-118	Dam Break Non-Impacted Red Water Pond Rd 0118 (0208)	18	14	2100	1.64		35.66519	-108.50960
RWPR10-102	Catherine Duncan Residence 0102 (0426)	2	48	1,500	0.40		35.66388	-108.50968
RWPR10-108	Catherine Duncan Residence 0108	8	48	1,500	no data		35.66388	-108.50968
RWPR-7-1	Church Rock Red Water Pond Road 7-1	2		125	39.515		35.66000	-108.50778
RWPR-13-A	Church Rock Red Water Pond Road 02-13-A	2		275	5.364		35.66028	-108.50806
RWPR-13-B	Church Rock Red Water Pond Road 02-13-B	2		200	65.460		35.66028	-108.50750
RWPR-13-C	Church Rock Red Water Pond Road 02-13-C	2		300	3.543		35.66056	-108.50806
RWPR-14-5	Church Rock Red Water Pond Road 14-5	2		200	2.311		35.66000	-108.50889

RWPR-14-7	Church Rock Red Water Pond Road 14-7	2	375	1.891	35.66028	-108.50889
RWPR-15-1	Church Rock Red Water Pond Road 15-1	2	75	29.702	35.65972	-108.50889
RWPR-15-7	Church Rock Red Water Pond Road 15-7	2	375	1.157	35.66028	-108.50917
RWPR-16-1	Church Rock Red Water Pond Road 16-1	2	1,000	26.825	35.66250	-108.50917
RWPR-16-2B	Church Rock Red Water Pond Road 16-2B	2	200	5.047	35.66000	-108.50917
RWPR-16-5	Church Rock Red Water Pond Road 16-5	2	200	31.228	35.66000	-108.50917
RWPR-16-8	Church Rock Red Water Pond Road 16-8	2	400	17.220	35.66056	-108.50917
RWPR-0418	[from Dec 04 sampling]	18		1.05		
RWPR-0702	[from Dec 04 sampling]	2		0.46		

***Boldface** indicates values >16 ppm, which is the USEPA PRG for uranium in residential soil

Location Description

terrace on west side arroyo

due n/ waste on e edge arroyo

due n/ waste @ Rez line

due n/ waste, e/ arroyo

arroyo bottom at Rez line

nw/ waste dump, terrace w/ arroyo

w/ side arroyo @ Rez line

edge of arroyo on hill s/ Duncan residence

No lat-long for this one; can't find value on Jamie's map; included in spreadsheet