2010 Groundwater Investigations Update - July Monthly Report
Well Completion Log

Location	Ground Surface	Screen Interval				Date Completed
	ft amsl	Top (ft bgs)	Bottom (ft bgs)	Top (ft amsl)	Bottom (ft amsl)	
B/W-1B	4354.6	655	665	3699.6	3689.6	5/19/2010
B/W-6B	4436	260	280	4176	4156	4/26/2010
B/W-22B	4478	224	244	4254	4234	5/8/2010
B/W-33B	4432	267	277	4165	4155	7/26/2010
B/W-33D	4432	195	205	4237	4227	7/29/2010
B/W-36B	4427	155	165	4272	4262	6/17/2010
B/W-37S	4415	82	102	4333	4313	6/6/2010
B/W-37D	4415	195	215	4220	4200	6/5/2010
B/W-37B	4415	247	267	4168	4148	5/27/2010
B/W-51B	4377	185	195	4192	4182	6/25/2010
B/W-54B	4350	89	99	4261	4251	7/10/2010
B/W-61B	4355	673	693	3682	3662	7/9/2010
W4CB-2B	4354	511	531	3843	3823	7/9/2010

2010 Groundwater Investigations Update - July Monthly Report
Borehole and Zonal Sampling Data

Location	GS	Interval		Distance Between Zonal Sampling Intervals	Interval		Interval Midpoint	SC	DO	pH	ORP	Turbidity (Unfiltered)	SO4	Alk (t)	Fe (total)	Ferrous Iron	TOC	Total Aresnic	Total Uranium	Dissolved Arsenic	Dissolved Uranium	U-234	U-235	U-238
	ft amsl	Top (ft bgs)	Bottom (ft bgs)	Feet	Top (ft amsl)	Bottom (ft amsl)	(ft amsl)	uS/cm	mg/L	su	mV	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	pCi/L	pCi/L	pCi/L
B/W-1B : Completed	**Total Borehole Depth: 705 ft below ground surface**																							
	4354.6	295	300	-	4059.6	4054.6	4057	337	0.98	8.27	52	1.1	51	102.8	1	0	<1.0	4.2	6.1	3.9	5.7	3.3	0.061	1.73
	4354.6	325	330	30	4029.6	4024.6	4027	1,458	0.80	7.46	-92.3	213.8	522	249	6	0.9	<1.0	9.8	160	<1.0	160.0	90.2	2.2	52.3
	4354.6	342	347	17	4012.6	4007.6	4010	274	1.44	8.15	-2.4	3.8	31	85	0.1	0	-	8.5	4.6	5.5	2.9	2.33	0.0542	1.49
	4354.6	365	370	23	3989.6	3984.6	3987	988	2.18	7.79	44.9	0.2	346	178	1	0.8	<1.0	4.7	83	3.1	67.0	45	1.05	25.3
	4354.6	415	420	50	3939.6	3934.6	3937	1,171	2.66	6.97	14.1	7.1	341	249	1	1	1.5	3.1	80	4.6	72	47.8	0.913	24
	4354.6	445	450	30	3909.6	3904.6	3907	1,528	1.73	6.93	-280	10.8	440	402	6	6	<1.0	1.6	140	<1.0	130	85.5	1.72	42.2
	4354.6	480	485	35	3874.6	3869.6	3872	2,186	0.81	6.87	-65.1	89.5	625	650	6	3	1.6	2.4	380	1.3	360	258	4.82	126
	4354.6	519	524	39	3835.6	3830.6	3833	455	0.78	7.87	54.6	42.0	84	123	6	0.2	<1.0	16	8.7	11.0	8.6	5.51	0.133	3.04
B/W-22 : Completed	**Total Borehole Depth: 244 ft below ground surface**																							
	4478	170	175	NS	4308	4303	4306	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B/W-36 : Completed	**Total Borehole Depth: 167 ft below ground surface**																							
	4427	102	107	NS	4325	4320	4323	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4427	132	137	30	4295	4290	4293	-	-	-	-	-	1900	267	-	-	-	-	-	<1.0	3.8	-	-	-
	4427	159.5	164.5	27.5	4267.5	4262.5	4265	3,760	0.21	6.97	-415.7	377.4	1933	275	10	5	<1.0	1.4	16	<1.0	16			
B/W-37 : Completed	**Total Borehole Depth: 292 ft below ground surface**																							
	4415	97	102	-	4318	4313	4315.5	5,140	0.30	7.19	-52.4	3.3	2433	169	0.4	0.1	3.5	2.9	240	<1.0	230	103	3.2	72.2
	4415	127	132	30	4288	4283	4285.5	3,604	0.07	7.59	-206.4	25.6	2000	129	0.6	0.3	<1.0	3.4	98	1.9	100	49.7	1.45	31.8
	4415	167	172	40	4248	4243	4245.5	1,340	0.62	7.81	-84.3	9.6	550	54	0.1	0	<1.0	2.2	5.8	1.2	4.8	2.51	0.0711	1.76
	4415	192	197	25	4223	4218	4220.5	1,824	0.07	7.65	-182.2	4.3	870	61	0.3	0.1	<1.0	1.9	2.8	<1.0	1.9	1.21	0.0319	0.696
	4415	208	213	16	4207	4202	4204.5	1,560	0.06	7.72	-183.4	1.2	710	81	0.6	0.3	<1.0	1.2	10	<1.0	8.8	5.67	0.13	3.42
B/W-51 : Completed	**Total Borehole Depth: 197 ft below ground surface**																							
	4377	57	62	NS	4320	4315	4317.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4377	82	87	25	4295	4290	4292.5	854	3.32	8.48	-81.6		158	74.8	1	0	<1.0	18	10	13	9.6			
	4377	142	147	NS	4235	4230	4232.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4377	190	195	48	4187	4182	4184.5	1,029	3.46	8.64	-287.3	>1000	190	68	-	0	26	49	250	2.0	0.97			
B/W-61 : Completed	**Total Borehole Depth: 718 ft below ground surface**																							
	4355	21	26	-	4334	4329	4332	1,949	4.63	6.86	19	-	590	210	30	25	5.8	3.6	17	<1.0	17	7.22	0.295	5.66
	4355	40	45	19	4315	4310	4313	1,017	6.15	7.48	-35.6	141.3	192	295	0	0	4.3	64	55	<1	3.8	1.47	0.0599	1.2
	4355	60.5	65.5	20.5	4294.5	4289.5	4292	1,132	3.69	7.19	-31	0.1	190	329	0.8	0.3	1.1	2.9	45	1.7	44	18	0.768	14.7
	4355	88.5	93.5	28	4266.5	4261.5	4264	1,260	3.11	7.27	-29.5	13.1	280	318	0.2	0	0.74	3.2	58	2.6	55	26.9	0.743	21
	4355	110	115	21.5	4245	4240	4243	481	5.71	7.71	21.3	0.2	336	306	0	0	0.76	5.3	71	3.5	68	29.7	0.832	22.6
	4355	132	137	22	4223	4218	4221	479	5.10	7.70	19.8	1.5	400	255	0.5	0.1	0.58	3.8	63	1.7	57	26.1	0.693	18.1
	4355	153	158	21	4202	4197	4199.5	1,337	0.81	7.37	-41.9	1.7	405	285	0.2	0.1	<1.0	0.9	36	<1.0	33	17.2	0.421	12
	4355	182.5	187.5	29.5	4172.5	4167.5	4170	2,155	1.17	7.99	-78.7	97.2	1050	198	1	0.3	<1.0	1.1	86	<1.0	89	41	1.22	27.6
	4355	210.5	215.5	28	4144.5	4139.5	4142	1,030	0.10	7.91	-300.1	1.0	200	104	0.1	0.1	<1.0	4	12	3.5	10	7.33	0.22	4.78
	4355	229.5	234.5	19	4125.5	4120.5	4123	1,864	0.14	7.74	-157.8	12.3	900	196	2	0.3	<1.0	3	59	1.7	48	28.7	0.774	18
	4355	249	254	19.5	4106	4101	4103.5	1,156	0.82	7.73	-109.7	42.1	385	107	1	0.1	<1.0	2.8	23	2.8	19	11.6	0.366	6.8
	4355	281	286	32	4074	4069	4071.5	956	0.71	7.51	-133	42.7	373	75.6	2	1	<1.0	3.9	11	<1.0	8.4	6.72	0.125	3.26
	4355	301	306	20	4054	4049	4051.5	2,965	0.64	6.81	-34.7	117.4	1450	255	2	1	<1.0	1.6	190	1.2	180	104	2.65	62.8
	4355	326	331	25	4029	4024	4026.5	3,034	0.23	6.98	-48.2	1.5	1466	303	1	1	<1.0	2.7	290	2.0	290	180	4.09	102
	4355	361	366	35	3994	3989	3991.5	3,326	0.18	6.85	-274	9.3	1567	415	0.8	1	<1.0	2	250	2.0	250	164	3.91	93.8
	4355	429	434	68	3926	3921	3923.5	1,541	0.11	7.41	-231.6	1.7	570	245	9	9	6	<1.0	30	<1.0	27	18.4	0.38	9.66
	4355	464	469	35	3891	3886	3888.5	630	2.64	7.75	-293.7	48.6	145	117	0.6	0	<1.0	20	18	17	19			
W4CB-2 : Completed	**Total Borehole Depth: 556 ft below ground surface**																							
	4354	51.5	56.5	-	4302.5	4297.5	4300	5,573	0.75	5.76	-157.7	4.4	2633	254	>300	>300	2.1	1.8	23	<1.0	20	9.86	0.286	7.49
	4354	86	91	34.5	4268	4263	4265.5	2,763	1.05	7.20	-202.8	35.1	1033	64	9	6.5	2.1	<1.0	5.6	<1.0	4.5	2.54	0.107	1.59
	4354	116	121	30	4238	4233	4235.5	1,121	0.85	7.29	-179.9	38.8	367.4	211	2	1	<1.0	<1.0	36	<1.0	30	17.2	0.356	10.8
	4354	155.5	160.5	39.5	4198.5	4193.5	4196	1,367	0.51	7.47	-221.5	45.6	540	167	5	5	2	1.2	8.4	<1.0	6.8	4.11	0.125	2.63
	4354	205	210	49.5	4149	4144	4146.5	853	0.22	7.58	-247.5	127.8	283	105	2	1	<1.0	1.3	4.3	<1.0	3.8	2.22	0.0578	1.28
	4354	241	246	36	4113	4108	4110.5	984	1.00	7.47	-82.4	34.8	355	110	0.8	0	<1.0	2.5	29.0	1.4	29	20.1	0.408	10.9
	4354	271	276	30	4083	4078	4080.5	3,516	0.43	6.30	-172	28.6	1472	732	2	0.8	<1.0	<1.0	410	<1.0	400	273	10.2	146
	4354	300	305	29	4054	4049	4051.5	3,825	0.18	6.20	56	20.1	1775	704	1	2	<1.0	1.7	620	1.4	670			

Location	GS	Interval		Distance Between Zonal Sampling Intervals	Interval		Interval Midpoint	SC	DO	pH	ORP	Turbidity (Unfiltered)	SO4	Alk (t)	Fe (total)	Ferrous Iron	TOC	Total Aresnic	Total Uranium	Dissolved Arsenic	Dissolved Uranium	U-234	U-235	U-238
	ft amsl	Top (ft bgs)	Bottom (ft bgs)	Feet	Top (ft amsl)	Bottom (ft amsl)	(ft amsl)	uS/cm	mg/L	su	mV	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	pCi/L	pCi/L	pCi/L
	4354	326	331	26	4028	4023	4025.5	2,997	0.08	6.49	-51.1	13.5	1275	594	7	6	<1.0	<1.0	260	<1.0	250			
	4354	395	400	69	3959	3954	3956.5	1,481	0.07	7.09	-40.8	28.7	433	287	1	0.3	<1.0	7.2	92	5.1	99			
	4354	438	443	43	3916	3911	3913.5	563	0.14	7.95	-304.7	182.4	116	131	10	0.2	<1.0	8.9	6.3	1.4	2.8			
B/W-54 : Completed Total Borehole Depth: 137 ft below ground surface																								
	4350	52	57	-	4298	4293	-	424	0.99	8.04	-137.5	42.2	46	142	1	0.1	1.1	13	15	12	14			
	4350	79	84	27	4271	4266	4268.5	463	0.42	8.19	-317.7	86.2	94	105	3	0	4.4	2.1	1.3	<1.0	0.85			
B/W-62 : Drilling and zonal sample collection in progress																								
	4355	20	25	NS	4335	4330	4332.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4355	31	36	11	4324	4319	4321.5	2,894	3.03	7.26	114.9	48.0	840	510	0.3	0.1	5.1	7.2	190	4.3	200			
	4355	51	56	20	4304	4299	4301.5	1,301	0.53	7.65	143.1	48.3	483	103	0.2	0	<1.0	5.2	30	3.7	31			
	4355	81	86	30	4274	4269	4271.5	1,312	0.40	7.57	129.4	157.3	450	113	0.4	0.1	2	7.5	39	3.1	36			
	4355	118	123	NS	4237	4232	4234.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4355	120	125	2	4235	4230	4232.5	1,535	0.47	7.32	0.3	4.4	550	260	0.2	0.1								
	4355	145	150	NS	4210	4205	4207.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4355	150	155	NS	4205	4200	4202.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4355	155	160	37	4200	4195	4197.5	2,070	0.07	7.49	-48.8	3.3	933	225	0.4	0.2								
	4355	187	192	32	4168	4163	4165.5	404	1.26	8.06	152.9	6.7	1150	53	0	0								
B/W-33 : Completed Total Borehole Depth: 277 ft below ground surface																								
	4432	132	137	-	4300	4295	4297.5	774	0.33	7.99	-109.7	625.8	125	181	2	0	1.4	22	27	17	24			
	4432	151	156	19	4281	4276	4278.5	813	1.98	8.15	-153.2	512.8	145	191	-	0	2.8	20	9.3	1.9	5.1			
	4432	173.5	178.5	22.5	4258.5	4253.5	4256	904	2.79	7.99	42.1	458.1	190	175	0	5								
	4432	197	202	23.5	4235	4230	4232.5	882	2.77	8.02	-113.5	61.4	200	152	1	0.1								
	4432	272	277	75	4160	4155	4157.5	1,114	1.51	8.25	181.7	967.3	290	134	0.1	0								
B/W-65 : Drilling and zonal sampling in progress																								
	4355	30	35	-	4325	4320	4322.5	2,111	0.19	6.95	-265.1	44.7	767	342	15	20	2.8	1.8	150	0.9	160			
	4355	54	59	24	4301	4296	4298.5	1,799	0.30	7.28	-287.1	784.5	633	357	0.6	0.3								
	4355	76.5	81.5	22.5	4278.5	4273.5	4276	1,631	0.24	7.38	-180.2	431.2	525	325	15	0.8								
	4355	103	108	26.5	4252	4247	4249.5	935	0.70	7.41	-292.4	116.7	197	258	9	0.6								
	4355	139	154	46	4216	4201	4208.5	473	0.83	7.74	-214.3	194.3	56	135	2	0								
	4355	171	176	22	4184	4179	4181.5	656	0.45	7.60	-205.3	149.4	90	204	8	0.1								
	4355	202	207	31	4153	4148	4150.5	356	0.81	7.87	-59.5	7.2	46	97	0.8	0.1								
	4355	229	234	27	4126	4121	4123.5	280	0.54	8.10	-181.6	5.2	32	61	0.2	0								
	4355	251	256	22	4104	4099	4101.5	246	0.67	8.05	-144.6	8.4	28	75	1	0.2								
W5DB : Drilling and zonal sampling in progress																								
	4356	31	36	-	4325	4320	4322.5	29,222	0.54	3.70	197.1	272.8	37000	0	>300	>300								
	4356	77	82	46	4279	4274	4276.5	1,034	3.45	6.28	-73.3	897.1	376	66	300	37.5								
	4356	100	105	23	4256	4251	4253.5	748	0.36	7.50	-101.8	16.2	200	65	1	0.2								
	4356	137	142	37	4219	4214	4216.5	1,421	0.93	7.76	-146.9	37.1	405	125	1	0								

NS means no sample collected due to insufficient yield from the target sampling interval.

2010 Groundwater Investigations Update - July Monthly Report
Solid Soil Sample Data

Interval		Date Collected	Inorganics (lab)																				
			Percent Solids	pH	Total Carbon (calculated)	Total Inorganic Carbon	Total Organic Carbon (TOC)	Carbonate Alkalinity (as $CaCO_3$)	Chloride	Nitrate-N	Sulfate	Sulfide	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper
Top (ft bgs)	Bottom (ft bgs)		%	s.u.	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
B/W-1B																							
519	524	5/27/2010	99	8.42	< 10,000	< 5100	< 5100	< 100	19	< 1.1	52	< 10	7300	0.37 J	7.2	120	0.55 J	3 J	< 2.5	2900	6	4.5	66
560	565	5/27/2010	92	7.16	< 10,000	< 5500	< 5400	< 110	7.4	< 1.2	29	< 11	8200	0.29 J	7.7	90	0.55 J	3.5 J	< 2.7	3200	5.6	4.3	43
604	609	5/27/2010	90	8.59	< 10,000	< 5600	< 5500	< 110	11	< 1.2	33	< 11	7000	0.38 J	3.3	67	< 1.6	< 5.5	< 2.7	2700	4.7 J	3.6	36
650	655	5/27/2010	90	8.32	< 10,000	< 5500	< 5600	< 110	37	< 1.2	33	< 11	9000	0.25 J	8.9	43	< 1.7	4.8 J	< 2.8	1900	5.1 J	0.93 J	87
670	675	5/27/2010	93	8.22	< 10,000	< 5400	< 5300	< 110	19	< 1.2	17	< 11	16,000	0.47 J	12	55	< 1.6	9.4	< 2.6	2600	7.2	1.8 J	210
700	705	5/27/2010	94	7.58	< 9900	< 5300	< 5300	< 110	5.5	< 1.2	230	< 11	1200	< 1.1	< 2.6	36	< 1.6	< 5.3	< 2.6	540	< 5.3	< 2.6	35

"J" indicates estimated concentration

2010 Groundwater Investigations Update - July Monthly Report
Solid Soil Sample Data

			Metals (total)														Uranium Isotopes		
Interval		Date Collected	Iron	Lead	Magnesium	Manganese	Molybdenum	Nickel	Phosphorous	Phosphorous (as PO_4)	Potassium	Selenium	Sodium	Uranium	Vanadium	Zinc	U-234	U-235	U-238
Top (ft bgs)	Bottom (ft bgs)		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	pCi/L	pCi/L	pCi/L
B/W-1B																			
519	524	5/27/2010	14,000	5.2	2600	310	0.93 J	4.4 J	380	1200	1800	< 5.1	450		26	23 J			
560	565	5/27/2010	14,000	6.2	2600	370	< 5.3	4.3 J	380	1200	1700	< 5.3	360		23	27 J			
604	609	5/27/2010	12,000	5.3	1900	220	1.3 J	3.4 J	290	890	1300	< 5.5	350		< 5.5	16 J			
650	655	5/27/2010	18,000	2.6 J	2700	52	8.1	4.1 J	290	890	1300	< 5.6	320		44	< 56			
670	675	5/27/2010	34,000	1.7 J	6300	120	6.8	7.8	540	1700	440	< 5.3	270		84	< 53			
700	705	5/27/2010	14,000	1.3 J	170	< 2.6	6.5	< 5.3	140	440	930	< 5.3	64		< 5.3	< 53			

"J" indicates estimated concentrati

2010 Groundwater Investigations Update - July Monthly Report
Geoprobe Sampling Results

	Interval				Date	Cations/Anions	Dissolved Metals	TOC	U isotopes	Sulfur and Oxygen Isotopes	QA/QC sample	Field Parameters: Sulfate (SO4)	Total Alkalinity	pH	Specific Conductivity	Temperature	Water Quality Parameters (Lab): Total Alkalinity (as $CaCO_3$)	Bicarbonate Alkalinity (as $CaCO_3$)	Carbonate (as $CaCO_3$)	Total Dissolved Solids (TDS)	Total Organic Carbon (TOC)	Chloride	Fluoride	Sulfate
Ground Surface (ft amsl)	Top (ft bgs)	Bottom (ft bgs)	Top (ft amsl)	Bottom (ft amsl)		Bottle filled in 10 minute sample collection criterion?					Y/N	mg/L	mg/L	su	µS/cm	°C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
OU1-DPT-100																								
4347.25	18	22	4329.25	4325.25	6/23/2010	Yes	Yes	Yes	Yes	Yes	No	850	228	7.22	2281	22.46	280	280	< 2.0	1900	3.7	93	0.38 J	790
	25	29	4322.25	4318.25	6/23/2010	Yes	Yes	Yes	Yes	Yes	No	940	267	7.29	2243	18.32	330	330	< 2.0	1900	3.6	95	0.36 J	760
	38	42	4309.25	4305.25	6/23/2010	Yes	Yes	Yes	Yes	Yes	Field Blank	460	281	7.9	1516	18.61	340	340	< 2.0	1200	2.5	73	0.32 J	440
OU1-DPT-101																								
4353.5	28	33	4325.5	4320.5	6/20/2010	Yes	Yes	Yes	Yes	Yes	No	740	281	7.16	2238	22.67	330	330	< 2.0	1700	2.9	94	0.34 J	720
	35	40	4318.5	4313.5	6/20/2010	Yes	Yes	Yes	Yes	Yes	No	800	288	7.14	2296	29.51	340	340	< 2.0	1800	3.5	110	0.41 J	770
OU1-DPT-102																								
4345.75	20	24	4325.75	4321.75	6/19/2010	Yes	Yes	Yes	Yes	Yes	No	720	284	6.74	2171	20.86	330	330	< 2.0	1500	2.6	85	0.45 J	660
	28	32	4317.75	4313.75	6/19/2010	Yes	Yes	Yes	Yes	Yes	Field Duplicate	710	294	7.11	2117	21.29	380	380	< 2.0	1600	3.4	90	0.40 J	710
	35	39	4310.75	4306.75	6/19/2010	Yes	Yes	Yes	Yes	Yes	No	740	320	7.09	2144	18.66	350	350	< 2.0	1700	3.6	92	0.28 J	730
OU1-DPT-103																								
4346.25	16	21	4330.25	4325.25	6/22/2010	Yes	Yes	Yes	Yes	Yes	No	760	285	7.18	2357	17.37	350	350	< 2.0	1800	8.2	96	0.49 J	690
	26	31	4320.25	4315.25	6/22/2010	Yes	Yes	Yes	Yes	Yes	Field Duplicate	640	308	7.14	82077	18.39	340	340	< 2.0	1600	6.6	66	0.38 J	620
	43	47	4303.25	4299.25	6/22/2010	Yes	Yes	Yes	Yes	Yes	MS/MSD	340	335	7.35	1419	21.39	360	360	< 2.0	1100	5.9	46	0.32 J	350
OU1-DPT-104																								
4345.5	27	32	4318.5	4313.5	6/21/2010	Yes	Yes	Yes	Yes	Yes	MS/MSD	410	300	7.37	1514	23.87	330	330	< 2.0	1100	4.6	57	0.33 J	420
	38	43	4307.5	4302.5	6/21/2010	Yes	Yes	Yes	Yes	Not Sampled	No	433	285	7.17	1862	24.61	550	550	< 2.0	1200	6.5	74	0.46 J	440
OU1-DPT-105																								
4367.25	44	48	4323.25	4319.25	7/8/2010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	48	52	4319.25	4315.25	7/8/2010	Yes	Yes	Yes	Yes	Yes	Field Duplicate	455	621	7.33	1531	-	1100	1100	< 2.0	1200	1.7	85	0.5	390
OU1-DPT-106																								
No sample collected			-	-	7/10/2010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU1-DPT-107																								
4357.5	33	37	4324.5	4320.5	7/8/2010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	38	42	4319.5	4315.5	7/8/2010	Yes	Yes	Yes	Yes	Yes	No	300	304	7.54	1328	27.44	360	360	< 2.0	960	1.5	47	0.6	280
OU1-DPT-108																								
Location not accessible at the time of Geoprobe work.																								
OU1-DPT-109																								
4359.0	38	42	4321.0	4317.0	7/9/2010	Yes	Yes	Yes	Yes	Yes	Field Blank	120	180	7.69	686	24.75	340	340	< 2.0	450	< 1.0	20	0.67	92

"J" indicates estimated concentration

	Interval				Date				Dissolved Metals (Lab)																		
						Nitrate-N	Nitrite-N	Nitrate/Nitrite-N (calculated)	Aluminum, dissolved	Antimony, dissolved	Arsenic, dissolved	Barium, dissolved	Beryllium, dissolved	Boron, dissolved	Cadmium, dissolved	Calcium, dissolved	Chromium, dissolved	Cobalt, dissolved	Copper, dissolved	Iron, dissolved	Lead, dissolved	Lithium, dissolved	Magnesium, dissolved	Manganese, dissolved	Mercury, dissolved	Molybdenum, dissolved	Nickel, dissolved
Ground Surface (ft amsl)	Top (ft bgs)	Bottom (ft bgs)	Top (ft amsl)	Bottom (ft amsl)		mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	mg/L	µg/L	mg/L	mg/L	µg/L	mg/L	µg/L	µg/L
OU1-DPT-100																											
4347.25	18	22	4329.25	4325.25	6/23/2010	24	0.31	24	< 0.05	0.38 J	15	44	< 0.5	1.8	0.11 J	210	1.1 J	1.7	6	0.046	< 1.0	0.084	42	650	< 0.0002	6.4	4.8
	25	29	4322.25	4318.25	6/23/2010	18	0.24	19	< 0.05	< 2.0	20	53	< 0.5	1.5	< 1.0	270	< 2.0	1.8	4.8	0.027 J	< 1.0	0.065	54	210	< 0.0002	22	4.8
	38	42	4309.25	4305.25	6/23/2010	4.1	0.2	4.3	< 0.05	0.96 J	2.8	86	< 0.5	0.65	0.11 J	190	< 2.0	4.3	3.9	0.038 J	< 1.0	0.041 J	36	470	< 0.0002	40	17
OU1-DPT-101																											
4353.5	28	33	4325.5	4320.5	6/20/2010	22	< 0.15	22	< 0.05	1.9 J	2.8	76	< 0.5	1.8	< 1.0	190	< 2.0	7.8	8	0.091	< 1.0	0.076	42	440	< 0.0002	10	3.7
	35	40	4318.5	4313.5	6/20/2010	24	< 0.15	24	< 0.05	1.9 J	13	54	< 0.5	2	< 1.0	230	< 2.0	4.9	9.6	0.23	< 1.0	0.08	45	240	< 0.0002	15	2.9
OU1-DPT-102																											
4345.75	20	24	4325.75	4321.75	6/19/2010	21	0.23	22	< 0.05	0.42 J	1.7	78	< 0.5	1.2	0.20 J	190	< 2.0	9.6	5.1	0.05	< 1.0	0.084	47	2400	< 0.0002	15	4.3
	28	32	4317.75	4313.75	6/19/2010	22	0.17	22	< 0.05	0.70 J	1.0	110	< 0.5	1.5	0.26 J	210	1.0 J	7	6.1	0.42	< 1.0	0.075	54	1600	< 0.0002	38	7.7
	35	39	4310.75	4306.75	6/19/2010	28	0.17	28	< 0.05	1.7 J	2.4	95	< 0.5	1.5	0.15 J	210	< 2.0	7.8	6.2	1.2	< 1.0	0.068	55	1000	< 0.0002	33	9.7
OU1-DPT-103																											
4346.25	16	21	4330.25	4325.25	6/22/2010	37	0.4	38	< 0.05	0.74 J	4.6	63	< 0.5	2	0.19 J	210	< 2.0	1.3	8.2	0.016 J	< 1.0	0.081	53	1400	< 0.0002	40	5.5
	26	31	4320.25	4315.25	6/22/2010	29	< 0.15	29	< 0.05	0.37 J	3.4	67	< 0.5	1.5	0.11 J	200	1 J	1.1	4.7	< 0.04	< 1.0	0.063	51	310	< 0.0002	23	5.2
	43	47	4303.25	4299.25	6/22/2010	5.2	< 0.15	5.2	< 0.05	0.86 J	4.2	71	< 0.5	1.3	< 1.0	160	0.9 J	0.96 J	3.3	0.48	< 1.0	0.045 J	33	100	< 0.0002	13	7
OU1-DPT-104																											
4345.5	27	32	4318.5	4313.5	6/21/2010	4.6	< 0.15	4.6	< 0.05	0.30 J	10	51	< 0.5	1.2	< 1.0	160	< 2.0	1.3	3.1	0.043	< 1.0	0.05	38	130	< 0.0002	6.1	0.50 J
	38	43	4307.5	4302.5	6/21/2010	3.7	< 0.15	3.7	< 0.05	2.5	3.2	70	< 0.5	0.78	0.12 J	200	0.98 J	7.7	7.7	0.018 J	< 1.0	0.036 J	43	880	< 0.0002	23	6.1
OU1-DPT-105																											
4367.25	44	48	4323.25	4319.25	7/8/2010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	48	52	4319.25	4315.25	7/8/2010	15	0.13 J	15	< 0.05	0.6 J	5.1	61	< 0.5	1.3	< 1.0	180	< 2.0	2.3	4	< 0.04	< 1.0	0.056	35	93	< 0.0002	4.3	6.5
OU1-DPT-106																											
No sample collected			-	-	7/10/2010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU1-DPT-107																											
4357.5	33	37	4324.5	4320.5	7/8/2010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	38	42	4319.5	4315.5	7/8/2010	4.3	< 0.15	4.3	0.068	2	4.2	61	< 0.5	1.2	< 1.0	130	< 2.0	5.5	4.3	0.07	< 1.0	0.044 J	27	82	< 0.0002	15	7.4
OU1-DPT-108																											
Location not accessible at the time of Geoprobe work.																											
OU1-DPT-109																											
4359.0	38	42	4321.0	4317.0	7/9/2010	0.55	< 0.15	0.55	< 0.05	1.2 J	3.8	35	< 0.5	0.49	< 1.0	58	< 2.0	2.3	1.4 J	< 0.04	< 1.0	0.035 J	13	49	< 0.002	12	3.8

"J" indicates estimated concentration

Geoprobe Sampling Results

	Interval				Date	Phosphorus, dissolved	Potassium, dissolved	Selenium, dissolved	Silica (as SiO2), dissolved	Silver, dissolved	Sodium, dissolved	Strontium, dissolved	Thallium, dissolved	Tin, dissolved	Titanium, dissolved	Uranium, dissolved	Vanadium, dissolved	Zinc, dissolved
Ground Surface (ft amsl)	Top (ft bgs)	Bottom (ft bgs)	Top (ft amsl)	Bottom (ft amsl)		mg/L	mg/L	µg/L	mg/L	µg/L	mg/L	mg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L
OU1-DPT-100																		
4347.25	18	22	4329.25	4325.25	6/23/2010	0.043	4.3	1.9 J	56	0.26 J	280	1.8	< 1.0	< 0.1	< 0.005	84	17	2.8 J
	25	29	4322.25	4318.25	6/23/2010	0.032 J	6.1	1.1 J	53	< 1.0	180	2.3	< 1.0	< 0.1	< 0.005	93	20	2.8 J
	38	42	4309.25	4305.25	6/23/2010	0.03 J	7.6	0.82 J	44	0.42 J	86	1.7	< 1.0	< 0.1	< 0.005	160	5.2	19 J
OU1-DPT-101																		
4353.5	28	33	4325.5	4320.5	6/20/2010	0.029 J	5.4	1.0 J	52	< 1.0	260	1.7	< 1.0	< 0.1	< 0.005	110	6.9	5.1 J
	35	40	4318.5	4313.5	6/20/2010	0.059	5.2	0.58 J	60	< 1.0	270	2	< 1.0	< 0.1	< 0.005	120	13	5.8 J
OU1-DPT-102																		
4345.75	20	24	4325.75	4321.75	6/19/2010	< 0.04	7.6	0.59 J	47	< 1.0	190	1.6	< 1.0	< 0.1	< 0.005	45	4.2	3.7 J
	28	32	4317.75	4313.75	6/19/2010	< 0.04	8.6	< 2.0	44	< 1.0	210	1.7	< 1.0	< 0.1	< 0.005	91	4.1	3.4 J
	35	39	4310.75	4306.75	6/19/2010	0.023 J	10	< 2.0	44	< 1.0	200	1.7	< 1.0	< 0.1	< 0.005	82	3.6	4.6 J
OU1-DPT-103																		
4346.25	16	21	4330.25	4325.25	6/22/2010	0.045	9.7	1.3 J	40	0.22 J	260	1.6	0.25 J	< 0.1	< 0.005	110	5.9	< 20
	26	31	4320.25	4315.25	6/22/2010	0.049	8.7	0.63 J	39	< 1.0	190	1.5	< 1.0	< 0.1	< 0.005	130	4.8	< 20
	43	47	4303.25	4299.25	6/22/2010	0.036 J	11	0.72 J	50	< 1.0	100	1.4	0.23 J	< 0.1	< 0.005	130	4.9	25
OU1-DPT-104																		
4345.5	27	32	4318.5	4313.5	6/21/2010	0.057	5.6	< 2.0	55	< 1.0	130	1.3	< 1.0	< 0.1	< 0.005	110	12	< 20
	38	43	4307.5	4302.5	6/21/2010	0.029 J	8.1	< 2.0	49	< 1.0	92	2	< 1.0	< 0.1	< 0.005	150	5.1	2.9 J
OU1-DPT-105																		
4367.25	44	48	4323.25	4319.25	7/8/2010	-	-	-	-	-	-	-	-	-	-	-	-	-
	48	52	4319.25	4315.25	7/8/2010	0.032 J	2.8	1 J	57	< 1.0	100	1.7	< 1.0	< 0.1	< 0.005	43	7.6	7.1 J
OU1-DPT-106																		
No sample collected			-	-	7/10/2010	-	-	-	-	-	-	-	-	-	-	-	-	-
OU1-DPT-107																		
4357.5	33	37	4324.5	4320.5	7/8/2010	-	-	-	-	-	-	-	-	-	-	-	-	-
	38	42	4319.5	4315.5	7/8/2010	0.053	5.5	0.83 J	49	< 1.0	110	1.1	< 1.0	< 0.1	0.003 J	89	7.3	8.1 J
OU1-DPT-108																		
Location not accessible at the time of Geoprobe work.																		
OU1-DPT-109																		
4359.0	38	42	4321.0	4317.0	7/9/2010	0.035 J	4.2	0.87 J	47	< 1.0	57	0.51	< 1.0	< 0.1	< 0.005	20	5.9	< 20

"J" indicates estimated concentration

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Surface Water Sampling Data

Location	Date of sample collection	Water in West Campbell Ditch?	Monthly Water Level Start Date	Monthly Water Level End Date	Temperature	SC	DO	pH	ORP	Turbidity
		Y/N			°C	uS/cm	mg/L	su	mV	NTU
June 2010 Sampling Event										
SW-WR-01	6/30/2010	Yes	6/30/2010	7/2/2010	18.09	143	5.97	7.60	271.3	61.4
SW-WCD-01	6/30/2010				19.64	131	6.36	7.21	241.6	49.3
July 2010 Sampling Event										
SW-WR-01	7/28/2010	Yes	7/26/2010	7/28/2010	29.49	211	7.32	7.96	195.1	74.6
SW-WCD-01	7/28/2010				25.50	252	6.72	8.19	229.2	64.5