

ATTACHMENT 4

Excel Workbooks

- MineUnit1BaselineData.xls
- MU-1 Groundwater Quality Summary.xlsx
- MU-1 ACL Well Inventory of Stock and Domestic Wells.xlsx
- MU-1 Sulfide Addition Summary.xlsx
- CURRENT Mine Unit 1 Data – Restoration Parameters.xls
- MU-1 HH PV Treatment.xlsx
- Mine Unit 1 Field pH Measurements.xlsx

MineUnit1BaselineData.xls

Rio Algom Mining Corp.
Smith Ranch Project
Wellfield 1
Table F1.1
B Wells
Data are in mg/L unless otherwise noted.

																									Radium 226	Radon 222	pH	SC@25				
Well #	Sample ID #	Sample Date	Calcium	Magnesium	Sodium	Potassium	Carb	Bicarb	Sulfate	Chloride	Ammonium	Nitrite +Nitrate	Flouride	Silica	TDS	Alkalinity	Arsenic	Boron	Cadnium	Chromium	Iron	Manganese	Molybdenum	Selenium	Vanadium	Zinc	Uranium	pCi/L	pCi/L	SU	umoh/cm	
B1	IB1	12-09-96	72.8	18.0	23.3	8.1					0.005	0.10		16.7			0.001		0.01	0.05	0.05	0.01	0.10	0.001	0.10	0.01	0.0872	1050			7.53	585
B1	IRB1-2	12-18-96					0.1	233	116	3.9			0.33		348	191		0.10												7.7	580	
B1	2B1	12-23-96	71.9	18.5	21.5	7.2	0	229	113	4.5	0.05	0.10	0.33	16.6	371	188	0.001	0.10	0.01	0.05	0.05	0.01	0.10	0.001	0.10	0.01	0.100	1070	245300	7.23	573	
B1	3B1	01-06-97							119	4.9					378	186	0.001											0.057	1060	225700	7.23	573
B1	4B1	01-20-97							119	4.9					370	183	0.001							0.002				0.045	1070		7.18	579
B2	IB2	12-11-96	71.4	17.9	21.7	7.18	0	232	113	4.1	0.05	0.10	0.31	16.8	414	190	0.001	0.10	0.01	0.05	0.05	0.03	0.10	0.001	0.10	0.02	0.1373	1375		7.5	574	
B2	2B2	12-26-96	73.1	17.6	20.6	6.5	0	234	110	4	0.05		0.37	16.9	337	192	0.001	0.10	0.01	0.05	0.06	0.02	0.10	0.001	0.10	0.01	0.1520	1290	234000	7.3	577	
B2	3B2-1	01-09-97							113	4.4					294	190	0.001							0.001				0.089	1450	440200	7.27	562
B2	4B2	01-23-97							113	3.5					315	192	0.002							0.001				0.064	1300		7.21	572
B3	IB3	12-13-96	75.6	18.3	23.7	7.5	0	237	111	4.8	0.05	0.10	0.34	17.6	397	194	0.001	0.10	0.01	0.05	0.05	0.02	0.10	0.001	0.10	0.01	0.0662	980		7.51	594	
B3	2B3	12-31-96	71.8	17.5	22.9	7.2	0	233	107	4.5	0.05	0.10	0.33	16.6	349	191	0.001	0.10	0.01	0.05	0.05	0.02	0.10	0.001	0.10	0.01	0.0680	961.4	342600	7.36	579	
B3	3B3	01-14-97							114	3.2					245	189	0.001							0.001				0.073	1010	198600	7.25	579
B3	4B3	01-28-97							112	4.4					221	194	0.001							0.001				0.076	1050		7.22	591
B4	IB4	12-12-96	74.3	18.2	23.2	7.5	0	235	110	5.1	0.05	0.10	0.27	19.0	375	193	0.001	0.10	0.01	0.05	0.05	0.01	0.10	0.001	0.10	0.01	0.0556	14.8		7.63	580	
B4	2B4	12-26-96	69.2	17.3	19.9	7.2	0	231	112	4.8	0.05		0.33	16.2	330	189	0.001	0.10	0.01	0.05	0.05	0.01	0.10	0.002	0.10	0.01	0.051	14.0	48200	7.47	560	
B4	3B4-2	01-09-97							114	5.6					269	189	0.004							0.001				0.059	15.8	148000	7.28	561
B4	4B4	01-23-97							113	4.3					301	192	0.005							0.001				0.052	17.0		7.21	566
B5	IB5	12-12-96	76.2	18.5	23.4	7.3	0	244	110	5.1	0.05	0.10	0.27	18.2	374	200	0.001	0.10	0.01	0.05	0.05	0.02	0.10			0.10	0.01	0.1248	1170		7.55	590
B5	2B5	12-30-96	72.4	18.2	22.7	7.5	0.1	237	103	4.8	0.05	0.10	0.33	17.3	344	194	0.001	0.10	0.01	0.05	0.05	0.02	0.10	0.001	0.10	0.01		1250	547800	7.4	584	
B5	3B5	01-13-97							111	4.1					382	198	0.002							0.001				0.094	1160	436700	7.31	566
B5	4B5	01-27-97							111	4.6					269	198	0.001							0.001					1250		7.27	582
B7	IB7	12-12-96	78.0	18.6	23.3	7.6	0	243	117	4.7	0.05	0.10	0.28	18.7	388	199	0.001	0.10	0.01	0.05	0.05	0.02	0.10	0.001	0.10	0.01	0.0946	474		7.47	600	
B7	2B-7	12-30-96	70.2	17.0	21.9	7.7	0	228	114	5.1	0.05		0.31	17.3	353	187	0.004	0.10	0.01	0.05	0.05	0.02	0.10	0.001	0.10	0.01	0.1350	497.5	230600	7.4	585	
B7	3B7	01-14-97							119	3.7					244	193	0.001							0.002				0.101	500.1	137900	7.15	586
B7	4B7	01-28-97							114	4.2					246	192	0.001							0.001				0.092	531.5		7.17	595
B8	IB8	12-11-96	75.5	18.1	22.3	(a)	0	233	115	4.4	0.05	0.10	0.27	16.8	433	191	0.001	0.10	0.01	0.05	0.05	0.02	0.10	0.001	0.10	0.02	0.1043	1160		7.57	606	
B8	2B-8	12-30-96	74.1	17.5	22.3	7.59	0	231	109	4.4	0.05	0.10	0.33	17.5	348	189	0.002	0.10		0.05	0.05	0.02	0.10	0.001	0.10	0.01	0.0810	1500	437700	7.26	583	
B8	3B8	01-13-97							119	3.8					366	192	0.005		0.01					0.001				0.102	1190	455000	7.36	588
B8	4B8	01-27-97							116	4.9					299	194	0.001							0.001				0.087	1250		7.23	577
B9	IB9	12-13-96	77.4	18.2	23.5	7.4	0	231	115	4.7	0.05	0.10	0.30	17.8	389	189	0.001	0.10		0.05	0.05	0.02	0.10	0.001	0.10	0.01	0.0615	590		7.45	598	
B9	2B-9	12-30-96	72.9	17.5	22.4	7.2	0	229	112	4.3	0.05	0.10	0.34	17.0	307	188	0.003	0.10	0.01	0.05	0.05	0.02	0.10	0.001	0.10	0.01	0.0780	570.2	226400	7.21	581</	

Rio Algom Mining Corp.

Smith Ranch Project

Wellfield 1

Table F1.1

B Wells

Data are in mg/L unless otherwise noted.

																											Radium 226	Radon 222	pH	SC@25		
Well #	Sample ID #	Sample Date	Calcium	Magnesium	Sodium	Potassium	Carb	Bicarb	Sulfate	Chloride	Ammonium	Nitrite +Nitrate	Flouride	Silica	TDS	Alkalinity	Arsenic	Boron	Cadnium	Chromium	Iron	Manganese	Molybdenum	Selenium	Vanadium	Zinc	Uranium	pCi/L	pCi/L	SU	umoh/cm	
B17	IB17	12-13-96	76.9	18.1	22.9	7.31	0	235	113	4.8	0.05	0.10	0.31	17.9	392	193	0.001	0.10	0.01	0.05	0.05	0.02	0.10	0.001	0.10	0.01	0.0222	788		7.47	595	
B17	2B-17	12-30-96	73.3	17.3	22.0	7.2	0	229	109	4.5	0.05	0.10	0.34	17.1	350	188	0.002	0.10	0.01	0.05	0.05	0.02	0.10	0.001	0.10	0.01	0.0270	829.7	199200	7.3		
B17	3B17	01-13-97							116	3.5					371	187	0.002							0.001			0.021	789.1	256900	7.35	583	
B17	4B17	01-27-97							116	4.3					274	189	0.001							0.001			0.032	859		7.45	593	
B18	IB18	12-13-96	72.4	17.0	23.9	7.5	0	221	112	4.6	0.05	0.10	0.32	16.9	377	181	0.001	0.10	0.01	0.05	0.05	0.02	0.10	0.001	0.10	0.01	0.0564	320		7.7	575	
B18	2B-18	12-30-96	69.1	16.1	22.7	7.3	0	204	108	4.4	0.05	0.10	0.34	16.4	308	167	0.001	0.10	0.01	0.05	0.05	0.02	0.10	0.001	0.10	0.01	0.0510	364	209300	7.48	557	
B18	3B18	01-13-97							115	3.1					337	179	0.002							0.001			0.045	331.1	204000	7.47	568	
B18	4B18	01-27-97							113	5.6					266	162	0.001							0.001			0.072	326.1		7.69	525	
B19	IB19	12-11-96	75.8	18.4	22.6	7.8	0	249	111	4.6	0.05	0.10	0.30	17.1	430	201	0.001	0.10	0.01	0.05		0.03	0.10	0.001	0.10	0.01	0.0358	1412		7.54	603	
B19	2B-19	12-27-96	72.9	17.7	20.4	8.1	0	239	118	5.2	0.05	0.10	0.37	15.7	353	196	0.002	0.10	0.01	0.05	0.05	0.02	0.10	0.001	0.10	0.01	0.113	1070	437000	7.8	592	
B19	3B19	01-10-97							117	4.2					367	197	0.001							0.001			0.051	1280	415400	7.38	580	
B19	4B19	01-24-97							116	4.6					259	196	0.003							0.001			0.062	1260		7.4	601	
Min. *			64.80	14.90	19.90	6.30	0.00	201.00	103.00	2.10	0.01	0.10	0.27	15.50	218.00	162.00	0.00	0.10	0.01	0.05	0.05	0.01	0.10	0.00	0.10	0.01	0.00	14.00	48200	7.15	525.00	
Max. *			78	18.6	24.5	8.1	0.1	249	120	6.3	0.05	0.1	0.37	19	433	201	0.005	0.1	0.01	0.05	0.06	0.03	0.1	0.002	0.1	0.02	0.159	1500	547800	7.8	606	
Mean *			72.62	17.36	22.53	7.27	0.01	228.19	113.13	4.18	0.05	0.10	0.32	16.98	329.83	185.88	0.00	0.10	0.01	0.05	0.05	0.02	0.10	0.00	0.10	0.01	0.06	726.35	251614	7.40	572.55	
Stdev. *			3.47	1.05	1.07	0.42	0.02	11.54	3.89	0.83	0.01	0.00	0.03	0.84	58.84	9.97	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.03	415.70	124841	0.15	18.12	
Count			36	36	36	35	36	36	72	72	36	32	36	36	72	72	72	36	36	36	33	36	36	70	36	36	70	70	36	71	71	
K Factor *			3.272	3.272	3.272	3.272	3.213	3.272	3.002	3.002	3.272	3.272	3.272	3.272	3.002	3.002	3.002	3.213	3.213	3.213	3.272	3.213	3.213	3.002	3.213	3.272	3.002	3.002	3.272	3.002	3.002	
(1-alpha=.95, p=.99)																																
Up. Tol.			83.96	20.81	26.03	8.66	0.08	265.96	124.82	6.67	0.07	0.10	0.41	19.72	506.47	215.81	0.00	0.10	0.01	0.05	0.06	0.04	0.10	0.00	0.10	0.02	0.17	1974.27	660095	7.84	626.94	
Lo. Tol.			61.28	13.92	19.02	5.88	-0.07	190.43	101.43	1.68	0.02	0.10	0.23	14.23	153.20	155.94	0.00	0.10	0.01	0.05	0.04	0.00	0.10	0.00	0.10	0.00	-0.04	-521.57	-156867	6.95	518.16	

B6 Discarded in original work as an outlier.

Rio Algom Mining Corp.

Smith Ranch Project

Wellfield 1

Table F1.2

Interior Ore Zone Baseline Water Quality Summary

MAJOR IONS mg/L	Sample Count	Sample Count >DL	Mean	Standard Deviation	Minimum Value	Maximum Value	K Factor	K Times Stdev.	Lower Tol. Level	Mean	Upper Tol. Level	Target Restoration Value
Calcium	36	36	72.617	3.853	62	78	3.272	12.607	59.606	72.617	84.820	84.8
Magnesium	36	36	17.364	1.131	14.8	18.6	3.272	3.700	13.555	17.364	20.955	20.9
Sodium	36	36	22.525	1.070	19.9	24.5	3.272	3.503	19.022	22.525	26.028	26.0
Potassium	35	35	7.269	0.425	6.3	8.1	3.272	1.390	5.879	7.269	8.659	8.6
Carb	36	0	0.005	0.023	0	0.1	3.272	0.074	-0.067	0.005	0.078	0.1
Bicarb	36	36	228.194	11.541	201	249	3.272	37.761	190.433	228.194	265.956	265.9
Sulfate	72	72	113.125	3.929	103	120	3.002	11.795	101.372	113.125	124.961	124.9
Chloride	72	72	4.176	0.831	2.1	6.3	3.002	2.493	1.677	4.176	6.664	6.6
Ammonium	36	0	0.049	0.007	0.005	0.05	3.272	0.025	0.024	0.049	0.073	0.1
Nitrite+Nitrate	33	0	0.101	0.128	0.1	0.86	3.272	0.420	-0.299	0.101	0.542	0.5
Fluoride	36	36	0.322	0.029	0.25	0.37	3.272	0.095	0.225	0.322	0.415	0.4
Silica	36	36	16.975	0.849	15.5	19	3.272	2.778	14.232	16.975	19.789	19.7
TDS	72	72	329.833	60.304	218	455	3.002	181.033	153.927	329.833	515.993	515.9
SC@25--umoh/cm	71	71	572.549	18.119	525	606	3.002	54.393	518.156	572.549	629.943	629.9
Alkalinity	72	72	185.875	10.340	162	211	3.002	31.042	155.042	185.875	217.125	217.1
pH SU	71	71	7.395	0.147	7.15	7.8	3.002	0.442	6.953	7.395	7.837	7.8

TRACE METALS mg/L												
Arsenic	72	15	0.001	0.001	0.001	0.003	3.002	0.002	0.000	0.001	0.003	0.003
Boron	36	0	0.100	0.100	0.1	0.1	3.213	0.321	0.100	0.100	0.100	0.100
Cadmium	36	0	0.010	0.010	0.01	0.01	3.213	0.032	0.010	0.010	0.010	0.010
Chromium	36	0	0.050	0.050	0.05	0.05	3.213	0.161	0.050	0.050	0.050	0.050
Iron	36	1	0.050	0.075	0.05	0.5	3.272	0.246	-0.181	0.065	0.312	0.312
Manganese	36	32	0.021	0.007	0.01	0.04	3.213	0.022	0.000	0.022	0.044	0.044
Molybdenum	36	0	0.100	0.100	0.1	0.1	3.213	0.321	0.100	0.100	0.100	0.100
Selenium	70	5	0.001	0.001	0.001	0.002	3.002	0.003	0.000	0.001	0.002	0.002
Vanadium	36	0	0.100	0.100	0.1	0.1	3.213	0.321	0.100	0.100	0.100	0.100
Zinc	36	0	0.010	0.010	0.01	0.01	3.272	0.033	0.010	0.010	0.010	0.010

RADIOMETRIC												
Uranium--mg/L	70	70	0.064	0.034	0.004	0.159	3.002	0.103	-0.039	0.065	0.168	0.168
Radium 226--pCi/L	70	70	726.3	409.4	14.0	1500.0	3.0	1229.1	-495.0	734.1	1963.1	1963.1
Radon 222-pCi/L	36	36	268597.2	137339.95	58100	659600	3.272	449376.3	-180779.089	268597.2	717973.5333	

MU-1 Groundwater Quality Summary.xlsx

Mine Unit 1 Groundwater Quality Summary

WELL NUMBER:	SAMPLE DATE:	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Alkalinity, Carbonate (CO3)	Alkalinity, Bicarbonate (HCO3)	Sulfate (SO4)	Chloride (Cl)	Ammonia (as N)	Nitrate (NO2+NO3)	Fluoride (F)	Silica (SiO2)	Total Dissolved Solids (TDS) @ 180 C	Conductivity (uMhos/cm)	Alkalinity as CaCO3 (Alk)	pH	Aluminum (Al)	Arsenic (As)	Barium (Ba)	Boron (B)	Cadmium (Cd)	Chromium (Cr)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Manganese (Mn)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Selenium (Se)	Vanadium (V)	Zinc (Zn)	USEPA (U) (as mg/L U)	Radium-226 (Ra-226) (dCi/L)			
	Method Detection	1	1	1	1	5	5	1	1	0.1	0.1	0.1	1.0	10	5	5	1-14	0.1	0.001	0.1	0.1	0.001	0.01	0.01	0.05	0.01	0.01	0.001	0.01	0.05	0.001	0.1	0.01	0.005	0.2			
	WV	72.62	17.36	22.53	7.27	0.1	228.19	113.1	4.2	0.05	0.10	0.32	17.0	328.8	572.5	185.88	7.40	NE	0.001	NE	0.10	0.01	0.05	NE	0.05	NE	0.02	NE	0.1	NE	0.001	0.1	0.01	0.005	7.76			
	Clear Use	NA	NA	NA	NA	NA	NA	II (200)	II (200)	I (0.5)	I (1.0)	I (4.0)	NA	I (500)	NA	NA	II (6.5-8.5)	II (5.0)	I (0.05)	I (2.0)	II (0.75)	II (0.01)	III (0.05)	II (0.2)	I (0.3)	I (0.015)	I (0.05)	I (0.001)	NA	II (0.2)	II (0.02)	II (0.1)	II (2.0)	NA	I (5)			
	HCL Precip	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.00	4	NA	NA	NA	NA	0.01	2	NA	0.005	0.1	1.3	NA	0.005	NA	0.005	NA	0.002	NA	NA	0.05	NA	NA	0.03	5			
	100% Saturated	NA	NA	NA	NA	NA	NA	250.0	250.0	NA	NA	2	NA	250.0	NA	NA	0.05-0.3	NA	NA	NA	NA	NA	NA	1	NA	NA	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA		
B-001	09-16-14	27	7	11	5	ND	97	45	5	0.2	ND	ND	13	180	284	80	7.6	ND	0.031	ND	ND	ND	ND	ND	1.34	ND	0.05	ND	7	ND	ND	ND	ND	ND	0.04	129		
B-001	12-15-14	31	8	11	5	ND	117	42	7	0.4	ND	0.2	13	200	329	96	7.4	ND	0.012	ND	ND	ND	ND	ND	2.22	ND	0.08	ND	ND	ND	ND	ND	ND	ND	0.04	120		
B-001	03-16-15	40	11	13	6	ND	125	74	11	ND	ND	ND	13	250	402	102	7.5	ND	0.019	ND	ND	ND	ND	ND	2.42	ND	0.08	ND	ND	ND	ND	ND	ND	ND	0.03	236		
B-001	06-16-15	48	12	15	6	ND	130	73	10	ND	ND	ND	13	290	389	107	7.3	ND	0.019	ND	ND	ND	ND	ND	2.69	ND	0.08	ND	ND	ND	ND	ND	ND	ND	0.03	213		
B-001	09-09-15	45	13	13	6	ND	125	91	14	ND	ND	ND	13	280	404	103	7.5	ND	0.030	ND	ND	ND	ND	ND	2.31	ND	0.07	ND	ND	ND	ND	ND	ND	ND	0.05	223		
B-001	12-10-15	47	13	15	7	ND	140	91	10	0.2	ND	ND	13	270	481	114	7.5	ND	0.031	ND	ND	ND	ND	ND	2.38	ND	0.07	ND	ND	ND	ND	ND	ND	ND	0.07	244		
B-001	03-08-16	44	12	15	7	ND	126	76	9	ND	ND	ND	14	240	409	104	7.6	ND	0.025	ND	ND	ND	ND	ND	2.04	ND	0.06	ND	ND	ND	ND	ND	ND	ND	0.04	296		
B-001	06-07-16																94																					
B-001	09-28-16	36				ND	115	74																												264		
B-001	12-13-16																																			223		
B-001	03-07-17	37	10	14	6	ND	120	73	10	0.2	ND	0.2	13	250	333	96		ND	0.020	ND	ND	ND	ND	ND	0.55	ND	0.05	ND	ND	ND	ND	ND	ND	ND	0.08	232		
B-002	09-16-14	58	14	12	7	ND	148	92	14	ND	ND	0.2	12	330	476	121	7.8	ND	0.005	ND	ND	ND	ND	ND	0.23	ND	0.06	ND	ND	ND	ND	ND	0.002	ND	ND	1.72	295	
B-002	12-15-14	77	20	17	8	ND	234	99	19	0.6	ND	0.2	12	410	659	192	7.4	ND	0.005	ND	ND	ND	ND	ND	0.63	ND	0.08	ND	ND	ND	ND	ND	0.033	ND	ND	2.28	627	
B-002	03-16-15	76	20	17	8	ND	247	107	18	0.2	ND	0.2	12	490	674	203	7.7	ND	0.007	ND	ND	ND	ND	ND	0.55	ND	0.08	ND	ND	ND	ND	ND	0.014	ND	ND	2.31	427	
B-002	06-16-15	74	19	19	8	ND	258	96	14	0.4	ND	0.2	13	330	493	140	7.3	ND	0.006	ND	ND	ND	ND	ND	0.51	ND	0.09	ND	ND	ND	ND	ND	0.099	ND	ND	1.59	406	
B-002	09-09-15	67	17	16	7	ND	215	93	13	ND	ND	0.2	12	370	632	177	7.7	ND	0.007	ND	ND	ND	ND	ND	0.45	ND	0.07	ND	ND	ND	ND	ND	0.003	ND	ND	1.56	401	
B-002	12-09-15	64	16	16	8	ND	212	84	11	0.3	ND	0.2	12	330	543	174	7.7	ND	0.004	ND	ND	ND	ND	ND	0.44	ND	0.07	ND	ND	ND	ND	ND	0.003	ND	ND	1.27	332	
B-002	03-08-16	63	16	16	8	ND	199	80	11	ND	ND	0.2	13	300	522	163	7.7	ND	0.004	ND	ND	ND	ND	ND	0.43	ND	0.07	ND	ND	ND	ND	ND	0.002	ND	ND	0.79	458	
B-002	06-07-16																																					
B-002	09-28-16																																					
B-002	12-13-16																																					
B-002	03-07-17	50	12	15	7	ND	179	71	9	0.3	ND	0.2	12	300	375	147		ND	0.004	ND	ND	ND	ND	ND	0.36	ND	0.06	ND	ND	ND	ND	ND	ND	ND	ND	0.85	296	
B-003	09-15-14	52	12	15	7	ND	143	104	5	ND	ND	0.2	14	300	465	117	7.7	ND	0.011	ND	ND	ND	ND	ND	3.19	ND	0.13	ND	ND	ND	ND	ND	0.036	ND	ND	0.38	754	
B-003	12-15-14	55	14	14	7	ND	162	104	6	ND	ND	0.2	14	320	499	133	7.3	ND	0.018	ND	ND	ND	ND	ND	5.51	ND	0.15	ND	ND	ND	ND	ND	0.087	ND	ND	0.23	406	
B-003	03-16-15	56	14	15	7	ND	163	111	6	ND	ND	0.2	13	320	509	134	7.4	ND	0.014	ND	ND	ND	ND	ND	4.99	ND	0.15	ND	ND	ND	ND	ND	0.057	ND	ND	0.25	938	
B-003	06-16-15	57	14	17	7	ND	171	111	5	ND	ND	0.2	14	330	493	140	7.3	ND	0.014	ND	ND	ND	ND	ND	5.07	ND	0.16	ND	ND	ND	ND	ND	0.063	ND	ND	0.27	861	
B-003	09-09-15	58	14	15	7	ND	166	114	5	ND	ND	0.2	13	350	565	136	7.6	ND	0.015	ND	ND	ND	ND	ND	4.61	ND	0.16	ND	ND	ND	ND	ND	0.059	ND	ND	0.42	961	
B-003	12-10-15	58	14	17	7	ND	166	113	5	ND	ND	0.2	13	320	525	136	7.5	ND	0.007	ND	ND	ND	ND	ND	2.63	ND	0.14	ND	ND	ND	ND	ND	0.014	ND	ND	1.02	756	
B-003	03-08-16	68	16	19	8	ND	177	118	5	ND	0.3	0.2	14	340	541	145	7.6	ND	0.009	ND	ND	ND	ND	ND	4.13	ND	0.16	ND	ND	ND	ND	ND	0.019	ND	ND	0.51	1250	
B-003	06-07-16	60																																				
B-003	09-28-16	58				ND	169	118							360	139																				1.04		
B-003	12-13-16	66					119								330	165																				0.97		
B-003	03-07-17	63	15	19	8	ND	167	120	5	ND	ND	0.2	13	360	514	137		ND	0.007	ND	ND	ND	ND	ND	2.58	ND	0.14	ND	ND	ND	ND	ND	0.009	ND	ND	0.90	852	
B-004	09-15-14	57	13	17	6	ND	166	106	6	ND	ND	ND	11	330	441	136	7.8	ND	0.017	ND	ND	ND	ND	ND	0.32	ND	0.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.25	669
B-004	12-15-14	62	15	19	6	ND	179	126	7	ND	ND	ND	11	360	543	147	7.4	ND	0.027	ND	ND	ND	ND	ND	1.52	ND	0.10	ND	ND	ND	ND	ND	0.003	ND	ND	5.48	711	
B-004	03-16-15	65	16	19	7	ND	189	124	8	ND	ND	ND	12	440	565	155	7.6	ND	0.032	ND	ND	ND	ND	ND	2.29	ND	0.10	ND	ND	ND	ND	ND	0.003	ND	ND	3.42	641	
B-004	06-16-15	66	16	21	8	ND	192	119	6	ND	ND	ND	12	360	536	158	7.4	ND	0.038	ND	ND	ND	ND	ND	2.63	ND	0.10	ND	ND	ND	ND	ND	0.023	ND	ND	3.11	696	
B-004	09-09-15	57	14	18	6	ND	169	116	5	0.4	ND	ND	11	340	569	139	7.7	ND	0.031	ND	ND	ND	ND	ND	1.58	ND	0.09	ND	ND	ND	ND	ND	ND	ND	2.98	657		
B-004	12-09-15	59	14	20	7	ND	182	114	5	0.9	ND	ND	12	340	550	149	7.6	ND	0.028	ND	ND	ND	ND	ND	1.43	ND	0.09	ND	ND	ND	ND	ND	ND	ND	3.05	533		
B-004	03-08-16	65	16	22	7	ND	179	119	5	0.6	ND	ND	13	340	542	146	7.7	ND	0.023	ND</																		

Mine Unit 1 Groundwater Quality Summary

WELL NUMBER:	SAMPLE DATE:	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Alkalinity, Carbonate (CO3)	Alkalinity, Bicarbonate (HCO3)	Sulfate (SO4)	Chloride (Cl)	Ammonia (as N)	Nitrate (NO2+NO3)	Fluoride (F)	Silica (SiO2)	Total Dissolved Solids (TDS) @ 180 C	Conductivity (uMhos/cm)	Alkalinity as CaCO3 (Alk)	pH	Aluminum (Al)	Arsenic (As)	Barium (Ba)	Boron (B)	Cadmium (Cd)	Chromium (Cr)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Manganese (Mn)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Selenium (Se)	Vanadium (V)	Zinc (Zn)	UDB001 (UDB as mg/L U)	Radium-226 (Ra-226) (pCi/L)
Wellhead Detection	1	1	1	1	1	5	5	1	1	0.1	0.1	0.1	1.0	10	5	5	1-14	0.1	0.001	0.1	0.1	0.001	0.01	0.01	0.05	0.01	0.01	0.001	0.01	0.05	0.001	0.1	0.01	0.0001	0.02
WV	72.62	17.36	22.53	7.27	0.1	228.19	113.1	4.2	0.05	0.10	0.32	17.0	328.8	572.5	185.88	7.40	NE	0.001	NE	0.10	0.01	0.05	0.05	NE	0.05	NE	0.02	NE	0.1	NE	0.001	0.1	0.01	0.0045	726
Clear Use	NA	NA	NA	NA	NA	NA	NA	II (0.09)	II (0.09)	I (0.5)	I (1.0)	I (4.0)	NA	I (500)	NA	NA	II (0.5-8.5)	II (5.0)	I (0.05)	I (2.0)	II (0.75)	II (0.05)	II (0.2)	I (0.3)	I (0.015)	I (0.05)	I (0.001)	NA	II (0.2)	II (0.02)	II (0.1)	II (2.0)	NA	I (5)	
HCL Inflow	NA	NA	NA	NA	NA	NA	NA	250.0	250.0	NA	NA	1.00	4	NA	NA	NA	NA	NA	0.051	2	NA	0.005	0.1	1.3	NA	0.015	NA	0.002	NA	0.05	NA	NA	0.03	5	
HCL Inflow	NA	NA	NA	NA	NA	NA	NA	250.0	250.0	NA	NA	2	NA	250.0	NA	NA	7.8	NA	0.051	2	NA	0.005	0.1	1.3	NA	0.015	NA	0.002	NA	0.05	NA	NA	0.03	5	
B-008 09-15-14	69	17	14	8	ND	199	95	19	ND	0	0.2	12	390	568	163	7.8	ND	0.012	ND	ND	ND	ND	ND	1.02	ND	0.08	ND	ND	ND	ND	0.010	ND	ND	1.07	556
B-008 12-15-14	54	14	11	7	ND	178	57	16	ND	ND	0.2	11	280	469	146	7.7	ND	0.013	ND	ND	ND	ND	ND	1.14	ND	0.07	ND	ND	ND	ND	0.047	ND	ND	0.89	403
B-008 03-16-15	50	12	12	6	ND	188	45	21	ND	ND	0.3	11	320	455	154	7.9	ND	0.012	ND	ND	ND	ND	ND	1.37	ND	0.07	ND	ND	ND	ND	0.060	ND	ND	0.46	458
B-008 06-15-15	48	11	12	6	ND	182	48	15	ND	ND	0.2	11	240	412	149	7.9	ND	0.009	ND	ND	ND	ND	ND	0.88	ND	0.07	ND	ND	ND	ND	0.059	ND	ND	0.74	438
B-008 09-09-15	51	12	12	7	ND	174	56	11	ND	ND	0.2	11	270	468	143	7.9	ND	0.008	ND	ND	ND	ND	ND	0.82	ND	0.07	ND	ND	ND	ND	0.039	ND	ND	0.94	444
B-008 12-09-15	58	14	13	8	ND	199	70	11	0.2	ND	0.3	11	290	498	163	7.8	ND	0.005	ND	ND	ND	ND	ND	0.64	ND	0.07	ND	ND	ND	ND	0.013	ND	ND	1.30	460
B-008 03-08-16	60	15	13	7	ND	192	67	10	ND	ND	0.2	12	280	487	157	7.9	ND	0.004	ND	ND	ND	ND	ND	0.70	ND	0.07	ND	ND	ND	ND	0.007	ND	ND	0.90	544
B-008 06-07-16																																			
B-008 09-28-16																																			
B-008 12-14-16																																			
B-008 03-08-17	53	13	12	8	ND	181	58	8	0.2	ND	0.3	11	270	339	149		ND	0.005	ND	ND	ND	ND	ND	0.57	ND	ND	0.06	ND	ND	ND	0.003	ND	ND	0.83	461
B-009 09-15-14	93	22	17	9	ND	238	127	22	ND	ND	ND	16	500	722	195	7.7	ND	0.006	ND	ND	ND	ND	ND	1.83	ND	0.15	ND	ND	ND	ND	0.011	ND	ND	1.29	302
B-009 12-15-14	73	18	14	8	ND	220	92	17	ND	ND	0.2	14	360	605	180	7.5	ND	0.009	ND	ND	ND	ND	ND	2.05	ND	0.11	ND	ND	ND	ND	0.005	ND	ND	1.11	246
B-009 03-16-15	62	16	15	8	ND	211	89	16	0.7	ND	0.2	14	360	558	173	7.8	ND	0.025	ND	ND	ND	ND	ND	3.46	ND	0.17	ND	ND	ND	ND	0.008	ND	ND	0.93	227
B-009 06-15-15	70	17	16	8	ND	210	97	14	0.3	ND	0.2	14	360	543	172	7.6	ND	0.016	ND	ND	ND	ND	ND	2.74	ND	0.17	ND	ND	ND	ND	0.003	ND	ND	0.93	251
B-009 09-09-15	53	13	12	7	ND	208	46	10	1.3	ND	0.2	14	280	502	171	8	ND	0.048	ND	ND	ND	ND	ND	3.14	ND	0.13	ND	ND	ND	ND	0.006	ND	ND	0.82	185
B-009 12-09-15	77	18	15	8	ND	238	100	16	0.4	ND	0.2	14	390	637	195	7.7	ND	0.015	ND	ND	ND	ND	ND	2.26	ND	0.17	ND	ND	ND	ND	0.002	ND	ND	1.06	213
B-009 03-08-16	80	19	16	8	ND	228	101	16	0.4	ND	0.2	15	370	617	187	7.8	ND	0.016	ND	ND	ND	ND	ND	2.44	ND	0.17	ND	ND	ND	ND	0.002	ND	ND	0.87	280
B-009 06-07-16																																			
B-009 09-28-16																																			
B-009 12-14-16																																			
B-009 03-08-17	87	20	18	8	ND	260	121	19	0.2	ND	0.2	14	460	668	213		ND	0.009	ND	ND	ND	ND	ND	1.53	ND	0.17	ND	ND	ND	ND	ND	ND	ND	0.90	303
B-010 09-15-14	80	18	16	9	ND	227	101	15	ND	ND	ND	13	420	635	186	7.9	ND	0.003	ND	ND	ND	ND	ND	0.48	ND	0.08	ND	ND	ND	ND	0.055	ND	ND	1.23	235
B-010 12-15-14	82	20	16	9	ND	242	96	17	ND	ND	0.2	13	430	655	199	7.7	ND	0.004	ND	ND	ND	ND	ND	0.42	ND	0.08	ND	ND	ND	ND	0.065	ND	ND	1.25	275
B-010 03-16-15	101	24	19	10	ND	293	138	25	ND	ND	ND	13	620	795	240	7.9	ND	0.002	ND	ND	ND	ND	ND	0.45	ND	0.1	ND	ND	ND	ND	0.030	ND	ND	2.04	354
B-010 06-15-15	133	32	23	13	ND	377	179	32	ND	ND	ND	15	710	987	309	7.8	ND	0.003	ND	ND	ND	ND	ND	0.83	ND	0.14	ND	ND	ND	ND	0.055	ND	ND	3.09	431
B-010 09-09-15	98	25	18	10	ND	267	141	25	ND	ND	ND	13	530	846	235	7.9	ND	0.002	ND	ND	ND	ND	ND	0.46	ND	0.11	ND	ND	ND	ND	0.003	ND	ND	2.29	320
B-010 12-09-15	107	26	19	11	ND	309	148	26	ND	ND	ND	14	550	849	253	7.8	ND	ND	ND	ND	ND	ND	ND	0.49	ND	0.12	ND	ND	ND	ND	0.006	ND	ND	2.63	320
B-010 03-08-16	117	29	20	10	ND	310	152	28	ND	ND	ND	15	540	861	254	7.9	ND	ND	ND	ND	ND	ND	ND	0.55	ND	0.12	ND	ND	ND	ND	0.004	ND	ND	2.08	349
B-010 06-07-16																																			
B-010 09-28-16	107				ND	334	152						570			274																			
B-010 12-15-16							134	25								234																			
B-010 03-08-17	102	23	19	10	ND	295	140	26	ND	ND	0.2	13	540	756	242		ND	ND	ND	ND	ND	ND	ND	0.41	ND	0.11	ND	ND	ND	ND	0.004	ND	ND	2.24	360
B-011 09-16-14	50	11	11	6	ND	167	57	10	ND	ND	0.2	13	270	421	137	8	ND	0.006	ND	ND	ND	ND	ND	0.73	ND	0.05	ND	ND	ND	ND	0.006	ND	ND	0.65	187
B-011 12-15-14	60	14	12	7	ND	202	69	13	ND	ND	0.2	13	320	488	166	7.8	ND	0.002	ND	ND	ND	ND	ND	ND	ND	0.04	ND	ND	ND	ND	0.023	ND	ND	1.50	215
B-011 03-16-15	68	16	14	7	ND	223	76	13	ND	ND	0.2	12	360	546	183	7.9	ND	0.002	ND	ND	ND	ND	ND	0.67	ND	0.05	ND	ND	ND	ND	0.005	ND	ND	1.40	249
B-011 06-15-15	80	18	17	8	ND	273	88	14	ND	ND	0.2	13	400	614	224	7.8	ND	0.003	ND	ND	ND	ND	ND	0.32	ND	0.07	ND	ND	ND	ND	0.014	ND	ND	1.67	292
B-011 09-09-15	62	15	12	7	ND	222	71	12	ND	ND	0.2	12	330	567	182	7.9	ND	0.003	ND	ND	ND	ND	ND	0.34	ND	0.06	ND	ND	ND	ND	0.010	ND	ND	1.15	184
B-011 12-09-15	82	19	16	8	ND	270	86	15	ND	ND	0.2	13	400	652	222	7.8	ND	0.002	ND	ND	ND	ND	ND	0.21	ND	0.07	ND	ND	ND	ND	0.009	ND	ND	1.62	269
B-011 03-08-16	97	22	18	8	ND	298	98	18	ND	ND	0.2	14	440	723	244	7.9	ND	ND	ND	ND	ND	ND	ND	0.18	ND	0.08	ND	ND	ND	ND	0.007	ND	ND	1.23	280
B-011 06-07-16																																			
B-011 09-28-16	99				ND	314	113	21					258			258																			
B-011 12-15-16	94						116	21					510			259																			
B-011 03-08-17	114	25	19	10	ND	333	140	26	ND	ND	0.2	13	540	770																					

Mine Unit 1 Groundwater Quality Summary

WELL NUMBER:	SAMPLE DATE:	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Alkalinity, Carbonate (CO3)	Alkalinity, Bicarbonate (HCO3)	Sulfate (SO4)	Chloride (Cl)	Ammonia (as N)	Nitrate (NO2+NO3)	Fluoride (F)	Silica (SiO2)	Total Dissolved Solids (TDS) @ 185 C	Conductivity (uMhos/cm)	Alkalinity as CaCO3 (Alk)	pH	Aluminum (Al)	Arsenic (As)	Barium (Ba)	Boron (B)	Cadmium (Cd)	Chromium (Cr)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Manganese (Mn)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Selenium (Se)	Vanadium (V)	Zinc (Z)	Uranium (U) (as mg/l U)	Radium-226 (Ra-226) (dpm/l)	
	Method Detection	1	1	1	1	5	5	1	1	0.1	0.1	0.1	1.0	10	5	5	1-14	0.1	0.001	0.1	0.1	0.001	0.01	0.01	0.05	0.01	0.01	0.001	0.01	0.05	0.001	0.1	0.01	0.0003	0.2	
	WV	72.62	17.36	22.53	7.27	0.1	228.19	113.1	4.2	0.05	0.10	0.32	17.0	328.8	572.5	185.88	7.40	NE	0.001	NE	0.10	0.01	0.05	NE	0.05	NE	0.02	NE	0.1	NE	0.001	0.1	0.01	0.0645	726	
	Chloride	NA	NA	NA	NA	NA	NA	II (200)	II (200)	I (0.5)	I (1.0)	I (4.0)	NA	I (500)	NA	NA	II (5.0)	I (0.05)	I (2.0)	II (0.75)	II (0.01)	II (0.05)	II (0.2)	I (0.3)	I (0.015)	I (0.05)	I (0.001)	NA	II (0.2)	II (0.02)	II (0.1)	II (2.0)	NA	I (5)		
	HCL Titration	NA	NA	NA	NA	NA	NA	280.0	290.0	NA	NA	2	NA	598.0	NA	NA	0.05-0.3	NA	NA	NA	NA	NA	NA	1	0.3	NA	0.005	NA	0.002	NA	NA	0.05	NA	NA	0.03	5
	HCL Titration	NA	NA	NA	NA	NA	NA	280.0	290.0	NA	NA	2	NA	598.0	NA	NA	0.05-0.3	NA	NA	NA	NA	NA	NA	1	0.3	NA	0.005	NA	0.002	NA	NA	0.05	NA	NA	0.03	5
B-015	09-16-14	41	10	10	6	ND	125	61	10	ND	ND	0.2	14	230	353	102	7.8	ND	0.025	ND	ND	ND	ND	ND	1.34	ND	0.07	ND	ND	ND	ND	ND	ND	0.24	579	
B-015	12-15-14	29	6	9	4	ND	102	34	12	ND	ND	0.2	13	180	279	84	7.6	ND	0.026	ND	ND	ND	ND	ND	1.42	ND	0.05	ND	ND	ND	ND	ND	ND	0.08	480	
B-015	03-16-15	24	5	8	4	ND	100	19	9	0.2	ND	0.3	13	130	232	82	7.8	ND	0.027	ND	ND	ND	ND	ND	1.14	ND	0.04	ND	ND	ND	ND	ND	ND	0.06	406	
B-015	06-15-15	23	5	8	4	ND	95	22	5	0.2	ND	0.3	13	120	209	79	7.7	ND	0.029	ND	ND	ND	ND	ND	1.10	ND	0.04	ND	ND	ND	ND	ND	ND	0.07	349	
B-015	09-09-15	22	5	8	4	ND	91	21	4	ND	ND	0.2	13	140	233	76	7.9	ND	0.027	ND	ND	ND	ND	ND	1.07	ND	0.04	ND	ND	ND	ND	ND	ND	0.06	335	
B-015	12-09-15	21	5	8	4	ND	91	23	2	ND	ND	0.2	13	120	208	75	7.7	ND	0.022	ND	ND	ND	ND	ND	1.07	ND	0.04	ND	ND	ND	ND	ND	ND	0.08	285	
B-015	03-08-16	23	5	8	4	ND	92	24	2	ND	ND	0.2	15	130	220	76	7.7	ND	0.020	ND	ND	ND	ND	ND	1.26	ND	0.04	ND	ND	ND	ND	ND	ND	0.06	417	
B-015	06-07-16																																			
B-015	09-28-16																																			
B-015	12-15-16																																			
B-015	03-07-17	26	6	9	5	ND	101	33	3	ND	ND	0.2	14	160	230	83		ND	0.022	ND	ND	ND	ND	ND	1.32	ND	0.05	ND	ND	ND	ND	ND	ND	0.11	410	
B-016	09-15-14	51	13	11	8	ND	146	81	10	0.4	ND	0.2	14	290	410	120	7.9	ND	0.005	ND	ND	ND	ND	ND	4.65	ND	0.10	ND	ND	ND	ND	ND	ND	0.31	265	
B-016	12-15-14	51	13	11	7	ND	159	80	12	ND	ND	0.2	13	300	453	131	7.6	ND	0.008	ND	ND	ND	ND	ND	4.49	ND	0.10	ND	ND	ND	ND	ND	ND	0.37	250	
B-016	03-16-15	49	13	13	7	ND	163	81	11	0.2	ND	0.2	13	300	457	134	7.6	ND	0.011	ND	ND	ND	ND	ND	4.99	ND	0.11	ND	ND	ND	ND	ND	ND	0.35	260	
B-016	06-15-15	54	14	14	8	ND	172	81	10	0.2	ND	0.2	14	290	451	141	7.5	ND	0.012	ND	ND	ND	ND	ND	5.33	ND	0.11	ND	ND	ND	ND	ND	ND	0.39	269	
B-016	09-09-15	47	13	11	7	ND	159	69	9	0.2	ND	0.2	12	270	478	131	8.1	ND	0.008	ND	ND	ND	ND	ND	4.78	ND	0.10	ND	ND	ND	ND	ND	ND	0.29	257	
B-016	12-09-15	47	12	11	7	ND	155	69	9	0.2	ND	0.2	13	250	416	127	7.7	ND	0.004	ND	ND	ND	ND	ND	2.38	ND	0.09	ND	ND	ND	ND	ND	ND	0.27	207	
B-016	03-08-16	50	13	12	7	ND	156	67	9	0.3	ND	0.2	14	260	436	128	7.8	ND	0.004	ND	ND	ND	ND	ND	2.61	ND	0.09	ND	ND	ND	ND	ND	ND	0.23	276	
B-016	06-07-16																																			
B-016	09-28-16																								2.54											
B-016	12-15-16																																			
B-016	03-08-17	42	10	11	7	ND	146	63	8	0.3	ND	0.2	13	240	341	120		ND	0.005	ND	ND	ND	ND	ND	2.60	ND	0.08	ND	ND	ND	ND	ND	ND	0.27	240	
B-017	09-15-14	40	10	11	6	ND	122	61	8	ND	ND	0.2	12	220	356	100	8	ND	0.021	ND	ND	ND	ND	ND	1.58	ND	0.05	ND	ND	ND	ND	ND	ND	0.00	0.22	155
B-017	12-15-14	39	10	11	6	ND	121	58	9	ND	ND	0.2	12	220	347	99	7.7	ND	0.020	ND	ND	ND	ND	ND	1.15	ND	0.05	ND	ND	ND	0.002	ND	ND	0.28	137	
B-017	03-16-15	42	11	12	6	ND	131	69	13	0.2	ND	0.2	11	240	392	107	7.7	ND	0.037	ND	ND	ND	ND	ND	1.76	ND	0.05	ND	ND	ND	ND	ND	ND	0.31	142	
B-017	06-15-15	50	12	15	7	ND	142	81	15	ND	ND	0.2	12	280	431	116	7.7	ND	0.032	ND	ND	ND	ND	ND	1.58	ND	0.06	ND	ND	ND	ND	ND	ND	0.48	164	
B-017	09-09-15	51	13	13	6	ND	150	86	16	ND	ND	0.2	11	310	514	123	8	ND	0.028	ND	ND	ND	ND	ND	1.36	ND	0.06	ND	ND	ND	ND	ND	ND	0.55	159	
B-017	12-09-15	52	13	14	7	ND	150	78	15	ND	ND	0.2	12	280	461	123	7.9	ND	0.024	ND	ND	ND	ND	ND	1.32	ND	0.06	ND	ND	ND	ND	ND	ND	0.43	139	
B-017	03-08-16	59	15	15	7	ND	155	85	17	0.2	ND	0.2	13	300	495	127	7.9	ND	0.025	ND	ND	ND	ND	ND	1.67	ND	0.06	ND	ND	ND	ND	ND	ND	0.33	196	
B-017	06-07-16	55																																		
B-017	09-28-16	57				ND	168							340																						
B-017	12-15-16	56					86	16						310														0.06								
B-017	03-08-17	56	14	14	7	ND	170	89	16	0.2	ND	0.2	12	310	487	139		ND	0.027	ND	ND	ND	ND	ND	1.43	ND	0.06	ND	ND	ND	ND	ND	ND	0.41	193	
B-018	09-16-14	59	13	14	7	ND	182	71	13	ND	ND	0.2	13	310	477	149	8.2	ND	0.004	ND	ND	ND	ND	ND	0.92	ND	0.14	ND	ND	ND	ND	ND	ND	0.00	0.31	190
B-018	12-15-14	45	10	10	6	ND	158	46	10	ND	ND	0.2	12	240	360	129	7.9	ND	0.006	ND	ND	ND	ND	ND	1.10	ND	0.15	ND	ND	ND	0.002	ND	ND	0.18	169	
B-018	03-16-15	37	9	10	6	ND	135	41	8	ND	ND	0.2	12	200	332	111	8.1	ND	0.005	ND	ND	ND	ND	ND	0.93	ND	0.12	ND	ND	ND	0.005	ND	ND	0.12	150	
B-018	06-15-15	36	8	10	6	ND	133	37	7	ND	ND	0.2	13	200	302	109	8	ND	0.005	ND	ND	ND	ND	ND	0.96	ND	0.12	ND	ND	ND	0.010	ND	ND	0.09	149	
B-018	09-09-15	33	8	10	5	ND	135	30	7	ND	ND	0.2	12	190	334	110	8.2	ND	0.007	ND	ND	ND	ND	ND	0.97	ND	0.12	ND	ND	ND	0.002	ND	ND	0.09	132	
B-018	12-10-15	37	8	9	6	ND	139	35	5	ND	ND	0.2	13	180	319	114	8	ND	0.005	ND	ND	ND	ND	ND	0.89	ND	0.12	ND	ND	ND	0.002	ND	ND	0.08	119	
B-018	03-08-16	39	8	9	6	ND	132	31	5	0.2	ND	0.2	14	180	304	108	8	ND	0.005	ND	ND	ND	ND	ND	1.01	ND	0.12	ND	ND	ND	ND	ND	ND	0.06	179	
B-018	06-07-16																																			
B-018	09-28-16																																			
B-018	12-15-16																																			
B-018	03-08-17	35	8	8	6	ND	136	37	5	ND	ND	0.2	13	190	271	111		ND	0.006	ND	ND	ND	ND	ND	0.88	ND	0.11	ND	ND	ND	ND	ND	ND	0.07	179	
B-019	09-16-14</																																			

MU-1 ACL Well Inventory of Stock and Domestic Wells.xlsx

Mine Unit 1 Well Inventory of Stock and Domestic Wells within 2 km

Well Name	Alias Well Name	Easting	Northing	Ground Level Elevation MSL (FT)	Township	Range	Section	Qtr1	Qtr2	WSEO Permit No.	Permitted Uses	Permitted Maximum Flow (GPM)	Surface Owner	Total Depth (FT from Surface)	Completed Interval (FT from Surface)	Completed Interval Elevation MSL (FT)	Power Source	Operational Status	Comments
Morris #1		369033	869210	5660	36N	73W	31	SE	NE	P96158.0W	Stock	25	Vollman Ranches Inc.	200*	200*	5460*	Lined Electricity	In Service	WSEO never received Forms U.W. 6 or U.W. 8 on the well within the allowed construction period, which automatically cancels the permit. The well does exist and is currently producing water. The landowner says the completion depth is around 200 feet from surface, which he said was the first water producing sand. The well is located in the SE/NE of Section 31, even though the water well permit says the well is to be constructed in the NW/SE of Section 31.
Vollman #7		369717	875898	5562	36N	73W	30	NE	NE	P6989.0P	Stock	5	Vollman Ranches Inc.	32	0-32	5530	Windmill	Out of Service	The well was hand dug and is very shallow. The windmill is in ruins and has not produced water in years.
Vollman #2	GW-5	369036	874826	5579	36N	73W	30	SE	NE	P6984.0P	Stock	5	Vollman Ranches Inc.	100	100*	5479*	Windmill	Out of Service	The well does exist and is located at an old homestead that is in ruins. The well could potentially produce water if the windmill was reconnected, but it hasn't produced water in years.
GW-2		356148	870249	5459	36N	74W	35	NE	NW	No Permit on Record	NA	NA	BLM (Smith Sheep Co. Grazing Lease)	140*	140*	5319*	Solar Panel	In Service	WSEO has no record of a stock well drilled in this section. Landowner says the completion depth is around 140 feet from surface.
Hay Meadow #1	GW-1	361413	863477	5385	35N	74W	1	SE	NW	P164093.0W	Stock	6	Smith Sheep Co.	145	45-85	5300	Solar Panel	In Service	The well is located in the SE/NW of Section 1, even though the water well permit says the well is to be constructed in the SE/NE of Section 1. Hay Meadow #1 was actually a replacement well for Smith #35 (WSEO Permit No. P5008.0P) which was abandoned.

* Estimated Values Based from Information Provided from the Well's Owner

MU-1 Sulfide Addition Summary.xlsx

SULFIDE USAGE IN MINE UNIT 1

HH-05 Pilot Test to determining dosing rates

R:\RESTORATION CENTRAL FILES\MU 1-In Restoration\MU Specific Reports\Sodium sulfide report - October 26 2010.doc

	Lbs Na ₂ S	Lbs Na ₂ S*3H ₂ O	Bags
October 2010	1,202	2039	37

Mine Unit 1 Sulfide additions (Injected at the CPP)

[\\cody66\central plant\L_CP\Operations\Erik\Restoration\2011](#)

[\\cody66\central plant\L_CP\Operations\Erik\Restoration\2012](#)

[\\cody66\central plant\L_CP\Operations\Erik\Restoration\2013](#)

(Note: Bags mixed include ~ 131 bags sent to MU4-4 in 2011)

(Lbs Na₂S Injected is correct for the amount sent to MU-1)

Mine Unit 1	Dry Lbs. Na ₂ S injected per month	Na ₂ S*hydrate injected for month	Bags mixed for the month
July 2011	1001	1699	74
August 2011	1473	2491	147
September 2011	338	575	0
October 2011	3249	5507	119
November 2011	2309	3902	48
December 2011	1472	2505	56
January 2012	1069	1812	36
February 2012	228	386	0
March 2012	0	0	0
April 2012	0	0	0
May 2012	155	263	0
June 2012	455	771	18
July 2012	315	534	0
August 2012	788	1336	36
September 2012	980	1661	36
October 2012	580	984	0
November 2012	418	709	18
December 2012	450	763	18
January 2013	643	1088	18
February 2013	0	0	0
March 2013	486	823	10
April 2013	1162	1969	44
May 2013	0	0	0
June 2013	0	0	0
Total (Dry) Lbs Na₂S	17,571	29777	678

CURRENT Mine Unit 1 Data – Restoration Parameters.xls

	Date	Conductivity (uS/cm)	RTV@57	Chloride (mg/L)	RTV@4.2	U3O8 (mg/L)	U-nat. (mg/L)	RTV@0.06	Alkalinity (mg/L)	RTV@185	Internal/E xternal Lab
	B-001										
	8/16/2010	498.20	573.00	28.10	4.20	0.82	0.70	0.07		185.90	
	9/11/2010	677.70	573.00	30.00	4.20	0.86	0.73	0.07		185.90	
	10/4/2010	660.00	573.00	34.40	4.20	0.75	0.64	0.07	189.00	185.90	
	12/14/2010	646.00	573.00	27.00	4.20	0.70	0.59	0.07		185.90	
	2/7/2011	525.00	573.00	22.70	4.20			0.07	138.00	185.90	08 from EC
	4/15/2011	420.00	573.00	22.50	4.20			0.07	126.00	185.90	08 from EC
	6/14/2011	374.00	573.00	12.00	4.20		0.29	0.07	94.00	185.90	e
	7/20/2011	352.40	573.00	12.00	4.20		0.24	0.07	88.00	185.90	e
	8/17/2011	413.60	573.00	17.00	4.20		0.24	0.07	81.00	185.90	e
	9/14/2011	351.70	573.00	13.00	4.20		0.19	0.07	77.00	185.90	e
	10/12/2011	330.00	573.00	10.00	4.20		0.17	0.07	74.00	185.90	e
	11/9/2011	444.50	573.00	12.00	4.20		0.18	0.07	72.00	185.90	e
	12/15/2011	356.00	573.00	11.00	4.20		0.16	0.07	76.00	185.90	e
	1/12/2012	290.60	573.00	8.00	4.20		0.16	0.07	73.00	185.90	e
	2/7/2012	247.00	573.00	7.00	4.20		0.17	0.07	70.00	185.90	i
	4/11/2012	245.00	573.00	7.00	4.20	0.10	0.08	0.07	87.00	185.90	
	6/13/2012	250.00	573.00	8.00	4.20	0.20	0.17	0.07	77.00	185.90	i
	8/14/2012	268.00	573.00	7.00	4.20	0.10	0.08	0.07	81.00	185.90	i
	10/8/2012	306.00	573.00	6.00	4.20	0.20	0.17	0.07	93.00	185.90	i
	12/10/2012	240.00	573.00	5.40	4.20	0.37	0.31	0.07	77.00	185.90	i
	2/7/2013	279.00	573.00	6.00	4.20	0.30	0.25	0.07	95.00	185.90	i
	4/7/2013	264.00	573.00	6.00	4.20	0.10	0.08	0.07	90.00	185.90	i
	6/4/2013	291.00	573.00	6.00	4.20	0.50	0.42	0.07	108.00	185.90	i
	8/1/2013	229.00	573.00	6.00	4.20	0.30	0.25	0.07	71.00	185.90	i
	10/2/2013	252.00	573.00	6.00	4.20	0.10	0.08	0.07	92.00	185.90	i
	12/2/2013	235.00	573.00	7.00	4.20	0.10	0.08	0.07	73.00	185.90	i
	1/27/2014	361.00	573.00	6.00	4.20	0.50	0.42	0.07	70.00	185.90	i
	3/28/2014	239.00	573.00	5.00	4.20	1.80	1.53	0.07	79.00	185.90	i
	5/22/2014	317.00	573.00	6.00	4.20	0.08	0.07	0.07	79.00	185.90	i
	7/17/2014	266.00	573.00	6.00	4.20	0.08	0.07	0.07	82.00	185.90	i
	9/15/2014	284.00	573.00	5.00	4.20		0.04	0.07	80.00	185.90	e IML
	12/15/14	329.00	573.00	7.00	4.20		0.02	0.07	96.00	185.90	e IML
	3/16/2015	402.00	573.00	11.00	4.20		0.03	0.07	102.00	185.90	e IML
	6/15/2015	389.00	573.00	10.00	4.20		0.03	0.07	107.00	185.90	e IML
	9/9/2015	504.00	573.00	14.00	4.20		0.05	0.07	103.00	185.90	e IML
	12/10/2015	481.00	573.00	10.00	4.20		0.07	0.07	114.00	185.90	e IML
	3/8/2016	409.00	573.00	9.00	4.20		0.04	0.07	104.00	185.90	e IML
	3/10/2017	333	573.0	10	4.2		0.0829	0.065	98	185.90	e IML
no June 2016 graphs due to only 6 B wells with analytical samples											

	Date	Conductivity (uS/cm)	RTV@57.3	Chloride (mg/L)	RTV@4.2	U3O8 (mg/L)	U-nat. (mg/L)	RTV@0.06	Alkalinity (mg/L)	RTV@185	Internal/E xternal Lab
	B-002										
	8/16/2010	677.50	573.00	49.50	4.20	3.42	2.90	0.07		185.90	
	9/11/2010	1014.00	573.00	56.60	4.20	5.54	4.70	0.07		185.90	
	10/4/2010	1161.00	573.00	73.90	4.20	6.29	5.33	0.07	338.00	185.90	
	12/14/2010	1374.00	573.00	83.00	4.20	10.30	8.73	0.07		185.90	
	2/7/2011	1295.00	573.00	83.50	4.20		10.94	0.07	328.00	185.90	08 from EC
	4/15/2011	1314.00	573.00	69.60	4.20		9.75	0.07	314.00	185.90	08 from EC
	6/14/2011	1251.00	573.00	58.00	4.20		8.48	0.07	294.00	185.90	e
	7/20/2011	1165.60	573.00	52.00	4.20		6.90	0.07	283.00	185.90	
	8/17/2011	1232.70	573.00	57.00	4.20		6.86	0.07	271.00	185.90	
	9/14/2011	1010.10	573.00	45.00	4.20		4.80	0.07	237.00	185.90	
	10/12/2011	1016.00	573.00	42.00	4.20		4.60	0.07	223.00	185.90	
	11/9/2011	1200.90	573.00	38.00	4.20		4.43	0.07	228.00	185.90	
	12/15/2011	1043.00	573.00	42.00	4.20		4.67	0.07	232.00	185.90	
	1/12/2012	904.00	573.00	36.00	4.20		4.83	0.07	217.00	185.90	
	2/7/2012	715.00	573.00	30.00	4.20		3.39	0.07	205.00	185.90	
	4/11/2012	803.00	573.00	34.00	4.20	4.80	4.07	0.07	217.00	185.90	i
	6/13/2012	794.00	573.00	36.00	4.20	5.30	4.49	0.07	235.00	185.90	i
	8/14/2012	753.00	573.00	33.00	4.20	5.10	4.32	0.07	226.00	185.90	i
	10/8/2012	861.00	573.00	30.00	4.20	4.10	3.48	0.07	217.00	185.90	
	12/10/2012	743.00	573.00	30.20	4.20	5.00	4.24	0.07	213.00	185.90	
	2/7/2013	709.00	573.00	25.00	4.20	3.30	2.80	0.07	207.00	185.90	
	4/7/2013	603.00	573.00	22.00	4.20	2.90	2.46	0.07	172.00	185.90	i
	6/4/2013	471.00	573.00	17.00	4.20	2.30	1.95	0.07	140.00	185.90	i
	8/1/2013	446.00	573.00	14.00	4.20	2.20	1.87	0.07	134.00	185.90	i
	10/2/2013	438.00	573.00	13.00	4.20	2.00	1.70	0.07	115.00	185.90	i
	12/2/2013	379.00	573.00	12.00	4.20	1.50	1.27	0.07	125.00	185.90	i
	1/27/2014	656.00	573.00	24.00	4.20	4.00	3.39	0.07	164.00	185.90	i
	3/28/2014	371.00	573.00	11.00	4.20	1.90	1.61	0.07	113.00	185.90	i
	5/22/2014	366.00	573.00	8.00	4.20	1.10	0.93	0.07	88.00	185.90	i
	7/17/2014	440.00	573.00	13.00	4.20	0.90	0.76	0.07	122.00	185.90	i
	9/15/2014	476.00	573.00	14.00	4.20		1.72	0.07	121.00	185.90	e IML
	12/15/14	659.00	573.00	19.00	4.20		2.28	0.07	192.00	185.90	e IML
	3/16/2015	674.00	573.00	18.00	4.20		2.31	0.07	203.00	185.90	e IML
	6/15/2015	593.00	573.00	14.00	4.20		1.59	0.07	211.00	185.90	e IML
	9/9/2015	632.00	573.00	13.00	4.20		1.56	0.07	177.00	185.90	e IML
	12/10/2015	543.00	573.00	11.00	4.20		1.27	0.07	174.00	185.90	e IML
	3/8/2016	522.00	573.00	11.00	4.20		0.794	0.07	163.00	185.90	e IML
	3/10/2017	375	573.0	9	4.2		0.852	0.065	147	185.90	e IML

	Date	Conductivity (uS/cm)	RTV@573	Chloride (mg/L)	RTV@4.2	U3O8 (mg/L)	U-nat. (mg/L)	RTV@0.06	Alkalinity (mg/L)	RTV@185	Internal/E xternal Lab
	B-003										
	8/16/2010	572.90	573.00	22.30	4.20	1.51	1.28	0.07		185.90	
	9/11/2010	613.20	573.00	21.90	4.20	1.70	1.44	0.07		185.90	
	10/4/2010	646.00	573.00	27.30	4.20	1.68	1.42	0.07	202.00	185.90	
	12/14/2010	638.00	573.00	30.00	4.20	1.50	1.27	0.07		185.90	
	2/7/2011	545.00	573.00	23.40	4.20		1.19	0.07	148.00	185.90	08 from EC
	4/15/2011	503.00	573.00	20.80	4.20		0.42	0.07	139.00	185.90	08 from EC
	6/14/2011	462.00	573.00	14.00	4.20		0.93	0.07	123.00	185.90	
	7/20/2011		573.00		4.20			0.07		185.90	
	8/17/2011		573.00		4.20			0.07		185.90	
	9/14/2011		573.00		4.20			0.07		185.90	
	10/12/2011		573.00		4.20			0.07		185.90	
	11/9/2011		573.00		4.20			0.07		185.90	
	12/15/2011	367.00	573.00	9.00	4.20		0.58	0.07	90.00	185.90	
	1/12/2012	310.50	573.00	8.00	4.20		0.53	0.07	81.00	185.90	
	2/7/2012	277.80	573.00	8.00	4.20		0.42	0.07	83.00	185.90	
	4/11/2012	301.00	573.00	8.00	4.20	0.40	0.34	0.07	95.00	185.90	i
	6/13/2012	250.00	573.00	7.00	4.20	0.50	0.42	0.07	79.00	185.90	i
	8/14/2012	235.00	573.00	7.00	4.20	0.50	0.42	0.07	77.00	185.90	i
	10/8/2012	367.00	573.00	7.00	4.20	0.40	0.34	0.07	105.00	185.90	
	12/10/2012	255.00	573.00	5.00	4.20	0.49	0.41	0.07	87.00	185.90	i
	2/7/2013	346.00	573.00	8.00	4.20	0.30	0.25	0.07	187.00	185.90	i
	4/7/2013	193.00	573.00	5.00	4.20	0.10	0.08	0.07	71.00	185.90	i
	6/4/2013	226.00	573.00	5.00	4.20	0.30	0.25	0.07	72.00	185.90	i
	8/1/2013	253.00	573.00	5.00	4.20	0.50	0.42	0.07	72.00	185.90	i
	10/2/2013	352.00	573.00	5.00	4.20	0.30	0.25	0.07	83.00	185.90	i
	12/2/2013	350.00	573.00	5.00	4.20	0.20	0.17	0.07	104.00	185.90	i
	1/27/2014	454.00	573.00	6.00	4.20	0.50	0.42	0.07	104.00	185.90	i
	3/28/2014	397.00	573.00	6.00	4.20	0.90	0.76	0.07	112.00	185.90	i
	5/22/2014	494.00	573.00	6.00	4.20	0.40	0.34	0.07	117.00	185.90	i
	7/17/2014	447.00	573.00	6.00	4.20	0.08	0.07	0.07	122.00	185.90	i
	9/15/2014	465.00	573.00	5.00	4.20		0.38	0.07	117.00	185.90	e IML
	12/15/14	499.00	573.00	6.00	4.20		0.23	0.07	133.00	185.90	e IML
	3/16/2015	509.00	573.00	6.00	4.20		0.25	0.07	134.00	185.90	e IML
	6/15/2015	493.00	573.00	5.00	4.20		0.27	0.07	140.00	185.90	e IML
	9/9/2015	565.00	573.00	5.00	4.20		0.42	0.07	136.00	185.90	e IML
	12/10/2015	525.00	573.00	5.00	4.20		1.02	0.07	136.00	185.90	e IML
	3/8/2016	541.00	573.00	5.00	4.20		0.51	0.07	145.00	185.90	e IML
	3/10/2017	514	573.0		5	4.2	0.901	0.065	137	185.90	e IML

	Date	Conductivity (uS/cm)	RTV@57	Chloride (mg/L)	RTV@4.2	U3O8 (mg/L)	U-nat. (mg/L)	RTV@0.06	Alkalinity (mg/L)	RTV@185	Internal/E xternal Lab
	B-004										
	8/16/2010		573.00	18.10	4.20	7.12	6.04	0.07		185.90	
	9/11/2010	438.80	573.00	14.70	4.20	6.73	5.71	0.07		185.90	
	10/4/2010	643.00	573.00	22.70	4.20	6.29	5.33	0.07	210.00	185.90	
	12/14/2010	696.00	573.00	30.00	4.20	4.00	3.39	0.07		185.90	
	2/7/2011	439.00	573.00	15.60	4.20		3.22	0.07	126.00	185.90	08 from EC
	4/15/2011	351.00	573.00	10.20	4.20		0.85	0.07	102.00	185.90	08 from EC
	6/14/2011	262.00	573.00	7.00	4.20		2.57	0.07	77.00	185.90	
	7/20/2011	406.10	573.00	17.00	4.20		1.78	0.07	73.00	185.90	
	8/17/2011	315.10	573.00	10.00	4.20		1.49	0.07	76.00	185.90	
	9/14/2011	313.90	573.00	9.00	4.20		2.12	0.07	80.00	185.90	
	10/12/2011	277.00	573.00	7.00	4.20		1.95	0.07	72.00	185.90	
	11/9/2011	391.40	573.00	9.00	4.20		2.06	0.07	71.00	185.90	
	12/15/2011	277.00	573.00	7.00	4.20		1.61	0.07	79.00	185.90	
	1/12/2012	203.60	573.00	4.00	4.20		1.49	0.07	65.00	185.90	
	2/7/2012	189.00	573.00	4.00	4.20		1.36	0.07	67.00	185.90	
	4/11/2012	437.00	573.00	13.00	4.20	4.40	3.73	0.07	109.00	185.90	i
	6/13/2012	203.00	573.00	5.00	4.20	1.70	1.44	0.07	69.00	185.90	i
	8/14/2012	218.00	573.00	6.00	4.20	2.10	1.78	0.07	73.00	185.90	i
	10/8/2012	307.00	573.00	6.00	4.20	1.90	1.61	0.07	103.00	185.90	
	12/10/2012	267.00	573.00	6.40	4.20	1.62	1.37	0.07	85.00	185.90	
	2/7/2013	402.00	573.00	11.00	4.20	2.70	2.29	0.07	111.00	185.90	i
	4/7/2013	490.00	573.00	12.00	4.20	5.40	4.58	0.07	133.00	185.90	i
	6/4/2013	578.00	573.00	14.00	4.20	8.20	6.95	0.07	175.00	185.90	i
	8/1/2013	513.00	573.00	11.00	4.20	7.40	6.28	0.07	142.00	185.90	i
	10/2/2013	175.00	573.00	3.00	4.20	0.90	0.76	0.07	56.00	185.90	i
	12/2/2013	206.00	573.00	4.00	4.20	0.90	0.76	0.07	67.00	185.90	i
	1/27/2014	310.00	573.00	5.00	4.20	1.00	0.85	0.07	72.00	185.90	i
	3/28/2014	306.00	573.00	7.00	4.20	3.10	2.63	0.07	91.00	185.90	i
	5/22/2014	493.00	573.00	6.00	4.20	7.50	6.36	0.07	114.00	185.90	i
	7/17/2014	473.00	573.00	7.00	4.20	2.70	2.29	0.07	126.00	185.90	i
	9/15/2014	441.00	573.00	6.00	4.20		4.25	0.07	136.00	185.90	e IML
	12/15/14	543.00	573.00	7.00	4.20	5.48	4.65	0.07	147.00	185.90	e IML
	3/16/2015	565.00	573.00	8.00	4.20		3.42	0.07	155.00	185.90	e IML
	6/15/2015	536.00	573.00	6.00	4.20		3.11	0.07	158.00	185.90	e IML
	9/9/2015	569.00	573.00	5.00	4.20		2.98	0.07	139.00	185.90	e IML
	12/10/2015	550.00	573.00	5.00	4.20		3.05	0.07	149.00	185.90	e IML
	3/8/2016	542.00	573.00	5.00	4.20		3.22	0.07	146.00	185.90	e IML
	3/10/2017	519	573.0	6	4.2		4.65	0.065	148	185.90	

	Date	Conductivity (uS/cm)	RTV@57	Chloride (mg/L)	RTV@4.2	U3O8 (mg/L)	U-nat. (mg/L)	RTV@0.06	Alkalinity (mg/L)	RTV@185	Internal/External Lab	
	B-005											
	8/16/2010	820.00	573.00	41.20	4.20	3.79	3.21	0.07		185.90		
	9/11/2010	918.10	573.00	41.80	4.20	5.05	4.28	0.07		185.90		
	10/4/2010	939.00	573.00	49.20	4.20	4.39	3.72	0.07	317.00	185.90		
	12/14/2010	881.00	573.00	40.00	4.20	4.60	3.90	0.07		185.90		
	2/7/2011	757.00	573.00	34.20	4.20		3.56	0.07	216.00	185.90	08 from EC	
	4/15/2011	727.00	573.00	31.10	4.20		2.29	0.07	189.00	185.90	08 from EC	
	6/14/2011	931.00	573.00	40.00	4.20		4.11	0.07	238.00	185.90		
	7/20/2011	953.10	573.00	41.00	4.20		4.18	0.07	242.00	185.90		
	8/17/2011	959.20	573.00	41.00	4.20		4.22	0.07	219.00	185.90		
	9/14/2011	993.20	573.00	45.00	4.20		4.58	0.07	225.00	185.90		
	10/12/2011	1130.00	573.00	47.00	4.20		5.15	0.07	250.00	185.90		
	11/9/2011	1275.90	573.00	39.00	4.20		4.80	0.07	235.00	185.90		
	12/15/2011	970.00	573.00	37.00	4.20		4.69	0.07	216.00	185.90		
	1/12/2012	810.20	573.00	30.00	4.20		4.35	0.07	203.00	185.90		
	2/27/2012	639.00	573.00	26.00	4.20		3.05	0.07	188.00	185.90		
	4/11/2012	695.00	573.00	25.00	4.20	3.20	2.71	0.07	190.00	185.90	i	
	6/13/2012	456.00	573.00	17.00	4.20	2.40	2.04	0.07	145.00	185.90	i	
	8/14/2012	107.00	573.00	13.00	4.20	1.60	1.36	0.07	107.00	185.90	i	
	10/8/2012	480.00	573.00	13.00	4.20	1.60	1.36	0.07	129.00	185.90		
	12/10/2012	389.00	573.00	12.00	4.20	1.74	1.47	0.07	108.00	185.90		
	2/7/2013	466.00	573.00	15.00	4.20	2.10	1.78	0.07	137.00	185.90	i	
	4/7/2013	539.00	573.00	18.00	4.20	1.50	1.27	0.07	164.00	185.90	i	
	6/4/2013	393.00	573.00	12.00	4.20	1.60	1.36	0.07	130.00	185.90	i	
	8/1/2013	511.00	573.00	17.00	4.20	1.60	1.36	0.07	157.00	185.90	i	
	10/2/2013	307.00	573.00	8.00	4.20	1.30	1.10	0.07	88.00	185.90	i	
	12/2/2013	279.00	573.00	8.00	4.20	0.50	0.42	0.07	95.00	185.90	i	
	1/27/2014	372.00	573.00	10.00	4.20	0.80	0.68	0.07	95.00	185.90	i	
	3/28/2014	293.00	573.00	7.00	4.20	1.00	0.85	0.07	101.00	185.90	i	
	5/22/2014	327.00	573.00	6.00	4.20	0.60	0.51	0.07	91.00	185.90	i	
	7/17/2014	314.00	573.00	6.00	4.20	0.08	0.07	0.07	108.00	185.90	i	
	9/15/2014	286.00	573.00	8.00	4.20		0.23	0.07	105.00	185.90	e IML	
	12/15/14	339.00	573.00	8.00	4.20		0.24	0.07	109.00	185.90	e IML	
	3/16/2015	362.00	573.00	8.00	4.20		0.22	0.07	119.00	185.90	e IML	
	6/15/2015	351.00	573.00	7.00	4.20		0.21	0.07	125.00	185.90	e IML	
	9/9/2015	432.00	573.00	10.00	4.20		0.26	0.07	136.00	185.90	e IML	
	12/10/2015	399.00	573.00	7.00	4.20		0.35	0.07	129.00	185.90	e IML	
	3/8/2016	409.00	573.00	8.00	4.20		0.26	0.07	131.00	185.90	e IML	
	3/10/2017	331	573.0		9	4.2		0.399	0.065	131	185.90	e IML
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	Date	Conductivity (uS/cm)	RTV@57	Chloride (mg/L)	RTV@4.2	U3O8 (mg/L)	U-nat. (mg/L)	RTV@0.06	Alkalinity (mg/L)	RTV@185	Internal/E xternal Lab
	B-006										
	8/16/2010		573.00	25.70	4.20	2.03	1.72	0.07		185.90	
	9/11/2010	503.20	573.00	25.00	4.20	2.52	2.14	0.07		185.90	
	10/4/2010	637.00	573.00	28.80	4.20	2.37	2.01	0.07	221.00	185.90	
	12/14/2010	640.00	573.00	26.00	4.20	2.00	1.70	0.07		185.90	
	2/7/2011	520.00	573.00	21.00	4.20		1.19	0.07	142.00	185.90	08 from EC
	4/15/2011	464.00	573.00	17.80	4.20		0.34	0.07	122.00	185.90	08 from EC
	6/14/2011	385.00	573.00	12.00	4.20		0.90	0.07	103.00	185.90	
	7/20/2011	386.30	573.00	13.00	4.20		0.70	0.07	102.00	185.90	
	8/17/2011	403.30	573.00	15.00	4.20		0.59	0.07	88.00	185.90	
	9/14/2011	365.80	573.00	13.00	4.20		0.55	0.07	85.00	185.90	
	10/12/2011	349.00	573.00	10.00	4.20		0.46	0.07	81.00	185.90	
	11/9/2011	432.10	573.00	10.00	4.20		0.46	0.07	79.00	185.90	
	12/15/2011		573.00		4.20			0.07		185.90	e
	1/12/2012	333.10	573.00	9.00	4.20		0.47	0.07	80.00	185.90	
	2/27/2012	309.00	573.00	11.00	4.20		0.51	0.07	94.00	185.90	
	4/11/2012	367.00	573.00	11.00	4.20	0.60	0.51	0.07	105.00	185.90	i
	6/13/2012	276.00	573.00	8.00	4.20	0.60	0.51	0.07	86.00	185.90	i
	8/14/2012	225.00	573.00	6.00	4.20	0.50	0.42	0.07	72.00	185.90	i
	10/8/2012	290.00	573.00	6.00	4.20	0.40	0.34	0.07	92.00	185.90	
	12/10/2012	238.00	573.00	5.30	4.20	0.57	0.48	0.07	69.00	185.90	
	2/7/2013	277.00	573.00	7.00	4.20	0.60	0.51	0.07	82.00	185.90	i
	4/7/2013	264.00	573.00	7.00	4.20	0.30	0.25	0.07	76.00	185.90	i
	6/4/2013	310.00	573.00	9.00	4.20	0.60	0.51	0.07	89.00	185.90	i
	8/1/2013	369.00	573.00	7.00	4.20	0.70	0.59	0.07	120.00	185.90	i
	10/2/2013	306.00	573.00	6.00	4.20	0.50	0.42	0.07	79.00	185.90	i
	12/2/2013	322.00	573.00	7.00	4.20	0.30	0.25	0.07	92.00	185.90	i
	1/27/2014	386.00	573.00	8.00	4.20	0.40	0.34	0.07	88.00	185.90	i
	3/28/2014	332.00	573.00	8.00	4.20	0.80	0.68	0.07	96.00	185.90	i
	5/22/2014	474.00	573.00	9.00	4.20	0.80	0.68	0.07	109.00	185.90	i
	7/17/2014	566.00	573.00	12.00	4.20	0.30	0.25	0.07	149.00	185.90	i
	9/15/2014	516.00	573.00	11.00	4.20		0.96	0.07	150.00	185.90	e IML
	12/15/14	577.00	573.00	13.00	4.20		1.13	0.07	158.00	185.90	e IML
	3/16/2015	585.00	573.00	15.00	4.20		1.25	0.07	162.00	185.90	e IML
	6/15/2015	538.00	573.00	11.00	4.20		0.90	0.07	153.00	185.90	e IML
	9/9/2015	583.00	573.00	10.00	4.20		0.58	0.07	148.00	185.90	e IML
	12/10/2015	533.00	573.00	8.00	4.20		0.56	0.07	143.00	185.90	e IML
	3/8/2016	511.00	573.00	8.00	4.20		0.36	0.07	132.00	185.90	e IML
	3/10/2017	366	573.0	8	4.2		0.361	0.065	121	185.90	e IML

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	Date	Conductivity (uS/cm)	RTV@57.3	Chloride (mg/L)	RTV@4.2	U3O8 (mg/L)	U-nat. (mg/L)	RTV@0.06	Alkalinity (mg/L)	RTV@185	Internal/E xternal Lab
	B-008										
	8/16/2010		573.00		4.20	1.70	1.44	0.07		185.90	
	9/11/2010	491.30	573.00	28.80	4.20	2.56	2.17	0.07		185.90	
	10/4/2010	794.00	573.00	34.90	4.20	2.31	1.96	0.07	281.00	185.90	
	12/14/2010	773.00	573.00	32.00	4.20	2.20	1.87	0.07		185.90	
	2/7/2011	648.00	573.00	29.20	4.20		1.61	0.07	196.00	185.90	08 from EC
	4/15/2011	738.00	573.00	30.70	4.20		1.27	0.07	207.00	185.90	08 from EC
	6/14/2011	779.00	573.00	28.00	4.20		2.18	0.07	215.00	185.90	
	7/20/2011	726.30	573.00	26.00	4.20		2.21	0.07	206.00	185.90	
	8/17/2011	734.10	573.00	27.00	4.20		2.07	0.07	186.00	185.90	
	9/14/2011	687.30	573.00	26.00	4.20		1.99	0.07	176.00	185.90	
	10/12/2011	689.00	573.00	23.00	4.20		2.13	0.07	175.00	185.90	
	11/9/2011	793.40	573.00	23.00	4.20		1.80	0.07	153.00	185.90	
	12/15/2011	791.00	573.00	30.00	4.20		2.34	0.07	199.00	185.90	
	1/12/2012	845.90	573.00	31.00	4.20		2.81	0.07	217.00	185.90	
	2/7/2012	766.00	573.00	33.00	4.20		2.46	0.07	241.00	185.90	
	4/11/2012	795.00	573.00	35.00	4.20	3.40	2.88	0.07	243.00	185.90	
	6/13/2012	856.00	573.00	35.00	4.20	2.60	2.20	0.07	247.00	185.90	i
	8/14/2012	797.00	573.00	33.00	4.20	2.80	2.37	0.07	258.00	185.90	i
	10/8/2012	775.00	573.00	28.00	4.20	2.60	2.20	0.07	226.00	185.90	
	12/10/2012	632.00	573.00	26.50	4.20	2.52	2.14	0.07	203.00	185.90	
	2/7/2013	563.00	573.00	21.00	4.20	1.90	1.61	0.07	192.00	185.90	i
	4/7/2013	634.00	573.00	24.00	4.20	2.20	1.87	0.07	188.00	185.90	i
	6/4/2013	519.00	573.00	15.00	4.20	1.60	1.36	0.07	208.00	185.90	i
	8/1/2013	464.00	573.00	14.00	4.20	1.70	1.44	0.07	163.00	185.90	i
	10/2/2013	489.00	573.00	13.00	4.20	1.70	1.44	0.07	148.00	185.90	i
	12/2/2013	408.00	573.00	14.00	4.20	0.90	0.76	0.07	150.00	185.90	i
	1/27/2014	345.00	573.00	7.00	4.20	1.90	1.61	0.07	93.00	185.90	i
	3/28/2014	495.00	573.00	17.00	4.20	1.80	1.53	0.07	177.00	185.90	i
	5/22/2014	546.00	573.00	15.00	4.20	1.50	1.27	0.07	151.00	185.90	i
	7/17/2014	499.00	573.00	16.00	4.20	0.50	0.42	0.07	155.00	185.90	i
	9/15/2014	568.00	573.00	19.00	4.20		1.07	0.07	163.00	185.90	e IML
	12/15/14	469.00	573.00	16.00	4.20		0.89	0.07	146.00	185.90	e IML
	3/16/2015	455.00	573.00	21.00	4.20		0.46	0.07	154.00	185.90	e IML
	6/15/2015	412.00	573.00	15.00	4.20		0.74	0.07	149.00	185.90	e IML
	9/9/2015	468.00	573.00	11.00	4.20		0.94	0.07	143.00	185.90	e IML
	12/10/2015	498.00	573.00	11.00	4.20		1.30	0.07	163.00	185.90	e IML
	3/8/2016	487.00	573.00	10.00	4.20		0.90	0.07	157.00	185.90	e IML
	3/10/2017	339	573.0	8	4.2		0.829	0.065	149	185.90	e IML

	Date	Conductivity (uS/cm)	RTV@57°	Chloride (mg/L)	RTV@4.2	U3O8 (mg/L)	U-nat. (mg/L)	RTV@0.06	Alkalinity (mg/L)	RTV@18°	Internal/E xternal Lab
	B-009										
	8/16/2010	571.00	573.00	29.10	4.20	0.77	0.65	0.07		185.90	
	9/11/2010	564.80	573.00	34.10	4.20	1.20	1.02	0.07		185.90	
	10/4/2010	795.00	573.00	37.60	4.20	1.06	0.90	0.07	281.00	185.90	
	12/14/2010	692.00	573.00	32.00	4.20	0.80	0.68	0.07		185.90	
	2/7/2011	576.00	573.00	26.30	4.20		0.59	0.07	174.00	185.90	08 from EC
	4/15/2011	581.00	573.00	23.40	4.20		0.25	0.07	164.00	185.90	08 from EC
	6/14/2011	793.00	573.00	32.00	4.20		1.75	0.07	223.00	185.90	
	7/20/2011	765.20	573.00	29.00	4.20		1.25	0.07	206.00	185.90	
	8/17/2011	769.60	573.00	30.00	4.20		1.15	0.07	191.00	185.90	
	9/14/2011	807.90	573.00	32.00	4.20		1.62	0.07	204.00	185.90	
	10/12/2011		573.00		4.20			0.07		185.90	
	11/9/2011		573.00		4.20			0.07		185.90	
	12/15/2011	690.00	573.00	25.00	4.20		0.98	0.07	168.00	185.90	
	1/12/2012	605.00	573.00	21.00	4.20		0.97	0.07	159.00	185.90	
	2/7/2012	505.00	573.00	21.00	4.20		0.76	0.07	162.00	185.90	
	4/11/2012	600.00	573.00	23.00	4.20	0.90	0.76	0.07	180.00	185.90	
	6/13/2012	637.00	573.00	24.00	4.20	1.20	1.02	0.07	205.00	185.90	i
	8/14/2012	583.00	573.00	22.00	4.20	1.30	1.10	0.07	197.00	185.90	i
	10/8/2012	605.00	573.00	22.00	4.20	1.20	1.02	0.07	176.00	185.90	
	12/10/2012	479.00	573.00	17.60	4.20	1.24	1.05	0.07	147.00	185.90	i
	2/7/2013	564.00	573.00	20.00	4.20	1.20	1.02	0.07	187.00	185.90	i
	4/7/2013	672.00	573.00	28.00	4.20	2.10	1.78	0.07	200.00	185.90	i
	6/4/2013	535.00	573.00	20.00	4.20	1.20	1.02	0.07	168.00	185.90	i
	8/1/2013	443.00	573.00	16.00	4.20	0.80	0.68	0.07	145.00	185.90	i
	10/2/2013	577.00	573.00	19.00	4.20	1.20	1.02	0.07	162.00	185.90	
	12/2/2013	485.00	573.00	19.00	4.20	0.80	0.68	0.07	168.00	185.90	i
	1/27/2014	512.00	573.00	14.00	4.20	1.50	1.27	0.07	152.00	185.90	i
	3/28/2014	577.00	573.00	21.00	4.20	1.70	1.44	0.07	217.00	185.90	i
	5/22/2014	512.00	573.00	14.00	4.20	1.00	0.85	0.07	131.00	185.90	i
	7/17/2014	743.00	573.00	28.00	4.20	1.40	1.19	0.07	221.00	185.90	i
	9/15/2014	722.00	573.00	22.00	4.20		1.29	0.07	195.00	185.90	e

	Date	Conductivity (uS/cm)	RTV@57	Chloride (mg/L)	RTV@4.2	U3O8 (mg/L)	U-nat. (mg/L)	RTV@0.06	Alkalinity (mg/L)	RTV@185	Internal/E xternal Lab
	B-010										
	8/16/2010		573.00		4.20	4.69	3.98	0.07		185.90	
	9/11/2010	1150.00	573.00	50.40	4.20	4.99	4.23	0.07		185.90	
	10/4/2010	1187.00	573.00	59.80	4.20	4.38	3.71	0.07	466.00	185.90	
	12/14/2010	1081.00	573.00	48.00	4.20	3.90	3.31	0.07		185.90	
	2/7/2011	974.00	573.00	46.20	4.20		3.22	0.07	302.00	185.90	08 from EC
	4/15/2011	931.00	573.00	40.50	4.20		2.88	0.07	288.00	185.90	08 from EC
	6/14/2011	1066.00	573.00	41.00	4.20		3.63	0.07	306.00	185.90	
	7/20/2011	1036.30	573.00	39.00	4.20		3.24	0.07	306.00	185.90	
	8/17/2011	1048.00	573.00	40.00	4.20		2.88	0.07	279.00	185.90	
	9/14/2011	1024.50	573.00	39.00	4.20		2.77	0.07	280.00	185.90	
	10/12/2011	1062.00	573.00	37.00	4.20		2.94	0.07	278.00	185.90	
	11/9/2011	1243.00	573.00	37.00	4.20		2.89	0.07	273.00	185.90	
	12/15/2011	1017.00	573.00	36.00	4.20		2.97	0.07	274.00	185.90	
	1/12/2012	972.90	573.00	35.00	4.20		3.02	0.07	266.00	185.90	
	2/7/2012	843.00	573.00	34.00	4.20		2.37	0.07	276.00	185.90	
	4/11/2012	884.00	573.00	34.00	4.20	2.90	2.46	0.07	282.00	185.90	
	6/13/2012	811.00	573.00	24.00	4.20	2.40	2.04	0.07	279.00	185.90	i
	8/14/2012	791.00	573.00	20.00	4.20	3.50	2.97	0.07	249.00	185.90	i
	10/8/2012	838.00	573.00	19.00	4.20	2.70	2.29	0.07	249.00	185.90	
	12/10/2012	713.00	573.00	19.00	4.20	3.23	2.74	0.07	257.00	185.90	
	2/7/2013	747.00	573.00	19.00	4.20	2.50	2.12	0.07	262.00	185.90	i
	4/7/2013	810.00	573.00	32.00	4.20	3.30	2.80	0.07	248.00	185.90	i
	6/4/2013	677.00	573.00	25.00	4.20	2.30	1.95	0.07	221.00	185.90	i
	8/1/2013	594.00	573.00	19.00	4.20	1.60	1.36	0.07	204.00	185.90	i
	10/2/2013	674.00	573.00	22.00	4.20	2.00	1.70	0.07	196.00	185.90	i
	12/2/2013	489.00	573.00	17.00	4.20	1.00	0.85	0.07	177.00	185.90	i
	1/27/2014	651.00	573.00	22.00	4.20	2.60	2.20	0.07	189.00	185.90	i
	3/28/2014	511.00	573.00	13.00	4.20	1.60	1.36	0.07	179.00	185.90	i
	5/22/2014	604.00	573.00	16.00	4.20	1.50	1.27	0.07	171.00	185.90	i
	7/17/2014	609.00	573.00	17.00	4.20	0.80	0.68	0.07	189.00	185.90	i
	9/15/2014	635.00	573.00	15.00	4.20		1.23	0.07	186.00	185.90	e IML
	12/15/14	655.00	573.00	17.00	4.20		1.25	0.07	199.00	185.90	e IML
	3/16/2015	796.00	573.00	25.00	4.20		2.04	0.07	240.00	185.90	e IML
	6/15/2015	987.00	573.00	32.00	4.20		3.09	0.07	309.00	185.90	e IML
	9/9/2015	846.00	573.00	25.00	4.20		2.29	0.07	235.00	185.90	e IML
	12/10/2015	849.00	573.00	26.00	4.20		2.63	0.07	253.00	185.90	e IML
	3/8/2016	861.00	573.00	28.00	4.20		2.08	0.07	254.00	185.90	e IML
	3/10/2017	756	573.0	26	4.2		2.24	0.065	242	185.90	e IML

	Date	Conductivity (uS/cm)	RTV@57°	Chloride (mg/L)	RTV@4.2°	U3O8 (mg/L)	U-nat. (mg/L)	RTV@0.06°	Alkalinity (mg/L)	RTV@18.5°	Internal/External Lab
	B-011										
	8/16/2010		573.00	33.20	4.20	3.83	3.25	0.07		185.90	
	9/11/2010	1081.00	573.00	47.20	4.20	4.83	4.10	0.07		185.90	
	10/4/2010	1117.00	573.00	54.10	4.20	4.08	3.46	0.07	461.00	185.90	
	12/14/2010	998.00	573.00	45.00	4.20	2.80	2.37	0.07		185.90	
	2/7/2011	837.00	573.00	37.70	4.20		1.95	0.07	275.00	185.90	08 from EC
	4/15/2011	867.00	573.00	34.90	4.20		1.87	0.07	257.00	185.90	08 from EC
	6/14/2011	919.00	573.00	34.00	4.20		2.11	0.07	265.00	185.90	
	7/20/2011	916.70	573.00	35.00	4.20		2.23	0.07	273.00	185.90	
	8/17/2011		573.00		4.20			0.07		185.90	
	9/14/2011	727.40	573.00	25.00	4.20		1.49	0.07	211.00	185.90	
	10/12/2011	754.00	573.00	24.00	4.20		1.46	0.07	206.00	185.90	
	11/9/2011	894.60	573.00	26.00	4.20		1.50	0.07	201.00	185.90	
	12/15/2011	746.00	573.00	25.00	4.20		1.60	0.07	200.00	185.90	
	1/12/2012	673.60	573.00	22.00	4.20		1.72	0.07	194.00	185.90	
	2/27/2012	580.00	573.00	23.00	4.20		1.53	0.07	201.00	185.90	
	4/11/2012	598.00	573.00	22.00	4.20	1.80	1.53	0.07	204.00	185.90	
	6/13/2012	691.00	573.00	29.00	4.20	2.60	2.20	0.07	236.00	185.90	i
	8/14/2012	650.00	573.00	24.00	4.20	2.50	2.12	0.07	230.00	185.90	i
	10/8/2012	661.00	573.00	19.00	4.20	2.10	1.78	0.07	222.00	185.90	
	12/10/2012	549.00	573.00	17.30	4.20	1.82	1.55	0.07	194.00	185.90	
	2/7/2013	559.00	573.00	20.00	4.20	1.50	1.27	0.07	185.00	185.90	i
	4/7/2013	622.00	573.00	25.00	4.20	2.00	1.70	0.07	203.00	185.90	i
	6/4/2013	557.00	573.00	19.00	4.20	1.90	1.61	0.07	192.00	185.90	i
	8/1/2013	473.00	573.00	16.00	4.20	1.30	1.10	0.07	166.00	185.90	i
	10/2/2013	446.00	573.00	12.00	4.20	1.20	1.02	0.07	137.00	185.90	i
	12/2/2013	324.00	573.00	9.00	4.20	0.60	0.51	0.07	119.00	185.90	i
	1/27/2014	425.00	573.00	10.00	4.20	0.80	0.68	0.07	127.00	185.90	i
	3/28/2014	370.00	573.00	10.00	4.20	1.30	1.10	0.07	133.00	185.90	i
	5/22/2014	459.00	573.00	10.00	4.20	1.10	0.93	0.07	132.00	185.90	i
	7/17/2014	413.00	573.00	10.00	4.20	0.08	0.07	0.07	144.00	185.90	i
	9/15/2014	421.00	573.00	10.00	4.20		0.65	0.07	137.00	185.90	e IML
	12/15/14	488.00	573.00	13.00	4.20		1.50	0.07	166.00	185.90	e IML
	3/16/2015	546.00	573.00	13.00	4.20		1.40	0.07	183.00	185.90	e IML
	6/15/2015	614.00	573.00	14.00	4.20		1.67	0.07	224.00	185.90	e IML
	9/9/2015	567.00	573.00	12.00	4.20		1.15	0.07	182.00	185.90	e IML
	12/10/2015	652.00	573.00	15.00	4.20		1.62	0.07	222.00	185.90	e IML
	3/8/2016	723.00	573.00	18.00	4.20		1.23	0.07	244.00	185.90	e IML
	3/10/2017	770	573.0	26	4.2		2.66	0.065	273	185.90	e IML

	Date	Conductivity (uS/cm)	RTV@57	Chloride (mg/L)	RTV@4.2	U3O8 (mg/L)	U-nat. (mg/L)	RTV@0.06	Alkalinity (mg/L)	RTV@185	Internal/E xternal Lab
	B-012										
	8/16/2010	687.30	573.00	23.90	4.20	0.45	0.38	0.07		185.90	
	9/11/2010	517.90	573.00	24.70	4.20	0.60	0.51	0.07		185.90	
	10/4/2010	669.00	573.00	30.00	4.20	0.49	0.42	0.07	220.00	185.90	
	12/14/2010	677.00	573.00	33.00	4.20	0.40	0.34	0.07		185.90	
	2/7/2011	642.00	573.00	29.50	4.20		0.25	0.07	178.00	185.90	08 from EC
	4/15/2011	697.00	573.00	30.20	4.20		0.17	0.07	187.00	185.90	08 from EC
	6/14/2011	795.00	573.00	31.00	4.20		0.64	0.07	204.00	185.90	
	7/20/2011	780.60	573.00	30.00	4.20		0.63	0.07	212.00	185.90	
	8/17/2011	813.20	573.00	32.00	4.20		0.57	0.07	199.00	185.90	
	9/14/2011	752.10	573.00	29.00	4.20		0.59	0.07	188.00	185.90	
	10/12/2011	677.00	573.00	22.00	4.20		0.45	0.07	165.00	185.90	
	11/9/2011	720.00	573.00	19.00	4.20		0.40	0.07	146.00	185.90	
	12/15/2011	528.00	573.00	16.00	4.20		0.33	0.07	126.00	185.90	
	1/12/2012	419.40	573.00	12.00	4.20		0.28	0.07	116.00	185.90	
	2/27/2012	305.00	573.00	9.00	4.20		0.25	0.07	107.00	185.90	
	4/11/2012	313.00	573.00	9.00	4.20	0.20	0.17	0.07	108.00	185.90	
	6/13/2012	300.00	573.00	8.00	4.20	0.20	0.17	0.07	107.00	185.90	i
	8/14/2012	276.00	573.00	8.00	4.20	0.20	0.17	0.07	111.00	185.90	i
	10/8/2012	364.00	573.00	7.00	4.20	0.20	0.17	0.07	130.00	185.90	
	12/10/2012	301.00	573.00	6.60	4.20	0.48	0.41	0.07	194.00	185.90	
	2/7/2013	303.00	573.00	7.00	4.20	0.30	0.25	0.07	112.00	185.90	i
	4/7/2013	344.00	573.00	11.00	4.20	0.10	0.08	0.07	105.00	185.90	i
	6/4/2013	357.00	573.00	11.00	4.20	0.40	0.34	0.07	113.00	185.90	i
	8/1/2013	386.00	573.00	12.00	4.20	0.30	0.25	0.07	124.00	185.90	i
	10/2/2013	469.00	573.00	15.00	4.20	0.40	0.34	0.07	128.00	185.90	i
	12/2/2013	407.00	573.00	14.00	4.20	0.30	0.25	0.07	141.00	185.90	i
	1/27/2014	459.00	573.00	12.00	4.20	0.20	0.17	0.07	124.00	185.90	i
	3/28/2014	402.00	573.00	11.00	4.20	0.70	0.59	0.07	132.00	185.90	i
	5/22/2014	483.00	573.00	11.00	4.20	0.30	0.25	0.07	129.00	185.90	i
	7/17/2014	426.00	573.00	11.00	4.20	0.08	0.07	0.07	134.00	185.90	i
	9/15/2014	509.00	573.00	12.00	4.20		0.24	0.07	157.00	185.90	e IML
	12/15/14	451.00	573.00	11.00	4.20		0.22	0.07	136.00	185.90	e IML
	3/16/2015	468.00	573.00	12.00	4.20		0.20	0.07	138.00	185.90	e IML
	6/15/2015	503.00	573.00	12.00	4.20		0.31	0.07	163.00	185.90	e IML
	9/9/2015	574.00	573.00	12.00	4.20		0.25	0.07	159.00	185.90	e IML
	12/10/2015	525.00	573.00	12.00	4.20		0.23	0.07	150.00	185.90	e IML
	3/8/2016	580.00	573.00	15.00	4.20		0.20	0.07	163.00	185.90	e IML
	3/10/2017	646	573.0	21	4.2		0.270	0.065	180	185.90	e IML

	Date	Conductivity (uS/cm)	RTV@57°	Chloride (mg/L)	RTV@4.2°	U3O8 (mg/L)	U-nat. (mg/L)	RTV@0.06°	Alkalinity (mg/L)	RTV@185°	Internal/External Lab
	B-013										
	8/16/2010	599.10	573.00	24.40	4.20	1.19	1.01	0.07		185.90	
	9/11/2010	576.10	573.00	29.70	4.20	1.20	1.02	0.07		185.90	
	10/4/2010	837.00	573.00	37.70	4.20	1.07	0.91	0.07	276.00	185.90	
	12/14/2010	771.00	573.00	35.00	4.20	1.00	0.85	0.07		185.90	
	2/7/2011	620.00	573.00	26.40	4.20		0.59	0.07	173.00	185.90	08 from EC
	4/15/2011	585.00	573.00	22.70	4.20		0.25	0.07	160.00	185.90	08 from EC
	6/14/2011	480.00	573.00	15.00	4.20		0.34	0.07	129.00	185.90	
	7/20/2011	514.40	573.00	17.00	4.20		0.41	0.07	136.00	185.90	
	8/17/2011	543.30	573.00	19.00	4.20		0.42	0.07	133.00	185.90	
	9/14/2011	502.10	573.00	17.00	4.20		0.40	0.07	126.00	185.90	
	10/12/2011	512.00	573.00	15.00	4.20		0.40	0.07	127.00	185.90	
	11/9/2011	574.80	573.00	14.00	4.20		0.33	0.07	113.00	185.90	
	12/15/2011	431.00	573.00	12.00	4.20		0.29	0.07	107.00	185.90	
	1/12/2012	367.50	573.00	9.00	4.20		0.31	0.07	101.00	185.90	
	2/27/2012	254.00	573.00	6.00	4.20		0.25	0.07	90.00	185.90	
	4/11/2012	293.00	573.00	9.00	4.20	0.20	0.17	0.07	98.00	185.90	
	6/13/2012	316.00	573.00	7.00	4.20	0.30	0.25	0.07	108.00	185.90	i
	8/14/2012	286.00	573.00	6.00	4.20	0.30	0.25	0.07	100.00	185.90	i
	10/8/2012	342.00	573.00	6.00	4.20	0.30	0.25	0.07	118.00	185.90	
	12/10/2012	290.00	573.00	5.80	4.20	0.49	0.41	0.07	101.00	185.90	
	2/7/2013	292.00	573.00	7.00	4.20	0.40	0.34	0.07	108.00	185.90	i
	4/7/2013	339.00	573.00	9.00	4.20	0.10	0.08	0.07	101.00	185.90	i
	6/4/2013	234.00	573.00	5.00	4.20	0.40	0.34	0.07	86.00	185.90	i
	8/1/2013	247.00	573.00	4.00	4.20	0.20	0.17	0.07	96.00	185.90	i
	10/2/2013	157.00	573.00	2.00	4.20	0.10	0.08	0.07	60.00	185.90	i
	12/2/2013	170.00	573.00	2.00	4.20	0.10	0.08	0.07	67.00	185.90	
	1/27/2014	238.00	573.00	3.00	4.20	0.10	0.08	0.07	10.00	185.90	i
	3/28/2014	184.00	573.00	2.00	4.20	0.60	0.51	0.07	76.00	185.90	i
	5/22/2014	253.00	573.00	2.00	4.20	0.10	0.08	0.07	74.00	185.90	i
	7/17/2014	210.00	573.00	2.00	4.20	0.08	0.07	0.07	77.00	185.90	
	9/15/2014	250.00	573.00	4.00	4.20		0.08	0.07	90.00	185.90	e IML
	12/15/14	692.00	573.00	15.00	4.20		0.52	0.07	185.00	185.90	e IML
	3/16/2015	1080.00	573.00	26.00	4.20		1.76	0.07	309.00	185.90	e IML
	6/15/2015	1020.00	573.00	23.00	4.20		2.43	0.07	354.00	185.90	e IML
	9/9/2015	777.00	573.00	12.00	4.20		0.77	0.07	224.00	185.90	e IML
	12/10/2015	821.00	573.00	13.00	4.20		0.88	0.07	256.00	185.90	e IML
	3/8/2016	846.00	573.00	12.00	4.20		0.73	0.07	256.00	185.90	e IML
	3/10/2017	564	573.0	7	4.2		0.406	0.065	189	185.90	e IML

	Date	Conductivity (uS/cm)	RTV@57	Chloride (mg/L)	RTV@4.2	U3O8 (mg/L)	U-nat. (mg/L)	RTV@0.06	Alkalinity (mg/L)	RTV@185	Internal/E xternal Lab
	B-014										
	8/16/2010	727.10	573.00	30.50	4.20	1.38	1.17	0.07		185.90	
	9/11/2010	513.10	573.00	21.80	4.20	1.46	1.24	0.07		185.90	
	10/4/2010	685.00	573.00	26.30	4.20	1.28	1.09	0.07	239.00	185.90	
	12/14/2010	659.00	573.00	25.00	4.20	1.20	1.02	0.07		185.90	
	2/7/2011	585.00	573.00	21.50	4.20		1.02	0.07	169.00	185.90	
	4/15/2011	574.00	573.00	19.30	4.20		0.51	0.07	160.00	185.90	08 from EC
	6/14/2011	551.00	573.00	15.00	4.20		1.11	0.07	158.00	185.90	
	7/20/2011	537.90	573.00	15.00	4.20		1.18	0.07	154.00	185.90	
	8/17/2011	557.30	573.00	17.00	4.20		1.00	0.07	141.00	185.90	
	9/14/2011	585.30	573.00	17.00	4.20		1.18	0.07	152.00	185.90	
	10/12/2011	577.00	573.00	16.00	4.20		1.04	0.07	149.00	185.90	
	11/9/2011	660.40	573.00	16.00	4.20		0.95	0.07	131.00	185.90	
	12/15/2011	546.00	573.00	15.00	4.20		0.97	0.07	132.00	185.90	
	1/12/2012	495.70	573.00	13.00	4.20		0.99	0.07	129.00	185.90	
	2/7/2012	412.00	573.00	11.00	4.20		0.76	0.07	129.00	185.90	
	4/11/2012	300.00	573.00	9.00	4.20	0.30	0.25	0.07	97.00	185.90	
	6/13/2012	413.00	573.00	11.00	4.20	0.60	0.51	0.07	132.00	185.90	i
	8/14/2012	635.00	573.00	19.00	4.20	2.00	1.70	0.07	205.00	185.90	i
	10/8/2012	706.00	573.00	20.00	4.20	2.00	1.70	0.07	220.00	185.90	
	12/10/2012	682.00	573.00	21.10	4.20	2.17	1.84	0.07	217.00	185.90	
	2/7/2013	749.00	573.00	21.00	4.20	2.30	1.95	0.07	250.00	185.90	i
	4/7/2013	466.00	573.00	14.00	4.20	0.90	0.76	0.07	135.00	185.90	i
	6/4/2013	503.00	573.00	19.00	4.20	1.00	0.85	0.07	150.00	185.90	i
	8/1/2013	350.00	573.00	8.00	4.20	0.60	0.51	0.07	131.00	185.90	i
	10/2/2013	717.00	573.00	16.00	4.20	2.10	1.78	0.07	208.00	185.90	i
	12/2/2013	359.00	573.00	8.00	4.20	0.50	0.42	0.07	138.00	185.90	i
	1/27/2014	441.00	573.00	8.00	4.20	0.60	0.51	0.07	136.00	185.90	i
	4/1/2014	455.00	573.00	9.00	4.20	0.50	0.42	0.07	161.00	185.90	i
	5/22/2014	272.00	573.00	5.00	4.20	0.20	0.17	0.07	71.00	185.90	i
	7/17/2014	530.00	573.00	10.00	4.20	0.10	0.08	0.07	179.00	185.90	i
	9/15/2014	540.00	573.00	8.00	4.20		0.63	0.07	168.00	185.90	e IML
	12/15/14	424.00	573.00	8.00	4.20		0.51	0.07	151.00	185.90	e IML
	3/16/2015	423.00	573.00	8.00	4.20		0.47	0.07	141.00	185.90	e IML
	6/15/2015	390.00	573.00	6.00	4.20		0.41	0.07	137.00	185.90	e IML
	9/9/2015	421.00	573.00	6.00	4.20		0.31	0.07	128.00	185.90	e IML
	12/10/2015	389.00	573.00	5.00	4.20		0.25	0.07	132.00	185.90	e IML
	3/8/2016	393.00	573.00	6.00	4.20		0.21	0.07	127.00	185.90	e IML
	3/10/2017	589	573.0	9	4.2		0.663	0.065	191	185.90	e IML

	Date	Conductivity (uS/cm)	RTV@57%	Chloride (mg/L)	RTV@4.2	U3O8 (mg/L)	U-nat. (mg/L)	RTV@0.06	Alkalinity (mg/L)	RTV@18%	Internal/External Lab
	B-015										
	8/16/2010	749.50	573.00	52.90	4.20	3.68	3.12	0.07		185.90	
	9/11/2010	1017.00	573.00	53.50	4.20	4.34	3.68	0.07		185.90	
	10/4/2010	1076.00	573.00	64.70	4.20	3.62	3.07	0.07	250.00	185.90	
	12/14/2010	1197.00	573.00	68.00	4.20	3.50	2.97	0.07		185.90	
	2/7/2011	1037.00	573.00	63.90	4.20		2.71	0.07	192.00	185.90	
	4/15/2011	974.00	573.00	52.30	4.20		1.61	0.07	182.00	185.90	08 from EC
	6/14/2011	649.00	573.00	26.00	4.20		1.51	0.07	133.00	185.90	
	7/20/2011	593.50	573.00	24.00	4.20		1.27	0.07	123.00	185.90	
	8/17/2011	577.20	573.00	24.00	4.20		0.93	0.07	110.00	185.90	
	9/14/2011	439.70	573.00	16.00	4.20		0.59	0.07	95.00	185.90	
	10/12/2011	418.00	573.00	14.00	4.20		0.55	0.07	88.00	185.90	
	11/9/2011	562.50	573.00	17.00	4.20		0.60	0.07	88.00	185.90	
	12/15/2011	474.00	573.00	16.00	4.20		0.65	0.07	95.00	185.90	
	1/12/2012	461.50	573.00	16.00	4.20		0.82	0.07	97.00	185.90	
	2/27/2012	395.00	573.00	15.00	4.20		0.68	0.07	103.00	185.90	
	4/11/2012	486.00	573.00	21.00	4.20	1.00	0.85	0.07	122.00	185.90	
	6/13/2012	341.00	573.00	13.00	4.20	0.60	0.51	0.07	87.00	185.90	i
	8/14/2012	264.00	573.00	9.00	4.20	0.50	0.42	0.07	79.00	185.90	i
	10/8/2012	259.00	573.00	6.00	4.20	0.30	0.25	0.07	87.00	185.90	
	12/10/2012	206.00	573.00	5.40	4.20	0.50	0.42	0.07	60.00	185.90	
	2/7/2013	394.00	573.00	18.00	4.20	0.40	0.34	0.07	103.00	185.90	i
	4/7/2013	469.00	573.00	25.00	4.20	0.30	0.25	0.07	96.00	185.90	i
	6/4/2013	567.00	573.00	29.00	4.20	0.70	0.59	0.07	138.00	185.90	i
	8/1/2013	490.00	573.00	22.00	4.20	1.30	1.10	0.07	131.00	185.90	i
	10/2/2013	334.00	573.00	10.00	4.20	0.40	0.34	0.07	83.00	185.90	i
	12/2/2013	319.00	573.00	10.00	4.20	0.30	0.25	0.07	107.00	185.90	
	1/27/2014	396.00	573.00	15.00	4.20	0.10	0.08	0.07	107.00	185.90	i
	3/28/2014	195.00	573.00	4.00	4.20	0.50	0.42	0.07	71.00	185.90	i
	5/22/2014	536.00	573.00	14.00	4.20	0.50	0.42	0.07	130.00	185.90	i
	7/17/2014	254.00	573.00	6.00	4.20	0.08	0.07	0.07	82.00	185.90	i
	9/15/2014	353.00	573.00	10.00	4.20		0.24	0.07	102.00	185.90	e IML
	12/15/14	279.00	573.00	12.00	4.20		0.08	0.07	84.00	185.90	e IML
	3/16/2015	232.00	573.00	9.00	4.20		0.06	0.07	82.00	185.90	e IML
	6/15/2015	209.00	573.00	5.00	4.20		0.07	0.07	78.00	185.90	e IML
	9/9/2015	233.00	573.00	4.00	4.20		0.06	0.07	75.00	185.90	e IML
	12/10/2015	208.00	573.00	2.00	4.20		0.08	0.07	75.00	185.90	e IML
	3/8/2016	220.00	573.00	2.00	4.20		0.06	0.07	76.00	185.90	e IML
	3/10/2017	230	573.0		3	4.2	0.108	0.065	83	185.90	e IML

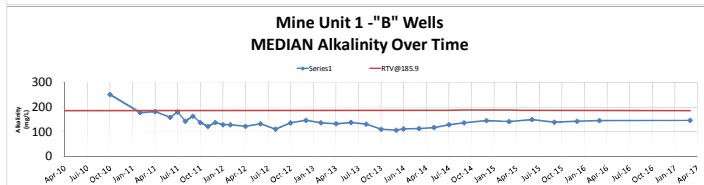
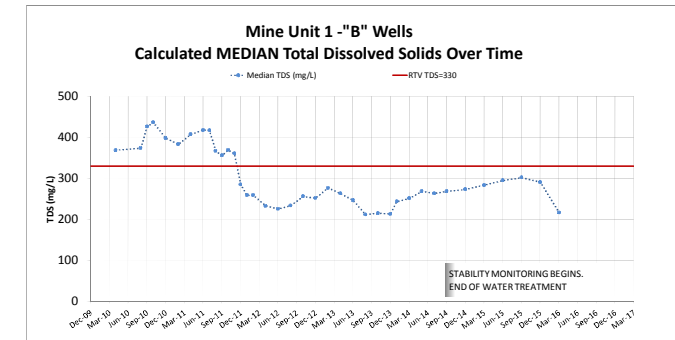
	Date	Conductivity (uS/cm)	RTV@57°	Chloride (mg/L)	RTV@4.2°	U3O8 (mg/L)	U-nat. (mg/L)	RTV@0.06°	Alkalinity (mg/L)	RTV@185°	Internal/External Lab
	B-016										
	8/16/2010	528.70	573.00	21.20	4.20	0.43	0.36	0.07		185.90	
	9/11/2010	583.30	573.00	20.40	4.20	0.81	0.69	0.07		185.90	
	10/4/2010	618.00	573.00	25.50	4.20	0.74	0.63	0.07	201.00	185.90	
	12/14/2010	599.00	573.00	26.00	4.20	0.80	0.68	0.07		185.90	
	2/7/2011	552.00	573.00	23.60	4.20		0.85	0.07	147.00	185.90	
	4/15/2011	534.00	573.00	21.20	4.20		0.25	0.07	144.00	185.90	08 from EC
	6/14/2011	522.00	573.00	16.00	4.20		0.78	0.07	139.00	185.90	
	7/20/2011	490.70	573.00	15.00	4.20		0.68	0.07	135.00	185.90	
	8/17/2011	476.90	573.00	14.00	4.20		0.53	0.07	122.00	185.90	
	9/14/2011	448.10	573.00	15.00	4.20		0.53	0.07	115.00	185.90	
	10/12/2011	411.00	573.00	12.00	4.20		0.43	0.07	106.00	185.90	
	11/9/2011	509.40	573.00	13.00	4.20		0.43	0.07	114.00	185.90	
	12/15/2011	439.00	573.00	13.00	4.20		0.47	0.07	116.00	185.90	
	1/12/2012	418.90	573.00	12.00	4.20		0.47	0.07	107.00	185.90	
	2/7/2012	374.00	573.00	13.00	4.20		0.42	0.07	116.00	185.90	
	4/11/2012	371.00	573.00	12.00	4.20	0.50	0.42	0.07	115.00	185.90	
	6/13/2012	331.00	573.00	10.00	4.20	0.40	0.34	0.07	94.00	185.90	i
	8/14/2012	299.00	573.00	8.00	4.20	0.30	0.25	0.07	91.00	185.90	i
	10/8/2012	460.00	573.00	11.00	4.20	0.50	0.42	0.07	137.00	185.90	
	12/10/2012	378.00	573.00	10.60	4.20	0.74	0.62	0.07	108.00	185.90	
	2/7/2013	407.00	573.00	13.00	4.20	2.30	1.95	0.07	134.00	185.90	i
	4/7/2013	302.00	573.00	10.00	4.20	0.10	0.08	0.07	83.00	185.90	i
	6/4/2013	367.00	573.00	9.00	4.20	0.40	0.34	0.07	106.00	185.90	i
	8/1/2013	363.00	573.00	9.00	4.20	0.50	0.42	0.07	102.00	185.90	i
	10/2/2013	431.00	573.00	10.00	4.20	0.40	0.34	0.07	106.00	185.90	i
	12/2/2013	320.00	573.00	8.00	4.20	0.20	0.17	0.07	96.00	185.90	i
	1/27/2014	423.00	573.00	9.00	4.20	0.20	0.17	0.07	112.00	185.90	i
	3/28/2014	403.00	573.00	10.00	4.20	0.80	0.68	0.07	128.00	185.90	i
	5/22/2014	409.00	573.00	10.00	4.20	0.30	0.25	0.07	98.00	185.90	i
	7/17/2014	453.00	573.00	13.00	4.20	0.08	0.07	0.07	129.00	185.90	e IML
	9/15/2014	410.00	573.00	10.00	4.20		0.31	0.07	120.00	185.90	e IML
	12/15/14	453.00	573.00	12.00	4.20		0.37	0.07	131.00	185.90	e IML
	3/16/2015	457.00	573.00	11.00	4.20		0.35	0.07	134.00	185.90	e IML
	6/15/2015	451.00	573.00	10.00	4.20		0.39	0.07	141.00	185.90	e IML
	9/9/2015	475.00	573.00	9.00	4.20		0.28	0.07	131.00	185.90	e IML
	12/10/2015	416.00	573.00	9.00	4.20		0.27	0.07	127.00	185.90	e IML
	3/8/2016	436.00	573.00	9.00	4.20		0.23	0.07	128.00	185.90	e IML
	3/10/2017	341	573.0	8	4.2		0.272	0.065	120	185.90	e IML

	Date	Conductivity (uS/cm)	RTV@57.3	Chloride (mg/L)	RTV@4.2	U3O8 (mg/L)	U-nat. (mg/L)	RTV@0.06	Alkalinity (mg/L)	RTV@185	Internal/External Lab
	B-017										
	8/16/2010	512.00	573.00	20.00	4.20	5.45	4.62	0.07		185.90	
	9/11/2010	918.30	573.00	49.60	4.20	5.38	4.56	0.07		185.90	
	10/4/2010	1187.00	573.00	64.60	4.20	4.87	4.13	0.07	414.00	185.90	
	12/14/2010	999.00	573.00	44.00	4.20	3.30	2.80	0.07		185.90	
	2/7/2011	907.00	573.00	44.00	4.20		2.97	0.07	241.00	185.90	
	4/15/2011	936.00	573.00	43.60	4.20		2.71	0.07	241.00	185.90	08 from EC
	6/14/2011	950.00	573.00	39.00	4.20		3.17	0.07	234.00	185.90	
	7/20/2011	920.20	573.00	39.00	4.20		2.94	0.07	231.00	185.90	
	8/17/2011	890.10	573.00	36.00	4.20		2.39	0.07	206.00	185.90	
	9/14/2011	877.70	573.00	35.00	4.20		2.34	0.07	208.00	185.90	
	10/12/2011		573.00		4.20			0.07		185.90	
	11/9/2011		573.00		4.20			0.07		185.90	
	12/15/2011	866.00	573.00	32.00	4.20		1.92	0.07	203.00	185.90	
	1/12/2012	666.60	573.00	22.00	4.20		1.31	0.07	162.00	185.90	
	2/7/2012	540.00	573.00	20.00	4.20		1.02	0.07	158.00	185.90	
	4/11/2012	599.00	573.00	21.00	4.20	1.20	1.02	0.07	172.00	185.90	
	7/12/2012	519.00	573.00	15.00	4.20	3.60	3.05	0.07	155.00	185.90	i
	8/14/2012	436.00	573.00	14.00	4.20	1.70	1.44	0.07	140.00	185.90	i
	10/8/2012	704.00	573.00	22.00	4.20	1.30	1.10	0.07	187.00	185.90	
	12/10/2012	548.00	573.00	19.40	4.20	1.26	1.07	0.07	147.00	185.90	
	2/7/2013	460.00	573.00	15.00	4.20	0.50	0.42	0.07	136.00	185.90	
	4/7/2013	422.00	573.00	14.00	4.20	0.60	0.51	0.07	118.00	185.90	i
	6/4/2013	366.00	573.00	11.00	4.20	0.60	0.51	0.07	112.00	185.90	i
	8/1/2013	342.00	573.00	9.00	4.20	0.50	0.42	0.07	109.00	185.90	i
	10/2/2013	397.00	573.00	10.00	4.20	0.60	0.51	0.07	110.00	185.90	i
	12/2/2013	476.00	573.00	18.00	4.20	0.70	0.59	0.07	153.00	185.90	i
	1/27/2014	570.00	573.00	18.00	4.20	1.20	1.02	0.07	144.00	185.90	i
	3/28/2014	362.00	573.00	10.00	4.20	0.70	0.59	0.07	111.00	185.90	i
	5/23/2014	598.00	573.00	10.00	4.20	1.10	0.93	0.07	174.00	185.90	i
	7/17/2014	467.00	573.00	14.00	4.20	0.08	0.07	0.07	125.00	185.90	i
	9/15/2014	356.00	573.00	8.00	4.20		0.22	0.07	100.00	185.90	e IML
	12/15/14	347.00	573.00	9.00	4.20		0.28	0.07	99.00	185.90	e IML
	3/16/2015	392.00	573.00	13.00	4.20		0.31	0.07	107.00	185.90	e IML
	6/15/2015	431.00	573.00	15.00	4.20		0.48	0.07	116.00	185.90	e IML
	9/9/2015	514.00	573.00	16.00	4.20		0.55	0.07	123.00	185.90	e IML
	12/10/2015	461.00	573.00	15.00	4.20		0.43	0.07	123.00	185.90	e IML
	3/8/2016	495.00	573.00	17.00	4.20		0.33	0.07	127.00	185.90	e IML
	3/10/2017	487	573.0	16	4.2		0.413	0.065	139	185.90	e IML

	Date	Conductivity (uS/cm)	RTV@57:	Chloride (mg/L)	RTV@4.2	U3O8 (mg/L)	U-nat. (mg/L)	RTV@0.06	Alkalinity (mg/L)	RTV@185	Internal/External Lab
	B-018										
	8/16/2010		573.00	47.50	4.20	0.69	0.59	0.07		185.90	08 from EC
	9/11/2010	708.40	573.00	24.40	4.20	0.84	0.71	0.07		185.90	
	10/4/2010	758.00	573.00	30.60	4.20	0.73	0.62	0.07	291.00	185.90	
	12/14/2010	789.00	573.00	32.00	4.20	0.80	0.68	0.07		185.90	
	2/7/2011	704.00	573.00	30.60	4.20		0.59	0.07	232.00	185.90	
	4/15/2011	758.00	573.00	30.60	4.20		0.68	0.07	236.00	185.90	08 from EC
	6/14/2011	848.00	573.00	30.00	4.20		0.93	0.07	251.00	185.90	
	7/20/2011	833.50	573.00	30.00	4.20		1.24	0.07	252.00	185.90	
	8/17/2011	724.10	573.00	25.00	4.20		0.97	0.07	191.00	185.90	
	9/14/2011	778.50	573.00	27.00	4.20		0.78	0.07	217.00	185.90	
	10/12/2011	803.00	573.00	26.00	4.20		0.71	0.07	216.00	185.90	
	11/9/2011	962.80	573.00	27.00	4.20		0.79	0.07	212.00	185.90	
	12/15/2011	796.00	573.00	27.00	4.20		0.80	0.07	215.00	185.90	
	1/12/2012	785.50	573.00	26.00	4.20		0.95	0.07	220.00	185.90	
	2/7/2012	730.00	573.00	26.00	4.20		0.85	0.07	237.00	185.90	
	4/11/2012	725.00	573.00	26.00	4.20	0.90	0.76	0.07	234.00	185.90	
	6/13/2012	691.00	573.00	26.00	4.20	0.80	0.68	0.07	237.00	185.90	i
	8/14/2012	691.00	573.00	27.00	4.20	0.80	0.68	0.07	243.00	185.90	i
	10/8/2012	807.00	573.00	26.00	4.20	0.80	0.68	0.07	240.00	185.90	
	12/10/2012	724.00	573.00	26.00	4.20	1.29	1.09	0.07	237.00	185.90	
	2/7/2013	722.00	573.00	26.00	4.20	0.60	0.51	0.07	236.00	185.90	
	4/7/2013	607.00	573.00	20.00	4.20	0.60	0.51	0.07	199.00	185.90	i
	6/4/2013	483.00	573.00	14.00	4.20	0.70	0.59	0.07	170.00	185.90	i
	8/1/2013	406.00	573.00	11.00	4.20	0.40	0.34	0.07	149.00	185.90	i
	10/2/2013	356.00	573.00	7.00	4.20	0.30	0.25	0.07	119.00	185.90	i
	12/2/2013	259.00	573.00	5.00	4.20	0.20	0.17	0.07	101.00	185.90	i
	1/27/2014	407.00	573.00	9.00	4.20	0.30	0.25	0.07	125.00	185.90	i
	3/28/2014	396.00	573.00	11.00	4.20	0.70	0.59	0.07	143.00	185.90	i
	5/22/2014	491.00	573.00	13.00	4.20	0.30	0.25	0.07	145.00	185.90	i
	7/17/2014	448.00	573.00	13.00	4.20	0.08	0.07	0.07	151.00	185.90	i
	9/15/2014	477.00	573.00	13.00	4.20		0.31	0.07	149.00	185.90	e IML
	12/15/14	360.00	573.00	10.00	4.20		0.18	0.07	129.00	185.90	e IML
	3/16/2015	332.00	573.00	8.00	4.20		0.12	0.07	111.00	185.90	e IML
	6/15/2015	302.00	573.00	7.00	4.20		0.09	0.07	109.00	185.90	e IML
	9/9/2015	334.00	573.00	7.00	4.20		0.09	0.07	110.00	185.90	e IML
	12/10/2015	319.00	573.00	5.00	4.20		0.08	0.07	114.00	185.90	e IML
	3/8/2016	304.00	573.00	5.00	4.20		0.06	0.07	108.00	185.90	e IML
	3/10/2017	271	573.0	5	4.2		0.0742	0.065	111	185.90	e IML
			</								

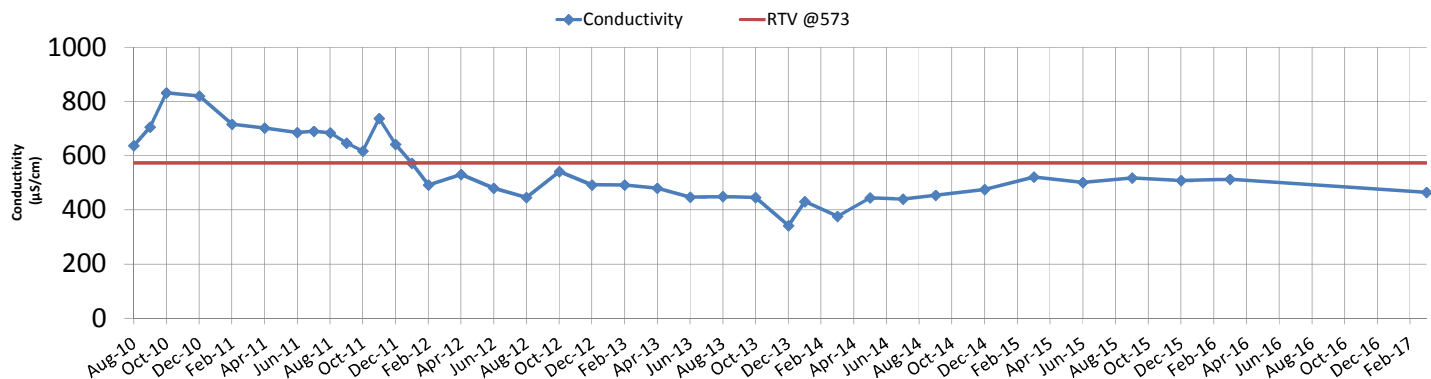
	Date	Conductivity (uS/cm)	RTV@57	Chloride (mg/L)	RTV@4.2	U3O8 (mg/L)	U-nat. (mg/L)	RTV@0.06	Alkalinity (mg/L)	RTV@185	Internal/E xternal Lab
	B-019										
	8/16/2010	702.60	573.00	31.00	4.20	2.16	1.83	0.07		185.90	
	9/11/2010	555.20	573.00	31.70	4.20	2.42	2.05	0.07		185.90	
	10/4/2010	789.00	573.00	38.30	4.20	2.10	1.78	0.07	228.00	185.90	
	12/14/2010	885.00	573.00	40.00	4.20	3.30	2.80	0.07		185.90	
	2/7/2011	954.00	573.00	54.70	4.20		4.24	0.07	213.00	185.90	
	4/15/2011	947.00	573.00	49.40	4.20		2.12	0.07	200.00	185.90	08 from EC
	6/14/2011	682.00	573.00	29.00	4.20		1.77	0.07	141.00	185.90	
	7/20/2011	744.60	573.00	35.00	4.20		1.72	0.07	150.00	185.90	
	8/17/2011	808.90	573.00	37.00	4.20		1.65	0.07	143.00	185.90	
	9/14/2011	623.40	573.00	26.00	4.20		1.33	0.07	121.00	185.90	
	10/12/2011	534.00	573.00	19.00	4.20		0.92	0.07	109.00	185.90	
	11/9/2011	741.70	573.00	24.00	4.20		1.00	0.07	113.00	185.90	
	12/15/2011	837.00	573.00	39.00	4.20		1.84	0.07	144.00	185.90	
	1/12/2012	964.00	573.00	49.00	4.20		2.90	0.07	169.00	185.90	
	2/7/2012	981.00	573.00	54.00	4.20		3.14	0.07	203.00	185.90	
	4/11/2012	918.00	573.00	50.00	4.20	4.30	3.65	0.07	224.00	185.90	
	6/13/2012	610.00	573.00	30.00	4.20	2.40	2.04	0.07	151.00	185.90	i
	8/14/2012	634.00	573.00	28.00	4.20	2.30	1.95	0.07	182.00	185.90	i
	10/8/2012	795.00	573.00	35.00	4.20	1.70	1.44	0.07	188.00	185.90	
	12/10/2012	1409.00	573.00	98.60	4.20	5.05	4.28	0.07	296.00	185.90	
	2/7/2013	760.00	573.00	37.00	4.20	0.90	0.76	0.07	183.00	185.90	i
	4/7/2013	800.00	573.00	32.00	4.20	1.00	0.85	0.07	211.00	185.90	i
	6/4/2013	733.00	573.00	29.00	4.20	1.40	1.19	0.07	208.00	185.90	i
	8/1/2013	1314.00	573.00	75.00	4.20	4.10	3.48	0.07	316.00	185.90	i
	10/2/2013	1245.00	573.00	59.00	4.20	3.70	3.14	0.07	236.00	185.90	i
	12/2/2013	454.00	573.00	21.00	4.20	0.90	0.76	0.07	128.00	185.90	i
	1/27/2014	482.00	573.00	14.00	4.20	0.70	0.59	0.07	125.00	185.90	i
	3/28/2014	328.00	573.00	10.00	4.20	0.90	0.76	0.07	99.00	185.90	i
	5/22/2014	240.00	573.00	3.00	4.20	0.10	0.08	0.07	63.00	185.90	i
	7/17/2014	208.00	573.00	3.00	4.20	0.08	0.07	0.07	78.00	185.90	i
	9/15/2014	285.00	573.00	4.00	4.20		0.18	0.07	97.00	185.90	e IML
	12/15/14	225.00	573.00	3.00	4.20		0.14	0.07	86.00	185.90	e IML
	3/16/2015	280.00	573.00	5.00	4.20		0.23	0.07	99.00	185.90	e IML
	6/15/2015	278.00	573.00	4.00	4.20		0.26	0.07	105.00	185.90	e IML
	9/9/2015	306.00	573.00	3.00	4.20		0.25	0.07	106.00	185.90	e IML
	12/10/2015	343.00	573.00	5.00	4.20		0.77	0.07	111.00	185.90	e IML
	3/8/2016	355.00	573.00	5.00	4.20		0.69	0.07	115.00	185.90	e IML
	3/10/2017	361	573.0	11	4.2		0.997	0.065	124	185.90	e IML

	Date	Conductivity (uS/cm)	RTV@57	Chloride (mg/L)	RTV@4.2	U3O8 (mg/L)	U-nat. (mg/L)	RTV@0.06	Alkalinity (mg/L)	RTV@185	Internal/External Lab
	"B Average" Conductivity RTV Chloride RTV U3O8 (mg/L) U Nat (mg/L) RTV Alkalinity RTV										
	8/16/2010	637.16	573.00	31.16	4.20	2.46	2.09	0.07		185.90	
	9/11/2010	704.86	573.00	33.43	4.20	2.93	2.48	0.07		185.90	
	10/4/2010	831.16	573.00	40.81	4.20	2.67	2.27	0.07	278.11	185.90	
	12/14/2010	820.26	573.00	38.32	4.20	2.59	2.20	0.07		185.90	
	2/7/2011	715.74	573.00	34.32	4.20	2.68	2.28	0.07	195.84	185.90	
	4/15/2011	701.32	573.00	30.85	4.20	1.86	1.57	0.07	185.79	185.90	
	6/14/2011	685.79	573.00	25.74	4.20	2.32	1.97	0.07	180.11	185.90	
	7/20/2011	690.53	573.00	26.56	4.20	2.16	1.83	0.07	181.22	185.90	
	8/17/2011	683.85	573.00	26.82	4.20	1.95	1.66	0.07	159.82	185.90	
	9/14/2011	646.41	573.00	24.50	4.20	1.84	1.56	0.07	160.06	185.90	
	10/12/2011	616.31	573.00	20.81	4.20	1.73	1.47	0.07	149.81	185.90	
	11/9/2011	736.75	573.00	20.94	4.20	1.68	1.42	0.07	143.94	185.90	
	12/15/2011	641.44	573.00	22.39	4.20	1.78	1.51	0.07	153.06	185.90	
	1/12/2012	571.75	573.00	19.58	4.20	1.77	1.50	0.07	144.16	185.90	
	2/27/2012	491.15	573.00	18.95	4.20	1.47	1.25	0.07	148.32	185.90	
	4/11/2012	530.42	573.00	19.95	4.20	1.68	1.43	0.07	157.05	185.90	
	6/5/2012	479.37	573.00	17.05	4.20	1.53	1.29	0.07	149.74	185.90	
	8/14/2012	446.05	573.00	15.79	4.20	1.51	1.28	0.07	149.05	185.90	
	10/8/2012	541.42	573.00	15.63	4.20	1.30	1.10	0.07	159.37	185.90	
	12/10/2012	491.53	573.00	18.21	4.20	1.64	1.39	0.07	152.16	185.90	
	2/7/2013	491.37	573.00	16.05	4.20	1.29	1.10	0.07	159.53	185.90	
	4/7/2013	480.11	573.00	16.89	4.20	1.25	1.06	0.07	141.21	185.90	
	6/7/2013	446.37	573.00	14.68	4.20	1.40	1.19	0.07	141.26	185.90	
	8/1/2013	448.79	573.00	15.05	4.20	1.39	1.18	0.07	138.95	185.90	
	10/2/2013	445.58	573.00	12.95	4.20	1.03	0.87	0.07	121.21	185.90	
	12/2/2013	341.68	573.00	10.26	4.20	0.54	0.46	0.07	115.11	185.90	
	1/27/2014	430.58	573.00	10.95	4.20	0.91	0.77	0.07	113.37	185.90	
	3/28/2014	376.37	573.00	9.95	4.20	1.08	0.91	0.07	125.32	185.90	
	5/22/2014	444.94	573.00	9.44	4.20	1.06	0.90	0.07	117.67	185.90	
	7/17/2014	439.56	573.00	11.06	4.20	0.42	0.36	0.07	134.83	1	

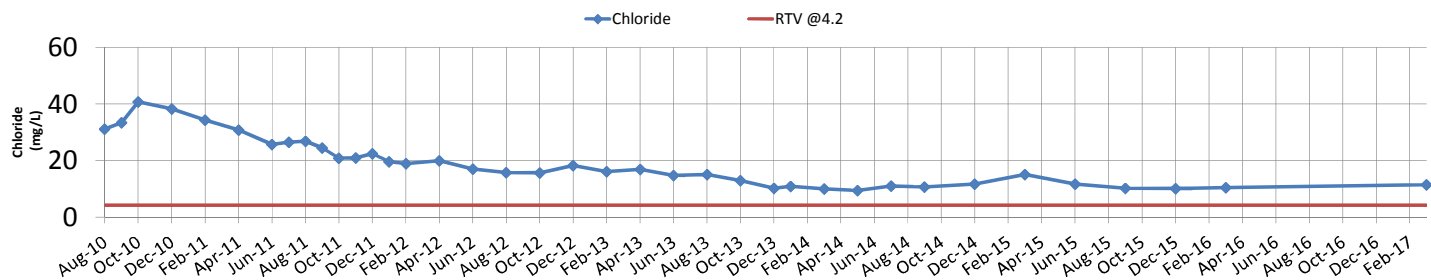
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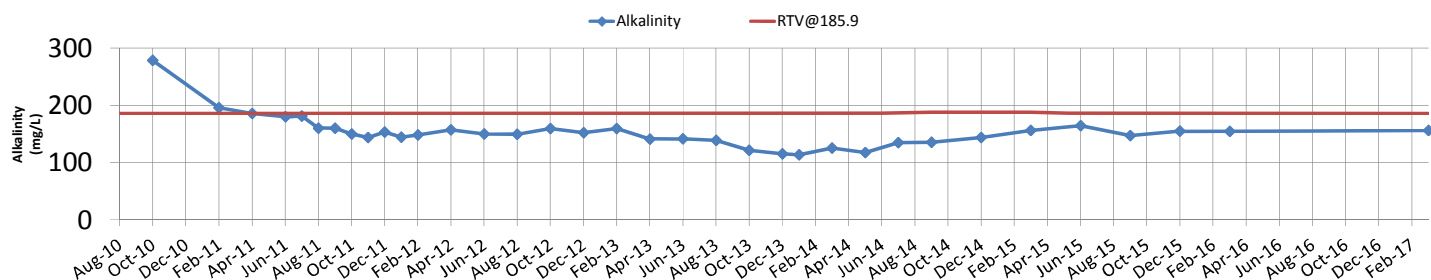
Mine Unit 1 -"B" Wells Conductivity Averages Over Time



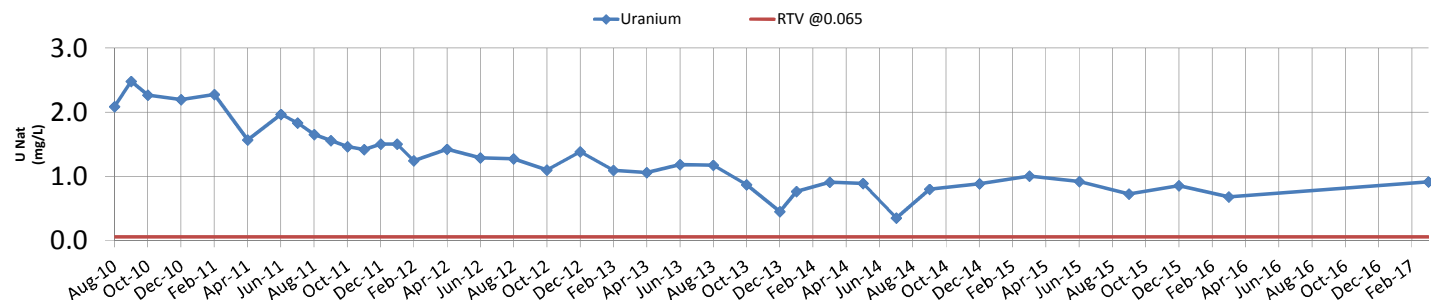
Mine Unit 1 -"B" Wells Chloride Averages Over Time

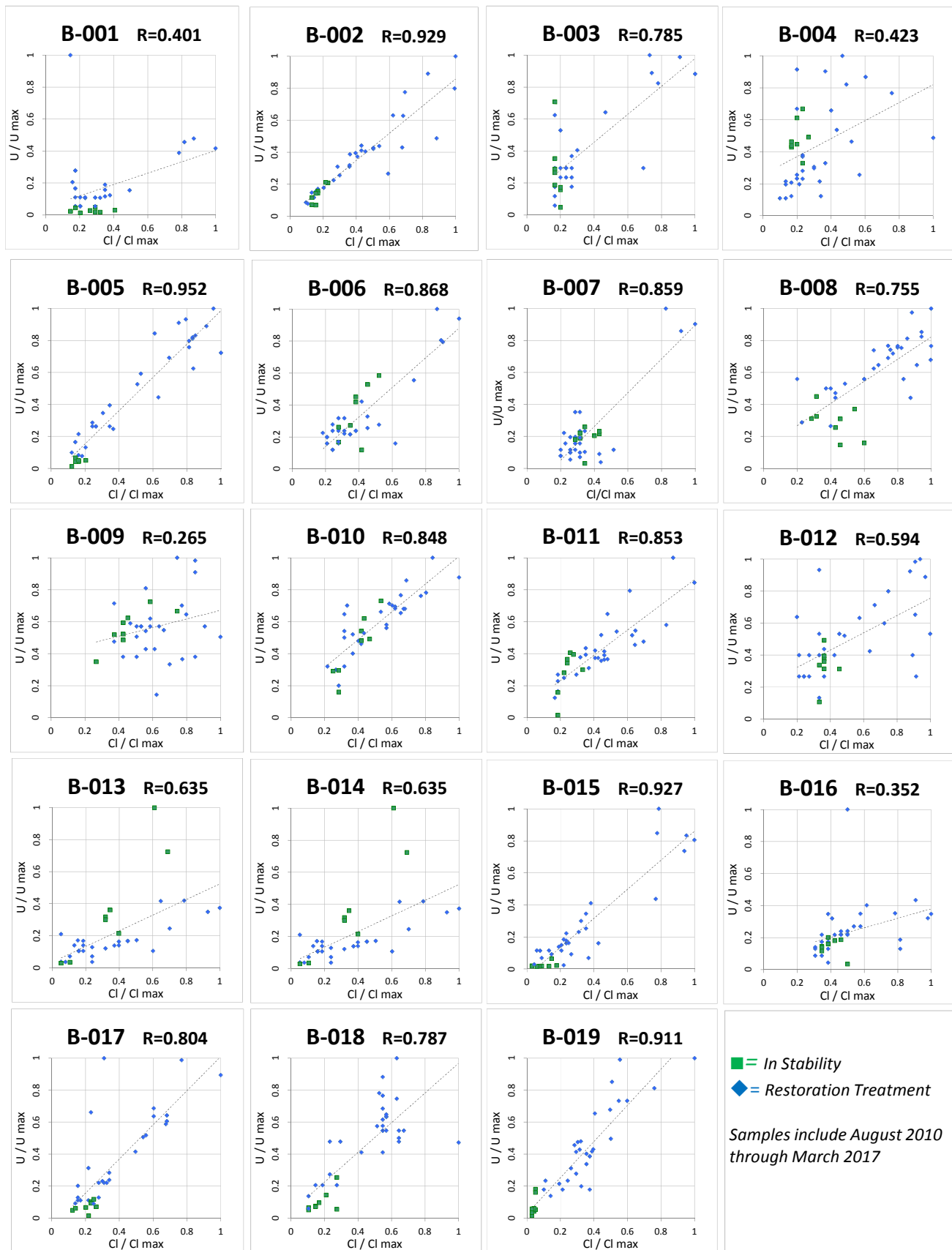


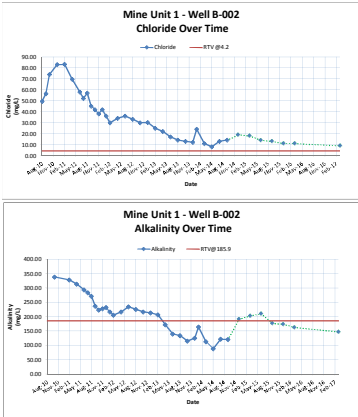
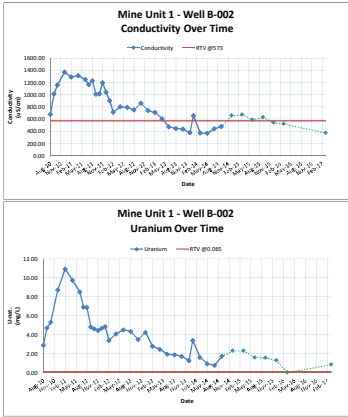
Mine Unit 1 -"B" Wells Alkalinity Averages Over Time



Mine Unit 1 -"B" Wells Uranium Averages Over Time





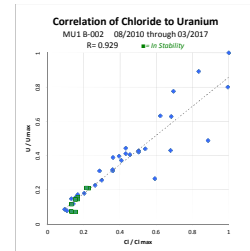


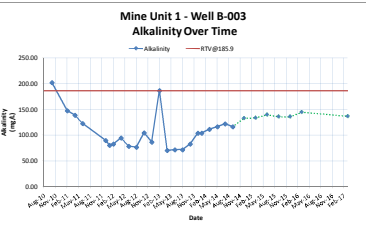
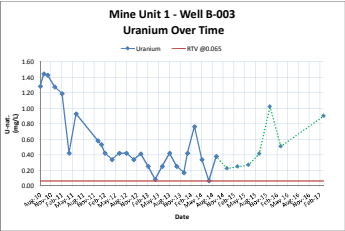
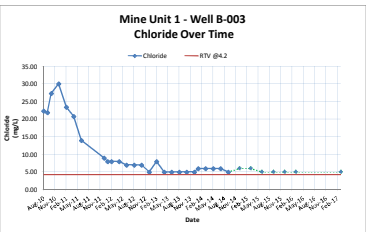
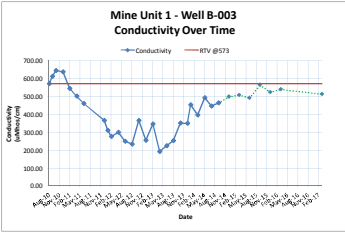
B-002

Date	Conductivity RTV	Chloride (mg/L) RTV	UO2(mg) / U(mg) RTV	Alkalinity (mg/L) RTV	Interval/External Lab
8/16/2010	677.5	573	40.5	4.2	3.40 2.300271
9/11/2010	1004	573	56.6	4.2	5.54 4.6881
10/6/2010	1181	573	71.9	4.2	6.20 5.584125
12/14/2010	1374	573	83	4.2	10.3 8.794735
2/7/2011	1295	573	83.5	4.2	10.9962 0.065
4/15/2011	1314	573	69.6	4.2	9.752174 0.065
6/14/2011	1251	573	58	4.2	8.48 0.065
7/20/2011	1165.6	573	52	4.2	6.9 0.065
8/17/2011	1312.7	573	57	4.2	6.86 0.065
9/14/2011	1010.1	573	45	4.2	4.8 0.065
10/12/2011	1016	573	42	4.2	4.6 0.065
11/9/2011	1100.9	573	38	4.2	4.41 0.065
12/5/2011	1043	573	42	4.2	4.67 0.065
1/12/2012	904	573	36	4.2	4.83 0.065
2/7/2012	755	573	30	4.2	3.89213 0.065
4/11/2012	803	573	34	4.2	4.8 4.070556
6/13/2012	794	573	36	4.2	5.1 4.045273
8/14/2012	753	573	33	4.2	5.1 4.124666
10/6/2012	861	573	30	4.2	4.1 3.476934
12/16/2012	743	573	30.2	4.2	5 4.440633
2/7/2013	709	573	25	4.2	3.3 2.798507
4/7/2013	683	573	22	4.2	2.9 2.451294
6/4/2013	471	573	17	4.2	2.3 1.850475
8/1/2013	446	573	14	4.2	2.2 1.855572
10/2/2013	438	573	13	4.2	2 1.896055
12/2/2013	379	573	12	4.2	1.6 1.272089
1/27/2014	656	573	24	4.2	4 3.39213
3/28/2014	371	573	11	4.2	1.9 1.611262
5/22/2014	366	573	8	4.2	1.1 0.532836
7/17/2014	440	573	13	4.2	0.9 0.763229
9/16/2014	476	573	14	4.2	1.77 0.065
12/15/2014	609	573	19	4.2	2.28 0.065
3/16/2015	674	573	18	4.2	2.31 0.065
6/16/2015	593	573	14	4.2	1.59 0.065
9/9/2015	632	573	13	4.2	1.56 0.065
12/10/2015	543	573	11	4.2	1.27 0.065
3/8/2016	522	573	11	4.2	0.794 0.065
3/10/2017	375	573	9	4.2	0.852 0.065

B-Correlation
0.92892505

Cl/Conc	U/Conc
0.50284	0.265116
0.67844	0.429457
0.88503	0.487597
0.99402	0.79845
1	1
0.83353	0.801473
0.69611	0.77354
0.62774	0.620735
0.68245	0.627078
0.53852	0.438752
0.50294	0.42049
0.45097	0.40409
0.50294	0.426889
0.43118	0.441514
0.50261	0.510078
0.407186	0.372093
0.412186	0.410853
0.39521	0.395349
0.30261	0.317629
0.36477	0.387597
0.299401	0.253814
0.263473	0.224806
0.20393	0.178295
0.16765	0.170543
0.15589	0.150339
0.143713	0.116279
0.287425	0.100778
0.131737	0.147287
0.09586	0.08271
0.155689	0.069767
0.078766	0.072727
0.27745	0.08407
0.21596	0.211139
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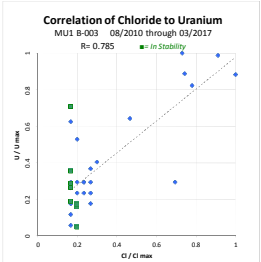


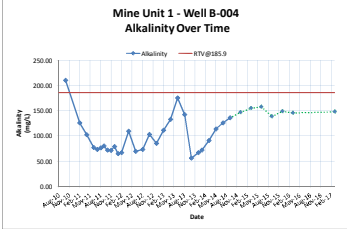
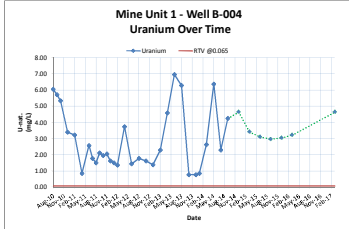
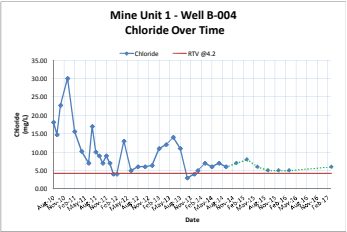
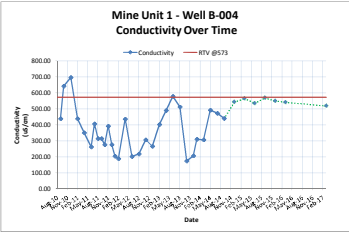
B-003

Date	Conductivity		Chloride [mg/L]	RTV	USOR [mg/L]	U-sat. [mg/L]	RTV	Alkalinity [mg/L]	RTV	Internal/External lab
	µS/cm	RTV								
8/16/2010	572.9	573	22.3	4.2	1.51	1.280529	0.065			185.9
9/11/2010	613.2	573	21.9	4.2	1.7	1.441855	0.065			185.9
10/6/2010	646	573	27.3	4.2	1.68	1.424095	0.065	202	185.9	
12/14/2010	638	573	30	4.2	1.5	1.272049	0.065			185.9
2/7/2011	545	573	23.4	4.2	1.87246	0.065		148	185.9	e / u 308 from EC
4/15/2011	503	573	20.8	4.2	0.424016	0.065	139	185.9	e / u 308 from EC	
4/14/2011	462	573	14	4.2	0.926	0.065		123	185.9	
7/20/2011		573		4.2		0.065				185.9
8/17/2011		573		4.2		0.065				185.9
9/14/2011		573		4.2		0.065				185.9
10/12/2011		573		4.2		0.065				185.9
11/9/2011		573		4.2		0.065				185.9
12/15/2011	367	573	9	4.2	0.583	0.065		90	185.9	
1/12/2012	310.5	573	8	4.2	0.532	0.065		81	185.9	
2/7/2012	277.8	573	8	4.2	0.424016	0.065		83	185.9	
4/11/2012	301	573	8	4.2	0.4	0.330113	0.065			185.9 i
6/13/2012	250	573	7	4.2	0.5	0.424016	0.065			79 185.9 i
8/14/2012	235	573	7	4.2	0.5	0.424016	0.065			77 185.9 i
10/8/2012	367	573	7	4.2	0.4	0.330113	0.065			105 185.9
12/10/2012	255	573	5	4.2	0.4864	0.412483	0.065	87	185.9 i	
2/7/2013	246	573	8	4.2	0.5	0.25441	0.065			187 185.9 i
4/7/2013	193	573	5	4.2	0.1	0.084803	0.065			71 185.9 i
6/4/2013	226	573	5	4.2	0.3	0.25441	0.065			72 185.9 i
8/1/2013	253	573	5	4.2	0.5	0.424016	0.065			72 185.9 i
10/2/2013	352	573	5	4.2	0.3	0.25441	0.065			83 185.9 i
12/2/2013	350	573	5	4.2	0.2	0.109007	0.065			104 185.9 i
2/27/2014	454	573	6	4.2	0.5	0.424016	0.065			104 185.9 i
3/28/2014	397	573	6	4.2	0.9	0.763229	0.065			112 185.9 i
5/22/2014	494	573	6	4.2	0.4	0.330113	0.065			117 185.9 i
7/17/2014	447	573	6	4.2	0.08	0.067843	0.065			122 185.9 i
9/15/2014	465	573	5	4.2	0.381	0.065				117 185.9 e NAL
12/15/2014	499	573	6	4.2	0.228	0.065				133 185.9 e NAL
3/16/2015	509	573	5	4.2	0.25	0.065				134 185.9 e NAL
6/15/2015	493	573	5	4.2	0.272	0.065				140 185.9 e NAL
9/9/2015	565	573	5	4.2	0.415	0.065				136 185.9 e NAL
12/10/2015	525	573	5	4.2	1.02	0.065				136 185.9 e NAL
3/8/2016	541	573	5	4.2	0.511	0.065				145 185.9 e NAL
3/10/2017	514	573	5	4.2	0.901	0.065				137 185.9 e NAL

R-Correlation
0.785116433

C/CI Max	U/CI Max	U/CI
0.743333	0.888235	0.73
0.81	0.888235	1
1	0.882353	1
0.78	0.823229	0.693333
0.693333	0.294118	0.466667
0.466667	0.642317	
0.3	0.404396	
0.266667	0.36902	
0.266667	0.294118	
0.266667	0.232394	
0.233333	0.294118	
0.233333	0.294118	
0.233333	0.232394	
0.166667	0.286118	
0.166667	0.174771	
0.166667	0.058824	
0.166667	0.174771	
0.166667	0.294118	
0.166667	0.174771	
0.166667	0.117447	
0.2	0.294118	
0.2	0.524412	
0.2	0.232394	
0.2	0.047059	
0.166667	0.23608	
0.2	0.168131	
0.2	0.173432	
0.166667	0.086673	
0.166667	0.287864	
0.166667	0.70752	
0.166667	0.254412	
0.166667	0.624376	



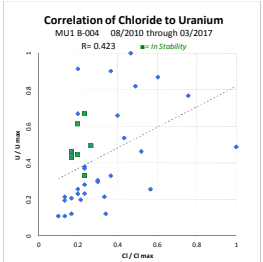


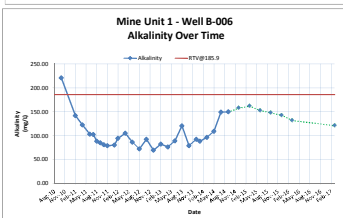
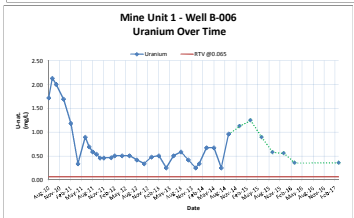
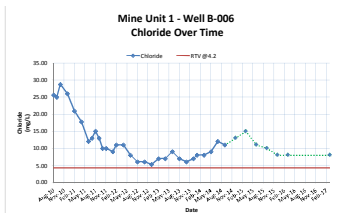
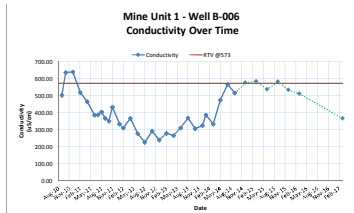
B-004

Date	Conductivity µS/cm	Chloride (mg/L)	RTV	U308 (mg/L)	U-nat. (mg/L)	Alkalinity (mg/L)	Internal/E	
							external Lab	external Lab
8/16/2010	573	18.1	4.2	7.12	6.037992	0.065		185.9
9/11/2010	438.8	573	14.7	4.2	6.73	5.707259	0.065	185.9
10/4/2010	641	573	22.7	4.2	6.29	5.334125	0.065	210
10/4/2010	696	573	30	4.2	4	3.39213	0.065	185.9
2/7/2011	439	573	15.6	4.2	3.22524	0.065	126	185.9 e / u/308 from EC
4/15/2011	351	573	10.2	4.2	0.848033	0.065	102	185.9 e / u/308 from EC
6/4/2011	262	573	7	4.2	2.57	0.065	77	185.9
7/10/2011	406.1	573	17	4.2	1.78	0.065	73	185.9
8/17/2011	315.1	573	10	4.2	1.49	0.065	76	185.9
9/14/2011	315.9	573	9	4.2	2.12	0.065	80	185.9
11/9/2011	391.4	573	9	4.2	2.06	0.065	71	185.9
1/2/2012	277	573	7	4.2	1.61	0.065	79	185.9
1/2/2012	203.6	573	4	4.2	1.49	0.065	65	185.9
2/7/2012	189	573	4	4.2	1.358832	0.065	67	185.9
4/11/2012	437	573	13	4.2	4.4	3.731343	0.065	109
6/13/2012	203	573	5	4.2	1.7	1.441655	0.065	69
8/14/2012	218	573	6	4.2	2.1	1.788868	0.065	73
10/8/2012	307	573	6	4.2	1.9	1.611262	0.065	103
10/8/2012	267	573	6.4	4.2	1.6108	1.373643	0.065	85
2/7/2013	402	573	11	4.2	2.7	2.289688	0.065	111
4/7/2013	490	573	12	4.2	5.4	4.579376	0.065	133
6/4/2013	578	573	14	4.2	8.2	6.953867	0.065	175
8/1/2013	513	573	11	4.2	7.4	6.275441	0.065	142
10/2/2013	175	573	3	4.2	0.9	0.763229	0.065	56
12/2/2013	206	573	4	4.2	0.9	0.763229	0.065	67
1/27/2014	310	573	5	4.2	1	0.848033	0.065	72
3/28/2014	306	573	7	4.2	1.1	2.628901	0.065	91
5/22/2014	493	573	6	4.2	7.5	6.362344	0.065	114
7/17/2014	473	573	7	4.2	2.7	2.289688	0.065	126
9/15/2014	441	573	6	4.2	4.25	0.065	136	185.9 e IMAL
11/1/2014	543	573	7	4.2	5.48	6.647218	0.065	147
3/14/2015	565	573	8	4.2	1.42	0.065	155	185.9 e IMAL
6/15/2015	536	573	6	4.2	1.11	0.065	158	185.9 e IMAL
8/9/2015	569	573	5	4.2	2.98	0.065	139	185.9 e IMAL
11/1/2015	550	573	5	4.2	3.05	0.065	149	185.9 e IMAL
3/9/2016	542	573	5	4.2	3.22	0.065	146	185.9 e IMAL
3/10/2017	519	573	6	4.2	4.65	0.065	148	185.9

R=Correlation
0.423313619

C/(C)Max	U/(U)max
0.603333	0.862893
0.49	0.820752
0.756667	0.767073
1	0.487805
0.52	0.404345
0.34	0.121951
0.233333	0.369579
0.566667	0.255973
0.333333	0.214269
0.1	0.848046
0.233333	0.28042
0.3	0.296238
0.233333	0.231526
0.133333	0.214269
0.133333	0.195122
0.433333	0.536585
0.166667	0.207317
0.2	0.226808
0.2	0.231707
0.213333	0.197537
0.366667	0.320248
0.4	0.658537
0.466667	1
0.366667	0.302439
0.1	0.109756
0.133333	0.109756
0.166667	0.121951
0.233333	0.378049
0.2	0.914634
0.233333	0.329268
0.1	0.811171
0.133333	0.606291
0.266667	0.491813
0.2	0.844723
0.166667	0.420549
0.166667	0.430605
0.166667	0.462623
0.12	0.988823



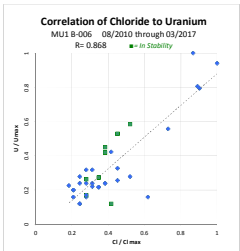


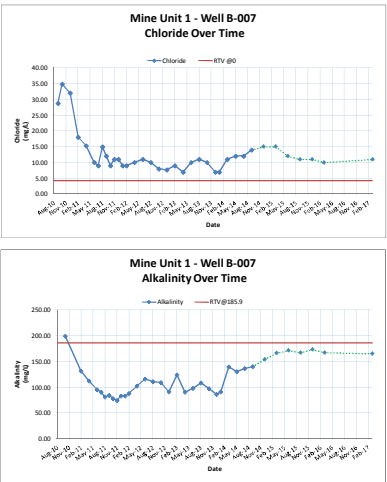
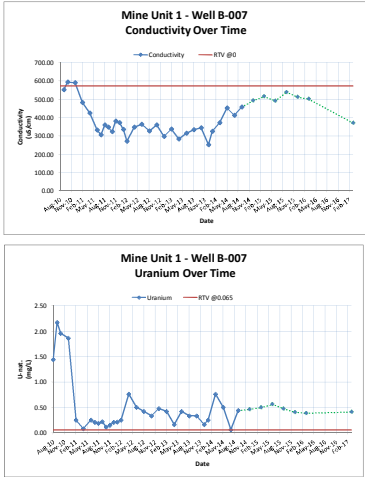
B-006

Date	Conductivity (µS/cm)	RTV	Chloride (mg/L)	RTV	USOR (mg/L)	U-nat (mg/L)	RTV	Alkalinity (mg/L)	RTV	Internal/External Lab
8/16/2020	503.2	579	21.7	4.2	2.13	1.725506	0.065	185.9		
9/11/2020	503.2	579	25	4.2	2.52	2.137042	0.065	185.9		
10/4/2020	637	579	28.8	4.2	2.37	2.030837	0.065	221	185.9	
12/14/2020	640	579	26	4.2	2	1.696065	0.065	185.9		
2/7/2021	580	579	25	4.2	1.187246	0.065	142	185.9	a / u308 from EC	
4/5/2021	464	579	17.8	4.2	0.39213	0.065	122	185.9	a / u308 from EC	
4/14/2021	385	579	12	4.2	0.901	0.065	103	185.9		
7/20/2021	386.3	579	11	4.2	0.699	0.065	102	185.9		
8/17/2021	403.3	579	15	4.2	0.592	0.065	88	185.9		
9/14/2021	305.8	579	13	4.2	0.546	0.065	85	185.9		
10/12/2021	349	579	10	4.2	0.461	0.065	81	185.9		
11/9/2021	432.1	579	10	4.2	0.463	0.065	79	185.9		
12/16/2021	579	579	4.2	0.065	185.9	a				
1/12/2022	333.1	579	9	4.2	0.47	0.065	80	185.9		
2/27/2022	309	579	11	4.2	0.50882	0.065	94	185.9		
4/11/2022	367	579	11	4.2	0.6	0.50882	0.065	105	185.9	
6/11/2022	276	579	8	4.2	0.6	0.50882	0.065	86	185.9	
8/14/2022	225	579	6	4.2	0.5	0.424016	0.065	72	185.9	
10/8/2022	290	579	6	4.2	0.4	0.339213	0.065	92	185.9	
12/20/2022	238	579	5.3	4.2	0.565	0.48041	0.065	69	185.9	
2/7/2023	277	579	7	4.2	0.6	0.50882	0.065	82	185.9	
4/7/2023	264	579	7	4.2	0.3	0.25441	0.065	76	185.9	
6/4/2023	310	579	9	4.2	0.6	0.50882	0.065	89	185.9	
8/1/2023	369	579	7	4.2	0.7	0.50823	0.065	120	185.9	
10/2/2023	306	579	6	4.2	0.5	0.424016	0.065	79	185.9	
12/2/2023	322	579	7	4.2	0.3	0.25441	0.065	92	185.9	
1/27/2024	386	579	8	4.2	0.4	0.339213	0.065	88	185.9	
3/28/2024	332	579	8	4.2	0.8	0.678426	0.065	96	185.9	
5/22/2024	424	579	9	4.2	0.8	0.678426	0.065	109	185.9	
7/17/2024	566	579	12	4.2	0.3	0.25441	0.065	149	185.9	
9/11/2024	556	579	11	4.2	0.93	0.065	150	185.9	u308	
10/2/2024	577	579	13	4.2	1.1	0.065	158	185.9	u308	
3/16/2025	585	579	15	4.2	1.25	0.065	162	185.9	u308	
6/18/2025	538	579	11	4.2	0.895	0.065	153	185.9	u308	
9/9/2025	583	579	10	4.2	0.58	0.065	148	185.9	u308	
12/10/2025	531	579	8	4.2	0.56	0.065	143	185.9	u308	
3/6/2026	511	579	8	4.2	0.36	0.065	132	185.9	u308	
3/10/2027	366	579	8	4.2	0.361	0.065	121	185.9	u308	

R=Correlation

CI/Clmax	U/Umax
0.368895532	
0.802361	0.805556
0.808956	1
1	0.940476
0.02778	0.798651
0.729167	0.555556
0.618056	0.15873
0.616667	0.431411
0.451389	0.377888
0.520833	0.277818
0.451389	0.255493
0.347222	0.215719
0.387222	0.216655
0.3125	0.21993
0.381944	0.238095
0.381944	0.238095
0.277778	0.238095
0.208333	0.198413
0.208333	0.15873
0.184028	0.224802
0.240556	0.238095
0.240556	0.110548
0.3125	0.238095
0.240556	0.277778
0.208333	0.198413
0.240556	0.110548
0.277778	0.15873
0.277778	0.31746
0.3125	0.31746
0.416667	0.110548
0.451389	0.528758
0.520833	0.584651
0.381944	0.438813
0.347222	0.271601
0.277778	0.262046
0.277778	0.168467
0.277778	0.168467



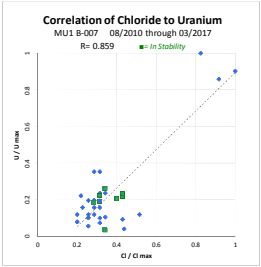


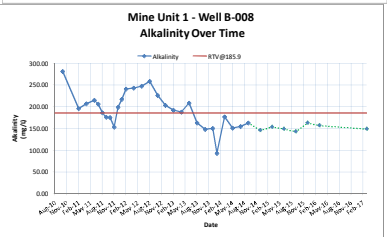
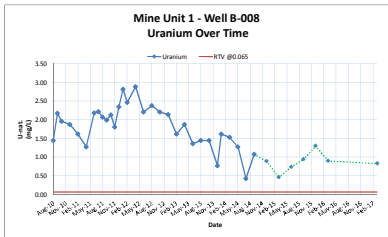
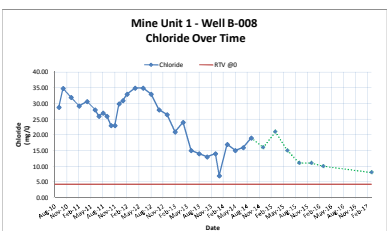
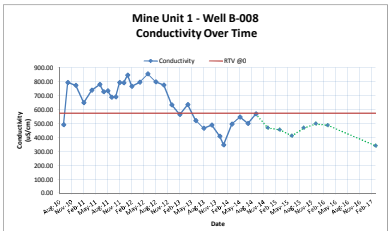
B-007

Date	Conductivity By (µS/cm)	Chloride RTV (mg/L)	U3O8 RTV (mg/L)	U-nat. (mg/L)	Alkalinity RTV (mg/L)	Internal/E external Lab
8/16/2010	573	27.8	4.2	1.7	1.441655	0.065
9/11/2010	550.9	573	28.8	4.2	2.56	2.170963
10/4/2010	594	573	34.9	4.2	2.31	1.958955
12/14/2010	590	573	32	4.2	2.2	1.865072
2/7/2011	482	573	18	4.2	0.25441	0.065
4/15/2011	424	573	15.3	4.2	0.084803	0.065
6/14/2011	331	573	10	4.2	0.254	0.065
7/20/2011	306.1	573	9	4.2	0.236	0.065
8/17/2011	358.9	573	15	4.2	0.197	0.065
9/14/2011	346.7	573	12	4.2	0.224	0.065
10/12/2011	322	573	9	4.2	0.138	0.065
11/9/2011	380.6	573	11	4.2	0.105	0.065
12/15/2011	372	573	11	4.2	0.214	0.065
1/12/2012	334.8	573	9	4.2	0.233	0.065
2/7/2012	270	573	9	4.2	0.25441	0.065
4/11/2012	348	573	10	4.2	0.9	0.763229
6/13/2012	363	573	11	4.2	0.6	0.50882
8/14/2012	327	573	10	4.2	0.5	0.424016
10/8/2012	360	573	8	4.2	0.4	0.339213
12/10/2012	296	573	7.7	4.2	0.6665	0.48041
2/7/2013	337	573	9	4.2	0.5	0.424016
4/7/2013	282	573	7	4.2	0.2	0.169607
6/4/2013	314	573	10	4.2	0.5	0.424016
8/2/2013	334	573	11	4.2	0.4	0.339213
10/2/2013	344	573	10	4.2	0.4	0.339213
12/2/2013	251	573	7	4.2	0.2	0.169607
1/27/2014	325	573	7	4.2	0.3	0.25441
3/28/2014	372	573	11	4.2	0.9	0.763229
5/22/2014	452	573	12	4.2	0.6	0.50882
7/17/2014	412	573	12	4.2	0.08	0.047943
9/15/2014	458	573	14	4.2	0.443	0.065
12/15/2014	493	573	15	4.2	0.489	0.065
3/14/2015	515	573	15	4.2	0.509	0.065
6/15/2015	491	573	12	4.2	0.566	0.065
9/9/2015	539	573	11	4.2	0.481	0.065
12/10/2015	512	573	11	4.2	0.411	0.065
3/8/2016	501	573	10	4.2	0.393	0.065
5/10/2017	370	573	11	4.2	0.438	0.065

R=Correlation
0.8587323618

C/ClMax	U/Umax
0.825215	1
0.3602344	0.969053
0.916905	0.893775
0.511759	0.117888
0.438095	0.090653
0.286633	0.116999
0.25788	0.094495
0.429789	0.102613
0.34384	0.10318
0.25788	0.094564
0.311586	0.071397
0.311586	0.098574
0.25788	0.100416
0.25788	0.117888
0.286633	0.351563
0.311586	0.234375
0.286633	0.195313
0.222626	0.15625
0.22602	0.212389
0.25788	0.195313
0.200573	0.078125
0.286633	0.195313
0.311586	0.15625
0.286633	0.15625
0.200573	0.078125
0.200573	0.117888
0.34384	0.234375
0.34384	0.103125
0.361146	0.350407
0.429789	0.216041
0.429789	0.232125
0.34384	0.260734
0.311586	0.222566
0.311586	0.188517
0.286633	0.181026
0.311586	0.192541



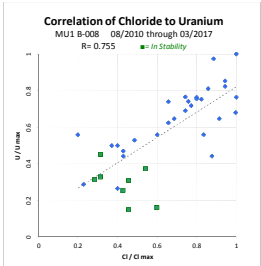


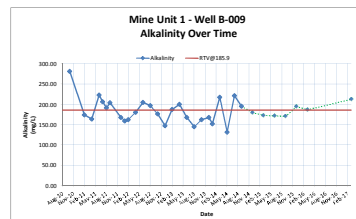
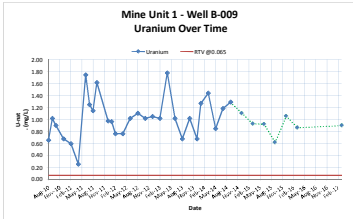
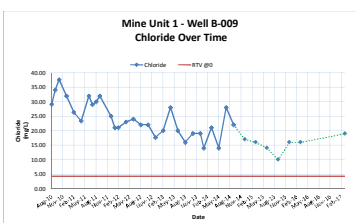
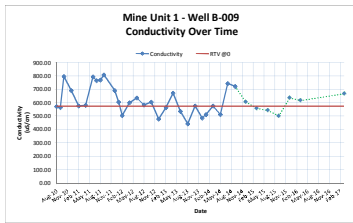
B-008

Conductiv	Chloride	U208	U-nat.	Alkalinity	Internal/E
By					ternal/Lab
Date	(uS/cm)	RTV	(mg/L)	(mg/L)	RTV
8/16/2010	491.3	573	28.8	4.2	1.7
9/11/2010	794	573	34.9	4.2	2.31
10/4/2010	773	573	12	4.2	2.2
2/7/2011	646	573	29.2	4.2	1.611262
4/15/2011	738	573	30.7	4.2	1.272049
6/14/2011	779	573	28	4.2	2.18
7/20/2011	726.3	573	26	4.2	2.21
8/17/2011	784.1	573	27	4.2	2.07
9/14/2011	687.3	573	26	4.2	1.99
#####	489	573	23	4.2	2.13
11/9/2011	793.4	573	23	4.2	1.8
#####	791	573	30	4.2	2.34
1/12/2012	845.9	573	31	4.2	2.81
3/7/2012	766	573	13	4.2	2.459294
4/11/2012	795	573	35	4.2	3.4
6/13/2012	856	573	35	4.2	2.6
8/14/2012	797	573	13	4.2	2.8
10/8/2012	775	573	28	4.2	2.6
#####	632	573	26.5	4.2	2.5218
2/7/2013	563	573	21	4.2	1.9
4/7/2013	634	573	24	4.2	2.2
6/4/2013	519	573	15	4.2	1.6
8/1/2013	464	573	14	4.2	1.7
10/2/2013	489	573	13	4.2	1.7
12/2/2013	408	573	14	4.2	0.9
1/27/2014	345	573	7	4.2	1.9
3/28/2014	495	573	17	4.2	1.8
1/22/2014	546	573	15	4.2	1.5
7/17/2014	499	573	16	4.2	0.5
9/15/2014	568	573	19	4.2	1.07
#####	469	573	16	4.2	0.892
3/16/2015	455	573	21	4.2	0.46
6/15/2015	412	573	15	4.2	0.735
9/9/2015	468	573	11	4.2	0.938
#####	498	573	11	4.2	1.1
3/8/2016	487	573	10	4.2	0.899
3/10/2017	339	573	8	4.2	0.829

R=Correlation
0.755185469

C/CI Max	U/Umax
0.822857	0.732641
0.997143	0.679412
0.934286	0.647059
0.834286	0.558024
0.877143	0.441176
0.6	0.756075
0.742857	0.76648
0.771429	0.71705
0.742857	0.60179
0.657143	0.738734
0.657143	0.624282
0.857143	0.811567
0.885714	0.974574
0.942857	0.852941
1	1
1	0.764706
0.942857	0.823209
0.6	0.764706
0.757143	0.741706
0.6	0.558024
0.685714	0.647059
0.428571	0.470588
0.4	0.5
0.373429	0.5
0.2	0.558024
0.428571	0.39412
0.428571	0.441176
0.457143	0.147059
0.845714	0.393857
0.74	0.159549
0.428571	0.25405
0.514286	0.52131
0.514286	0.42065
0.285714	0.311794
0.285714	0.267531



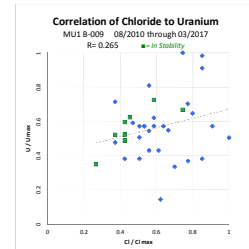


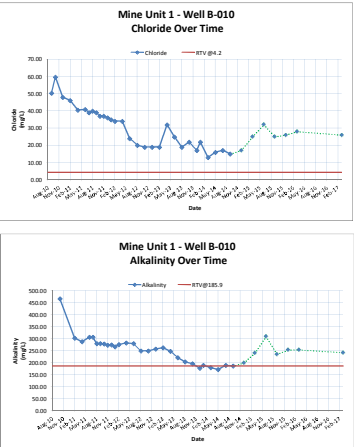
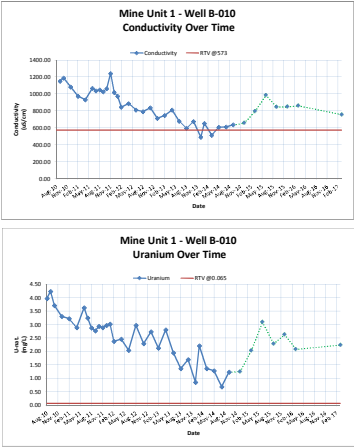
B-009

Date	Conductivity µS/cm	Chloride mg/L	RTV	U-nat mg/L	Alkalinity mg/L	Internal/External Lab
8/16/2010	571	571	29.1	4.2	0.77	0.652085
9/11/2010	564.8	571	34.1	4.2	1.2	0.617639
10/02/2010	795	571	37.6	4.2	1.06	0.608935
12/14/2010	692	571	32	4.2	0.8	0.678426
2/7/2011	574	571	26.3	4.2	0.599323	0.665
4/15/2011	581	571	23.4	4.2	0.25441	0.665
6/14/2011	793	571	32	4.2	1.75	0.665
7/26/2011	795.2	571	29	4.2	1.25	0.665
8/17/2011	768.6	571	30	4.2	1.15	0.665
9/14/2011	807.9	571	32	4.2	1.62	0.665
10/12/2011	571	571	4.2	4.2	0.665	185.9
11/9/2011	571	571	25	4.2	0.975	0.665
12/5/2011	690	571	21	4.2	0.866	0.665
1/12/2012	605	571	21	4.2	0.763229	0.665
2/7/2012	595	571	21	4.2	0.763229	0.665
4/11/2012	600	571	23	4.2	0.9	0.763229
6/13/2012	617	571	24	4.2	1.2	0.617639
8/14/2012	583	571	22	4.2	1.3	1.102442
10/10/2012	605	571	22	4.2	1.2	0.617639
12/26/2012	479	571	17.6	4.2	1.2399	1.054476
2/7/2013	564	571	20	4.2	1.2	0.617639
4/7/2013	672	571	28	4.2	2.1	1.780868
6/4/2013	535	571	20	4.2	1.2	0.617639
8/1/2013	443	571	16	4.2	0.8	0.678426
10/1/2013	577	571	19	4.2	1.2	0.617639
12/2/2013	485	571	19	4.2	0.8	0.678426
1/27/2014	512	571	34	4.2	1.5	1.272099
3/28/2014	577	571	21	4.2	1.7	1.441655
5/2/2014	512	571	14	4.2	1.0	0.448013
7/17/2014	743	571	28	4.2	1.4	1.187246
9/13/2014	722	571	22	4.2	1.29	0.665
11/5/2014	605	571	17	4.2	1.11	0.665
1/16/2015	558	571	16	4.2	0.932	0.665
4/10/2015	543	571	14	4.2	0.927	0.665
6/9/2015	502	571	10	4.2	0.622	0.665
12/10/2015	617	571	16	4.2	1.16	0.665
3/8/2016	617	571	16	4.2	0.866	0.665
3/10/2017	668	571	19	4.2	0.902	0.665

B-Correlation
0.26495464

Cl/Cl max	U/U max
0.773916	0.36667
0.906915	0.571429
1	0.504562
0.852664	0.380952
0.699468	0.333333
0.62234	0.142857
0.852664	0.380952
0.773277	0.701405
0.797872	0.645752
0.852664	0.509609
0.664894	0.547486
0.538111	0.542432
0.538111	0.42871
0.611702	0.42871
0.611702	0.42871
0.611702	0.42871
0.585106	0.619048
0.585106	0.619048
0.468885	0.506429
0.531915	0.571429
0.744681	1
0.531915	0.571429
0.425512	0.360952
0.505319	0.571429
0.505319	0.380952
0.372314	0.774386
0.585311	0.80924
0.372314	0.47619
0.744681	0.66667
0.585106	0.72439
0.425512	0.360952
0.425512	0.360952
0.372314	0.774386
0.265957	0.340264
0.425512	0.360952
0.425512	0.360952
0.425512	0.360952



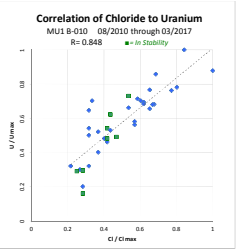


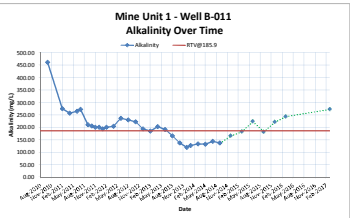
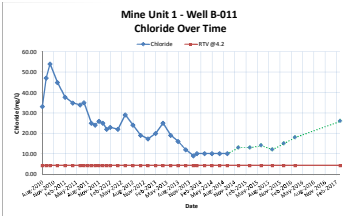
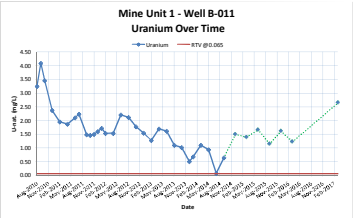
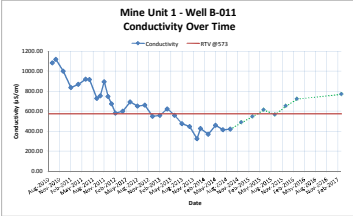
B-010

Date	Conductivity		RTV	Chloride		RTV	UO8	U-nat.		RTV	Alkalinity	RTV	Internal/Lab
	Ry	µS/cm		mg/L	µS/cm		mg/L	mg/L	µS/cm		mg/L		
8/16/2010	1187	573	50.4	4.2	4.38	3.977273	0.065		185.9				
9/11/2010	1150	573	50.4	4.2	4.99	4.216882	0.065		185.9				
10/06/2010	1187	573	50.8	4.2	4.38	3.974881	0.065	466	185.9				
12/14/2010	1081	573	48	4.2	3.9	3.307327	0.065		185.9				
2/7/2011	974	573	46.2	4.2	3.222544	0.065	302	185.9 e / u308 from EC	185.9				
4/15/2011	931	573	40.5	4.2	2.883111	0.065	288	185.9 e / u308 from EC	185.9				
6/14/2011	1066	573	41	4.2	3.63	0.065	306	185.9					
7/26/2011	1016.3	573	39	4.2	3.44	0.065	306	185.9					
8/17/2011	1048	573	40	4.2	2.88	0.065	279	185.9					
9/19/2011	1024.5	573	39	4.2	2.77	0.065	280	185.9					
10/12/2011	1062	573	37	4.2	2.94	0.065	276	185.9					
11/9/2011	1241	573	37	4.2	2.89	0.065	273	185.9					
12/5/2011	1057	573	36	4.2	2.97	0.065	274	185.9					
1/12/2012	972.9	573	35	4.2	3.02	0.065	266	185.9					
2/7/2012	843	573	34	4.2	2.174491	0.065	276	185.9					
4/11/2012	884	573	34	4.2	2.9	2.459294	0.065	282	185.9				
6/13/2012	811	573	34	4.2	2.4	2.032376	0.065	279	185.9 i				
8/14/2012	791	573	20	4.2	3.5	2.968114	0.065	249	185.9 i				
10/6/2012	858	573	19	4.2	2.7	2.289688	0.065	249	185.9				
12/6/2012	713	573	19	4.2	3.2203	2.786027	0.065	257	185.9				
2/7/2013	747	573	19	4.2	2.5	2.230081	0.065	262	185.9 i				
4/7/2013	810	573	32	4.2	3.1	2.708527	0.065	248	185.9 i				
6/4/2013	677	573	25	4.2	2.3	1.950475	0.065	221	185.9 i				
8/1/2013	594	573	19	4.2	1.6	1.156832	0.065	204	185.9 i				
10/2/2013	674	573	22	4.2	2	1.690655	0.065	196	185.9 i				
12/2/2013	489	573	17	4.2	1	0.848033	0.065	177	185.9 i				
1/27/2014	651	573	22	4.2	2.6	2.204855	0.065	189	185.9 i				
3/28/2014	511	573	13	4.2	1.6	1.356832	0.065	179	185.9 i				
5/2/2014	604	573	16	4.2	1.5	1.272049	0.065	171	185.9 i				
7/17/2014	609	573	17	4.2	0.8	0.678426	0.065	189	185.9 i				
9/15/2014	685	573	15	4.2	1.23	0.065	186	185.9 e iNAL					
12/5/2014	655	573	17	4.2	1.25	0.065	199	185.9 e iNAL					
3/16/2015	796	573	25	4.2	2.04	0.065	240	185.9 e iNAL					
6/16/2015	987	573	32	4.2	3.09	0.065	309	185.9 e iNAL					
9/9/2015	846	573	25	4.2	2.29	0.065	235	185.9 e iNAL					
12/5/2015	849	573	26	4.2	2.63	0.065	253	185.9 e iNAL					
3/8/2016	861	573	28	4.2	2.08	0.065	254	185.9 e iNAL					
3/10/2017	756	573	26	4.2	2.24	0.065	242	185.9 e iNAL					

R-Correlation
0.847859889

C1/Cmax	U/Umax	
	U/Umax	U/Umax
0.842809	1	0.93988
0.842809	1	0.87756
0.802076	0.781563	
0.772575	0.761523	
0.677258	0.681363	
0.685619	0.87815	
0.652174	0.705653	
0.668896	0.68058	
0.652174	0.654466	
0.618729	0.684759	
0.618729	0.88244	
0.602007	0.701848	
0.582844	0.718664	
0.568562	0.561122	
0.568562	0.581162	
0.402338	0.408562	
0.334448	0.701403	
0.317726	0.545082	
0.317726	0.646553	
0.317726	0.501002	
0.335117	0.651123	
0.41806	0.460022	
0.317726	0.320641	
0.367493	0.400802	
0.284281	0.200401	
0.367493	0.321642	
0.217391	0.320641	
0.267569	0.300401	
0.284281	0.160521	
0.270816	0.270816	
0.364281	0.295191	
0.41806	0.402076	
0.335117	0.718664	
0.41806	0.541526	
0.404759	0.621501	
0.460227	0.491513	
0.491513	0.320641	



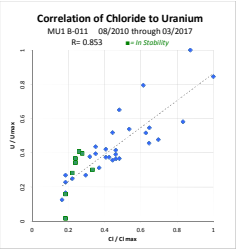


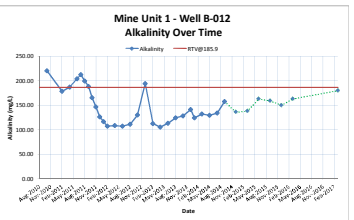
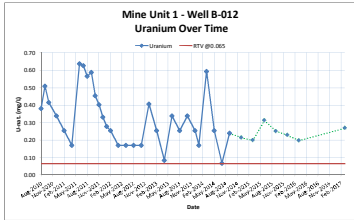
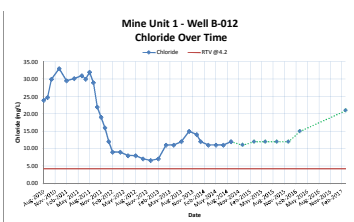
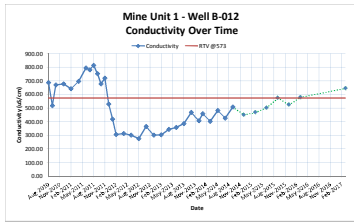
B-011

Conductivity		Chloride	Uranium	U-rat	Alkalinity	Internal/E		
Date	RTV	RTV	RTV	RTV	RTV	Lab		
(uS/cm)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)			
8/16/2010	573	33.2	4.2	3.83	3.247965	0.065	185.9	
9/15/2010	1081	573	47.2	4.45	4.699397	0.065	185.9	
10/4/2010	1117	573	54.1	4.08	4.059973	0.065	461	
12/14/2010	988	573	45	4.2	2.174491	0.065	185.9	
3/7/2011	837	573	37.7	4.2	1.950475	0.065	275	
4/15/2011	867	573	34.9	4.2	1.865672	0.065	257	
6/16/2011	919	573	34	4.2	2.11	0.065	265	
7/18/2011	916.7	573	35	4.2	2.23	0.065	273	
8/7/2011	573	573	4.2	0.065	0.065	185.9		
9/14/2011	727.4	573	25	4.2	1.49	0.065	211	
10/12/2011	754	573	24	4.2	1.46	0.065	206	
11/10/2011	894.6	573	26	4.2	1.5	0.065	201	
12/15/2011	746	573	25	4.2	1.6	0.065	200	
1/12/2012	671.6	573	22	4.2	1.72	0.065	194	
2/27/2012	580	573	23	4.2	1.526459	0.065	201	
4/11/2012	988	573	22	4.2	1.8	1.326459	0.065	204
6/5/2012	691	573	29	4.2	1.6	2.200815	0.065	236
8/14/2012	650	573	24	4.2	2.5	2.20081	0.065	230
10/8/2012	661	573	19	4.2	2.1	1.780668	0.065	222
12/18/2012	549	573	17.3	4.2	1.8247	1.547405	0.065	194
2/7/2013	559	573	20	4.2	1.5	1.272049	0.065	285
4/7/2013	622	573	25	4.2	2	1.69065	0.065	263
6/4/2013	557	573	19	4.2	1.9	1.611262	0.065	192
8/2/2013	473	573	16	4.2	1.3	1.102442	0.065	186
10/2/2013	446	573	12	4.2	1.2	1.07639	0.065	137
12/2/2013	324	573	9	4.2	0.6	0.30862	0.065	139
1/27/2014	425	573	10	4.2	0.8	0.678426	0.065	127
3/8/2014	370	573	10	4.2	1.3	1.102442	0.065	133
5/22/2014	459	573	10	4.2	1.1	0.932836	0.065	132
7/17/2014	413	573	10	4.2	0.08	0.067943	0.065	144
9/15/2014	421	573	10	4.2	0.447	0.065	137	
12/15/2014	488	573	13	4.2	1.5	0.065	166	
3/4/2015	346	573	13	4.2	1.4	0.065	183	
4/16/2015	614	573	14	4.2	1.67	0.065	224	
6/9/2015	967	573	12	4.2	1.15	0.065	182	
12/16/2015	652	573	15	4.2	1.62	0.065	222	
3/8/2016	723	573	18	4.2	1.23	0.065	244	
3/10/2017	770	573	26	4.2	2.46	0.065	273	

R-Correlation
0.852571425

Cl/UMax	U/UMax
0.613678	0.792961
0.577458	1
1	0.84472
0.613793	0.57971
0.696658	0.47619
0.645102	0.45487
0.628466	0.515137
0.64695	0.544434
0.462107	0.36377
0.443623	0.35446
0.480791	0.36611
0.462107	0.39625
0.466654	0.419622
0.425139	0.372671
0.466654	0.372671
0.366644	0.381602
0.445623	0.517598
0.531201	0.434783
0.319778	0.377785
0.309886	0.320559
0.462107	0.414079
0.351201	0.393375
0.295749	0.290551
0.221811	0.248447
0.166169	0.124224
0.184843	0.165631
0.184843	0.209151
0.184843	0.227743
0.184843	0.116163
0.184843	0.157598
0.240296	0.362311
0.240296	0.214146
0.250278	0.407715
0.221811	0.280762
0.277254	0.195108
0.332717	0.300393
0.486251	0.454434

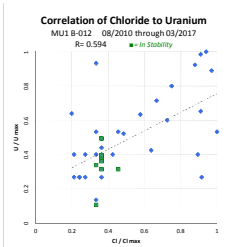


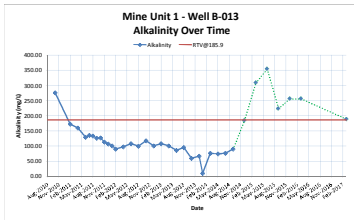
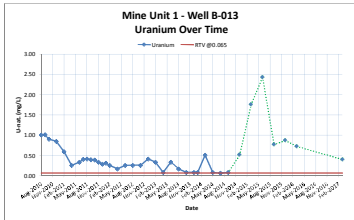
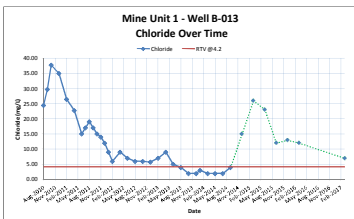
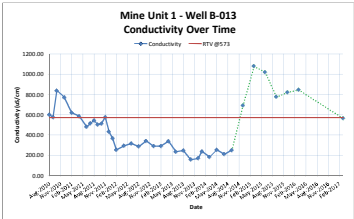


B-012

Date	Conductivity		Chloride		UO2		U-nat		Alkalinity		Internal/E		
	Ry	RTV	Ry	RTV	Ry	RTV	Ry	RTV	Ry	RTV	External	Lab	
8/16/2010	687.3	573	21.9	4.2	0.45	0.388115	0.065	185.9	0.25442	0.399881			
9/11/2010	517.9	573	24.7	4.2	0.6	0.50882	0.065	185.9	0.24885	0.398775			
10/10/2010	609	573	30	4.2	0.40	0.415356	0.065	230	0.307051	0.532517			
12/14/2010	677	573	33	4.2	0.4	0.339213	0.065	185.9	0.309319	0.399387			
2/7/2011	642	573	28.5	4.2	0.26441	0.065	178	185.9 e / uO2 from EC	0.315152	0.366158			
4/15/2011	687	573	30.2	4.2	0.169607	0.065	187	185.9 e / uO2 from EC	0.303094	1			
6/14/2011	795	573	31	4.2	0.637	0.065	204	185.9	0.307051	0.532517			
7/20/2011	786.6	573	30	4.2	0.427	0.065	212	185.9	0.307051	0.532517			
8/17/2011	813.2	573	32	4.2	0.566	0.065	199	185.9	0.307051	0.532517			
9/14/2011	752.1	573	29	4.2	0.588	0.065	188	185.9	0.307051	0.532517			
10/12/2011	677	573	22	4.2	0.454	0.065	165	185.9	0.307051	0.532517			
11/9/2011	720	573	19	4.2	0.403	0.065	146	185.9	0.307051	0.532517			
12/15/2011	528	573	16	4.2	0.332	0.065	136	185.9	0.307051	0.532517			
1/12/2012	438.4	573	12	4.2	0.279	0.065	135	185.9	0.307051	0.532517			
2/27/2012	305	573	9	4.2	0.24441	0.065	107	185.9	0.307051	0.532517			
4/11/2012	313	573	9	4.2	0.2	0.169607	0.065	108	185.9	0.307051	0.532517		
6/11/2012	380	573	8	4.2	0.2	0.169607	0.065	107	185.9	0.307051	0.532517		
8/14/2012	276	573	8	4.2	0.2	0.169607	0.065	111	185.9	0.307051	0.532517		
10/8/2012	364	573	7	4.2	0.2	0.169607	0.065	130	185.9	0.307051	0.532517		
12/10/2012	301	573	6.6	4.2	0.4794	0.402547	0.065	194	185.9	0.307051	0.532517		
2/7/2013	303	573	7	4.2	0.3	0.25441	0.065	112	185.9	0.307051	0.532517		
4/7/2013	344	573	11	4.2	0.1	0.048403	0.065	205	185.9	0.307051	0.532517		
6/4/2013	357	573	11	4.2	0.4	0.339213	0.065	113	185.9	0.307051	0.532517		
8/1/2013	386	573	12	4.2	0.3	0.25441	0.065	124	185.9	0.307051	0.532517		
10/2/2013	409	573	15	4.2	0.4	0.339213	0.065	128	185.9	0.307051	0.532517		
12/2/2013	407	573	14	4.2	0.3	0.25441	0.065	141	185.9	0.307051	0.532517		
1/27/2014	459	573	12	4.2	0.2	0.169607	0.065	124	185.9	0.307051	0.532517		
3/28/2014	402	573	11	4.2	0.7	0.59823	0.065	132	185.9	0.307051	0.532517		
5/22/2014	483	573	11	4.2	0.3	0.25441	0.065	129	185.9	0.307051	0.532517		
6/4/2014	426	573	11	4.2	0.08	0.067943	0.065	134	185.9	0.307051	0.532517		
9/15/2014	509	573	12	4.2	0.24	0.065	157	185.9 e IML	0.307051	0.532517			
12/15/2014	451	573	11	4.2	0.235	0.065	136	185.9 e IML	0.307051	0.532517			
3/16/2015	468	573	12	4.2	0.2	0.065	138	185.9 e IML	0.307051	0.532517			
6/15/2015	503	573	12	4.2	0.14	0.065	163	185.9 e IML	0.307051	0.532517			
9/9/2015	574	573	12	4.2	0.252	0.065	159	185.9 e IML	0.307051	0.532517			
12/10/2015	525	573	12	4.2	0.229	0.065	150	185.9 e IML	0.307051	0.532517			
3/6/2016	580	573	15	4.2	0.199	0.065	163	185.9 e IML	0.307051	0.532517			
3/10/2017	646	573	21	4.2	0.27	0.065	180	185.9 e IML	0.307051	0.532517			

R=Correlation
0.593598917



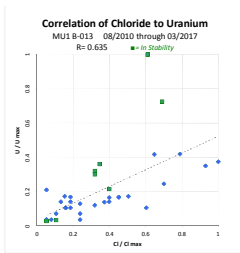


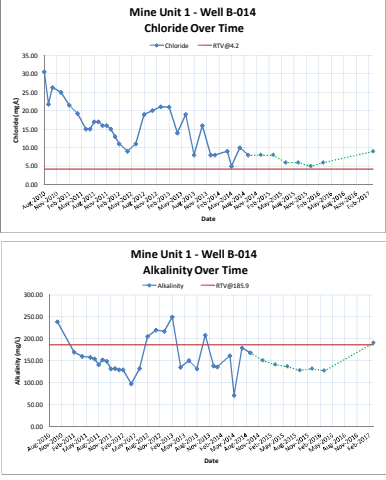
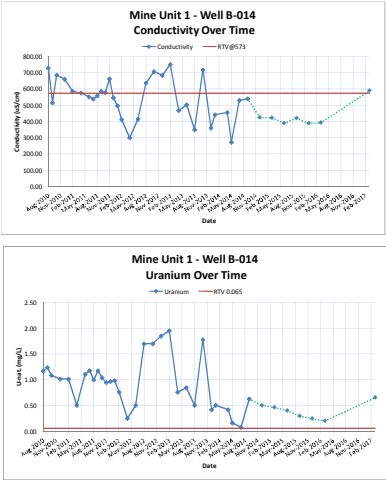
B-013

	Conductivity		Chloride		UROS	U-m/L	Alkalinity		Internal/E
By	µS/cm	RTV	(mg/L)	RTV	(mg/L)	(mg/L)	(mg/L)	RTV	Internal Lab
Date									
8/16/2003	596.1	573	24.4	4.2	1.39	0.00529	0.065	185.9	
9/11/2003	576.1	573	20.7	4.2	1.2	0.01539	0.065	185.9	
10/4/2003	837	573	37.7	4.2	1.07	0.007395	0.065	276	185.9
12/4/2003	771	573	35	4.2	1	0.04803	0.065		185.9
2/7/2011	620	573	26.4	4.2	0.59323	0.065	173	185.9	U308 from EC
4/16/2011	585	573	22.7	4.2	0.25441	0.065	160	185.9	U308 from EC
6/14/2011	480	573	15	4.2	0.137	0.065	129	185.9	
7/20/2011	534.4	573	17	4.2	0.407	0.065	136	185.9	
8/7/2011	545.3	573	19	4.2	0.417	0.065	133	185.9	
9/14/2011	502.1	573	17	4.2	0.404	0.065	126	185.9	
10/10/2011	512	573	15	4.2	0.386	0.065	127	185.9	
11/9/2011	574.8	573	14	4.2	0.134	0.065	113	185.9	
12/15/2011	431	573	12	4.2	0.281	0.065	107	185.9	
1/12/2012	367.5	573	9	4.2	0.111	0.065	101	185.9	
2/7/2012	254	573	6	4.2	0.25441	0.065	90	185.9	
4/13/2012	283	573	9	4.2	0.2	0.16907	0.065	88	185.9
6/13/2012	316	573	7	4.2	0.3	0.25441	0.065	108	185.9
8/14/2012	286	573	6	4.2	0.3	0.25441	0.065	100	185.9
10/8/2012	342	573	6	4.2	0.3	0.25441	0.065	118	185.9
12/10/2012	290	573	5.8	4.2	0.4802	0.43489	0.065	101	185.9
2/7/2013	292	573	7	4.2	0.4	0.33013	0.065	108	185.9
4/7/2013	339	573	9	4.2	0.1	0.084803	0.065	101	185.9
6/26/2013	234	573	5	4.2	0.4	0.33013	0.065	86	185.9
8/1/2013	247	573	4	4.2	0.2	0.16907	0.065	96	185.9
10/2/2013	157	573	2	4.2	0.1	0.084803	0.065	60	185.9
12/2/2013	170	573	2	4.2	0.1	0.084803	0.065	67	185.9
1/27/2014	238	573	3	4.2	0.1	0.084803	0.065	10	185.9
3/28/2014	184	573	2	4.2	0.6	0.30882	0.065	76	185.9
5/22/2014	253	573	2	4.2	0.1	0.084803	0.065	74	185.9
7/17/2014	210	573	2	4.2	0.08	0.02643	0.065	77	185.9
9/15/2014	250	573	4	4.2	0.0812	0.065	90	185.9	U308
12/15/2014	882	573	15	4.2	0.12	0.065	185	185.9	U308
3/16/2015	1080	573	26	4.2	1.76	0.065	309	185.9	U308
6/16/2015	1020	573	23	4.2	2.43	0.065	354	185.9	U308
8/9/2015	777	573	12	4.2	0.773	0.065	224	185.9	U308
12/10/2015	821	573	13	4.2	0.876	0.065	256	185.9	U308
3/6/2016	846	573	12	4.2	0.73	0.065	256	185.9	U308
3/10/2017	564	573	7	4.2	0.406	0.065	189	185.9	U308

R-Correlation
0.63359488

C/CMax	U/Umax
0.047315	0.415202
0.787786	0.481782
1	0.373414
0.928302	0.348805
0.700265	0.244289
0.602122	0.104695
0.997878	0.118683
0.450928	0.16749
0.509799	0.173405
0.450928	0.166255
0.397878	0.162663
0.371133	0.137449
0.318802	0.119753
0.38777	0.127884
0.139153	0.104695
0.238727	0.089797
0.185676	0.104695
0.159151	0.104695
0.159151	0.104695
0.153646	0.170274
0.185676	0.139584
0.238727	0.034888
0.153626	0.139584
0.106101	0.089797
0.05105	0.034888
0.05105	0.034888
0.079576	0.034888
0.05105	0.200391
0.05105	0.034888
0.05105	0.021919
0.06101	0.034888
0.13978	0.119753
0.04865	0.75438
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0.114802	0.111007
0.144828	0.160494
0.139802	0.094153
0.115629	0.161707



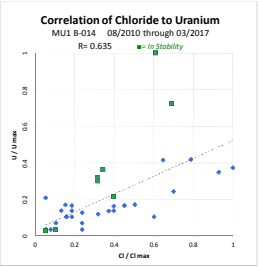


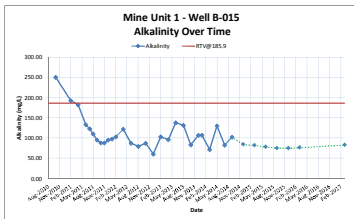
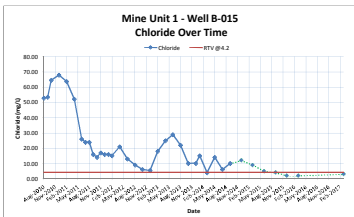
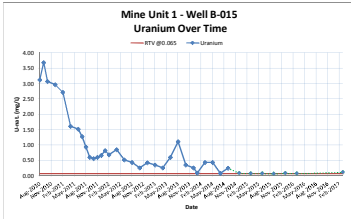
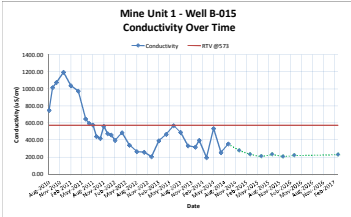
B-014

Date	Conductivity RTV	Chloride (n RTV)	U308(mg/l)-nat. (mg RTV)	Alkalinity (n RTV)	Internal/External Lab
8/6/2010	599.1	573	24.4	4.2	1.15 1.000159 0.065 185.9
9/11/2010	576.1	573	29.7	4.2	1.2 1.017639 0.065 185.9
10/4/2010	837	573	37.7	4.2	1.07 0.907395 0.065 276 185.9
12/14/2010	771	573	35	4.2	1 0.848033 0.065 185.9
2/7/2011	620	573	26.4	4.2	0.93623 0.065 173 185.9 e / u308 from EC
4/15/2011	385	573	22.7	4.2	0.25441 0.065 160 185.9 e / u308 from EC
6/14/2011	480	573	15	4.2	0.337 0.065 129 185.9
7/20/2011	544.4	573	17	4.2	0.407 0.065 136 185.9
8/17/2011	543.3	573	19	4.2	0.417 0.065 133 185.9
9/14/2011	502.1	573	17	4.2	0.404 0.065 126 185.9
10/12/2011	512	573	15	4.2	0.396 0.065 127 185.9
11/9/2011	538.8	573	14	4.2	0.334 0.065 113 185.9
12/15/2011	491	573	12	4.2	0.291 0.065 107 185.9
1/12/2012	387.5	573	9	4.2	0.311 0.065 101 185.9
2/27/2012	254	573	6	4.2	0.25441 0.065 90 185.9
4/11/2012	293	573	9	4.2	0.2 0.189607 0.065 98 185.9
6/13/2012	316	573	7	4.2	0.3 0.25441 0.065 108 185.9
8/14/2012	286	573	6	4.2	0.3 0.25441 0.065 100 185.9
10/8/2012	342	573	6	4.2	0.3 0.25441 0.065 118 185.9
12/10/2012	290	573	5.8	4.2	0.4882 0.444009 0.065 101 185.9
2/7/2013	292	573	7	4.2	0.4 0.339213 0.065 108 185.9
4/7/2013	309	573	9	4.2	0.1 0.084803 0.065 101 185.9
6/4/2013	234	573	5	4.2	0.4 0.339213 0.065 86 185.9
8/1/2013	247	573	4	4.2	0.2 0.189607 0.065 96 185.9
10/2/2013	157	573	2	4.2	0.1 0.084803 0.065 60 185.9
12/2/2013	170	573	2	4.2	0.1 0.084803 0.065 67 185.9
1/27/2014	238	573	1	4.2	0.1 0.084803 0.065 30 185.9
3/28/2014	184	573	2	4.2	0.6 0.50882 0.065 76 185.9
5/22/2014	253	573	2	4.2	0.1 0.084803 0.065 74 185.9
7/17/2014	210	573	2	4.2	0.08 0.207843 0.065 77 185.9
9/15/2014	250	573	4	4.2	0.082 0.065 90 185.9 e IML
12/15/2014	692	573	15	4.2	0.52 0.065 185 185.9 e IML
3/10/2015	1080	573	26	4.2	1.76 0.065 309 185.9 e IML
6/15/2015	1020	573	23	4.2	2.43 0.065 354 185.9 e IML
9/9/2015	777	573	12	4.2	0.773 0.065 214 185.9 e IML
12/10/2015	821	573	13	4.2	0.876 0.065 216 185.9 e IML
3/8/2016	846	573	12	4.2	0.73 0.065 256 185.9 e IML
3/10/2017	564	573	7	4.2	0.406 0.065 189 185.9 e IML

R-Correlation
0.635353408

C/CMax	U/UMax
0.647215	0.412392
0.787738	0.418782
1	0.373414
0.628182	0.146885
0.700255	0.244289
0.602122	0.104695
0.397878	0.138883
0.450938	0.14749
0.503979	0.173505
0.450938	0.166255
0.397878	0.162963
0.371313	0.137449
0.318302	0.119753
0.238727	0.127884
0.159151	0.104695
0.238727	0.069797
0.185576	0.104695
0.159151	0.104695
0.159151	0.104695
0.153846	0.170174
0.185676	0.139594
0.238727	0.034898
0.132626	0.139594
0.106101	0.069797
0.05335	0.034898
0.05335	0.034898
0.079576	0.034898
0.05335	0.200391
0.05335	0.034898
0.05335	0.037319
0.130615	0.251919
0.397878	0.171992
0.309615	0.174102
0.430098	1
0.318302	0.118307
0.146828	0.160496
0.318302	0.103412
0.185676	0.163761



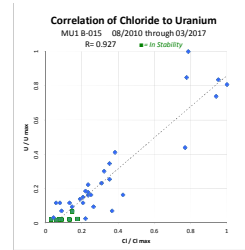


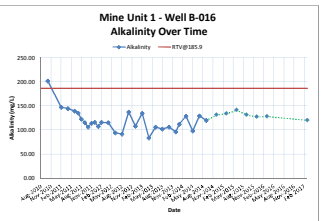
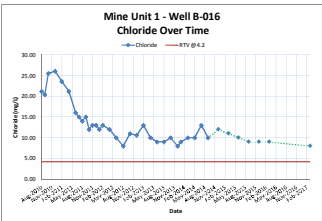
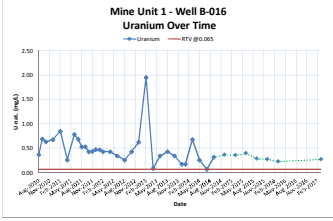
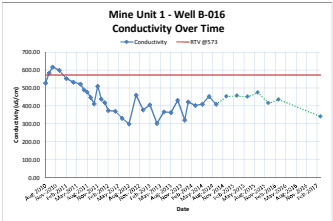
B-015

Date	Conducti		RTV		Chloride		RTV		USGB		U-act.		RTV		Alkalinity		RTV		Internal/E	
	uS/cm	RTV	mg/L	RTV	mg/L	RTV	mg/L	RTV	mg/L	RTV	mg/L	RTV	mg/L	RTV	mg/L	RTV	mg/L	RTV	mg/L	
8/16/2010	749.5	575	52.9	4.2					3.68	3.21076	0.065							185.9		
9/11/2010	1017	575	51.5	4.2					4.34	3.60861	0.065							185.9		
10/4/2010	1076	575	64.7	4.2					3.62	3.60878	0.065							250	185.9	
12/14/2010	1187	575	68	4.2					3.5	2.96814	0.065							185.9		
2/7/2011	1037	575	63.9	4.2						3.71304	0.065							192	185.9	
4/15/2011	974	575	52.3	4.2						1.61262	0.065							182	185.9 w USGB from EC	
6/14/2011	649	575	26	4.2						1.51	0.065							133	185.9	
7/20/2011	583.5	575	24	4.2						1.27	0.065							123	185.9	
8/17/2011	577.2	575	24	4.2						0.931	0.065							110	185.9	
9/14/2011	439.7	575	16	4.2						0.102	0.065							95	185.9	
10/12/2011	418	575	14	4.2						0.55	0.065							88	185.9	
11/9/2011	562.5	575	17	4.2						0.198	0.065							88	185.9	
12/15/2011	474	575	16	4.2						0.633	0.065							95	185.9	
1/12/2012	461.5	575	16	4.2						0.818	0.065							97	185.9	
2/7/2012	395	575	15	4.2						0.679426	0.065							101	185.9	
4/11/2012	485	575	21	4.2						1	0.848033	0.065						122	185.9	
6/13/2012	341	575	13	4.2						0.6	0.50882	0.065						87	185.9	
8/14/2012	264	575	9	4.2						0.5	0.424036	0.065						79	185.9	
10/8/2012	259	575	6	4.2						0.9	0.25441	0.065						87	185.9	
12/10/2012	206	575	5.4	4.2						0.4971	0.422537	0.065						60	185.9	
2/7/2013	394	575	18	4.2						0.4	0.109213	0.065						101	185.9	
4/7/2013	469	575	25	4.2						0.3	0.25441	0.065						96	185.9	
6/4/2013	567	575	29	4.2						0.7	0.593822	0.065						138	185.9	
8/1/2013	490	575	22	4.2						1.3	0.103443	0.065						111	185.9	
10/2/2013	334	575	10	4.2						0.4	0.339213	0.065						83	185.9	
12/2/2013	319	575	10	4.2						0.3	0.25441	0.065						107	185.9	
1/27/2014	396	575	15	4.2						0.1	0.048093	0.065						107	185.9	
3/28/2014	195	575	4	4.2						0.5	0.424036	0.065						71	185.9	
5/22/2014	136	575	14	4.2						0.5	0.424036	0.065						130	185.9	
7/17/2014	254	575	6	4.2						0.08	0.067849	0.065						82	185.9	
9/15/2014	353	575	10	4.2						0.39	0.065							102	185.9 w HML	
12/15/2014	279	575	12	4.2						0.0783	0.065							84	185.9 w HML	
3/6/2015	232	575	9	4.2						0.04	0.065							82	185.9 w HML	
6/15/2015	289	575	5	4.2						0.0661	0.065							78	185.9 w HML	
9/9/2015	233	575	4	4.2						0.0578	0.065							75	185.9 w HML	
12/10/2015	286	575	2	4.2						0.0757	0.065							75	185.9 w HML	
1/8/2016	220	575	2	4.2						0.0635	0.065							76	185.9 w HML	
3/10/2017	230	575	3	4.2						0.108	0.065							83	185.9 w HML	

B-Correlation

0.92712254
C/Maxx U/Minx
0.777941 0.847105
0.786765 1
0.951471 0.834101
1 0.806452
0.939706 0.737327
0.769118 0.437788
0.382353 0.410275
0.152941 0.145065
0.152941 0.732097
0.235294 0.160849
0.201882 0.149438
0.25
0.36248
0.235294 0.177453
0.235294 0.222751
0.220588 0.184312
0.308824 0.230415
0.191176 0.138249
0.122359 0.115207
0.088235 0.069124
0.079412 0.114539
0.364706 0.002566
0.367647 0.069124
0.450471 0.36239
0.323529 0.299539
0.147059 0.002566
0.147059 0.069124
0.220588 0.023041
0.068824 0.115207
0.201882 0.115207
0.088235 0.034433
0.143539 0.066439
0.179471 0.021275
0.132131 0.017780
0.073529 0.017780
0.068824 0.015170
0.029412 0.033936
0.029412 0.033936
0.044118 0.033936



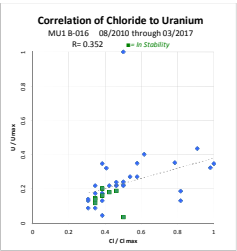


B-016

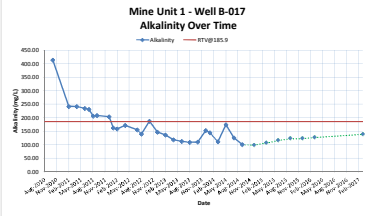
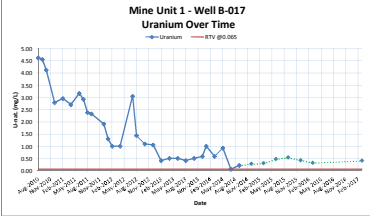
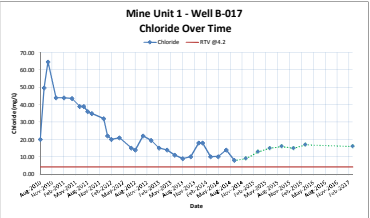
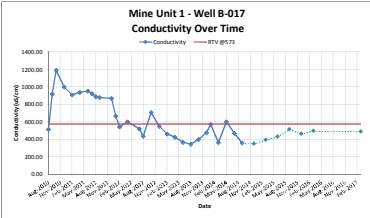
Date	Conductivity [uS/cm]	RTV	Chloride [mg/L]	RTV	U-act. [mg/L]	U-act. [mg/L]	RTV	Alkalinity [mg/L]	RTV	Internal/External Lab
8/16/2010	528.7	573	21.2	4.2	0.43	0.384654	0.065		185.9	
9/11/2010	583.1	573	20.4	4.2	0.81	0.688060	0.065		185.9	
10/9/2010	618	573	25.5	4.2	0.74	0.627544	0.065	201	185.9	
12/14/2010	599	573	26	4.2	0.8	0.678426	0.065		185.9	
2/7/2011	552	573	23.6	4.2	0.448833	0.065		147	185.9	
4/15/2011	534	573	21.2	4.2	0.25441	0.065		144	185.9	U-308 from EC
6/14/2011	522	573	16	4.2	0.780	0.065		139	185.9	
7/20/2011	490.7	573	15	4.2	0.681	0.065		135	185.9	
8/17/2011	476.9	573	14	4.2	0.526	0.065		122	185.9	
9/14/2011	468.1	573	15	4.2	0.528	0.065		115	185.9	
10/12/2011	411	573	12	4.2	0.429	0.065		106	185.9	
11/9/2011	505.4	573	13	4.2	0.433	0.065		114	185.9	
12/15/2011	439	573	13	4.2	0.469	0.065		116	185.9	
1/12/2012	418.9	573	12	4.2	0.466	0.065		107	185.9	
2/7/2012	374	573	13	4.2	0.424016	0.065		116	185.9	
4/11/2012	371	573	12	4.2	0.5	0.424016	0.065	115	185.9	
6/13/2012	331	573	10	4.2	0.4	0.339213	0.065	94	185.9	
8/14/2012	299	573	8	4.2	0.3	0.25441	0.065	91	185.9	
10/9/2012	460	573	11	4.2	0.5	0.424016	0.065	137	185.9	
12/10/2012	378	573	10.6	4.2	0.736	0.624132	0.065	108	185.9	
2/7/2013	407	573	13	4.2	2.3	1.950475	0.065	134	185.9	
4/7/2013	302	573	10	4.2	0.1	0.084803	0.065	83	185.9	
6/4/2013	367	573	9	4.2	0.4	0.339213	0.065	106	185.9	
8/1/2013	363	573	9	4.2	0.5	0.424016	0.065	102	185.9	
10/2/2013	431	573	10	4.2	0.4	0.339213	0.065	106	185.9	
12/2/2013	320	573	8	4.2	0.2	0.169607	0.065	96	185.9	
1/27/2014	423	573	9	4.2	0.2	0.169607	0.065	112	185.9	
3/28/2014	403	573	10	4.2	0.8	0.678426	0.065	128	185.9	
5/22/2014	409	573	10	4.2	0.3	0.25441	0.065	98	185.9	
7/17/2014	453	573	13	4.2	0.08	0.067843	0.065	129	185.9	
9/5/2014	440	573	10	4.2	0.312	0.065		120	185.9	u ML
12/15/2014	453	573	12	4.2	0.366	0.065		131	185.9	u ML
3/16/2015	457	573	11	4.2	0.354	0.065		134	185.9	u ML
5/9/2015	475	573	9	4.2	0.284	0.065		131	185.9	u ML
12/10/2015	416	573	9	4.2	0.273	0.065		127	185.9	u ML
3/6/2016	436	573	9	4.2	0.228	0.065		128	185.9	u ML
3/10/2017	341	573	8	4.2	0.272	0.065		120	185.9	u ML

B-Correlation

0.35153584	
C/C _{Max}	U/U _{max}
0.815385	0.180257
0.784615	0.321274
0.980769	0.321279
1	0.349782
0.907692	0.434783
0.815385	0.238435
0.615385	0.401441
0.578023	0.340146
0.538462	0.360778
0.578023	0.270703
0.461538	0.210446
0.5	0.221997
0.5	0.248454
0.461538	0.238916
0.5	0.217391
0.461538	0.217391
0.384615	0.173913
0.307692	0.130455
0.423077	0.217391
0.407692	0.12
0.5	1
0.384615	0.043478
0.346154	0.173913
0.346154	0.217391
0.384615	0.273913
0.307692	0.086697
0.346154	0.086697
0.384615	0.347826
0.384615	0.130455
0.5	0.043478
0.384615	0.130455
0.461538	0.238435
0.423077	0.101494
0.184615	0.202027
0.346154	0.140406
0.346154	0.130455
0.346154	0.130455
0.307692	0.130455



5/9/2015	475	573	9	4.2	0.284	0.065	131	185.9	u ML
8/16/2015	436	573	9	4.2	0.273	0.065	127	185.9	u ML
3/10/2016	436	573	9	4.2	0.228	0.065	128	185.9	u ML
3/10/2017	341	573	8	4.2	0.272	0.065	120	185.9	u ML



B-017

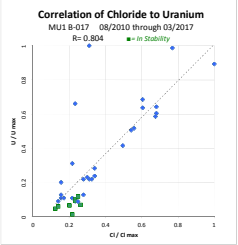
Date	Conductivity [uS/cm]	RTV	Chloride [mg/L]	RTV	UOR [mg/L]	U-rat [mg/L]	RTV	Alkalinity [mg/L]	RTV	Internal/E external Lab
8/26/2010	522	573	20	4.2	5.45	4.432777	0.065		185.9	
9/12/2010	958.3	573	49.6	4.2	5.38	4.562405	0.065		185.9	
10/4/2010	1187	573	64.6	4.2	4.87	4.129919	0.065	414	185.9	
12/14/2010	909	573	44	4.2	1.3	2.788027	0.065		185.9	
2/7/2011	907	573	44	4.2		2.968114	0.065	241	185.9	
4/15/2011	936	573	45.6	4.2		2.713104	0.065	241	185.9	uOR from EC
6/24/2011	950	573	39	4.2		3.17	0.065	214	185.9	
7/20/2011	930.2	573	39	4.2		2.34	0.065	231	185.9	
8/17/2011	896.1	573	36	4.2		2.39	0.065	206	185.9	
9/14/2011	877.7	573	35	4.2		2.34	0.065	208	185.9	
10/12/2011		573		4.2			0.065		185.9	
11/9/2011		573		4.2			0.065		185.9	
12/15/2011	885	573	32	4.2	1.32	0.065	201	185.9		
1/10/2012	666.6	573	22	4.2		1.31	0.065	162	185.9	
2/7/2012	540	573	20	4.2		1.017639	0.065	158	185.9	
4/12/2012	509	573	21	4.2	1.2	1.017639	0.065	172	185.9	
7/12/2012	519	573	15	4.2	1.6	1.052917	0.065	155	185.9	
8/14/2012	436	573	14	4.2	1.7	1.444255	0.065	140	185.9	
10/6/2012	704	573	22	4.2	1.3	1.102442	0.065	187	185.9	
12/10/2012	548	573	15.4	4.2	1.2562	1.062399	0.065	147	185.9	
2/7/2013	460	573	15	4.2	0.5	0.424016	0.065	136	185.9	
4/7/2013	422	573	14	4.2	0.6	0.50882	0.065	118	185.9	
6/4/2013	366	573	11	4.2	0.6	0.50882	0.065	112	185.9	
8/1/2013	342	573	9	4.2	0.5	0.424016	0.065	109	185.9	
10/2/2013	397	573	10	4.2	0.6	0.50882	0.065	110	185.9	
12/16/2013	476	573	18	4.2	0.7	0.599823	0.065	151	185.9	
1/27/2014	570	573	18	4.2	1.2	1.017639	0.065	144	185.9	
3/18/2014	362	573	10	4.2	0.7	0.599823	0.065	111	185.9	
5/23/2014	598	573	10	4.2	1.1	0.932836	0.065	174	185.9	
7/17/2014	467	573	14	4.2	0.8	0.676743	0.065	125	185.9	
9/15/2014	356	573	8	4.2	0.224	0.065	100	185.9	IML	
12/15/2014	347	573	9	4.2	0.282	0.065	99	185.9	IML	
3/10/2015	382	573	13	4.2	0.308	0.065	107	185.9	IML	
6/15/2015	431	573	15	4.2	0.479	0.065	116	185.9	IML	
9/9/2015	514	573	16	4.2	0.546	0.065	123	185.9	IML	
12/10/2015	481	573	15	4.2	0.432	0.065	123	185.9	IML	
3/10/2016	495	573	17	4.2	0.325	0.065	127	185.9	IML	
3/10/2017	487	573	16	4.2	0.413	0.065	139	185.9	IML	

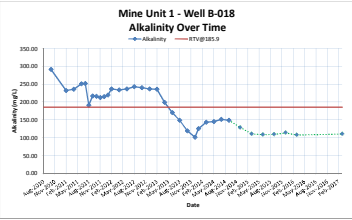
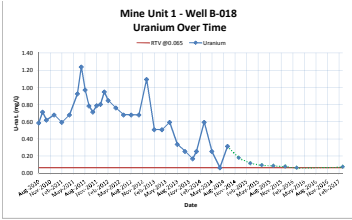
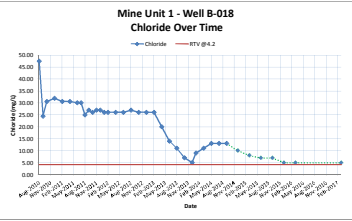
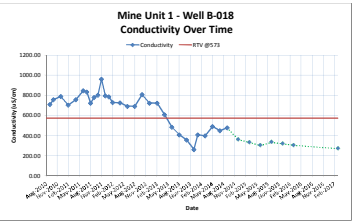
R-Correlation
0.804131722

C/CMMax U/Umax
0.309598 1
0.767902 0.987156
1 0.893578
0.801115 0.685030
0.681115 0.645202
0.674923 0.587156
0.603715 0.685883
0.603715 0.638119
0.557796 0.517117
0.541796 0.506299

0.495356 0.415425
0.340557 0.303441
0.309598 0.220183
0.320577 0.220183
0.321098 0.460505
0.216718 0.311927
0.340557 0.338132
0.33031 0.230495
0.322198 0.0191543
0.216718 0.110092
0.170279 0.110092
0.130119 0.001743
0.154799 0.110092
0.278638 0.128444
0.278638 0.220183
0.154799 0.128444
0.154799 0.201835
0.216718 0.014679

0.130119 0.001743
0.130119 0.001743
0.201835 0.064645
0.216718 0.110092
0.216718 0.110092
0.216718 0.110092
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0.216718 0.110092



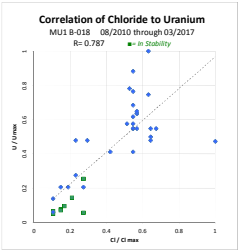


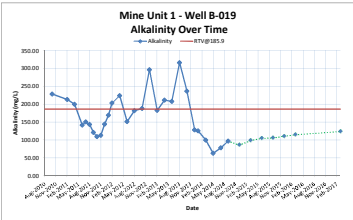
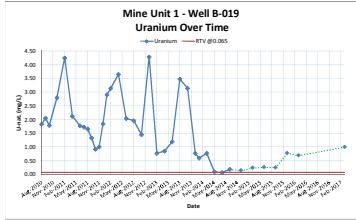
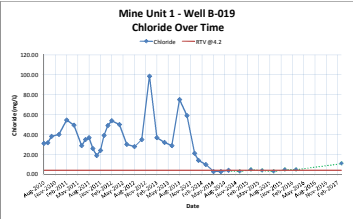
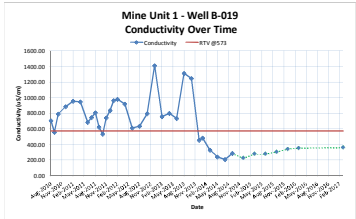
B-018

Date	Conductivity		Chloride (mg/L)	U-nat. (mg/L)	Alkalinity (mg/L)	Internal/external	
	RTV	µS/cm				RTV	external
8/16/2010	573	47.5	4.2	0.69	0.585142	0.005	185.9 u / u308 from EC
9/13/2010	708.4	573	34.4	4.2	0.84	0.712347	0.005 201 185.9
10/4/2010	758	573	30.6	4.2	0.73	0.619004	0.005 201 185.9
12/24/2010	789	573	32	4.2	0.8	0.678426	0.005 217 185.9
2/7/2011	704	573	30.6	4.2	0.593623	0.005	232 185.9
4/15/2011	758	573	30.6	4.2	0.678426	0.005	236 185.9 u / u308 from EC
6/14/2011	848	573	30	4.2	0.925	0.005	251 185.9
7/20/2011	833.5	573	30	4.2	1.24	0.005	252 185.9
8/17/2011	724.5	573	25	4.2	0.940	0.005	191 185.9
9/14/2011	778.5	573	27	4.2	0.784	0.005	217 185.9
10/12/2011	801	573	26	4.2	0.714	0.005	216 185.9
11/9/2011	962.8	573	27	4.2	0.780	0.005	212 185.9
12/15/2011	796	573	27	4.2	0.804	0.005	215 185.9
1/12/2012	785.5	573	26	4.2	0.948	0.005	220 185.9
2/7/2012	730	573	26	4.2	0.848033	0.005	237 185.9
4/12/2012	725	573	26	4.2	0.9	0.762339	0.005 234 185.9
6/13/2012	691	573	26	4.2	0.8	0.678426	0.005 237 185.9
9/14/2012	691	573	27	4.2	0.8	0.678426	0.005 243 185.9
10/9/2012	807	573	26	4.2	0.8	0.678426	0.005 240 185.9
12/10/2012	724	573	26	4.2	1.2892	1.093284	0.005 237 185.9
1/7/2013	723	573	26	4.2	0.6	0.55882	0.005 236 185.9
4/7/2013	607	573	20	4.2	0.6	0.50882	0.005 199 185.9
6/4/2013	403	573	14	4.2	0.7	0.593623	0.005 170 185.9
8/1/2013	406	573	11	4.2	0.4	0.399213	0.005 149 185.9
10/2/2013	356	573	7	4.2	0.3	0.25441	0.005 119 185.9
12/2/2013	259	573	5	4.2	0.2	0.168607	0.005 101 185.9
1/27/2014	407	573	9	4.2	0.3	0.25441	0.005 125 185.9
3/26/2014	396	573	11	4.2	0.7	0.593623	0.005 149 185.9
5/22/2014	491	573	13	4.2	0.3	0.25441	0.005 145 185.9
7/17/2014	449	573	13	4.2	0.08	0.067843	0.005 151 185.9
9/15/2014	477	573	13	4.2	0.134	0.005	149 185.9
12/15/2014	362	573	10	4.2	0.178	0.005	129 185.9
3/16/2015	332	573	8	4.2	0.138	0.005	111 185.9
6/15/2015	302	573	7	4.2	0.0917	0.005	109 185.9
9/6/2015	334	573	7	4.2	0.0678	0.005	110 185.9
12/10/2015	319	573	5	4.2	0.0802	0.005	114 185.9
3/8/2016	304	573	5	4.2	0.0623	0.005	108 185.9
8/20/2017	271	573	5	4.2	0.0742	0.005	111 185.9

R-Correlation
0.707451548

C/CMax	U/Umax
1	0.474889
0.153684	0.374474
0.644211	0.499245
0.673684	0.547118
0.644211	0.476728
0.644211	0.547118
0.631579	0.765068
0.631579	1
0.520116	0.781453
0.568421	0.632258
0.547368	0.573686
0.568421	0.6329
0.568421	0.648387
0.547368	0.746156
0.547368	0.683897
0.547368	0.615508
0.547368	0.547118
0.568421	0.547118
0.547368	0.547118
0.547368	0.88548
0.547368	0.410338
0.421053	0.410338
0.264737	0.470728
0.231579	0.275559
0.147368	0.205169
0.105263	0.136779
0.189474	0.205169
0.231579	0.470728
0.273684	0.205169
0.273684	0.064712
0.25441	0.25441
0.210526	0.147368
0.168421	0.095451
0.147368	0.079366
0.147368	0.079366
0.105263	0.064677
0.105263	0.059442
0.105263	0.059442



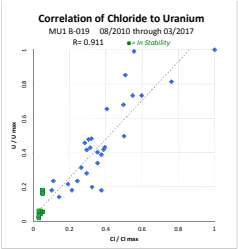


B-019

Conductivity		Chloride		U2O5		U-eat.		Alkalinity		Internal/E	
Date	RTV	RTV	RTV	RTV	RTV	RTV	RTV	RTV	RTV	Internal/E	Internal/E
8/16/2010	7025.6	573	31	4.2	2.15	1.81375	0.005	185.9	185.9	U2O5	U-eat.
9/11/2010	555.2	573	31.7	4.2	2.42	2.052239	0.005	185.9	185.9	U2O5	U-eat.
10/4/2010	789	573	36.3	4.2	2.1	1.798068	0.005	228	185.9	U2O5	U-eat.
12/14/2010	885	573	40	4.2	3.3	2.798507	0.005	185.9	185.9	U2O5	U-eat.
2/7/2011	954	573	54.7	4.2	4.240261	0.005	211	185.9	185.9	U2O5	U-eat.
4/15/2011	947	573	49.4	4.2	2.120881	0.005	200	185.9	185.9	U2O5	U-eat.
6/14/2011	682	573	29	4.2	1.77	0.005	141	185.9	185.9	U2O5	U-eat.
7/30/2011	744.6	573	35	4.2	1.72	0.005	150	185.9	185.9	U2O5	U-eat.
8/17/2011	808.9	573	37	4.2	1.65	0.005	143	185.9	185.9	U2O5	U-eat.
9/14/2011	621.4	573	26	4.2	1.33	0.005	121	185.9	185.9	U2O5	U-eat.
10/12/2011	534	573	19	4.2	0.918	0.005	109	185.9	185.9	U2O5	U-eat.
11/9/2011	745.7	573	24	4.2	0.997	0.005	113	185.9	185.9	U2O5	U-eat.
12/15/2011	837	573	39	4.2	1.84	0.005	144	185.9	185.9	U2O5	U-eat.
1/12/2012	964	573	49	4.2	2.9	0.005	169	185.9	185.9	U2O5	U-eat.
2/7/2012	981	573	14	4.2	1.13772	0.005	203	185.9	185.9	U2O5	U-eat.
4/11/2012	938	573	50	4.2	4.3	3.64854	0.005	224	185.9	U2O5	U-eat.
6/12/2012	630	573	30	4.2	2.4	2.052278	0.005	151	185.9	U2O5	U-eat.
8/14/2012	634	573	28	4.2	2.3	1.950475	0.005	182	185.9	U2O5	U-eat.
10/6/2012	795	573	35	4.2	1.7	1.442855	0.005	188	185.9	U2O5	U-eat.
12/10/2012	1409	573	94.6	4.2	5.0489	4.26132	0.005	296	185.9	U2O5	U-eat.
2/7/2013	760	573	37	4.2	0.9	0.763229	0.005	183	185.9	U2O5	U-eat.
4/7/2013	800	573	32	4.2	1	0.948053	0.005	211	185.9	U2O5	U-eat.
6/4/2013	733	573	29	4.2	1.4	1.187346	0.005	208	185.9	U2O5	U-eat.
8/1/2013	1354	573	75	4.2	4.1	3.476934	0.005	316	185.9	U2O5	U-eat.
10/2/2013	1245	573	59	4.2	3.7	3.13772	0.005	256	185.9	U2O5	U-eat.
12/2/2013	454	573	21	4.2	0.9	0.763229	0.005	128	185.9	U2O5	U-eat.
1/7/2014	482	573	14	4.2	0.7	0.103023	0.005	125	185.9	U2O5	U-eat.
3/26/2014	328	573	10	4.2	0.9	0.763229	0.005	99	185.9	U2O5	U-eat.
5/22/2014	240	573	3	4.2	0.1	0.284803	0.005	63	185.9	U2O5	U-eat.
7/17/2014	208	573	3	4.2	0.08	0.067843	0.005	78	185.9	U2O5	U-eat.
9/15/2014	285	573	4	4.2	0.179	0.005	97	185.9	185.9	U2O5	U-eat.
12/15/2014	225	573	3	4.2	0.144	0.005	86	185.9	185.9	U2O5	U-eat.
3/16/2015	280	573	5	4.2	0.229	0.005	99	185.9	185.9	U2O5	U-eat.
6/15/2015	278	573	4	4.2	0.157	0.005	105	185.9	185.9	U2O5	U-eat.
9/9/2015	306	573	3	4.2	0.25	0.005	106	185.9	185.9	U2O5	U-eat.
12/10/2015	343	573	5	4.2	0.772	0.005	111	185.9	185.9	U2O5	U-eat.
3/9/2016	355	573	5	4.2	0.688	0.005	115	185.9	185.9	U2O5	U-eat.
3/10/2017	361	573	11	4.2	0.997	0.005	124	185.9	185.9	U2O5	U-eat.

R-Correlation
0.910926808

C/Cmax	U/Umax
0.314402	0.427816
0.321501	0.479312
0.388459	0.419332
0.40568	0.63608
0.504767	0.990315
0.501014	0.495137
0.294118	0.413394
0.354997	0.401716
0.375254	0.385367
0.263692	0.318679
0.192698	0.214404
0.243408	0.232895
0.395138	0.429743
0.496957	0.677312
0.145462	0.732833
0.507099	0.851671
0.30426	0.475351
0.28376	0.455545
0.35497	0.395707
1	1
0.375254	0.278257
0.324544	0.198653
0.294118	0.277288
0.760649	0.812038
0.198977	0.720183
0.212382	0.178257
0.141388	0.138644
0.101442	0.178257
0.030436	0.019865
0.030426	0.015845
0.030458	0.031846
0.030426	0.031846
0.030371	0.030444
0.030458	0.030444
0.030458	0.030444
0.030426	0.030444
0.030371	0.030444
0.030371	0.030444
0.111547	0.273805



MU-1 HH PV Treatment.xlsx

Mine Unit 1									
Avg. (ft)									
HH	area ft2	Thickness	vol ft3	porosity	PV ft3	PV gal	FF	Adj PV gal	
1-1	161201	18	2901618	0.27	783437	5860515	1.56	9142404	
1-2	178516	18	3213288	0.27	867588	6490008	1.56	10124412	
1-3	181585	18	3268530	0.27	882503	6601582	1.56	10298468	
1-4	231229	18	4162122	0.27	1123773	8406406	1.56	13113993	
1-5	137441	18	2473938	0.27	667963	4996713	1.56	7794872	
1-6	218071	18	3925278	0.27	1059825	7928043	1.56	12367746	
Total	1108043		19944774		5385088.98	40283265.82		62841895	
				Appx		Dec-09	Mar-17	Pattern PV Treated Since	Million Gals Pumped Since
HH	Well	Alt. Well	"B Well"	Pattern Gals		U Nat mg/L	U Nat mg/L	4/1/2010	4/1/2010
1-1	1P013		B-01	643229		2.71	0.0829	20.27	13.04
1-1	1P007		B-02	548888		8.65	0.852	33.41	18.34
1-1	1P003		B-03	625645		2.29	0.901	13.85	8.67
1-2	1P034		B-04	211767		4.94	4.65	57.93	12.27
1-2	1P025		B-05	526691		9.84	0.399	35.15	18.52
1-2	1P031		B-06	562704		3.64	0.361	19.12	10.76
1-3	1P053		B-07	657447		0.81	0.418	10.08	6.63
1-4	1P064		B-08	597150		1.20	0.829	22.38	13.36
1-4	1P078		B-09	652420		2.04	0.902	20.86	13.61
1-4	1I145	1P082	B-10	737266		8.82	2.24	19.89	14.66
1-5	1P090		B-11	710559		2.20	2.66	17.70	12.58
1-5	1P101		B-12	695463		0.68	0.27	9.59	6.67
1-6	1P109		B-13	577818		0.76	0.406	16.46	9.51
1-6	1P118		B-14	706772		1.70	0.663	15.37	10.86
1-1	1P017		B-15	590274		9.24	0.00	23.56	13.91
1-3	1P054		B-16	457686		0.68	0.272	12.87	5.89
1-4	1P069		B-17	565249		4.72	0.413	14.67	8.29
1-5	1P097		B-18	270638		0.68	0.0742	52.18	14.12
1-1	1P020	1P020A	B-19	589005		9.16	0.997	23.75	13.99
					MEDIAN	2.29	0.42		
May vary from reported trunkline PV total as trunkline (CPP) measured by MagMeter vs turbine meters at Header House.									

Mine Unit 1 Field pH Measurements.xlsx

[illegible]