

Table 5. Down-hole logging data for field parameters.

Well number	Date	Water level ft. BTOC	Measurement depth ft. BTOC	Temperature degrees Celsius	Conductivity µS/cm	Dissolved oxygen mg/L	pH	ORP mV	Comments									
MW-01	2/10/2008	22.01	23	15.79	1631	1.53	6.78	151.0	Lots of roots on probe									
			25	15.99	1634	1.08	6.89	117.7										
			27	16.15	1634	1.02	6.86	110.4										
			29	16.31	1634	1.06	6.82	99.3										
			30	16.32	1632	1.06	6.79	98.0										
MW-02	2/10/2008	21.63	22	19.49	821	0.39	6.38	59.6	Definite odor									
			24	20.05	1126	0.29	6.52	-81.0										
			26	20.04	1159	0.30	6.52	-100.1										
			28	19.95	1167	0.32	6.49	-109.2										
			29.5	19.89	1160	0.33	6.46	-117.7										
MW-03	2/10/2008	17	18	17.78	872	2.16	7.01	121.4										
			20	18.3	878	2.25	6.93	117.4										
			22	18.47	879	1.92	6.89	109.1										
			24	18.62	879	2.04	6.82	105.3										
			25.5	18.65	877	2.27	6.78	105.5										
MW-04	2/10/2008	13.75	15	13.26	533	4.65	7.69	103.4										
			17	13.4	546	4.70	7.64	102.8										
			19	13.7	561	4.76	7.63	101.7										
			21	13.82	564	4.75	7.64	99.7										
			22.5	13.86	563	4.92	7.58	101.2										
MW-05	2/10/2008	21.82	22	17.33	319	4.99	8.36	91.9										
			25	17.42	317	4.98	8.27	88.5										
			28.5	17.5	320	5.21	8.16	86.5										
										Bottom at 29 ft.								
MW-06	2/11/2008	16.55	17	18.64	2994	4.64	7.13	60.2										
			19	19.25	3042	4.83	7.14	58.3										
			21	19.46	3051	4.84	7.12	60.3										
			23	19.59	3053	4.65	7.11	60.7										
			23.5	19.51	3027	4.98	7.09	62.5										
MW-07	2/11/2008	16.97	18	14.92	8240	5.44	7.55	79.6	Bit of sand on probe									
			20	15.21	8268	5.42	7.59	80.5										
			22	15.78	8666	5.09	7.54	80.6										
			24	16.21	9051	5.20	7.5	85.1										
			25	16.37	9131	3.41	7.46	88.3										
MW-08	2/10/2008	13.1	14	13.31	242	1.63	7.16	152.2	Well log says resistant to drilling at 9.5 ft.									
			16	13.73	233	1.29	7.2	142.6										
			18	14.33	237	1.21	7.24	135.3										
			20	14.98	217	3.27	7.34	127.0										
			22	15.35	217	4.72	7.61	117.5										
			24	15.62	218	4.87	7.77	113.0										
			26	15.98	218	4.98	7.77	112.4										
			27	16.16	218	4.94	7.79	108.9										
										Bottom								
MW-09D	2/10/2008	20.7	62	16.06	68-200	5.66	8.61	92.8	Still above well screened interval - maximum cable length Conductivity reading is not stable Conductivity is stable at 40 ft., value is 203.									
MW-10D	2/10/2008	27.82	62	15.65	222	5.65	8	104.4	Maximum cable length, top of well screen is at 70 ft.									
										MW-11D	2/10/2008	27.4	50	16.10	200	5.87	7.95	120.5
													55	16.00	199	5.64	7.99	111.6
60	15.90	199	5.82	7.87	112.1													
MW-12D	2/10/2008	14.14	20	16.26	203	6.60	8.36	76.0										
			30	16.29	205	6.10	8.46	75.9										
			35	16.51	205	5.91	8.44	76.4										
			40	16.55	207	6.27	8.41	77.3										
			45	16.48	206	6.25	8.33	80.0										
			50	16.34	206	5.61	8.24	83.2										
			53	16.26	218	5.09												
										Bottom, redid after low pH on first round								
MW-13D	2/10/2008	10.02	62	15.93	250	4.58	7.6	91.0	Maxium cable length, top of well screen is at 111 ft. Conductivity is unstable value is 100-250 when probe is moved									
MW-14	2/10/2008	19.23	20	14.98	820	4.42	7.07	70.4										
			24	15.41	824	3.91	7.04	76.2										
			28	15.78	827	3.89	7.01	80.8										
			32.5	16.02	831	3.86	6.93	86.4										
			35	16.07	831	3.96	6.88	89.6										
			37	16.10	832	3.67	6.84	93.7										
MW-15	2/11/2008	22.56	23	15.88	816	3.31	7.81	59.0	Lot of drift in ORP numbers									
			25	16.22	819	3.19	7.84	54.4										
			26	16.32	903	2.53	7.8	-52.7										
			27	16.38	1,332	1.14	7.59	-34.7										
			27.5	16.39	1,501	0.86	7.56	-87.5										
MW-16	2/11/2008	14.62	15	13.56	2,810	3.59	7.12	59.7	A few roots on probe									
			16	14.05	2,961	2.05	7.00	-40.0										
			17	14.34	3,097	1.13	6.91	-15.2										
			19	14.74	3,177	0.61	6.87	-35.4										
			21	14.87	3,168	0.58	6.83	-51.8										
MW-17	2/10/2008	30.41	32	16.46	463	6.32	7.60	62.1										
			35	16.69	479	6.75	7.57	65.8										
			37.5	16.67	481	6.77	7.54	68.8										
			40	16.60	481	6.64	7.52	71.7										
			42.5	16.51	481	6.72	7.48	76.0										
			45	16.42	482	6.77	7.46	78.3										
			47	16.34	476	6.26	7.35	85.5										
MW-18	2/11/2008	17.73	18	14.69	1,652	2.52	7.69											
			20	14.84	1,655	2.42	7.67	47.6										
			25	15.44	1,657	2.28	7.61	49.0										
			30	15.99	1,665	2.10	7.54	51.2										
			35	16.26	1,666	2.18	7.33	61.5										
			40	16.32	1,666	2.18	7.17	69.0										
			45	16.16	1,667	2.13	7.03	75.0										
			47	16.13	1,644	2.18	7.04	73.5										
MW-19	2/10/2008	29.76	30	15.77	1,265	7.16	7.88	122.6										
			32.5	16.09	1,399	6.94	7.91	116.0										
			35	16.19	1,411	6.65	7.93	110.2										
			37	16.23	1,398	7.21	7.88	110.3										
MW-20	2/10/2008	22.66	24	15.69	908	2.43	7.28	124.4										
			26	15.92	910	2.27	7.18	121.7										
			28	16.03	910	2.27	7.13	117.8										
			30	16.13	931	2.28	7.03	124.4										
			32	16.15	968	2.03	6.90	187.3										
										Bottom - roots on probe								
MW-21	2/11/2008	18.2	19	15.20	840	3.31	7.54	70.4										
			21	15.46	840	3.12	7.57	68.1										
			22.5	15.56	841	3.27	7.55	67.6										
MW-22	2/11/2008	12.32	13	13.66	1,140	2.75	7.26	100.8										
			15	13.92	1,140	2.51	7.01	99.1										
			17	14.40	1,138	2.48	6.88	97.9										
			19	14.97	1,138	2.35	6.79	95.4										
			21	15.29	1,140	2.36	6.67	96.5										
			22.5	15.41	1,140	2.34	6.57	96.9										
MW-23	2/5/2008	15.26	16	14.16	1,967	2.37	7.23	99.4	YSI probe could not get past roots in well Switched to Solinst Reellogger at 19 ft. BTOC									
			17	14.53	1,952	1.87	7.13	100.4										
			18	14.89	1,947	1.91	7.09	112.9										
			19	15.08	1,950	2.28	7.08	123.3										
			19.7	14.52	1,975													
			20.7	15.04	1,918													
			22.7	15.36	1,928													
			24.7	15.62	1,934													
			26.7	15.73	1,941													
			28.7	15.93	1,945													
			30.7	16.09	1,952													
			31.4	16.14	1,952													
MW-24	2/10/2008	20.76	22	15.97	390	4.29	8.12	95.7										
			24	16.20	390	4.62	8.08	95.0										
			26	16.40	389	4.75	8.02	94.4										
			28	16.50	390	4.26	8.01	90.9										
			30	16.64	400	4.42	7.95	90.2										
			32.5	16.76	465	4.17	7.87	112.8										
MW-25	2/10/2008	20.04	22	15.37	369	4.95	8.02	128.0										
			24	15.59	371	5.18	7.91	124.0										
			26	15.89	370	5.33	7.75	118.2										
			28	15.84	370	5.42	7.69	116.5										
			30	15.93	370	5.31	7.67	114.1										
			32	15.96	370	5.41	7.62	114.0										
MW-26	2/10/2008	19.99	22	15.48	633	5.15	7.71	102.6	Blocked at 22 ft., roots on probe									
MW-27	2/10/2008	33.21	35	16.45	945	6.64	7.92	108.4										
			40	16.59	1,014	6.84	7.82	106.4										
			45	16.45	1,042	6.82	7.74	106.9										
			50	16.28	1,044	6.88	7.67	108.2										
			52	16.20	1,047	7.03	7.56	116.0										
										Well construction says well depth is 42 ft below ground surface								
MW-28	2/10/2008	20.81	22	15.38	1,224	4.40	7.63	103.8										
			24	15.87	1,227	4.29	7.62	100.3										
			26	15.97	1,228	4.20	7.60	97.5										
			27.2	16.04	1,227	4.46	7.56	98.8										
MW-29	2/11/2008	23.39	25.7	16.02	2,669				Used Reellogger, above bottom At bottom									
			28.9	15.87	2,637													
MW-30	2/11/2008	26.94	29.7	15.40	896				Used Reellogger, 1 ft. above bottom									
MW-31	2/11/2008	32.26	32.7															