

Appendix B  
Ground Water Monitoring Data Results  
2006-2012

Compiled by the Town of Plymouth  
Data Collected by Veolia and the Town of Plymouth

Groundwater Sampling Locations and Schedule

<u>Location ID</u>	<u>Description</u>	<u>Inner/OuterWells/NMP</u>	<u>Schedule</u>
A9	Downgradient of Infiltration site, in wooded area	Inner (Permit)	
A10	Downgradient of Infiltration site, in wooded area	Inner (Permit)	
A11	Infiltration Basin Site	Inner (Permit)	
A16	Infiltration Basin Site	Inner (Permit)	
6S (R )	Downgradient of infiltration site	Outer (Permit)	
6D	Downgradient of infiltration site	Outer (Permit)	
1S	Downgradient of infiltration site	Outer (Permit)	
USGS 475 (R )	In culdesac of Russell Mill Road	Outer (Permit)	
A13	DPW Parking Lot	NMP	2x/yr
A15	Before Hayden Hollow subdivision on Sandwich Rd	NMP	2x/yr
A17	Infiltration Basin Site near Odor Control	NMP	2x/yr
A21	On top of Russell Mill Pond Dam	NMP	2x/yr
2SR	Near culvert into Warren Wells Brook (Woods)	NMP	2x/yr
2DR	Near culvert into Warren Wells Brook (Woods)	NMP	2x/yr
3S	At Nickerson Property - near Hatchery (Access denied as of 9/2009)	NMP	2x/yr
3D	At Nickerson Property - near Hatchery (Access denied as of 9/2009)	NMP	2x/yr
7SR	In culdesac of East Russell Mill Rd	NMP	2x/yr
5S	Nickerson Property - Off Russell Mills Road	NMP	2x/yr
Bradford	Town water supply well off Long Pond Road	NMP	2x/yr
472	Near Eel River Preserve Parking along Boot Pond Road	NMP (water level only)	WL Only
473	Near Eel River Preserve Parking along Boot Pond Road	NMP (water level only)	WL Only

Note: Locations 7SR & 5S were added to sampling program per DEP approval for 2007 sampling.

Analytical Footer

- (1) ND = Not Detected
- (2) NM = Not Measured
- (3) NA = Not Applicable
- (4) NAL = Not Allowed to Sample Analyte per Property Owner
- (5) AD= Access Denied by Property Owner
- (6) ---- = Prior to Town Sampling Program or Not Required
- (7) E-failure = Equipment Failure
- (8) Analytical abbreviations are as follows:
- (9) Detection = See Detection Sheet for VOCs

TKN = Total Kjeldahl Nitrogen

Ortho P = Orthophosphate

Total P= Total Phosphorus

TDS = Total Dissolved Solids

TDN = Total Dissolved Nitrogen

DON = Dissolved Organic Nitrogen

DIN = Dissolved Inorganic Nitrogen

POC = Particulate Organic Carbon

PON = Particulate Organic Nitrogen

**Appendix B Groundwater Quality Monitoring  
Analytical Parameters  
NMP**

Station ID	Date	Time	Total P (mg/L)	Re-issued TP (mg/L)	Ortho P (mg/L)	Ammonia (mg/L)	Nitrate 9mg/L	Nitrite (mg/L)	Total Nitrogen (mg/L)	Re-issued Total Nitrogen	TDN (mg/L)	DIN (mg/L)	DON (mg/L)	Re-issued DON	POC (mg/L)	PON (mg/L)	Re-issued PON	TDS (mg/L)	Chloride (mg/L)	Boron (mg/L)	Copper (mg/L)	Iron (mg/L)	Mercury (mg/L)	VOC
A13	05-Aug-02	---	0.0294	NA	0.0168	0.1124	0.2331	---	---	NA	0.5069	0.3	0.2	NA	---	---	NA	66	23	<0.1	<0.025	1	<0.001	---
A13	16-Apr-03	---	0.04	NA	0.014	0.058	0.233	---	---	NA	0.748	0.291	0.457	NA	---	---	NA	66	20	<0.02	<0.01	---	---	---
A13	14-Oct-03	---	0.0284	NA	0.0139	0.1913	---	---	---	NA	---	0.367	0.0694	NA	---	---	NA	78	27	<0.02	<0.01	---	---	---
A13	26-Mar-04	---	---	---	---	---	---	---	---	NA	---	---	---	---	---	---	NA	150	68	<0.02	<0.01	---	---	---
A13	24-Apr-06	10:25:00 AM	<0.50	NA	<0.10	<0.20	0.1	NM	<0.50	NA	0.55	0.55	<0.50	NA	NM	NM	NA	460	220	<0.10	<0.10	230	<0.0002	ND
A13	31-Oct-06	10:42:00 AM	<0.132	0.0484	<0.0	0.317	0.25	<0.0100	1.397	1.4	1.3	0.36	0.76	0.763	NM	<0.13	<0.130	516	309	<0.0300	0.0089	8.5	<0.0005	ND
A13	08-May-07	10:00:00 AM	<0.132	<0.0400	<0.0257	0.612	0.277	<0.0220	1.29	1.179	1.1	0.62	<0.39	0.214	NM	<0.39	<0.130	193	108	<0.0300	<0.0100	2.52	<0.0005	ND
A13	14-Nov-07	12:12:00 PM	<0.132	0.117	<0.0257	0.246	0.198	<0.0220	0.845	0.585	0.44	0.295	<0.39	<0.130	NM	<0.39	<0.130	133	94.9	<0.0300	<0.0400	3.47	<0.0005	ND
A13	07-Apr-08	11:30:00 AM	<0.132	<0.04	<0.0257	0.189	0.36	<0.0220	0.95	0.69	0.79	0.56	<0.39	<0.130	<1.0	<0.39	<0.130	244	124	0.044	<0.0400	3.19	<0.0005	ND
A13	17-Nov-08	11:35:00 AM	<0.132	<0.04	<0.020	0.169	0.158	<0.0220	0.728	0.758	0.69	0.254	<0.39	0.355	<1.0	<0.39	<0.130	209	125	<0.0300	<0.00800	2.56	<0.0005	ND
A13	14-Apr-09	12:25:00 PM	<0.0400	NA	<0.0257	0.199	0.26	<0.0220	0.806	NA	0.73	0.339	0.271	NA	<1.0	<0.130	NA	81	54.3	<0.0370	<0.0400	2.21	<0.0005	ND
A13	02-Nov-09	1:20:00 PM	0.055	NA	0.035	0.4	0.28	<0.004	0.982	NA	0.77	0.68	<0.20	NA	<0.50	0.21	NA	247	127	0.0130	<0.003	7.09	<0.0005	ND
A13	26-Apr-10	10:55:00 AM	0.027	NA	0.013	0.4	0.22	<0.004	1.482	NA	1.06	0.62	0.44	NA	<0.50	0.42	NA	304	162	<0.010	<0.003	6.33	<0.0005	ND
A13	03-Nov-10	10:15:00 AM	0.043	NA	0.015	0.12	0.3	<0.004	0.892	NA	0.79	0.42	0.37	NA	<0.50	<0.2	NA	417	194	0.019	<0.003	7.2	<0.0005	ND
A13	25-Apr-11	10:15:00 AM	<0.005	NA	<0.005	0.23	0.27	<0.004	0.742	NA	0.48	0.5	<0.20	NA	<0.50	<0.20	NA	242	130	0.024	<0.003	4.28	<0.0005	ND
A13	24-Oct-11	10:15:00 AM	0.014	NA	0.006	0.15	0.18	<0.004	0.602	NA	0.46	0.33	0.13	NA	<0.2	0.14	NA	320	187	0.012	0.003	3.49	<0.0005	Detection
A13	14-Mar-12	11:20:00 AM	0.013	NA	0.01	0.23	0.17	<0.020	0.712	NA	0.58	0.4	0.18	NA	<0.2	0.13	NA	444	282	0.025	<0.003	6.34	<0.0005	ND
A13	02-Oct-12	9:45:00 AM	0.02	NA	0.005	0.21	0.13	<0.004	0.682	NA	0.58	0.34	0.24	NA	<0.2	0.1	NA	457	281	<0.01	<0.003	2.82	<0.0005	ND
A15	05-Aug-02	---	0.0657	NA	0.0457	0.003	0.2245	---	---	NA	0.3304	0.2	0.1	NA	NM	---	NA	48	16	<0.1	<0.025	0.31	<0.001	---
A15	17-Apr-03	---	0.102	NA	0.043	0.034	0.283	---	---	NA	0.416	0.317	0.099	NA	---	---	NA	88	15	<0.02	<0.01	---	---	---
A15	15-Oct-03	---	0.052	NA	0.0466	<0.007	---	---	---	NA	---	0.6108	0.1384	NA	---	---	NA	74	16	<0.02	<0.01	---	---	---
A15	24-Mar-04	---	---	---	---	---	---	---	---	NA	---	---	---	---	---	---	NA	80	16	<0.02	<0.01	---	---	---
A15	26-Apr-06	9:52:00 AM	<0.50	NA	<0.10	<0.20	0.91	NM	0.7	NA	0.76	0.76	<0.10	NA	NM	NM	NA	94	36	<0.01	<0.10	<0.10	<0.0002	Detection
A15	01-Nov-06	1:45:00 PM	<0.132	0.0839	0.0492	<0.130	0.8	<0.0100	1.555	1.558	1.5	0.903	0.62	0.623	NM	<0.13	<0.130	125	25.9	<0.0300	<0.00800	0.389	<0.0005	ND
A15	10-May-07	11:10:00 AM	<0.132	0.0727	0.0375	0.153	1.01	<0.0220	1.564	1.605	1.5	1.12	<0.39	0.366	NM	<0.39	<0.130	106	29.7	<0.0300	<0.00800	<0.0600	<0.0005	ND
A15	16-Nov-07	11:57:00 AM	0.23	0.23	0.155	<0.130	1.29	<0.0220	1.756	1.732	1.7	1.38	<0.39	0.301	NM	<0.39	<0.130	200	37.5	<0.0300	<0.0400	0.563	<0.0005	ND
A15	09-Apr-08	11:27:00 AM	<0.132	<0.04	0.0397	0.365	1.37	<0.0220	2.136	1.876	1.6	1.51	<0.39	<0.130	<1.0	<0.39	<0.130	141	42	<0.0300	<0.0400	<0.0600	<0.0005	ND
A15	20-Nov-08	10:25:00 AM	<0.132	<0.04	0.03	<0.130	1.4	<0.0220	1.866	2.027	1.83	1.46	<0.39	0.387	<1.0	<0.39	<0.130	125	32.4	<0.0300	<0.0400	0.288	<0.0005	ND
A15	17-Apr-09	11:50:00 AM	<0.0400	NA	0.0395	0.377	1.2	<0.0100	1.84	NA	1.8	1.38	0.193	NA	<1.0	<0.130	NA	138	28.2	<0.0300	<0.0400	1.52	<0.0005	ND
A15	04-Nov-09	1:10:00 PM	0.132	NA	0.06	<0.10	1.49	<0.004	1.892	NA	1.84	1.59	0.25	NA	<0.50	<0.20	NA	96	31.3	0.01	0.003	0.28	<0.0005	ND
A15	27-Apr-10	11:04:00 AM	0.06	NA	0.052	0.045	1.21	<0.004	1.567	NA	1.49	1.26	0.24	NA	<0.50	0.07	NA	113	29.5	<0.010	<0.003	0.03	<0.0005	ND
A15	01-Nov-10	1:35:00 PM	0.043	NA	0.038	<0.1	1.67	<0.004	2.132	NA	2.02	1.67	0.35	NA	0.7	<0.2	NA	102	36.1	0.016	<0.003	<0.1	<0.0005	ND
A15	26-Apr-11	10:05:00 AM	0.19	NA	<0.005	<0.02	1.31	<0.004	1.602	NA	1.51	1.33	0.18	NA	<0.2	<0.2	NA	166	50	<0.010	<0.003	0.01	<0.0005	ND
A15	26-Oct-11	10:50:00 AM	0.033	NA	0.033	0.07	1.32	<0.004	1.602	NA	1.53	1.39	0.14	NA	<0.2	0.07	NA	283	105	<0.010	0.005	0.02	<0.0005	ND
A15	13-Mar-12	1:45:00 PM	0.035	NA	0.033	<0.02	1.28	<0.004	1.492	NA	<1.48	1.28	<0.2	NA	<0.2	<0.2	NA	178	67	0.012	<0.003	0.03	<0.0005	ND
A15	01-Oct-12	2:15:00 PM	0.04	NA	0.033	0.03	1.16	<0.004	1.377	NA	<1.36	1.19	<0.17	NA	<0.2	<0.2	NA	218	77.5	0.021	<0.003	<0.1	<0.0005	ND
A17	06-Aug-02	---	NM	NA	0.0088	0.0082	0.8729	---	---	NA	1.072	0.9	0.2	NA	NM	---	NA	120	41	<0.1	<0.025	0.62	<0.001	---
A17	17-Apr-03	---	0.021	NA	0.014	0.021	1.242	---	---	NA	1.655	1.264	0.392	NA	---	---	NA	170	65	<0.02	<0.01	---	---	---
A17	15-Oct-03	---	0.0189	NA	0.0094	0.0009	---	---	---	NA	---	1.6124	1.1983	NA	---	---	NA	80	25	<0.02	<0.01	---	---	---
A17	24-Mar-04	---	---	---	---	---	---	---	---	NA	---	---	---	---	---	---	NA	88	19	<0.02	<0.01	---	---	---
A17	24-Apr-06	12:05:00 PM	<0.50	NA	<0.10	<0.20	2.2	NM	2.4	NA	2.4	2.4	<0.50	NA	NM	NM	NA	72	17	<0.10	<0.10	<0.10	<0.0002	ND
A17	31-Oct-06	2:18:00 PM	1.52	1.52	0.0054	<0.130	1.2	<0.0100	2.095	2.1	2	1.33	0.76	0.765	NM	<0.13	<0.130	64	15.2	<0.0300	<0.00800	<0.0600	<0.0005	ND
A17	08-May-07	11:45:00 AM	<0.132	<0.0400	0.0294	0.428	1.41	<0.0220	2.239	1.979	1.9	1.52	<0.39	<0.130	NM	<0.39	<0.130	76	22.2	<0.0300	<0.0100	<0.0600	<0.0005	ND
A17	14-Nov-07	10:57:00 AM	<0.132	0.125	<0.0257	<0.130	1.36	<0.0220	1.826	1.843	1.8	1.48	<0.39	0.342	NM	<0.39	<0.130	91	36.5	<0.0300	<0.0400	0.464	<0.0005	ND
A17	07-Apr-08	1:50:00 PM	<0.132	<0.04	<0.0257	0.143	2.58	<0.0220	3.123	2.864	1.6	1.35	<0.39	<0.130	<1.0	<0.39	<0.130	102	21	0.052	<0.0400	<0.0600	<0.0005	ND
A17	18-Nov-08	12:47:00 PM	<0.132	<0.04	<0.020	<0.130	1.83	<0.0220	2.296	2.272	<0.39	1.92	<0.39	0.301	<1.0	<0.39	<0.130	62	18.5	0.101	<0.0400	1.14	<0.0005	ND
A17	15-Apr-09	2:10:00 PM	<0.0400	NA	<0.0257	<0.130	1.8	<0.0220	2.474	NA	2.4	1.88	0.533	NA	<1.0	<0.130	NA	38	18.9	<0.0370	<0.0400	<0.0600	<0.0005	ND
A17	04-Nov-09	10:25:00 AM	0.027	NA	0.024	<0.10	2.05	<0.004	2.327	NA	2.4	2.15	0.25	NA	<0.50	<0.20	NA	73	31.1	0.012	0.003	<0.01	<0.0005	ND
A17	26-Apr-10	1:35:00 PM	0.047	NA	0.023	0.13	1.07	<0.004	1.352	NA	1.28	1.2	0.08	NA	<0.50	0.07	NA	64	28.3	<0.010	<0.003	0.02	<0.0005	ND
A17	01-Nov-10	10:40:00 AM	<0.005	NA	<0.005	<0.1	1.56	<0.004	1.782	NA	1.63	1.56	0.07	NA	0.93	0.14	NA	68	24.8	0.026	<0.003	0.01	<0.0005	ND
A17	27-Apr-11	10:20:00 AM	0.15	NA	0.01	<0.10	1.1	<0.004	1.352	NA	1.3	1.2	0.1	NA	0.1	<0.2	NA	108	39.2	0.011	<0.003	<0.01	<0.0005	ND
A17	25-Oct-11	11:25:00 AM	0.011	NA	0.009	0.03	0.91	<0.004	1.192	NA	1.12	0.94	0.18	NA	<0.2	0.07	NA	113	53	<0.010	0.0			

**Appendix B Groundwater Quality Monitoring  
Analytical Parameters  
NMP**

A21	14-Oct-03	---	0.0284	NA	0.0239	0.0876	---	---	---	NA	---	0.09	0.0934	NA	---	---	NA	60	14	<0.02	<0.01	---	---	---	
A21	26-Mar-04	---	---	NA	---	---	---	---	---	NA	---	---	---	NA	---	---	NA	60	14	<0.02	<0.01	---	---	---	
A21	26-Apr-06	11:12:00 AM	<0.50	NA	<0.10	<0.20	0.11	NM	<0.50	NA	0.13	0.13	<0.10	NA	NM	NM	NA	50	21	<0.01	<0.10	1.7	<0.0002	ND	
A21	01-Nov-06	12:30:00 PM	<0.132	0.0553	0.0166	<0.130	<0.100	<0.0100	0.765	0.765	0.7	0.21	0.58	0.58	NM	<0.13	<0.130	83	19.8	<0.0300	<0.00800	1.27	<0.0005	ND	
A21	09-May-07	1:30:00 PM	<0.132	0.0559	<0.0257	0.183	0.0994	<0.0220	0.7718	0.7294	0.65	0.307	<0.39	0.371	NM	<0.39	<0.130	60	19.5	<0.0300	<0.00800	1.05	<0.0005	ND	
A21	14-Nov-07	2:22:00 AM	<0.132	0.114	0.0399	<0.130	<0.0257	<0.0220	0.47885	<0.21885	<0.39	<0.130	<0.39	<0.130	NM	<0.39	<0.130	52	21	<0.0300	<0.0400	0.996	<0.0005	ND	
A21	09-Apr-08	2:29:00 PM	<0.132	<0.04	<0.0257	0.246	0.0544	<0.0220	0.704	0.4414	<0.39	0.131	<0.39	<0.130	<1.0	<0.39	<0.130	89	20.2	<0.0300	<0.0400	1.95	<0.0005	ND	
A21	19-Nov-08	11:20:00 AM	<0.132	<0.04	<0.020	<0.130	<0.0270	<0.0220	0.4795	0.4335	<0.39	0.321	<0.39	0.279	<1.0	<0.39	<0.130	77	19.6	0.116	<0.0400	1.25	<0.0005	ND	
A21	03-Nov-09	12:25:00 PM	0.049	NA	0.017	0.38	0.04	<0.004	0.622	NA	0.46	0.42	<0.20	NA	<0.50	<0.20	NA	83	22.9	0.015	<0.003	3.06	<0.0005	ND	
A21-A	15-Apr-09	9:40:00 AM	<0.0400	NA	0.041	0.36	<0.100	<0.0220	0.671	NA	0.41	5.83	<0.130	NA	1.2	0.185	NA	43	18.1	<0.0370	<0.0400	2.48	<0.0005	Detection	
A21-A	28-Apr-10	11:10:00 AM	0.045	NA	0.027	0.24	<0.01	<0.004	0.847	NA	0.7	0.24	0.46	NA	<0.50	0.14	NA	31	23.5	<0.010	<0.003	2.13	<0.0005	ND	
A21-A	03-Nov-10	12:20:00 PM	0.04	NA	0.032	0.24	0.09	<0.004	0.682	NA	0.58	0.33	0.25	NA	<0.50	<0.2	NA	59	24.6	<0.01	<0.003	1.96	<0.0005	ND	
A21-A	26-Apr-11	1:40:00 PM	0.05	NA	0.012	0.11	0.17	<0.004	0.522	NA	0.37	0.28	0.09	NA	0.01	0.15	NA	77	23.7	0.011	<0.003	1.67	<0.0005	ND	
A21-A	24-Oct-11	1:45:00 PM	0.044	NA	0.03	0.16	<0.01	<0.004	0.427	NA	0.28	0.16	0.12	NA	<0.2	0.14	NA	69	25	0.012	0.004	1.83	<0.0005	ND	
A21-A	13-Mar-12	2:40:00 PM	0.02	NA	0.014	0.11	0.14	<0.004	0.552	NA	0.4	0.25	0.15	NA	<0.2	0.15	NA	72	27	0.012	<0.003	1.7	<0.0005	ND	
A21-A	01-Oct-12	11:40:00 AM	0.043	NA	0.026	0.18	0.09	<0.004	0.422	NA	0.34	0.27	0.07	NA	<0.2	0.08	NA	66	29.1	0.014	<0.003	1.74	<0.0005	ND	
2SR	07-Aug-02	---	---	0.0029	NA	0.0025	0.0035	1.7385	---	---	NA	1.984	1.7	0.2	NA	NM	---	NA	62	5.6	<0.1	NAL	<0.05	NAL	---
2SR	17-Apr-03	---	---	0.025	NA	0.008	0.014	0.058	---	---	NA	0.869	0.072	0.797	NA	---	---	NA	46	6	<0.02	NAL	---	NAL	---
2SR	14-Oct-03	---	<0.003	NA	0.0139	<0.007	---	---	---	---	NA	---	0.2972	0.0423	NA	---	---	NA	28	5	<0.02	NAL	---	NAL	---
2SR	24-Mar-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NA	56	5	<0.02	NAL	---	NAL	---
2SR	25-Apr-06	9:37:00 AM	<0.50	NA	<0.10	<0.20	1	NM	1.1	NA	1	1	<0.50	NA	NM	NM	NA	36	6.2	<0.10	NAL	NM	NAL	ND	
2SR	31-Oct-06	11:57:00 AM	<0.132	0.0589	<0.0	<0.130	0.12	<0.0100	0.925	0.925	0.86	0.271	0.67	0.67	NM	<0.13	<0.130	40	8.41	<0.0300	NAL	0.579	NAL	ND	
2SR	09-May-07	9:10:00 AM	<0.132	0.042	<0.0257	<0.130	0.762	<0.0220	1.228	1.259	1.2	0.89	<0.39	0.356	NM	<0.39	<0.130	45	6.63	<0.0300	NAL	0.0844	NAL	ND	
2SR	15-Nov-07	10:17:00 AM	<0.132	0.12	<0.0257	<0.130	0.0597	<0.0220	0.5257	0.2657	<0.39	0.16	<0.39	<0.130	NM	<0.39	<0.130	46	5.82	<0.0300	NAL	0.68	NAL	ND	
2SR	08-Apr-08	8:40:00 AM	<0.132	<0.04	<0.0257	0.489	0.737	<0.0220	1.627	1.367	0.94	0.808	<0.39	<0.130	<1.0	<0.39	<0.130	61	8.93	<0.0300	NAL	0.12	NAL	ND	
2SR	19-Nov-08	8:55:00 AM	<0.132	<0.04	<0.020	<0.130	1.17	<0.0220	1.636	1.59	1.5	1.29	<0.39	0.279	<1.0	<0.39	<0.130	60	<1.50	0.053	NAL	<0.0600	NAL	ND	
2SR	17-Apr-09	8:50:00 AM	<0.0400	NA	<0.0257	0.155	1.4	<0.0100	1.895	NA	1.8	1.83	0.27	NA	<1.0	<0.130	NA	110	41	<0.0300	NAL	0.089	NAL	ND	
2SR	03-Nov-09	9:45:00 AM	0.027	NA	0.017	<0.10	0.9	<0.020	1.152	NA	1.1	1	<0.20	NA	<0.50	<0.20	NA	59	22.9	<0.010	NAL	0.02	NAL	ND	
2SR	28-Apr-10	9:10:00 AM	0.015	NA	0.003	0.04	10.8*	<0.004	11.922*	NA	11.2*	10.8*	0.31	NA	<0.50	0.77	NA	220	88	NM	NAL	NM	NAL	ND	
2SR	02-Nov-10	12:35:00 PM	<0.005	NA	<0.005	0.1	4.26	<0.004	4.922*	NA	4.87	4.36	0.46	NA	<0.50	<0.2	NA	208	81.7	0.024	NAL	0.03	NAL	ND	
2SR	26-Apr-11	11:40:00 AM	0.13	NA	<0.005	<0.02	1.34	<0.004	1.632	NA	1.54	1.36	0.18	NA	0.36	<0.2	NA	116	43.7	<0.010	NS	0.03	NAL	ND	
2SR	24-Oct-11	11:10:00 AM	<0.005	NA	<0.005	0.03	0.69	<0.004	1.042	NA	0.9	0.72	0.18	NA	<0.2	0.14	NA	58	20.6	<0.010	<0.003	0.03	NAL	ND	
2SR	12-Mar-12	1:05:00 PM	<0.005	NA	<0.005	<0.02	0.51	<0.004	0.722	NA	<0.71	0.51	<0.2	NA	<0.2	<0.2	NA	92	38.4	<0.010	<0.003	0.03	<0.0005	ND	
2SR	01-Oct-12	9:15:00 AM	<0.005	NA	<0.005	0.03	1.24	<0.004	1.457	NA	<1.44	1.27	<0.17	NA	<0.2	<0.2	NA	35	8.1	<0.01	<0.003	<0.01	<0.0005	ND	
2DR	07-Aug-02	---	---	0.0168	NA	0.0108	0.0592	0.1781	---	---	NA	0.8972	0.2	0.7	NA	NM	---	NA	90	39	<0.1	NAL	8.7	NAL	---
2DR	17-Apr-03	---	---	0.018	NA	0.007	0.046	0.255	---	---	NA	0.368	0.301	0.068	NA	---	---	NA	78	16	<0.02	NAL	---	NAL	---
2DR	14-Oct-03	---	---	0.0142	NA	<0.003	0.04	---	---	---	---	---	0.0906	0.1326	NA	---	---	NA	82	21	<0.02	NAL	---	NAL	---
2DR	24-Mar-04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NA	84	13	<0.02	NAL	---	NAL	---
2DR	25-Apr-06	10:42:00 AM	<0.50	NA	<0.10	<0.20	<0.10	NM	<0.50	NA	0.07	0.07	<0.50	NA	NM	NM	NA	110	24	<0.10	NAL	NM	NAL	ND	
2DR	31-Oct-06	12:40:00 PM	<0.132	0.0591	0.0209	<0.130	0.12	<0.0100	0.995	0.999	0.9	0.346	0.74	0.744	NM	<0.13	<0.130	82	20.2	<0.0300	NAL	4.75	NAL	ND	
2DR	09-May-07	9:50:00 AM	<0.132	0.047	<0.0257	<0.130	0.0594	<0.0220	0.5254	0.5914	0.57	0.2	<0.39	0.391	NM	<0.39	<0.130	31	6.64	<0.0300	NAL	1.84	NAL	ND	
2DR	15-Nov-07	10:57:00 AM	<0.132	0.115	<0.0257	<0.130	0.0532	<0.0220	0.5192	0.2592	<0.39	<0.130	<0.39	<0.130	NM	<0.39	<0.130	260	53.9	<0.0300	NAL	4.58	NAL	ND	
2DR	08-Apr-08	9:20:00 AM	<0.132	<0.04	<0.0257	0.268	0.205	0.0228	0.8858	0.6258	0.51	0.297	<0.39	<0.130	<1.0	<0.39	<0.130	163	83	<0.0300	NAL	12	NAL	ND	
2DR	19-Nov-08	9:37:00 AM	<0.132	<0.04	<0.020	<0.130	<0.0270	0.0364	0.5049	0.4349	<0.39	0.402	<0.39	0.188	<1.0	<0.39	0.132	176	74.8	0.036	NAL	7.34	NAL	ND	
2DR	17-Apr-09	9:40:00 AM	<0.0400	NA	0.0592	0.222	<0.100	<0.0100	0.646	NA	0.53	0.139	0.304	NA	<1.0	<0.130	NA	169	66.6	<0.0300	NAL	18	NAL	ND	
2DR	03-Nov-09	10:40:00 AM	0.157	NA	0.019	0.1	<0.01	<0.004	0.307	NA	0.21	<0.20	<0.20	NA	<0.50	<0.20	NA	116	55.4	0.036	NAL	11.6	NAL	ND	
2DR	28-Apr-10	9:50:00 AM	0.053	NA	0.05	0.19	<0.01	0.15	0.815	NA	0.71	0.34	0.37	NA	0.07	<0.20	NA	380	225	NM	NAL	NM	NAL	ND	
2DR	02-Nov-10	1:25:00 PM	<0.005	NA	<0.005	0.1	0.16	<0.004	0.682	NA	0.58	0.26	0.32	NA	<0.50	<0.2	NA	252	134	0.061	NAL	18.5	NAL	ND	
2DR	26-Apr-11	12:20:00 PM	0.043	NA	<0.005	0.07	0.1	<0.004	0.402	NA	0.3	0.17	0.13	NA	<0.2	<0.2	NA	286	153	0.13	NS	34.4	NAL	ND	
2DR	24-Oct-11	11:50:00 AM	0.011	NA	<0.005	<0.02	0.12	<0.004	0.512	NA	0.12	0.12	<0.20	NA	<0.2	0.28	NA	143	59.2	0.04	<0.003	18.2	NAL	ND	
2DR	12-Mar-12	1:40:00 PM	0.11	NA	<0.005	0.04	0.1	<0.004	0.452	NA	0.31	0.14	0.17	NA	<0.2	0.14	NA	156	51.9	0.06	<0.003	18.2	<0.0005	ND	
2DR	01-Oct-12	9:55:00 AM	0.1	NA	0.008	0.04	0.1	<0.004	0.442	NA	0.32	0.14	0.18	NA	0.01	0.12	NA	183	87.4	0.039	<0.003	12.7	<0.0005	ND	
3S	05-Aug-02	---	---	0.002	NA	0.0018	0.0122	0.306	---	---	NA	0.5508	0.3	0.2	NA	NM	---	NA	50	17	<0.1	<0.025	0.4	<0.001	---
3S	16-Apr-03	---	---	0.021	NA	0.004	0.028	1.59	---	---	NA	2.149	1.619	0.531	NA	---	---	NA	52	11	<0.02	<0.01	---	---	---

**Appendix B Groundwater Quality Monitoring  
Analytical Parameters  
NMP**

3D	05-Aug-02	---	0.0074	NA	0.0068	0.0043	0.2677	---	---	NA	0.6788	0.3	0.4	NA	NM	---	NA	78	42	<0.1	<0.025	<0.05	<0.001	---
3D	16-Apr-03	---	0.161	NA	0.005	0.023	0.644	---	---	NA	1.145	0.666	0.478	NA	---	---	NA	170	99	<0.02	<0.01	---	---	---
3D	16-Oct-03	---	0.0149	NA	0.0051	<0.007	---	---	---	NA	---	0.0092	0.4258	NA	---	---	NA	170	75	<0.02	<0.01	---	---	---
3D	26-Mar-04	---	---	NA	---	---	---	---	---	NA	---	---	---	NA	---	---	NA	320	130	<0.02	<0.01	---	---	---
3D	24-Apr-06	2:15:00 PM	<0.50	NA	<0.10	<0.20	<0.10	NM	<0.50	NA	0.04	0.04	<0.50	NA	NM	NM	NA	82	19	<0.10	<0.10	<0.10	<0.0002	ND
3D	01-Nov-06	11:20:00 AM	<0.132	0.0654	0.00259	0.141	<0.100	<0.0100	0.721	0.724	0.6	0.108	0.46	0.463	NM	<0.13	<0.130	66	8.8	<0.0300	<0.00800	<0.0600	<0.0005	ND
3D	09-May-07	11:20:00 AM	<0.132	<0.0400	<0.0257	0.196	1.32	<0.0220	1.917	1.892	1.8	1.45	<0.39	0.3	NM	<0.39	<0.130	53	7.67	<0.0300	<0.00800	<0.0600	<0.0005	ND
3D	16-Nov-07	9:37:00 AM	<0.132	0.111	0.0273	<0.130	<0.0257	<0.0220	0.47885	<0.21885	<0.39	<0.130	<0.39	<0.130	NM	<0.39	<0.130	71	7.9	<0.0300	<0.0400	<0.0600	<0.0005	ND
3D	08-Apr-08	1:23:00 PM	<0.132	<0.04	<0.0257	0.608	0.241	<0.0220	1.25	0.99	0.45	0.302	<0.39	<0.130	<1.0	<0.39	<0.130	76	10.3	0.03	<0.0400	0.244	<0.0005	ND
3D	20-Nov-08	11:23:00 AM	<0.132	<0.04	<0.020	<0.130	<0.0270	<0.0220	0.4795	0.5195	0.423	<0.130	<0.39	0.365	<1.0	<0.39	<0.130	66	7.89	<0.0300	<0.0400	<0.0600	<0.0005	ND
3D	16-Apr-09	2:47:00 PM	<0.0400	NA	<0.0257	0.283	<0.100	<0.0220	0.474	---	<0.39	0.417	<0.130	NA	<1.0	<0.130	NA	52	<1.50	<0.0300	<0.0400	0.073	<0.0005	Detection
7SR	15-Nov-07	12:12:00 PM	0.164	0.164	<0.0257	<0.130	<0.0257	<0.0220	0.47885	0.51385	0.44	<0.130	<0.39	0.36	NM	<0.39	<0.130	417	124	<0.0300	<0.0400	0.127	<0.0005	ND
7SR	10-May-07	1:35:00 PM	<0.132	<0.0400	<0.0257	<0.130	0.0631	<0.0220	0.7941	0.6661	0.62	0.204	0.46	0.462	NM	<0.39	<0.130	241	137	<0.0300	<0.00800	<0.0600	<0.0005	ND
7SR	09-Apr-08	1:40:00 PM	<0.132	<0.04	<0.0257	<0.130	0.0418	<0.0220	0.5078	0.2478	0.49	<0.130	<0.39	<0.130	<1.0	<0.39	<0.130	232	124	<0.0300	<0.0400	0.061	<0.0005	ND
7SR	17-Nov-08	1:55:00 AM	<0.132	<0.04	<0.020	<0.130	<0.0270	<0.0220	0.4795	0.4675	<0.39	0.182	<0.39	0.313	<1.0	<0.39	<0.130	294	169	<0.0300	<0.00800	<0.0600	<0.0005	ND
7SR	16-Apr-09	1:55:00 PM	<0.0400	NA	<0.0257	0.2	<0.100	<0.0220	0.498	NA	<0.39	<0.130	<0.130	NA	<1.0	0.172	NA	200	93.7	<0.0300	<0.0400	<0.0600	<0.0005	Detection
7SR	02-Nov-09	11:15:00 AM	0.021	NA	0.011	0.23	0.16	<0.004	0.592	NA	0.36	0.35	<0.20	NA	<0.50	<0.20	NA	263	142	<0.010	<0.003	0.01	<0.0005	ND
7SR	27-Apr-10	1:00:00 PM	0.033	NA	0.01	0.052	0.12	<0.004	0.574	NA	0.47	0.17	0.3	NA	<0.50	<0.20	NA	215	113	<0.010	<0.003	0.02	<0.0005	ND
7SR	02-Nov-10	9:20:00 AM	<0.005	NA	<0.005	<0.1	<0.01	<0.004	0.515	NA	0.21	<0.2	0.21	NA	<0.50	0.28	NA	371	182	0.013	<0.003	<0.01	<0.0005	ND
7SR	27-Apr-11	12:00:00 PM	0.063	NA	<0.005	<0.10	0.2	<0.004	0.452	NA	0.4	0.3	0.1	NA	0.3	<0.2	NA	247	133	<0.010	<0.003	0.03	<0.0005	ND
7SR	27-Oct-11	12:30:00 PM	<0.005	NA	<0.005	0.06	0.19	<0.004	0.562	NA	0.25	0.25	<0.20	NA	<0.2	0.21	NA	270	149	<0.010	0.02	0.01	<0.0005	ND
7SR	13-Mar-12	11:10:00 AM	<0.005	NA	<0.005	0.03	0.018	<0.004	0.412	NA	<0.38	0.21	<0.2	NA	<0.2	<0.2	NA	295	170	<0.010	<0.003	0.03	<0.0005	ND
7SR	02-Oct-12	2:20:00 PM	<0.005	NA	<0.005	0.03	0.16	<0.004	0.377	NA	<0.36	0.19	<0.17	NA	<0.2	<0.2	NA	223	128	<0.01	<0.003	<0.01	<0.0005	ND
5S	08-May-07	2:20:00 PM	<0.132	0.0682	<0.0257	0.13	0.364	<0.0220	0.83	0.892	0.84	0.596	<0.39	0.387	NM	<0.39	<0.130	435	260	<0.0300	0.0113	0.601	<0.0005	ND
5S	16-Nov-07	8:42:00 AM	0.328	0.328	0.0889	<0.130	0.9	<0.0220	1.366	1.106	0.99	0.951	<0.39	<0.130	NM	<0.39	<0.130	348	226	<0.0300	<0.0400	6.02	<0.0005	ND
5S	08-Apr-08	11:00:00 AM	1.28	1.28	<0.0257	<0.130	0.616	<0.0220	1.082	0.822	0.94	0.708	<0.39	<0.130	<1.0	<0.39	<0.130	365	208	<0.0300	<0.0400	4.96	<0.0005	ND
5S	19-Nov-08	1:20:00 AM	0.175	0.175	<0.020	<0.130	0.314	<0.0220	0.78	0.711	0.61	0.417	<0.39	0.256	<1.0	<0.39	<0.130	489	88.1	0.07	<0.0400	0.226	<0.0005	ND
5S	15-Apr-09	10:50:00 AM	3.01	NA	0.0273	0.277	0.28	<0.0220	0.698	NA	0.44	0.419	<0.130	NA	<1.0	<0.130	NA	201	14.5	<0.0370	<0.0400	6.85	<0.0005	ND
5S	04-Nov-09	2:05:00 PM	1.12	NA	0.027	<0.10	0.34	<0.004	0.592	NA	0.62	0.44	<0.20	NA	<0.50	<0.20	NA	288	152	0.02	<0.003	4.87	<0.0005	ND
5S	27-Apr-10	1:45:00 PM	0.217	NA	0.01	0.039	0.32	<0.004	0.811	NA	0.6	0.36	0.24	NA	<0.50	0.21	NA	437	232	<0.010	<0.003	1.34	<0.0005	Detection
5S	03-Nov-10	11:10:00 AM	0.23	NA	<0.005	<0.1	0.24	<0.004	0.772	NA	0.66	0.24	0.42	NA	<0.50	<0.2	NA	402	244	0.038	<0.003	14.1	<0.0005	ND
5S	25-Apr-11	1:15:00 PM	0.092	NA	0.007	0.02	0.4	<0.004	0.702	NA	0.6	0.42	0.18	NA	<0.50	<0.20	NA	963	530	0.012	<0.003	0.27	<0.0005	ND
5S	26-Oct-11	12:45:00 PM	0.15	NA	0.015	0.06	0.35	<0.004	0.722	NA	0.41	0.41	<0.20	NA	<0.2	0.21	NA	568	340	<0.010	0.006	0.3	<0.0005	Detection
5S	14-Mar-12	9:30:00 AM	0.011	NA	0.007	0.02	0.4	<0.004	0.622	NA	<0.60	0.42	<0.2	NA	<0.2	<0.2	NA	1232	729	0.011	<0.003	0.04	<0.0005	ND
5S	03-Oct-12	10:25:00 AM	0.042	NA	<0.005	0.06	0.46	<0.020	0.7	NA	<0.66	0.52	<0.14	NA	<0.2	<0.2	NA	954	540	<0.01	<0.003	0.16	<0.0005	Detection
Bradford	06-Aug-02	---	0.0371	NA	0.032	0.0838	0.023	---	---	NA	0.192	0.1	0.1	NA	NM	NM	NA	54	9.8	<0.1	0.07	2.9	<0.001	---
Bradford	17-Apr-03	---	0.032	NA	0.027	0.056	0.02	---	---	NA	0.256	0.076	0.18	NA	---	---	NA	72	9	<0.02	0.081	---	---	---
Bradford	15-Oct-03	---	0.0362	NA	0.0259	0.0227	---	---	---	NA	---	0.0478	<0.001	NA	---	---	NA	82	9	<0.02	0.15	---	---	---
Bradford	26-Mar-04	---	---	NA	---	---	---	---	---	NA	---	---	---	NA	---	---	NA	58	10	<0.02	0.028	---	---	---
Bradford	24-Apr-06	2:55:00 PM	<0.50	NA	<0.10	<0.20	<0.10	NM	<0.50	NA	0.08	0.08	<0.50	NA	NM	NM	NA	56	8.7	<0.10	<0.10	<0.10	<0.0002	ND
Bradford	01-Nov-06	9:00:00 AM	<0.132	<0.0400	0.0238	<0.130	<0.100	<0.0100	0.775	0.775	0.66	0.129	0.59	0.59	NM	<0.13	<0.130	61	<1.50	<0.0300	0.0305	3.28	<0.0005	NM
Bradford	10-May-07	9:00:00 AM	<0.132	<0.0400	<0.0257	<0.130	0.0835	<0.0220	0.8545	0.7225	0.69	0.218	0.5	0.498	NA	<0.39	<0.130	33	10.2	<0.0300	0.0094	0.134	<0.0005	ND
Bradford	15-Nov-07	1:30:00 PM	<0.132	0.115	<0.0257	<0.130	0.932	<0.0220	1.398	1.138	1.1	1.51	<0.39	<0.130	NA	<0.39	<0.130	31	9.52	<0.0300	<0.0400	0.658	<0.0005	ND
Bradford	08-Apr-08	2:05:00 PM	<0.132	<0.04	<0.0257	0.251	0.331	<0.0220	0.983	0.723	0.65	0.414	<0.39	<0.130	<1.0	<0.39	<0.130	67	12	<0.0300	<0.0400	0.793	<0.0005	ND
Bradford	20-Nov-08	8:00:00 AM	0.259	0.259	<0.020	<0.130	0.0273	<0.0220	3.1983	3.1943	<0.393	<0.130	<0.39	0.211	<1.0	2.9	2.88	43	9.61	<0.0300	<0.0400	2.24	<0.0005	ND
Bradford	17-Apr-09	8:30:00 AM	<0.0400	NA	<0.0257	0.216	<0.100	<0.0100	0.522	NA	0.4	<0.130	0.186	NA	<1.0	<0.130	NA	38	8.45	<0.0300	<0.0400	<0.0600	<0.0005	ND
Bradford	04-Nov-09	Well Under Construction																						
Bradford	27-Apr-10	Well Under Construction																						
Bradford	03-Nov-10	1:20:00 PM	<0.005	NA	<0.005	<0.1	0.1	<0.004	0.842	NA	0.73	<0.2	0.63	NA	<0.50	<0.2	NA	51	11.5	<0.01	0.028	1.66	<0.0005	ND
Bradford	27-Apr-11	8:00:00 AM	0.056	NA	0.01	<0.10	0.16	<0.004	0.412	NA	0.36	0.26	0.1	NA	<0.2	<0.2	NA	47	12.3	0.013	0.015	1.53	<0.0005	ND
Bradford	26-Oct-11	7:45:00 AM	<0.005	NA	<0.005	0.13	0.13	<0.004	0.412	NA	0.34	0.26	0.08	NA	0.1	0.07	NA	32	11.6	<0.010	0.012	1.29	<0.0005	ND

Appendix B Groundwater Quality Monitoring  
Field Parameters  
NMP

Station ID	Date	Time	Temperature (C)	Specific Conductivity (us/cm)	% Saturated DO	Dissolved Oxygen (mg/L)	pH (SU)	Turbidity (NTU)	Water level (ft)
A13	24-Apr-06	10:22:00 AM	12.69	859	10.01	1.06	4.73	1	18.8
A13	31-Oct-06	10:40:00 AM	13.33	868	5.7	0.59	4.45	E-failure	18.84
A13	08-May-07	10:00:00 AM	13.75	316	12	1.21	4.52	0	18
A13	14-Nov-07	12:10:00 PM	13.01	270	14	1.49	4.86	0	20.41
A13	07-Apr-08	11:25:00 AM	13.1	331	16.5	1.73	4.68	E-failure	18.94
A13	17-Nov-08	11:30:00 AM	12.88	236	11.4	1.2	4.89	E-failure	19.42
A13	02-Nov-09	1:15:00 PM	14.09	224	15.3	1.56	4.58	E-failure	18.2
A13	14-Apr-09	12:20:00 PM	13.26	154	18.7	1.97	5.08	E-failure	18.16
A13	26-Apr-10	10:50:00 AM	13.21	E-failure	8	0.85	4.43	NA	15.69
A13	03-Nov-10	10:10:00 AM	12.76	660	6.6	0.7	5.02	E-failure	19.13
A13	25-Apr-11	10:10:00 AM	13.25	0.48	4.6	258	5.03	0	18.58
A13	24-Oct-11	10:10:00 AM	13.46	8.2	0.86	646	4.65	0.1	19.04
A13	14-Mar-12	11:15:00 AM	13.25	1.23	11.8	934	4.92	E-failure	19.52
A13	02-Oct-12	9:40:00 AM	13.69	0.44	4.2	959	4.89	0	20.94
A15	26-Apr-06	9:50:00 AM	11.33	177	64.1	7.01	5.76	0	51.1
A15	10-May-07	11:10:00 AM	11.45	138	71.7	7.76	5.44	28.5	51.46
A15	16-Nov-07	11:55:00 AM	11.77	160	79.4	8.6	5.7	0	54.2
A15	01-Nov-06	1:45:00 PM	11.56	131	59.8	6.51	5.76	E-failure	52.4
A15	09-Apr-08	11:25:00 AM	11.88	157	91.9	9.88	5.58	E-failure	52.87
A15	20-Nov-08	10:20:00 AM	10.58	195	62.6	6.96	5.83	E-failure	54.3
A15	17-Apr-09	11:45:00 AM	11.75	100	65.4	7.08	5.89	E-failure	51.18
A15	04-Nov-09	1:05:00 PM	12	99	62.9	6.78	5.48	E-failure	52.29
A15	27-Apr-10	11:00:00 AM	12.03	99	65.7	7.08	6.06	E-failure	47.02
A15	01-Nov-10	1:30:00 PM	11.7	114	67.9	7.36	5.68	E-failure	53.04
A15	26-Apr-11	10:05:00 AM	11.93	7.18	66.6	128	5.96	0	52.72
A15	25-Oct-11	10:45:00 AM	12.39	7.73	72.4	220	5.69	0	53.66
A15	13-Mar-12	1:40:00 PM	11.09	7.48	68.1	285	5.76	E-failure	52.64
A15	01-Oct-12	2:10:00 PM	11.74	7.3	67.4	228	5.81	0.1	54.75
A17	24-Apr-06	12:03:00 PM	12.43	119	61.5	6.56	5.42	0	23.21
A17	31-Oct-06	2:17:00 PM	13.28	85	41.4	4.33	5.29	E-failure	23.37
A17	08-May-07	11:45:00 AM	13.1	96	51.8	5.42	4.75	4.8	22.6
A17	14-Nov-07	10:55:00 AM	13.28	129	49.9	5.22	5.28	2.9	24.46
A17	07-Apr-08	1:45:00 PM	12.31	98	68.3	7.31	5.25	E-failure	23.36
A17	18-Nov-08	12:45:00 PM	12.43	64	60.8	6.48	5.43	E-failure	23.92
A17	04-Nov-09	10:20:00 AM	13.39	72	61.4	6.42	4.89	E-failure	23.1
A17	15-Apr-09	2:05:00 PM	12.81	117	66.1	7	5.33	E-failure	22.23
A17	26-Apr-10	1:30:00 PM	12.69	E-failure	54	5.73	5.15	NA	20.85
A17	01-Nov-10	10:35:00 AM	12.28	82	47.7	5.11	5.18	E-failure	23.69
A17	27-Apr-11	10:20:00 AM	13.16	5.69	54.2	92	5.69	0	23.2
A17	25-Oct-11	11:20:00 AM	12.57	4.12	38.8	110	5.08	0	23.49
A17	12-Mar-12	10:45:00 AM	12.58	4.49	42.3	189	5.27	E-failure	23.73
A17	02-Oct-12	12:20:00 PM	13.57	3.04	29.2	124	5.2	0.5	24.95
A21	01-Nov-06	12:30:00 PM	18.09	95	1.3	0.12	5.89	E-failure	18.55
A21	09-May-07	1:30:00 PM	E-failure	E-failure	E-failure	E-failure	E-failure	E-failure	16.94
A21	14-Nov-07	2:20:00 PM	18.1	95	1	0.1	6.11	0	18.14
A21	26-Apr-06	11:10:00 AM	7.75	105	27.1	3.39	6.03	1.8	18.79
A21	09-Apr-08	2:27:00 PM	9.05	82	3.1	0.36	5.71	E-failure	19.3
A21	19-Nov-08	11:18:00 AM	17.63	66	1.3	0.12	6.02	E-failure	20.64
A21A	15-Apr-09	9:37:00 AM	11.91	11	0.6	0.06	6.13	E-failure	16.68
A21A	03-Nov-09	12:20:00 PM	18.16	84	0.8	0.08	5.66	E-failure	20.01
A21A	28-Apr-10	11:05:00 AM	7.97	70	1.4	0.16	6.39	NA	16.38
A21A	03-Nov-10	12:15:00 PM	18.12	73	2	0.19	6.08	E-failure	16.4
A21-A	26-Apr-11	1:35:00 PM	7.35	0.5	4.1	66	6.28	0	16.06
A21-A	24-Oct-11	1:40:00 PM	19.08	0.24	2.6	69	5.98	0	16.43
A21-A	13-Mar-12	2:35:00 PM	9.07	0.14	1.2	128	6.09	E-failure	16.39
A21-A	01-Oct-12	11:35:00 AM	19.1	0.2	2.2	92	6.1	0.4	16.58



Appendix B Groundwater Quality Monitoring  
Water Level Survey  
NMP

Loc ID	Date	Water Level (ft) FTOC	Total Depth (ft) FTOC	Comments
A21	21-Feb-06	17.6	31.72	
473	21-Feb-06	11.2	23.82	Measurement from inner rise pipe
A13	21-Feb-06	17.68	54.14	
472	21-Feb-06	9.4	107.31	Measurement from inner rise pipe
7SR	21-Feb-06	16.6	30.11	
5S	21-Feb-06	62.51	72.45	
3D	21-Feb-06	3.36	31.6	
3S	21-Feb-06	3.9	9.95	
2SR	21-Feb-06	4.83	11.7	
A15	21-Feb-06	50.38	72.05	
2DR	21-Feb-06	4.85	32.9	
A13	31-Oct-06	18.79	54.17	
2SR	31-Oct-06	5.1	11.7	
2DR	31-Oct-06	5.14	32.9	
A17	31-Oct-06	23.35	105.98	
A15	01-Nov-06	52.14	71.9	
3S	01-Nov-06	4.35	9.91	
3S	01-Nov-06	3.95	31.6	
A21	01-Nov-06	18.1	31.72	
7SR	07-May-07	17.18	30.11	
A13	07-May-07	18	55.15	
473	07-May-07	11.45	23.82	Measurement from inner rise pipe
5S	07-May-07	63.55	72.45	
3D	07-May-07	3.48	31.6	
3S	07-May-07	4.03	4.6	*Well has been damaged! PVC pipe bent at 4.60ft
2DR	07-May-07	4.95	32.9	
2SR	07-May-07	4.9	11.7	
A21	07-May-07	16.95	31.72	
A17	07-May-07	22.58	108.04	
A15	07-May-07	51.63	72.04	
472	07-May-07	9.63	107	Measurement from inner rise pipe
2DR	13-Nov-07	6.3	32.9	
3S	13-Nov-07	4.5	4.6	*Well has been damaged! PVC pipe bent at 4.60ft
A13	13-Nov-07	20.4	55.15	
473	13-Nov-07	13.85	23.82	Measurement from inner rise pipe
472	13-Nov-07	11.8	107	Measurement from inner rise pipe
5S	13-Nov-07	65.3	72.45	
3D	13-Nov-07	4.35	31.6	
A15	13-Nov-07	54.08	72.04	
7SR	13-Nov-07	20	30.11	
2SR	13-Nov-07	6.24	11.7	
A17	13-Nov-07	24.45	108.04	
A21	13-Nov-07	18.15	31.72	
2SR	04-Apr-08	5.44	11.7	
5S	04-Apr-08	64.74	72.45	
A15	04-Apr-08	53.05	72.04	
7SR	04-Apr-08	18.33	30.11	
3D	04-Apr-08	4.15	31.6	
3S	04-Apr-08	4.45	4.6	Bent, obstructed
A21	04-Apr-08	17.79	31.72	
A13	04-Apr-08	18.98	55.15	
2DR	04-Apr-08	5.48	32.9	
473	04-Apr-08	12.51	23.82	Measurement from inner rise pipe
472	04-Apr-08	12.6	107	Measurement from inner rise pipe
A17	04-Apr-08	23.36	108.04	
473	17-Nov-08	13.6	23.82	Measurement from inner rise pipe
5S	17-Nov-08	65.61	72.45	

Appendix B Groundwater Quality Monitoring  
Water Level Survey  
NMP

Loc ID	Date	Water Level (ft) FTOC	Total Depth (ft) FTOC	Comments
472	17-Nov-08	11.78	107.31	Measurement from inner rise pipe
A13	17-Nov-08	19.42	54.14	
2DR	17-Nov-08	6.39	32.9	
A17	17-Nov-08	23.9	108.04	
A21	17-Nov-08	20.1	31.72	
3S	17-Nov-08	4.52	9.95	Bent obstructed
A15	17-Nov-08	54.28	72.05	
7SR	17-Nov-08	19.43	30.11	
2SR	17-Nov-08	5.94	11.7	
2SR	14-Apr-09	5.58	11.7	
2DR	14-Apr-09	5.99	32.9	
A17	14-Apr-09	23.25	108.04	
A13	14-Apr-09	18.16	55.15	
5S	14-Apr-09	64.15	72.45	
473	14-Apr-09	12.24	23.82	Measurement from inner rise pipe
7SR	14-Apr-09	17.89	30.11	
A21	14-Apr-09	NA	NA	Damaged PVC
A15	14-Apr-09	51.3	71.43	
3S	14-Apr-09	4.6	NA	Bent, obstructed
472	14-Apr-09	10.45	107	Measurement from inner rise pipe
A21-A	02-Nov-09	20.53	32.69	Dam reconstruction, 4ft of pvc above ground
473	02-Nov-09	12.26	23.82	Measurement from inner rise pipe
472	02-Nov-09	10.45	107	Measurement from inner rise pipe
7SR	02-Nov-09	18.25	30.11	
5S	02-Nov-09	64.42	72.45	
2DR	02-Nov-09	5.91	32.9	
2SR	02-Nov-09	5.49	11.7	
A17	02-Nov-09	23.09	108.04	
A13	02-Nov-09	18.2	54.14	
A15	02-Nov-09	52.28	72.04	
473	04-Nov-09	12.26	23.82	
A17	04-Nov-09	23.09	108.04	
2SR	04-Nov-09	5.49	11.7	
2DR	04-Nov-09	5.91	32.9	
A21	04-Nov-09	20.53	32.69	Dam reconstructed for fishway, 4ft of pvc above gr
5S	04-Nov-09	64.42	72.45	
A15	04-Nov-09	52.28	72.04	
7SR	04-Nov-09	18.25	30.11	
472	04-Nov-09	10.45	107	
A13	04-Nov-09	18.2	54.14	
7SR	14-Apr-10	14.42	30.11	
A15	14-Apr-10	47.72	71.43	
5S	14-Apr-10	61.31	72.45	
A21-A	14-Apr-10	16	28.38	Labeled A21-A to decipher difference in total depth
472	14-Apr-10	7.41	107	Measurement from inner rise pipe
A13	14-Apr-10	15.48	55.15	
A17	14-Apr-10	20.82	108.04	

Appendix B Groundwater Quality Monitoring  
Water Level Survey  
NMP

Loc ID	Date	Water Level (ft) FTOC	Total Depth (ft) FTOC	Comments
2DR	14-Apr-10	5.6	32.9	
2SR	14-Apr-10	5	11.7	
A17	26-Oct-10	23.55	108.05	
A13	26-Oct-10	18.88	54.14	
A19	26-Oct-10	67.4	131.3	New NMP location to replace 3S/3D
2SR	26-Oct-10	5.79	11.7	
2DR	26-Oct-10	6.25	32.9	
473	26-Oct-10	12.63	23.82	Measurement from inner rise pipe
472	26-Oct-10	10.96	107	Measurement from inner rise pipe
A21-A	26-Oct-10	17.4	28.2	
5S	26-Oct-10	64.31	72.45	
A15	26-Oct-10	52.91	71.43	
7SR	26-Oct-10	18.81	30.11	
2SR	20-Apr-11	5.58	11.7	
5S	20-Apr-11	64.61	72.45	
A19	20-Apr-11	67.03	131.3	
A17	20-Apr-11	23.2	108.05	
A13	20-Apr-11	18.58	54.14	
2DR	20-Apr-11	5.99	32.9	
472	20-Apr-11	10.41	107	Measurement from inner rise pipe
A21-A	20-Apr-11	16.11	28	Measurement at top of PVC
A15	20-Apr-11	52.4	71.43	
473	20-Apr-11	11.98	23.82	Measurement from inner rise pipe
7SR	20-Apr-11	18.36	30.11	
A17	21-Oct-11	23.68	105.33	
5S	21-Oct-11	65.28	75.53	
A15	21-Oct-11	53.66	71.27	
7SR	21-Oct-11	19.21	30.05	
473	21-Oct-11	12.98	23.82	Measurement from inner rise pipe
472	21-Oct-11	11.36	107.3	Measurement from inner rise pipe
A19	21-Oct-11	67.54	131.34	
2SR	21-Oct-11	5.36	11.7	
2DR	21-Oct-11	5.79	32.9	
A21-A	21-Oct-11	16.2	28	Measurement at top of PVC
A13	21-Oct-11	19.3	54.1	
A15	08-Mar-12	52.6	72.05	
5S	08-Mar-12	64.54	75.53	
A21-A	08-Mar-12	16.6	28.2	AT TOP OF GROUND, NO PVC DUE TO MOWER
473	08-Mar-12	12.83	23.82	Measurement from inner rise pipe
472	08-Mar-12	11.08	107.3	Measurement from inner rise pipe
2DR	08-Mar-12	6.38	32.9	
2SR	08-Mar-12	5.9	11.7	
A17	08-Mar-12	23.65	105.98	
A19	08-Mar-12	67.3	131.34	
7SR	08-Mar-12	18.83	30.05	
A13	08-Mar-12	19.42	54.1	
2SR	06-Nov-12	6.27	11.7	
7SR	06-Nov-12	21.09	30.05	
A15	06-Nov-12	55.23	72.05	
5S	06-Nov-12	66.6	75.53	
A21-A	06-Nov-12	16.93	28.2	AT TOP OF GROUND, NO PVC DUE TO MOWER
A13	06-Nov-12	21.45	54.1	
A19	06-Nov-12	68.5	131.34	
2DR	06-Nov-12	7.72	32.96	
473	06-Nov-12	14.51	23.82	Measurement from inner rise pipe
472	06-Nov-12	12.65	107.3	Measurement from inner rise pipe
A17	06-Nov-12	25.28	105.98	

Appendix B Groundwater Quality Monitoring  
Analytical Parameters  
Inner/Outer Wells

Loc ID	Date	Alkalinity (CaCO3)	Total Nitrogen (TN)	Nitrate (NO3)	Nitrite (NO2)	TKN	Total Phosphorus (TP)	Orthophosphate (PO4)	Sodium (Na)	Chlorides (CL)	Copper (Cu)	Boron (B)	VOC
A8	13-Jan-06	---	---	---	---	---	0.029	<0.1	---	---	---	---	---
A8	22-Feb-06	19	1.4	1.3	<0.02	NA	0.029	<0.1	130	130	0.94	4.8	ND
A8	28-Mar-06	---	---	---	---	---	0.028	<0.1	---	---	---	---	---
A8	26-Apr-06	---	---	---	---	---	0.027	<0.1	---	---	---	---	---
A8	30-May-06	11	1.1	1.1	<0.02	---	0.023	<0.1	50	48	<0.025	<0.1	ND
A8	21-Jun-06	---	---	---	---	---	0.015	<0.1	---	---	---	---	---
A8	26-Jul-06	---	---	---	---	---	0.014	<0.1	---	---	---	---	---
A8	30-Aug-06	39	3.51	2.9	<0.02	0.6	0.052	<0.1	130	180	<0.025	0.1	ND
A8	21-Sep-06	---	---	---	---	---	0.023	<0.1	---	---	---	---	---
A8	25-Oct-06	---	---	---	---	---	0.024	<0.1	---	---	---	---	---
A8	15-Nov-06	12	3.36	3.1	<0.02	<0.5	0.014	<0.1	130	190	<0.025	<0.1	ND
A8	18-Dec-06	---	---	---	---	---	0.016	<0.1	---	---	---	---	---
A8	01-Jan-07	---	---	---	---	---	0.015	<0.1	---	---	---	---	---
A8	20-Feb-07	11	1.66	1.4	<0.02	<0.5	0.021	<0.1	53	50	<0.025	0.1	ND
A8	01-Mar-07	---	---	---	---	---	0.19	<0.1	---	---	---	---	---
A8	01-Apr-07	---	---	---	---	---	0.017	<0.1	---	---	---	---	---
A8	22-May-07	7	1.66	1.4	<0.02	<0.5	0.016	<0.1	19	13	<0.005	<0.1	ND
A8	14-Jun-07	---	---	---	---	---	0.015	0.1	---	---	---	---	---
A8	11-Jul-07	---	---	---	---	---	0.018	<0.1	---	---	---	---	---
A8	21-Aug-07	8	1.86	1.6	<0.02	<0.5	0.013	<0.1	46	63	<0.025	<0.10	ND
A8	24-Sep-07	---	---	---	---	---	0.045	<0.1	---	---	---	---	---
A8	17-Oct-07	---	---	---	---	---	0.041	<0.1	---	---	---	---	---
A8	14-Nov-07	22	1.66	1.4	<0.02	<0.5	0.024	<0.1	86	110	<0.025	<0.1	ND
A8	21-Dec-07	---	---	---	---	---	0.038	<0.1	---	---	---	---	---
A8	08-Jan-08	---	---	---	---	---	0.019	<0.1	---	---	---	---	---
A8	20-Feb-08	12	2.01	1.5	<0.02	0.5	0.019	0.013	37	41	<0.025	<0.1	ND
A8	25-Mar-08	---	---	---	---	---	0.02	<0.1	---	---	---	---	---
A8	14-May-08	23	2.36	2.1	<0.02	<0.5	0.016	<0.1	90	130	<0.025	<0.1	ND
A8	19-Jun-08	---	---	---	---	---	0.028	<0.1	---	---	---	---	---
A8	25-Jul-08	---	---	---	---	---	0.44	0.5	---	---	---	---	---
A8	21-Aug-08	82	4.11	2.9	<0.02	1.2	0.95	1.1	230	410	<0.025	0.3	ND
A8	16-Sep-08	---	---	---	---	---	1.4	1.6	---	---	---	---	---
A8	24-Oct-08	---	---	---	---	---	2	2.5	---	---	---	---	---
A8	13-Nov-08	70	4.13	3.1	<0.06	1	1.6	2.9	160	280	<0.025	0.2	ND
A8	16-Dec-08	---	---	---	---	---	1.1	2.4	---	---	---	---	---
A8	22-Jan-09	---	---	---	---	---	3.1	3.9	---	---	---	---	---
A8	11-Feb-09	80	2.46	2.2	<0.02	<0.5	2.6	<0.1	120	180	<0.0025	0.2	ND
A8	23-Mar-09	---	---	---	---	---	1.1	1.3	---	---	---	---	---
A8	21-Apr-09	---	---	---	---	---	1.2	1.2	---	---	---	---	---
A8	21-May-09	28	0.5	0.24	<0.02	<0.5	1.1	1.1	120	12	<0.025	0.1	ND
A8	16-Jun-09	---	---	---	---	---	1.5	0.8	---	---	---	---	---
A8	29-Jul-09	---	---	---	---	---	0.19	<0.1	---	---	---	---	---
A8	28-Aug-09	37	2.36	2.1	<0.02	<0.5	0.19	<0.1	140	NA	<0.025	0.2	ND

Appendix B Groundwater Quality Monitoring  
Analytical Parameters  
Inner/Outer Wells

Loc ID	Date	Alkalinity (CaCO3)	Total Nitrogen (TN)	Nitrate (NO3)	Nitrite (NO2)	TKN	Total Phosphorus (TP)	Orthophosphate (PO4)	Sodium (Na)	Chlorides (CL)	Copper (Cu)	Boron (B)	VOC
A8	28-Sep-09	---	---	---	---	---	0.066	<0.1	---	---	---	---	---
A8	21-Oct-09	---	---	---	---	---	0.063	<0.1	---	---	---	---	---
A8	10-Nov-09	70	5.61	4.7	<0.02	0.9	0.07	<0.1	150	310	<0.025	0.2	ND
A8	08-Dec-09	---	---	---	---	---	0.084	<0.1	---	---	---	---	---
A8	28-Jan-10	---	---	---	---	---	0.054	<0.1	---	---	---	---	---
A8	11-Feb-10	---	---	---	---	---	2.6	1.9	---	---	---	---	---
A8	23-Feb-10	48	4.96	4.7	<0.02	<0.5	0.048	<0.1	150	330	<0.025	0.2	ND
A8	09-Mar-10	---	---	---	---	---	0.055	<0.1	---	---	---	---	---
A8	22-Apr-10	---	---	---	---	---	0.049	<0.1	---	---	---	---	---
A8	24-May-10	28	4.66	4.1	0.06	0.5	0.017	<0.1	150	280	<0.025	0.1	ND
A8	23-Jun-10	---	---	---	---	---	0.042	<0.1	---	---	---	---	---
A8	14-Jul-10	---	---	---	---	---	0.047	<0.1	---	---	---	---	---
A8	26-Aug-10	38	4.21	3.9	0.06	<0.5	0.045	<0.1	160	340	<0.025	<0.1	ND
A8	21-Sep-10	---	---	---	---	---	0.034	<0.1	---	---	---	---	---
A8	18-Oct-10	---	---	---	---	---	0.04	<0.1	---	---	---	---	---
A8	15-Nov-10	41	3.56	3.3	<0.02	<0.5	0.043	<0.1	240	360	<0.025	0.1	Detection
A8	14-Dec-10	---	---	---	---	---	0.042	<0.1	---	---	---	---	---
A8	11-Jan-11	---	---	---	---	---	0.04	<0.1	---	---	---	---	---
A8	17-Feb-11	34	5.06	4.8	<0.02	<0.5	0.048	<0.1	190	390	<0.025	0.3	ND
A8	21-Mar-11	---	---	---	---	---	0.056	<0.1	---	---	---	---	---
A8	29-Apr-11	---	---	---	---	---	0.072	<0.1	---	---	---	---	---
A8	23-May-11	45	4.16	3.9	<0.02	<0.5	0.23	0.2	260	450	<0.025	0.3	ND
A8	21-Jun-11	---	---	---	---	---	0.53	0.5	---	---	---	---	---
A8	19-Jul-11	---	---	---	---	---	0.59	0.7	---	---	---	---	---
A8	03-Aug-11	62	5.01	4.5	<0.02	---	0.46	0.6	250	410	<0.025	0.25	ND
A8	15-Sep-11	---	---	---	---	---	0.69	0.67	---	---	---	---	---
A8	28-Oct-11	---	---	---	---	---	0.61	0.45	---	---	---	---	---
A8	08-Nov-11	54.5	5.72	5.62	<0.004	<0.2	0.68	0.61	286	570	0.009	0.25	DETECTION
A8	12-Dec-11	---	---	---	---	---	0.5	0.34	---	---	---	---	---
A8	10-Jan-12	---	---	---	---	---	0.97	0.66	---	---	---	---	---
A8	14-Feb-12	59.5	5.32	5.01	<0.020	<0.6	0.44	0.37	247	465	0.004	0.19	DETECTION
A8	20-Mar-12	---	---	---	---	---	0.21	<0.05	---	---	---	---	---
A8	26-Apr-12	---	---	---	---	---	0.34	0.32	---	---	---	---	---
A8	14-May-12	74	4.855	4.6	<0.01	<0.50	0.92	0.73	280	470	<0.010	0.1	DETECTION
A8	20-Jun-12	---	---	---	---	---	1.5	1.3	---	---	---	---	---
A8	12-Jul-12	---	---	---	---	---	1.6	1.6	---	---	---	---	---
A8	14-Aug-12	98	4.755	4.5	<0.01	<0.50	1.7	1.5	NS	490	0.011	0.2	DETECTION
A8	26-Sep-12	---	---	---	---	---	1.7	1.6	---	---	---	---	---
A8	30-Oct-12	---	---	---	---	---	1.9	1.8	---	---	---	---	---
A8	28-Nov-12	73	5.355	5.1	<0.01	<0.50	2	1.7	320	550	<0.010	0.2	DETECTION
A8	13-Dec-12	---	---	---	---	---	1.8	1.5	---	---	---	---	---
A9	13-Jan-06	---	---	---	---	---	0.014	<0.1	---	---	---	---	---
A9	22-Feb-06	<2.0	1.6	1.7	<0.02	---	0.014	<0.1	22	49	<0.025	0.2	ND

Appendix B Groundwater Quality Monitoring  
Analytical Parameters  
Inner/Outer Wells

Loc ID	Date	Alkalinity (CaCO3)	Total Nitrogen (TN)	Nitrate (NO3)	Nitrite (NO2)	TKN	Total Phosphorus (TP)	Orthophosphate (PO4)	Sodium (Na)	Chlorides (CL)	Copper (Cu)	Boron (B)	VOC
A9	28-Mar-06	---	---	---	---	---	0.011	<0.1	---	---	---	---	---
A9	26-Apr-06	---	---	---	---	---	0.015	<0.1	---	---	---	---	---
A9	30-May-06	5	1.3	1.3	<0.02	---	0.017	<0.1	15	33	<0.025	<0.1	ND
A9	20-Jun-06	---	---	---	---	---	0.016	<0.1	---	---	---	---	---
A9	07-Jul-06	---	---	---	---	---	0.013	<0.1	---	---	---	---	---
A9	30-Aug-06	18	2.06	1.8	<0.02	<0.5	0.016	<0.1	19	39	<0.025	<0.1	ND
A9	21-Sep-06	---	---	---	---	---	0.014	<0.1	---	---	---	---	---
A9	25-Oct-06	---	---	---	---	---	0.016	<0.1	---	---	---	---	---
A9	15-Nov-06	6	1.26	1	<0.02	<0.5	0.011	<0.1	24	38	<0.025	<0.1	ND
A9	18-Dec-06	---	---	---	---	---	0.014	<0.1	---	---	---	---	---
A9	01-Jan-07	---	---	---	---	---	0.015	<0.1	---	---	---	---	---
A9	20-Feb-07	4	1.66	1.4	<0.02	<0.5	0.013	<0.1	24	46	<0.025	<0.10	ND
A9	01-Mar-07	---	---	---	---	---	0.022	0.2	---	---	---	---	---
A9	01-Apr-07	---	---	---	---	---	0.017	<0.1	---	---	---	---	---
A9	22-May-07	5	2.17	1.9	0.02	<0.5	0.014	<0.1	34	92	<0.025	<0.1	ND
A9	14-Jun-07	---	---	---	---	---	0.014	<0.1	---	---	---	---	---
A9	11-Jul-07	---	---	---	---	---	0.017	<0.1	---	---	---	---	---
A9	21-Aug-07	4	2.56	2.3	<0.02	<0.5	0.012	<0.1	43	110	<0.025	<0.10	ND
A9	25-Sep-07	---	---	---	---	---	0.033	<0.1	---	---	---	---	---
A9	16-Oct-07	---	---	---	---	---	0.036	<0.1	---	---	---	---	---
A9	14-Nov-07	7	2.76	2.5	<0.02	<0.5	0.02	<0.1	36	110	<0.025	<0.1	ND
A9	21-Dec-07	---	---	---	---	---	0.018	<0.1	---	---	---	---	---
A9	08-Jan-08	---	---	---	---	---	0.02	<0.1	---	---	---	---	---
A9	20-Feb-08	10	2.26	2	<0.02	<0.5	0.016	0.029	32	95	<0.025	<0.1	ND
A9	25-Mar-08	---	---	---	---	---	0.02	<0.1	---	---	---	---	---
A9	23-Apr-08	---	---	---	---	---	0.016	<0.1	---	---	---	---	---
A9	14-May-08	5	2.46	2.2	<0.02	<0.5	0.017	<0.1	66	150	<0.025	0.1	ND
A9	18-Jun-08	---	---	---	---	---	0.016	<0.1	---	---	---	---	---
A9	24-Jul-08	---	---	---	---	---	0.012	<0.1	---	---	---	---	---
A9	21-Aug-08	4	2.56	2.3	<0.02	<0.5	0.023	<0.1	71	150	<0.025	<0.1	Detection
A9	18-Sep-08	---	---	---	---	---	0.019	<0.1	---	---	---	---	---
A9	23-Oct-08	---	---	---	---	---	0.02	<0.1	---	---	---	---	---
A9	13-Nov-08	10	2.68	2.4	<0.06	<0.5	0.018	<0.1	88	230	<0.025	0.1	Detection
A9	16-Dec-08	---	---	---	---	---	0.013	<0.1	---	---	---	---	---
A9	22-Jan-09	---	---	---	---	---	0.025	<0.1	---	---	---	---	---
A9	10-Feb-09	6	2.86	2.6	<0.02	<0.5	0.024	<0.1	100	230	<0.025	<0.1	Detection
A9	23-Mar-09	---	---	---	---	---	0.018	<0.1	---	---	---	---	---
A9	21-Apr-09	---	---	---	---	---	0.019	<0.1	---	---	---	---	---
A9	21-May-09	<2.0	2.96	2.7	<0.02	<0.5	0.016	<0.1	110	200	<0.025	<0.1	Detection
A9	21-Jun-09	---	---	---	---	---	0.028	<0.1	---	---	---	---	---
A9	28-Jul-09	---	---	---	---	---	0.02	<0.1	---	---	---	---	---
A9	28-Aug-09	10	3.26	3	<0.02	<0.5	0.024	<0.1	100	NA	<0.025	0.1	ND
A9	28-Sep-09	---	---	---	---	---	0.017	<0.1	---	---	---	---	---

Appendix B Groundwater Quality Monitoring  
Analytical Parameters  
Inner/Outer Wells

Loc ID	Date	Alkalinity (CaCO3)	Total Nitrogen (TN)	Nitrate (NO3)	Nitrite (NO2)	TKN	Total Phosphorus (TP)	Orthophosphate (PO4)	Sodium (Na)	Chlorides (CL)	Copper (Cu)	Boron (B)	VOC
A9	20-Oct-09	---	---	---	---	---	0.016	<0.1	---	---	---	---	---
A9	10-Nov-09	10	4.31	3.7	<0.02	0.6	0.02	<0.1	100	230	<0.025	<0.1	ND
A9	08-Dec-09	---	---	---	---	---	0.033	<0.1	---	---	---	---	---
A9	28-Jan-10	---	---	---	---	---	0.015	<0.1	---	---	---	---	---
A9	10-Feb-10	<2	3.86	3.6	<0.02	<0.5	0.027	<0.1	120	200	<0.025	0.2	ND
A9	09-Mar-10	---	---	---	---	---	0.025	<0.1	---	---	---	---	---
A9	29-Apr-10	---	---	---	---	---	0.01	<0.1	---	---	---	---	---
A9	24-May-10	12	3.36	3.1	<0.02	<0.5	0.021	<0.1	100	220	<0.025	<0.1	ND
A9	23-Jun-10	---	---	---	---	---	0.015	<0.1	---	---	---	---	---
A9	20-Jul-10	---	---	---	---	---	0.008	<0.1	---	---	---	---	---
A9	26-Aug-10	8	4.46	4.2	<0.02	<0.5	0.02	<0.1	120	220	<0.025	<0.1	ND
A9	21-Sep-10	---	---	---	---	---	0.007	<0.1	---	---	---	---	---
A9	18-Oct-10	---	---	---	---	---	0.016	<0.1	---	---	---	---	---
A9	15-Nov-10	8	4.56	4.3	<0.02	<0.5	0.016	<0.1	120	240	<0.025	<0.1	ND
A9	14-Dec-10	---	---	---	---	---	0.006	<0.1	---	---	---	---	---
A9	11-Jan-11	---	---	---	---	---	0.056	<0.1	---	---	---	---	---
A9	18-Feb-11	12	5.36	5.1	<0.02	<0.5	0.021	<0.1	110	190	<0.025	0.2	ND
A9	22-Mar-11	---	---	---	---	---	0.033	<0.1	---	---	---	---	---
A9	29-Apr-11	---	---	---	---	---	0.015	<0.1	---	---	---	---	---
A9	23-May-11	9	4.16	3.9	<0.02	<0.5	0.022	<0.1	160	230	<0.025	<0.2	ND
A9	29-Jun-11	---	---	---	---	---	0.023	<0.1	---	---	---	---	---
A9	19-Jul-11	---	---	---	---	---	0.005	<0.1	---	---	---	---	---
A9	02-Aug-11	9	3.96	3.4	<0.02	<0.5	0.017	<0.1	130	220	<0.025	0.23	ND
A9	23-Sep-11	---	---	---	---	---	0.022	0.013	---	---	---	---	---
A9	28-Oct-11	---	---	---	---	---	0.5	0.01	---	---	---	---	---
A9	08-Nov-11	11.3	3.64	3.29	<0.004	0.35	0.019	0.015	136	250	0.007	0.1	DETECTION
A9	12-Dec-11	---	---	---	---	---	0.02	0.017	---	---	---	---	---
A9	10-Jan-12	---	---	---	---	---	0.018	0.016	---	---	---	---	---
A9	14-Feb-12	9.9	3.16	2.85	<0.020	<0.6	<0.005	0.009	138	263	<0.003	0.1	DETECTION
A9	20-Mar-12	---	---	---	---	---	0.13	<0.05	---	---	---	---	---
A9	26-Apr-12	---	---	---	---	---	0.06	<0.05	---	---	---	---	---
A9	14-May-12	11	3.355	3.1	<0.01	<0.50	<0.05	<0.05	170	290	<0.010	<0.1	DETECTION
A9	19-Jun-12	---	---	---	---	---	0.07	<0.05	---	---	---	---	---
A9	11-Jul-12	---	---	---	---	---	0.07	0.06	---	---	---	---	---
A9	14-Aug-12	14	4.455	4.2	<0.01	<0.50	0.05	<0.05	NS	290	<0.010	0.1	DETECTION
A9	26-Sep-12	---	---	---	---	---	0.04	<0.05	---	---	---	---	---
A9	25-Oct-12	---	---	---	---	---	0.07	<0.05	---	---	---	---	---
A9	28-Nov-12	15	4.655	4.4	<0.01	<0.50	0.06	<0.05	160	290	<0.010	0.1	DETECTION
A9	13-Dec-12	---	---	---	---	---	0.08	<0.05	---	---	---	---	---
A10	13-Jan-06	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A10	22-Feb-06	9	3	2.5	<0.02	NA	<0.005	<0.1	15	24	<0.025	<0.1	ND
A10	28-Mar-06	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A10	26-Apr-06	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---

Appendix B Groundwater Quality Monitoring  
Analytical Parameters  
Inner/Outer Wells

Loc ID	Date	Alkalinity (CaCO3)	Total Nitrogen (TN)	Nitrate (NO3)	Nitrite (NO2)	TKN	Total Phosphorus (TP)	Orthophosphate (PO4)	Sodium (Na)	Chlorides (CL)	Copper (Cu)	Boron (B)	VOC
A10	30-May-06	3	1.8	1.8	<0.02	---	<0.005	<0.1	23	74	<0.025	<0.1	ND
A10	20-Jun-06	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A10	07-Jul-06	---	---	---	---	---	0.007	<0.1	---	---	---	---	---
A10	30-Aug-06	29	3.66	3.4	<0.02	<0.5	0.005	<0.1	23	47	<0.025	<0.1	ND
A10	21-Sep-06	---	---	---	---	---	0.005	<0.1	---	---	---	---	---
A10	25-Oct-06	---	---	---	---	---	0.006	<0.1	---	---	---	---	---
A10	15-Nov-06	3	3.01	2.3	<0.002	0.7	<0.005	<0.1	52	120	<0.025	<0.1	ND
A10	18-Dec-06	---	---	---	---	---	0.006	<0.1	---	---	---	---	---
A10	01-Jan-07	---	---	---	---	---	0.005	<0.1	---	---	---	---	---
A10	20-Feb-07	3	2.61	1.9	<0.02	0.7	0.013	<0.1	56	110	<0.025	<0.10	ND
A10	01-Mar-07	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A10	01-Apr-07	---	---	---	---	---	0.006	<0.1	---	---	---	---	---
A10	22-May-07	5	2.66	2.4	<0.02	<0.5	0.006	<0.1	35	65	<0.025	<0.1	ND
A10	14-Jun-07	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A10	11-Jul-07	---	---	---	---	---	0.008	<0.1	---	---	---	---	---
A10	21-Aug-07	4	1.56	1.3	<0.02	<0.5	<0.005	<0.1	54	86	<0.025	<0.10	ND
A10	24-Sep-07	---	---	---	---	---	0.024	<0.1	---	---	---	---	---
A10	17-Oct-07	---	---	---	---	---	0.018	<0.1	---	---	---	---	---
A10	14-Nov-07	4	2.06	1.8	<0.02	<0.5	0.011	<0.1	140	210	<0.025	0.1	ND
A10	21-Dec-07	---	---	---	---	---	0.01	<0.1	---	---	---	---	---
A10	08-Jan-08	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A10	21-Feb-08	4	2.68	2.4	<0.06	<0.5	0.006	<0.1	160	220	<0.025	<0.1	ND
A10	25-Mar-08	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A10	23-Apr-08	---	---	---	---	---	0.008	<0.1	---	---	---	---	---
A10	14-May-08	<2.0	1.96	1.7	<0.02	<0.5	<0.005	<0.1	59	86	<0.025	<0.1	ND
A10	18-Jun-08	---	---	---	---	---	0.02	<0.1	---	---	---	---	---
A10	24-Jul-08	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A10	21-Aug-08	2	2.51	1.9	<0.02	0.6	0.009	<0.1	110	170	<0.025	<0.1	ND
A10	18-Sep-08	---	---	---	---	---	0.008	<0.1	---	---	---	---	---
A10	23-Oct-08	---	---	---	---	---	0.005	<0.1	---	---	---	---	---
A10	13-Nov-08	<2.0	2.63	1.9	<0.06	0.7	0.008	<0.1	81	130	<0.025	0.1	ND
A10	16-Dec-08	---	---	---	---	---	0.008	<0.1	---	---	---	---	---
A10	22-Jan-09	---	---	---	---	---	0.011	<0.1	---	---	---	---	---
A10	10-Feb-09	4	2.66	2.4	<0.02	<0.5	0.017	<0.1	36	55	<0.025	<0.1	ND
A10	23-Mar-09	---	---	---	---	---	0.006	<0.1	---	---	---	---	---
A10	29-Apr-09	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A10	21-May-09	<2.0	1.56	1.3	<0.02	<0.5	<0.005	<0.1	25	24	<0.025	<0.1	ND
A10	16-Jun-09	---	---	---	---	---	0.011	<0.1	---	---	---	---	---
A10	28-Jul-09	---	---	---	---	---	0.008	<0.1	---	---	---	---	---
A10	28-Aug-09	4	1.66	1.4	<0.02	<0.5	0.01	<0.1	50	NA	<0.025	<0.1	ND
A10	29-Sep-09	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A10	20-Oct-09	---	---	---	---	---	0.005	<0.1	---	---	---	---	---
A10	10-Nov-09	<2.0	2.46	2.2	<0.02	<0.5	0.008	<0.1	64	100	<0.025	<0.1	ND

Appendix B Groundwater Quality Monitoring  
Analytical Parameters  
Inner/Outer Wells

Loc ID	Date	Alkalinity (CaCO3)	Total Nitrogen (TN)	Nitrate (NO3)	Nitrite (NO2)	TKN	Total Phosphorus (TP)	Orthophosphate (PO4)	Sodium (Na)	Chlorides (CL)	Copper (Cu)	Boron (B)	VOC
A10	08-Dec-09	---	---	---	---	---	0.023	<0.1	---	---	---	---	---
A10	28-Jan-10	---	---	---	---	---	0.006	<0.1	---	---	---	---	---
A10	10-Feb-10	<2	2.06	1.8	<0.02	<0.5	0.008	<0.1	41	60	<0.025	<0.1	ND
A10	09-Mar-10	---	---	---	---	---	0.12	<0.1	---	---	---	---	---
A10	29-Apr-10	---	---	---	---	---	0.008	<0.1	---	---	---	---	---
A10	24-May-10	<2	3.41	2.8	<0.02	0.6	<0.005	<0.1	19	31	<0.025	<0.1	ND
A10	23-Jun-10	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A10	20-Jul-10	---	---	---	---	---	0.017	<0.1	---	---	---	---	---
A10	26-Aug-10	2	4.56	4.3	<0.02	<0.5	0.006	<0.1	66	130	<0.025	<0.1	ND
A10	21-Sep-10	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A10	18-Oct-10	---	---	---	---	---	0.013	<0.1	---	---	---	---	---
A10	15-Nov-10	6	3.46	3.2	<0.02	<0.5	<0.005	<0.1	120	210	<0.025	<0.1	ND
A10	14-Dec-10	---	---	---	---	---	0.011	<0.1	---	---	---	---	---
A10	11-Jan-11	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A10	18-Feb-11	6	3.66	3.4	<0.02	<0.5	0.018	<0.1	120	200	<0.025	0.2	ND
A10	22-Mar-11	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A10	29-Apr-11	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A10	23-May-11	2	1.86	1.6	<0.02	<0.5	0.007	<0.1	73	120	<0.025	<0.2	ND
A10	21-Jun-11	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A10	19-Jul-11	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A10	02-Aug-11	<2	1.96	1.7	<0.02	<0.5	<0.005	<0.1	65	98	<0.025	<0.1	ND
A10	23-Sep-11	---	---	---	---	---	0.008	0.008	---	---	---	---	---
A10	28-Oct-11	---	---	---	---	---	0.011	0.005	---	---	---	---	---
A10	08-Nov-11	5.6	2.92	2.82	<0.004	<0.2	0.006	<0.005	133	204	0.009	0.11	DETECTION
A10	12-Dec-11	---	---	---	---	---	0.009	0.005	---	---	---	---	---
A10	11-Jan-12	---	---	---	---	---	0.006	<0.005	---	---	---	---	---
A10	14-Feb-12	6.4	2.44	2.13	<0.020	<0.6	<0.005	<0.005	68.3	126	0.004	0.032	ND
A10	20-Mar-12	---	---	---	---	---	0.07	<0.05	---	---	---	---	---
A10	26-Apr-12	---	---	---	---	---	<0.05	<0.05	---	---	---	---	---
A10	14-May-12	10	3.655	3.4	<0.01	<0.50	<0.05	<0.05	140	220	<0.010	<0.1	DETECTION
A10	19-Jun-12	---	---	---	---	---	0.04	<0.05	---	---	---	---	---
A10	11-Jul-12	---	---	---	---	---	0.05	<0.05	---	---	---	---	---
A10	14-Aug-12	11	4.155	3.9	<0.01	<0.50	0.05	<0.05	NS	250	<0.010	0.1	DETECTION
A10	26-Sep-12	---	---	---	---	---	0.04	<0.05	---	---	---	---	---
A10	25-Oct-12	---	---	---	---	---	0.05	<0.05	---	---	---	---	---
A10	28-Nov-12	7.1	3.155	2.9	<0.01	<0.50	<0.05	<0.05	170	280	<0.010	0.1	DETECTION
A10	13-Dec-12	---	---	---	---	---	<0.05	<0.05	---	---	---	---	---
A11	12-Jan-06	---	---	---	---	---	0.014	<0.1	---	---	---	---	---
A11	23-Feb-06	<5	3.3	2.8	<0.02	---	0.011	<0.1	33	64	<0.025	<0.1	ND
A11	28-Mar-06	---	---	---	---	---	0.01	<0.1	---	---	---	---	---
A11	27-Apr-06	---	---	---	---	---	0.013	<0.1	---	---	---	---	---
A11	31-May-06	29	5.66	5.4	<0.02	<0.5	0.01	<0.1	47	96	<0.025	<0.1	ND
A11	20-Jun-06	---	---	---	---	---	0.018	<0.1	---	---	---	---	---

Appendix B Groundwater Quality Monitoring  
Analytical Parameters  
Inner/Outer Wells

Loc ID	Date	Alkalinity (CaCO3)	Total Nitrogen (TN)	Nitrate (NO3)	Nitrite (NO2)	TKN	Total Phosphorus (TP)	Orthophosphate (PO4)	Sodium (Na)	Chlorides (CL)	Copper (Cu)	Boron (B)	VOC
A11	26-Jul-06	---	---	---	---	---	0.011	<0.1	---	---	---	---	---
A11	30-Aug-06	17	1.76	1.5	<0.02	<0.5	0.014	<0.1	38	69	<0.025	<0.1	ND
A11	22-Sep-06	---	---	---	---	---	0.012	<0.1	---	---	---	---	---
A11	25-Oct-06	---	---	---	---	---	0.014	<0.1	---	---	---	---	---
A11	15-Nov-06	5	3.26	3	<0.02	<0.5	0.009	<0.1	38	62	<0.025	<0.1	ND
A11	18-Dec-06	---	---	---	---	---	0.015	<0.1	---	---	---	---	---
A11	01-Jan-07	---	---	---	---	---	0.017	<0.1	---	---	---	---	---
A11	20-Feb-07	5	8.26	8	<0.02	<0.5	0.006	<0.1	39	58	<0.025	<0.10	ND
A11	01-Mar-07	---	---	---	---	---	0.014	<0.1	---	---	---	---	---
A11	01-Apr-07	---	---	---	---	---	0.015	<0.1	---	---	---	---	---
A11	22-May-07	5	1.56	1.3	<0.02	<0.5	0.017	<0.1	34	46	0.007	<0.1	ND
A11	14-Jun-07	---	---	---	---	---	0.013	0.1	---	---	---	---	---
A11	11-Jul-07	---	---	---	---	---	0.017	<0.1	---	---	---	---	---
A11	22-Aug-07	5	4.36	4.1	<0.02	<0.5	0.013	<0.1	36	55	<0.025	<0.10	ND
A11	24-Sep-07	---	---	---	---	---	0.034	<0.1	---	---	---	---	---
A11	16-Oct-07	---	---	---	---	---	0.034	<0.1	---	---	---	---	---
A11	14-Nov-07	4	1.26	1	<0.02	<0.5	0.021	<0.1	---	51	---	---	---
A11	21-Dec-07	---	---	---	---	---	0.03	<0.1	---	---	---	---	---
A11	08-Jan-08	---	---	---	---	---	0.012	<0.1	---	---	---	---	---
A11	20-Feb-08	2	1.46	1.2	<0.02	<0.5	0.014	0.01	26	46	<0.025	<0.1	ND
A11	25-Mar-08	---	---	---	---	---	0.024	<0.1	---	---	---	---	---
A11	23-Apr-08	---	---	---	---	---	0.02	<0.1	---	---	---	---	---
A11	14-May-08	4	1.26	1	<0.02	<0.5	0.016	0.2	28	40	<0.025	0.3	ND
A11	18-Jun-08	---	---	---	---	---	0.016	<0.1	---	---	---	---	---
A11	24-Jul-08	---	---	---	---	---	0.015	<0.1	---	---	---	---	---
A11	21-Aug-08	5	1.49	0.98	<0.02	0.5	0.019	<0.1	29	37	<0.025	<0.1	ND
A11	16-Sep-08	---	---	---	---	---	0.044	<0.1	---	---	---	---	---
A11	24-Oct-08	---	---	---	---	---	0.016	<0.1	---	---	---	---	---
A11	13-Nov-08	<2.0	1.28	1	<0.06	<0.5	0.016	<0.1	28	47	<0.025	<0.1	ND
A11	16-Dec-08	---	---	---	---	---	0.022	<0.1	---	---	---	---	---
A11	22-Jan-09	---	---	---	---	---	0.029	<0.1	---	---	---	---	---
A11	10-Feb-09	5	1.46	1.2	<0.02	<0.5	0.027	<0.1	32	52	<0.025	<0.1	---
A11	23-Mar-09	---	---	---	---	---	0.027	<0.1	---	---	---	---	---
A11	21-Apr-09	---	---	---	---	---	0.019	<0.1	---	---	---	---	---
A11	21-May-09	7	1.66	1.4	<0.02	<0.5	0.015	<0.1	36	61	<0.025	<0.1	ND
A11	16-Jun-09	---	---	---	---	---	0.027	<0.1	---	---	---	---	---
A11	28-Jul-09	---	---	---	---	---	0.025	<0.1	---	---	---	---	---
A11	25-Aug-09	5	1.36	1.1	<0.02	<0.5	0.016	<0.1	34	---	<0.025	<0.1	ND
A11	28-Sep-09	---	---	---	---	---	0.016	<0.1	---	---	---	---	---
A11	20-Oct-09	---	---	---	---	---	0.015	<0.1	---	---	---	---	---
A11	10-Nov-09	5	1.81	1.3	<0.02	0.5	0.019	<0.1	28	48	<0.025	<0.1	ND
A11	08-Dec-09	---	---	---	---	---	0.035	<0.1	---	---	---	---	---
A11	21-Jan-10	---	---	---	---	---	0.014	<0.1	---	---	---	---	---

Appendix B Groundwater Quality Monitoring  
Analytical Parameters  
Inner/Outer Wells

Loc ID	Date	Alkalinity (CaCO3)	Total Nitrogen (TN)	Nitrate (NO3)	Nitrite (NO2)	TKN	Total Phosphorus (TP)	Orthophosphate (PO4)	Sodium (Na)	Chlorides (CL)	Copper (Cu)	Boron (B)	VOC
A11	24-Feb-10	4	1.96	1.7	<0.02	<0.5	0.021	<0.1	38	120	<0.025	<0.1	ND
A11	10-Mar-10	---	---	---	---	---	0.021	<0.1	---	---	---	---	---
A11	22-Apr-10	---	---	---	---	---	0.016	<0.1	---	---	---	---	---
A11	25-May-10	3	1.86	1.6	<0.02	<0.5	<0.005	<0.1	30	54	<0.025	<0.1	ND
A11	23-Jun-10	---	---	---	---	---	0.016	<0.1	---	---	---	---	---
A11	14-Jul-10	---	---	---	---	---	0.019	<0.1	---	---	---	---	---
A11	26-Aug-10	8	1.36	1.1	<0.02	<0.5	0.022	<0.1	21	37	<0.025	<0.1	ND
A11	21-Sep-10	---	---	---	---	---	0.006	<0.1	---	---	---	---	---
A11	18-Oct-10	---	---	---	---	---	0.019	<0.1	---	---	---	---	---
A11	15-Nov-10	7	1.46	1.2	<0.02	<0.5	0.012	<0.1	25	34	<0.025	<0.1	ND
A11	15-Dec-10	---	---	---	---	---	0.015	<0.1	---	---	---	---	---
A11	11-Jan-11	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A11	17-Feb-11	6	2.46	2.2	<0.02	<0.5	0.052	<0.1	30	38	<0.025	<0.1	ND
A11	22-Mar-11	---	---	---	---	---	0.011	<0.1	---	---	---	---	---
A11	11-Apr-11	---	---	---	---	---	0.013	<0.1	---	---	---	---	---
A11	23-May-11	3	1.56	1.3	<0.02	<0.5	0.028	<0.1	32	44	<0.025	<0.2	ND
A11	21-Jun-11	---	---	---	---	---	0.016	<0.1	---	---	---	---	---
A11	19-Jul-11	---	---	---	---	---	0.005	<0.1	---	---	---	---	---
A11	02-Aug-11	4	1.56	1.3	<0.02	<0.5	0.019	<0.1	26	29	<0.025	<0.1	ND
A11	15-Sep-11	---	---	---	---	---	0.025	0.023	---	---	---	---	---
A11	31-Oct-11	---	---	---	---	---	0.018	0.018	---	---	---	---	---
A11	08-Nov-11	8.4	1.42	1.32	<0.004	<0.2	0.019	0.015	29.1	51.8	0.004	0.01	DETECTION
A11	13-Dec-11	---	---	---	---	---	0.02	0.018	---	---	---	---	---
A11	10-Jan-12	---	---	---	---	---	0.014	0.013	---	---	---	---	---
A11	14-Feb-12	7	1.85	1.54	<0.020	<0.6	<0.005	<0.005	37.4	81.7	<0.003	0.013	DETECTION
A11	21-Mar-12	---	---	---	---	---	<0.05	<0.05	---	---	---	---	---
A11	26-Apr-12	---	---	---	---	---	<0.05	<0.05	---	---	---	---	---
A11	14-May-12	11	1.255	1	<0.01	<0.50	<0.05	<0.05	35	63	<0.010	<0.1	ND
A11	19-Jun-12	---	---	---	---	---	0.08	<0.05	---	---	---	---	---
A11	12-Jul-12	---	---	---	---	---	0.09	<0.05	---	---	---	---	---
A11	14-Aug-12	14	1.155	0.9	<0.01	<0.50	0.09	<0.05	NS	56	<0.010	<0.1	ND
A11	26-Sep-12	---	---	---	---	---	0.06	<0.05	---	---	---	---	---
A11	22-Oct-12	---	---	---	---	---	0.05	<0.05	---	---	---	---	---
A11	28-Nov-12	20	1.235	0.98	<0.01	<0.50	0.11	<0.05	34	61	<0.010	<0.1	ND
A11	31-Dec-12	---	---	---	---	---	0.06	<0.05	---	---	---	---	---
A16	12-Jan-06	---	---	---	---	---	0.007	<0.1	---	---	---	---	---
A16	22-Feb-06	15	1.4	1.5	<0.02	NA	0.007	<0.1	17	26	<0.025	<0.1	ND
A16	28-Mar-06	---	---	---	---	---	0.007	<0.1	---	---	---	---	---
A16	26-Apr-06	---	---	---	---	---	0.007	<0.1	---	---	---	---	---
A16	30-May-06	11	1.9	1.9	<0.02	---	0.009	<0.1	16	31	<0.025	<0.1	ND
A16	20-Jun-06	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A16	26-Jul-06	---	---	---	---	---	0.007	<0.1	---	---	---	---	---
A16	30-Aug-06	17	0.92	0.66	<0.02	<0.5	0.008	<0.1	17	32	<0.025	<0.1	ND

Appendix B Groundwater Quality Monitoring  
Analytical Parameters  
Inner/Outer Wells

Loc ID	Date	Alkalinity (CaCO3)	Total Nitrogen (TN)	Nitrate (NO3)	Nitrite (NO2)	TKN	Total Phosphorus (TP)	Orthophosphate (PO4)	Sodium (Na)	Chlorides (CL)	Copper (Cu)	Boron (B)	VOC
A16	21-Sep-06	---	---	---	---	---	0.006	<0.1	---	---	---	---	---
A16	25-Oct-06	---	---	---	---	---	0.006	<0.1	---	---	---	---	---
A16	20-Nov-06	9	1.66	1.4	<0.02	<0.5	0.005	<0.1	16	31	<0.025	<0.1	ND
A16	18-Dec-06	---	---	---	---	---	0.007	<0.1	---	---	---	---	---
A16	01-Jan-07	---	---	---	---	---	0.08	<0.1	---	---	---	---	---
A16	20-Feb-07	11	0.9	0.39	<0.02	0.5	<0.005	<0.1	13	33	<0.025	<0.10	ND
A16	01-Mar-07	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A16	01-Apr-07	---	---	---	---	---	0.005	<0.1	---	---	---	---	---
A16	22-May-07	6	0.46	0.2	<0.02	<0.5	0.007	<0.1	18	37	0.006	<0.1	ND
A16	14-Jun-07	---	---	---	---	---	0.18	<0.1	---	---	---	---	---
A16	11-Jul-07	---	---	---	---	---	0.008	<0.1	---	---	---	---	---
A16	21-Aug-07	15	0.36	0.1	<0.02	<0.5	<0.005	<0.1	20	39	<0.025	<0.10	ND
A16	24-Sep-07	---	---	---	---	---	0.034	<0.1	---	---	---	---	---
A16	16-Oct-07	---	---	---	---	---	0.028	0.1	---	---	---	---	---
A16	14-Nov-07	7	0.37	0.11	<0.02	<0.5	0.011	<0.1	20	41	<0.025	<0.1	ND
A16	21-Dec-07	---	---	---	---	---	0.023	<0.1	---	---	---	---	---
A16	08-Jan-08	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A16	20-Feb-08	8	<0.27	<0.02	<0.02	<0.5	0.007	0.013	19	44	<0.025	<0.1	ND
A16	25-Mar-08	---	---	---	---	---	0.007	<0.1	---	---	---	---	---
A16	23-Apr-08	---	---	---	---	---	0.008	<0.1	---	---	---	---	---
A16	14-May-08	8	0.29	0.03	<0.02	<0.5	0.009	<0.1	19	38	<0.025	0.2	ND
A16	18-Jun-08	---	---	---	---	---	0.016	<0.1	---	---	---	---	---
A16	24-Jul-08	---	---	---	---	---	0.009	<0.1	---	---	---	---	---
A16	21-Aug-08	7	0.91	0.3	<0.02	0.6	0.019	<0.1	19	35	<0.025	<0.1	ND
A16	17-Sep-08	---	---	---	---	---	0.017	<0.1	---	---	---	---	---
A16	23-Oct-08	---	---	---	---	---	0.015	<0.1	---	---	---	---	---
A16	13-Nov-08	4	0.93	0.3	<0.06	0.6	0.011	<0.1	15	38	<0.025	<0.1	ND
A16	17-Dec-08	---	---	---	---	---	0.011	<0.1	---	---	---	---	---
A16	22-Jan-09	---	---	---	---	---	0.014	<0.1	---	---	---	---	---
A16	10-Feb-09	10	0.49	0.23	<0.02	<0.5	0.022	<0.1	18	32	<0.025	<0.1	ND
A16	23-Mar-09	---	---	---	---	---	0.017	<0.1	---	---	---	---	---
A16	21-Apr-09	---	---	---	---	---	0.008	<0.1	---	---	---	---	---
A16	21-May-09	11	<0.27	<0.02	<0.02	<0.5	0.013	<0.1	15	31	<0.025	<0.1	ND
A16	16-Jun-09	---	---	---	---	---	0.019	<0.1	---	---	---	---	---
A16	29-Jul-09	---	---	---	---	---	0.019	<0.1	---	---	---	---	---
A16	28-Aug-09	6	0.31	0.05	<0.02	<0.5	0.02	<0.1	18	---	<0.025	<0.1	ND
A16	28-Sep-09	---	---	---	---	---	0.009	<0.1	---	---	---	---	---
A16	21-Oct-09	---	---	---	---	---	0.01	<0.1	---	---	---	---	---
A16	10-Nov-09	7	0.79	0.08	<0.02	0.7	0.012	<0.1	14	32	<0.025	<0.1	ND
A16	08-Dec-09	---	---	---	---	---	0.023	<0.1	---	---	---	---	---
A16	25-Jan-10	---	---	---	---	---	0.008	<0.1	---	---	---	---	---
A16	10-Feb-10	<2	0.35	0.09	<0.02	<0.5	0.01	<0.1	19	35	<0.025	<0.1	ND
A16	09-Mar-10	---	---	---	---	---	0.016	<0.1	---	---	---	---	---

Appendix B Groundwater Quality Monitoring  
Analytical Parameters  
Inner/Outer Wells

Loc ID	Date	Alkalinity (CaCO3)	Total Nitrogen (TN)	Nitrate (NO3)	Nitrite (NO2)	TKN	Total Phosphorus (TP)	Orthophosphate (PO4)	Sodium (Na)	Chlorides (CL)	Copper (Cu)	Boron (B)	VOC
A16	22-Apr-10	---	---	---	---	---	0.008	<0.1	---	---	---	---	---
A16	24-May-10	12	1.41	0.6	<0.02	0.8	<0.005	<0.1	18	39	<0.025	<0.1	ND
A16	23-Jun-10	---	---	---	---	---	0.008	<0.1	---	---	---	---	---
A16	14-Jul-10	---	---	---	---	---	0.01	<0.1	---	---	---	---	---
A16	27-Aug-10	3	0.39	0.13	<0.02	<0.5	0.011	<0.1	15	36	<0.025	<0.1	ND
A16	21-Sep-10	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A16	18-Oct-10	---	---	---	---	---	0.01	<0.1	---	---	---	---	---
A16	15-Nov-10	5	0.32	0.06	<0.02	<0.5	0.032	<0.1	20	54	<0.025	<0.1	ND
A16	14-Dec-10	---	---	---	---	---	0.006	<0.1	---	---	---	---	---
A16	11-Jan-11	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A16	17-Feb-11	9	<0.27	<0.02	<0.02	<0.5	0.016	<0.1	21	42	<0.025	0.1	ND
A16	22-Mar-11	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A16	29-Apr-11	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A16	25-May-11	<2	0.75	0.14	<0.02	0.6	0.008	<0.1	20.1	46	<0.003	<0.01	ND
A16	21-Jun-11	---	---	---	---	---	0.011	<0.1	---	---	---	---	---
A16	20-Jul-11	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
A16	03-Aug-11	4	0.31	0.05	<0.02	<0.5	0.011	<0.1	21	35	<0.025	<0.1	ND
A16	15-Sep-11	---	---	---	---	---	0.013	0.012	---	---	---	---	---
A16	31-Oct-11	---	---	---	---	---	0.015	0.012	---	---	---	---	---
A16	10-Nov-11	10.9	0.382	0.17	<0.004	0.21	0.01	0.009	23.1	55.2	0.006	0.016	ND
A16	13-Dec-11	---	---	---	---	---	0.009	0.006	---	---	---	---	---
A16	10-Jan-12	---	---	---	---	---	0.01	0.007	---	---	---	---	---
A16	27-Feb-12	9.4	0.5	0.19	<0.020	<0.6	0.005	<0.005	23.4	59.5	<0.003	0.021	ND
A16	21-Mar-12	---	---	---	---	---	0.06	<0.05	---	---	---	---	---
A16	26-Apr-12	---	---	---	---	---	<0.05	<0.05	---	---	---	---	---
A16	14-May-12	14	1.435	0.91	<0.01	0.52	<0.05	<0.05	27	65	<0.010	<0.1	ND
A16	19-Jun-12	---	---	---	---	---	0.03	<0.05	---	---	---	---	---
A16	12-Jul-12	---	---	---	---	---	0.05	<0.05	---	---	---	---	---
A16	16-Aug-12	7.2	1.555	1.3	<0.01	<0.50	0.06	<0.05	NS	68	<0.010	<0.1	ND
A16	26-Sep-12	---	---	---	---	---	0.07	<0.05	---	---	---	---	---
A16	30-Oct-12	---	---	---	---	---	<0.05	<0.05	---	---	---	---	---
A16	28-Nov-12	11	1.155	0.9	<0.01	<0.50	0.06	<0.05	40	83	<0.010	<0.1	ND
A16	13-Dec-12	---	---	---	---	---	0.05	<0.05	---	---	---	---	---
6S	12-Jan-06	---	---	---	---	---	0.009	<0.1	---	---	---	---	---
6S	23-Feb-06	<5	<0.5	<0.02	<0.02	---	<0.005	<0.1	7	9	<0.025	<0.1	ND
6S	30-Mar-06	---	---	---	---	---	0.006	<0.1	---	---	---	---	---
6S	27-Apr-06	---	---	---	---	---	0.006	<0.1	---	---	---	---	---
6S	31-May-06	14	0.3	0.04	<0.02	<0.5	<0.005	<0.1	9	9	<0.025	<0.1	ND
6S	21-Jun-06	---	---	---	---	---	0.005	<0.1	---	---	---	---	---
6S	07-Jul-06	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
6S	31-Aug-06	<2	<0.27	<0.02	<0.02	<0.5	0.006	<0.1	7	8	<0.025	<0.1	ND
6S	22-Sep-06	---	---	---	---	---	0.006	<0.1	---	---	---	---	---
6S	25-Oct-06	---	---	---	---	---	0.006	<0.1	---	---	---	---	---

Appendix B Groundwater Quality Monitoring  
Analytical Parameters  
Inner/Outer Wells

Loc ID	Date	Alkalinity (CaCO3)	Total Nitrogen (TN)	Nitrate (NO3)	Nitrite (NO2)	TKN	Total Phosphorus (TP)	Orthophosphate (PO4)	Sodium (Na)	Chlorides (CL)	Copper (Cu)	Boron (B)	VOC
6S	20-Nov-06	2	<0.27	<0.02	<0.02	<0.5	0.009	<0.1	6	10	<0.025	<0.1	ND
6S	18-Dec-06	---	---	---	---	---	0.009	<0.1	---	---	---	---	---
6S	01-Jan-07	---	---	---	---	---	0.01	<0.1	---	---	---	---	---
6S	22-Feb-07	2	<0.27	<0.02	<0.02	<0.5	0.009	<0.1	7	9	<0.025	<0.10	ND
6S	01-Mar-07	---	---	---	---	---	0.08	<0.1	---	---	---	---	---
6S	01-Apr-07	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
6S	29-May-07	2	<0.27	<0.02	<0.02	<0.5	0.008	<0.1	7	9	<0.025	<0.1	ND
6S	14-Jun-07	---	---	---	---	---	0.007	<0.1	---	---	---	---	---
6S	12-Jul-07	---	---	---	---	---	0.013	<0.1	---	---	---	---	---
6S	22-Aug-07	<2.0	<0.27	<0.02	<0.02	<0.5	<0.005	<0.1	6	9.6	<0.025	<0.10	ND
6S	24-Sep-07	---	---	---	---	---	0.07	<0.1	---	---	---	---	---
6S	18-Oct-07	---	---	---	---	---	0.019	<0.1	---	---	---	---	---
6S	15-Nov-07	2	<0.27	<0.02	<0.02	<0.5	0.012	<0.1	7	8	<0.025	<0.1	ND
6S	21-Dec-07	---	---	---	---	---	0.07	<0.1	---	---	---	---	---
6S	08-Jan-08	---	---	---	---	---	0.08	<0.1	---	---	---	---	---
6S	21-Feb-08	3	<0.305	<0.05	<0.06	<0.5	0.009	<0.1	6	9.2	<0.025	<0.1	ND
6S	28-Mar-08	---	---	---	---	---	0.007	<0.1	---	---	---	---	---
6S	24-Apr-08	---	---	---	---	---	0.01	<0.1	---	---	---	---	---
6S	15-May-08	<2.0	0.3	0.04	<0.02	<0.5	0.009	0.1	5	9	<0.025	<0.1	ND
6S	19-Jun-08	---	---	---	---	---	0.01	<0.1	---	---	---	---	---
6S	25-Jul-08	---	---	---	---	---	0.009	<0.1	---	---	---	---	---
6S	28-Aug-08	<2.0	0.56	0.05	<0.02	0.5	0.015	<0.1	7	14	<0.025	<0.1	ND
6S	16-Sep-08	---	---	---	---	---	0.013	<0.1	---	---	---	---	---
6S	24-Oct-08	---	---	---	---	---	0.015	<0.1	---	---	---	---	---
6S	14-Nov-08	<2.0	3.55	<0.5	<0.6	3	0.018	<0.1	7	9	<0.025	<0.1	ND
6S	17-Dec-08	---	---	---	---	---	0.015	<0.1	---	---	---	---	---
6S	23-Jan-09	---	---	---	---	---	0.013	<0.1	---	---	---	---	---
6S	17-Feb-09	2	0.3	0.04	<0.02	<0.5	0.011	<0.1	7	11	<0.025	<0.1	ND
6S	23-Mar-09	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
6S	29-Apr-09	---	---	---	---	---	0.008	<0.1	---	---	---	---	---
6S	26-May-09	<2.0	<0.27	<0.02	<0.02	<0.5	0.018	<0.1	6	10	<0.025	<0.1	ND
6S	16-Jun-09	---	---	---	---	---	0.024	<0.1	---	---	---	---	---
6S	29-Jul-09	---	---	---	---	---	0.016	<0.1	---	---	---	---	---
6S	25-Aug-09	<2.0	0.29	0.03	<0.02	<0.5	<0.005	<0.1	7	---	<0.025	<0.1	ND
6S	29-Sep-09	---	---	---	---	---	0.025	<0.1	---	---	---	---	---
6S	21-Oct-09	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
6S	30-Nov-09	<2.0	0.3	0.04	<0.02	<0.5	0.012	<0.1	7	8	<0.025	<0.1	ND
6S	10-Dec-09	---	---	---	---	---	0.018	<0.1	---	---	---	---	---
6S	25-Jan-10	---	---	---	---	---	0.01	<0.1	---	---	---	---	---
6S	23-Feb-10	2	<0.27	<0.02	<0.02	<0.5	0.01	<0.1	6	9	<0.025	<0.1	ND
6S	29-Mar-10	---	---	---	---	---	0.013	<0.1	---	---	---	---	---
6S	30-Apr-10	---	---	---	---	---	0.006	<0.1	---	---	---	---	---
6S	25-May-10	<2	0.52	<0.02	<0.02	0.5	<0.005	<0.1	6	7	<0.025	<0.1	ND

Appendix B Groundwater Quality Monitoring  
Analytical Parameters  
Inner/Outer Wells

Loc ID	Date	Alkalinity (CaCO3)	Total Nitrogen (TN)	Nitrate (NO3)	Nitrite (NO2)	TKN	Total Phosphorus (TP)	Orthophosphate (PO4)	Sodium (Na)	Chlorides (CL)	Copper (Cu)	Boron (B)	VOC
6S	29-Jun-10	---	---	---	---	---	0.013	<0.1	---	---	---	---	---
6S	08-Jul-10	---	---	---	---	---	0.01	<0.1	---	---	---	---	---
6S	27-Aug-10	<2	<0.27	<0.02	<0.02	<0.5	0.007	<0.1	5	7	<0.025	<0.1	ND
6S	24-Sep-10	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
6S	22-Oct-10	---	---	---	---	---	0.011	<0.1	---	---	---	---	---
6S	16-Nov-10	8	<0.27	<0.02	<0.02	<0.5	<0.5	<0.1	6	9	<0.025	<0.1	ND
6S	22-Dec-10	---	---	---	---	---	0.005	<0.1	---	---	---	---	---
6S	11-Jan-11	---	---	---	---	---	0.011	<0.1	---	---	---	---	---
6S	17-Feb-11	<2	<0.27	<0.02	<0.02	<0.5	0.009	<0.1	7	11	<0.025	0.1	ND
6S	21-Mar-11	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
6S	11-Apr-11	---	---	---	---	---	0.008	<0.1	---	---	---	---	---
6S	25-May-11	<2	<0.27	<0.02	<0.02	<0.5	0.014	<0.1	5.4	9	<0.003	<0.01	ND
6S	28-Jun-11	---	---	---	---	---	0.02	<0.1	---	---	---	---	---
6S	21-Jul-11	---	---	---	---	---	0.024	<0.1	---	---	---	---	---
6S	03-Aug-11	<2	0.3	0.04	<0.02	<0.5	0.012	<0.1	6	6	<0.025	<0.1	ND
6S	15-Sep-11	---	---	---	---	---	0.01	0.008	---	---	---	---	---
6S	28-Oct-11	---	---	---	---	---	0.022	0.005	---	---	---	---	---
6S	09-Nov-11	2.9	0.362	0.15	<0.004	0.21	0.01	0.01	6	10.3	<0.003	<0.010	DETECTION
6S	13-Dec-11	---	---	---	---	---	0.012	0.007	---	---	---	---	---
6S	26-Jan-12	---	---	---	---	---	0.009	<0.005	---	---	---	---	---
6S	27-Feb-12	<2.5	0.62	0.31	<0.020	<0.6	<0.005	<0.005	6	10.5	<0.003	<0.0010	DETECTION
6S	26-Mar-12	---	---	---	---	---	<0.05	<0.05	---	---	---	---	---
6S	30-Apr-12	---	---	---	---	---	<0.05	<0.05	---	---	---	---	---
6S	14-May-12	5	0.465	0.21	<0.01	<0.50	<0.05	<0.05	7.1	12	<0.010	<0.1	DETECTION
6S	21-Jun-12	---	---	---	---	---	<0.05	<0.05	---	---	---	---	---
6S	11-Jul-12	---	---	---	---	---	0.03	<0.05	---	---	---	---	---
6S	15-Aug-12	6	0.515	0.26	<0.01	<0.50	0.08	<0.05	NS	9.2	<0.010	<0.1	ND
6S	28-Sep-12	---	---	---	---	---	0.04	<0.05	---	---	---	---	---
6S	22-Oct-12	---	---	---	---	---	0.05	<0.05	---	---	---	---	---
6S	27-Nov-12	4	0.735	0.48	<0.01	<0.50	0.08	<0.05	7.3	10	<0.010	<0.1	DETECTION
6S	28-Dec-12	---	---	---	---	---	<0.05	<0.05	---	---	---	---	---
6D	12-Jan-06	---	---	---	---	---	0.017	<0.1	---	---	---	---	---
6D	23-Feb-06	8	<0.50	0.28	<0.02	---	0.018	<0.1	7	9	<0.025	<0.1	ND
6D	30-Mar-06	---	---	---	---	---	0.031	<0.1	---	---	---	---	---
6D	27-Apr-06	---	---	---	---	---	0.018	<0.1	---	---	---	---	---
6D	31-May-06	24	0.56	0.3	<0.02	<0.5	0.017	<0.1	8	9	<0.025	<0.1	ND
6D	21-Jun-06	---	---	---	---	---	0.022	<0.1	---	---	---	---	---
6D	07-Jul-06	---	---	---	---	---	0.015	<0.1	---	---	---	---	---
6D	31-Aug-06	15	0.62	0.36	<0.02	<0.5	0.022	<0.1	8	7	<0.025	<0.1	ND
6D	22-Sep-06	---	---	---	---	---	0.018	<0.1	---	---	---	---	---
6D	25-Oct-06	---	---	---	---	---	0.029	<0.1	---	---	---	---	---
6D	20-Nov-06	5	0.57	0.31	<0.02	<0.5	0.018	<0.1	7	10	<0.025	<0.1	ND
6D	18-Dec-06	---	---	---	---	---	0.019	<0.1	---	---	---	---	---

Appendix B Groundwater Quality Monitoring  
Analytical Parameters  
Inner/Outer Wells

Loc ID	Date	Alkalinity (CaCO3)	Total Nitrogen (TN)	Nitrate (NO3)	Nitrite (NO2)	TKN	Total Phosphorus (TP)	Orthophosphate (PO4)	Sodium (Na)	Chlorides (CL)	Copper (Cu)	Boron (B)	VOC
6D	01-Jan-07	---	---	---	---	---	0.052	<0.1	---	---	---	---	---
6D	22-Feb-07	6	0.62	0.36	<0.02	<0.5	0.018	<0.1	8	8	<0.025	<0.10	ND
6D	01-Mar-07	---	---	---	---	---	0.019	<0.1	---	---	---	---	---
6D	01-Apr-07	---	---	---	---	---	0.019	<0.1	---	---	---	---	---
6D	29-May-07	6	0.77	0.51	<0.02	<0.5	0.018	<0.1	8	8	<0.025	<0.1	ND
6D	14-Jun-07	---	---	---	---	---	0.018	<0.1	---	---	---	---	---
6D	12-Jul-07	---	---	---	---	---	0.024	<0.1	---	---	---	---	---
6D	22-Aug-07	6	0.72	0.46	<0.02	<0.5	0.016	<0.1	7	8.5	<0.025	<0.10	ND
6D	24-Sep-07	---	---	---	---	---	0.033	<0.1	---	---	---	---	---
6D	18-Oct-07	---	---	---	---	---	0.028	<0.1	---	---	---	---	---
6D	15-Nov-07	6	0.69	0.43	<0.02	0.25	0.025	<0.1	8	8	<0.025	<0.1	ND
6D	21-Dec-07	---	---	---	---	---	0.037	<0.1	---	---	---	---	---
6D	08-Jan-08	---	---	---	---	---	0.017	<0.1	---	---	---	---	---
6D	21-Feb-08	5	0.78	0.5	<0.06	<0.5	0.019	<0.1	7	8.1	<0.025	<0.1	ND
6D	28-Mar-08	---	---	---	---	---	0.035	<0.1	---	---	---	---	---
6D	24-Apr-08	---	---	---	---	---	0.014	<0.1	---	---	---	---	---
6D	15-May-08	4	0.74	0.48	<0.02	<0.5	0.021	<0.1	7	7	<0.025	<0.1	ND
6D	19-Jun-08	---	---	---	---	---	0.024	<0.1	---	---	---	---	---
6D	25-Jul-08	---	---	---	---	---	0.023	<0.1	---	---	---	---	---
6D	28-Aug-08	3	0.97	0.46	<0.02	0.5	0.023	<0.1	7	8	<0.025	<0.1	ND
6D	16-Sep-08	---	---	---	---	---	0.021	<0.1	---	---	---	---	---
6D	24-Oct-08	---	---	---	---	---	0.018	<0.1	---	---	---	---	---
6D	14-Nov-08	6	1.11	0.48	<0.06	0.6	0.028	<0.1	7	7.7	<0.025	<0.1	ND
6D	17-Dec-08	---	---	---	---	---	0.022	<0.1	---	---	---	---	---
6D	23-Jan-09	---	---	---	---	---	0.028	<0.1	---	---	---	---	---
6D	17-Feb-09	8	0.72	0.46	<0.02	<0.5	0.023	<0.1	7	<6.0	<0.025	<0.1	ND
6D	23-Mar-09	---	---	---	---	---	0.021	<0.1	---	---	---	---	---
6D	29-Apr-09	---	---	---	---	---	0.023	<0.1	---	---	---	---	---
6D	26-May-09	<2.0	0.69	0.43	<0.02	<0.5	0.033	<0.1	7	6	<0.025	<0.1	ND
6D	16-Jun-09	---	---	---	---	---	0.035	<0.1	---	---	---	---	---
6D	29-Jul-09	---	---	---	---	---	0.026	<0.1	---	---	---	---	---
6D	25-Aug-09	5	0.75	0.49	<0.02	<0.5	0.02	<0.1	8	---	<0.025	<0.1	ND
6D	29-Sep-09	---	---	---	---	---	0.023	<0.1	---	---	---	---	---
6D	21-Oct-09	---	---	---	---	---	0.013	<0.1	---	---	---	---	---
6D	30-Nov-09	<2.0	0.66	0.4	<0.02	<0.5	0.022	<0.1	8	<6.0	<0.025	<0.1	ND
6D	10-Dec-09	---	---	---	---	---	0.02	<0.1	---	---	---	---	---
6D	25-Jan-10	---	---	---	---	---	0.018	<0.1	---	---	---	---	---
6D	23-Feb-10	3	0.72	0.46	<0.02	<0.5	0.021	<0.1	6	8	<0.025	<0.1	ND
6D	29-Mar-10	---	---	---	---	---	0.03	0.2	---	---	---	---	---
6D	30-Apr-10	---	---	---	---	---	0.009	<0.1	---	---	---	---	---
6D	25-May-10	6	0.72	0.46	<0.02	<0.5	0.01	<0.1	6	7	<0.025	<0.1	ND
6D	29-Jun-10	---	---	---	---	---	0.015	<0.1	---	---	---	---	---
6D	08-Jul-10	---	---	---	---	---	0.019	0.1	---	---	---	---	---

Appendix B Groundwater Quality Monitoring  
Analytical Parameters  
Inner/Outer Wells

Loc ID	Date	Alkalinity (CaCO3)	Total Nitrogen (TN)	Nitrate (NO3)	Nitrite (NO2)	TKN	Total Phosphorus (TP)	Orthophosphate (PO4)	Sodium (Na)	Chlorides (CL)	Copper (Cu)	Boron (B)	VOC
6D	27-Aug-10	4	0.69	0.43	<0.02	<0.5	0.021	<0.1	5	6	<0.025	<0.1	ND
6D	24-Sep-10	---	---	---	---	---	0.01	<0.1	---	---	---	---	---
6D	22-Oct-10	---	---	---	---	---	0.017	<0.1	---	---	---	---	---
6D	16-Nov-10	<2	0.7	0.44	<0.02	<0.5	<0.5	<0.1	6	7	<0.025	<0.1	ND
6D	22-Dec-10	---	---	---	---	---	0.014	<0.1	---	---	---	---	---
6D	11-Jan-11	---	---	---	---	---	0.008	<0.1	---	---	---	---	---
6D	17-Feb-11	4	0.75	0.49	<0.02	<0.5	0.02	<0.1	6	7	<0.025	<0.1	ND
6D	21-Mar-11	---	---	---	---	---	0.025	<0.1	---	---	---	---	---
6D	11-Apr-11	---	---	---	---	---	0.024	<0.1	---	---	---	---	---
6D	25-May-11	3	17.38*	0.37	<0.02	17*	0.022	<0.1	5.5	7	<0.003	<0.01	ND
6D	28-Jun-11	---	---	---	---	---	0.027	<0.1	---	---	---	---	---
6D	21-Jul-11	---	---	---	---	---	0.031	<0.1	---	---	---	---	---
6D	03-Aug-11	2	0.72	0.46	<0.02	<0.5	0.02	<0.1	5	<6	<0.025	<0.1	ND
6D	14-Sep-11	---	---	---	---	---	0.021	0.01	---	---	---	---	---
6D	28-Oct-11	---	---	---	---	---	0.021	0.018	---	---	---	---	---
6D	09-Nov-11	5.5	0.702	0.6	<0.004	<0.2	0.019	0.018	6.2	8	<0.003	<0.010	DETECTION
6D	13-Dec-11	---	---	---	---	---	0.027	0.014	---	---	---	---	---
6D	26-Jan-12	---	---	---	---	---	0.019	0.015	---	---	---	---	---
6D	27-Feb-12	5	1.02	0.71	<0.020	<0.6	0.029	0.007	6.1	7.5	<0.003	<0.010	DETECTION
6D	26-Mar-12	---	---	---	---	---	0.06	<0.05	---	---	---	---	---
6D	30-Apr-12	---	---	---	---	---	0.08	<0.05	---	---	---	---	---
6D	14-May-12	11	0.845	0.59	<0.01	<0.50	<0.05	<0.05	6.9	8.9	<0.010	<0.1	DETECTION
6D	21-Jun-12	---	---	---	---	---	0.07	<0.05	---	---	---	---	---
6D	11-Jul-12	---	---	---	---	---	0.06	<0.05	---	---	---	---	---
6D	15-Aug-12	11	0.945	0.69	<0.01	<0.50	0.08	<0.05	NS	6.5	<0.010	<0.1	ND
6D	28-Sep-12	---	---	---	---	---	0.05	<0.05	---	---	---	---	---
6D	22-Oct-12	---	---	---	---	---	<0.05	<0.05	---	---	---	---	---
6D	27-Nov-12	10	0.845	0.59	<0.01	<0.50	0.06	<0.05	6.8	7.7	<0.010	<0.1	ND
6D	28-Dec-12	---	---	---	---	---	0.07	0.05	---	---	---	---	---
1S	13-Jan-06	---	---	---	---	---	0.011	<0.1	---	---	---	---	---
1S	22-Feb-06	<5	<0.5	<0.02	<0.02	---	0.012	<0.1	7	9	<0.025	<0.1	ND
1S	28-Mar-06	---	---	---	---	---	0.01	<0.1	---	---	---	---	---
1S	26-Apr-06	---	---	---	---	---	0.01	<0.1	---	---	---	---	---
1S	30-May-06	3	<0.5	0.04	<0.02	---	0.016	<0.1	7	9	<0.025	<0.1	ND
1S	20-Jun-06	---	---	---	---	---	0.012	<0.1	---	---	---	---	---
1S	26-Jul-06	---	---	---	---	---	0.012	<0.1	---	---	---	---	---
1S	31-Aug-06	<5	<0.27	<0.02	<0.02	<0.5	0.014	<0.1	7	8	<0.025	<0.1	ND
1S	21-Sep-06	---	---	---	---	---	0.012	<0.1	---	---	---	---	---
1S	25-Oct-06	---	---	---	---	---	0.011	<0.1	---	---	---	---	---
1S	20-Nov-06	3	0.28	0.02	<0.02	<0.5	<0.005	<0.1	7	11	<0.025	<0.1	ND
1S	18-Dec-06	---	---	---	---	---	0.012	<0.1	---	---	---	---	---
1S	01-Jan-07	---	---	---	---	---	0.011	<0.1	---	---	---	---	---
1S	22-Feb-07	3	<0.27	<0.02	<0.02	<0.5	0.011	<0.1	7	9	<0.025	<0.10	ND

Appendix B Groundwater Quality Monitoring  
Analytical Parameters  
Inner/Outer Wells

Loc ID	Date	Alkalinity (CaCO3)	Total Nitrogen (TN)	Nitrate (NO3)	Nitrite (NO2)	TKN	Total Phosphorus (TP)	Orthophosphate (PO4)	Sodium (Na)	Chlorides (CL)	Copper (Cu)	Boron (B)	VOC
1S	01-Mar-07	---	---	---	---	---	0.11	0.2	---	---	---	---	---
1S	01-Apr-07	---	---	---	---	---	0.011	<0.1	---	---	---	---	---
1S	25-May-07	3	<0.27	<0.02	<0.02	<0.5	0.013	<0.1	6.8	10	<0.025	<0.1	ND
1S	14-Jun-07	---	---	---	---	---	0.014	<0.1	---	---	---	---	---
1S	11-Jul-07	---	---	---	---	---	0.008	<0.1	---	---	---	---	---
1S	21-Aug-07	3	0.28	0.02	<0.02	<0.5	0.009	<0.1	7	10	<0.025	<0.10	ND
1S	25-Sep-07	---	---	---	---	---	0.027	<0.1	---	---	---	---	---
1S	16-Oct-07	---	---	---	---	---	0.032	<0.1	---	---	---	---	---
1S	15-Nov-07	3	<0.27	<0.02	<0.02	<0.5	0.016	<0.1	7	9	<0.025	<0.1	ND
1S	21-Dec-07	---	---	---	---	---	0.013	<0.1	---	---	---	---	---
1S	08-Jan-08	---	---	---	---	---	0.011	<0.1	---	---	---	---	---
1S	20-Feb-08	3	<0.27	<0.02	<0.02	<0.5	0.011	0.013	6	9.2	<0.025	<0.1	ND
1S	28-Mar-08	---	---	---	---	---	0.009	<0.1	---	---	---	---	---
1S	23-Apr-08	---	---	---	---	---	0.012	<0.1	---	---	---	---	---
1S	14-May-08	3	<0.27	<0.02	<0.02	<0.5	0.01	<0.1	6	18	<0.025	<0.1	ND
1S	18-Jun-08	---	---	---	---	---	0.025	<0.1	---	---	---	---	---
1S	24-Jul-08	---	---	---	---	---	0.009	<0.1	---	---	---	---	---
1S	21-Aug-08	<2.0	0.62	<0.02	<0.02	0.6	0.016	<0.1	7	10	<0.025	<0.1	ND
1S	18-Sep-08	---	---	---	---	---	0.012	<0.1	---	---	---	---	---
1S	23-Oct-08	---	---	---	---	---	0.013	<0.1	---	---	---	---	---
1S	13-Nov-08	4	3.09	0.06	<0.06	3	0.016	<0.1	7	8.6	<0.025	<0.1	ND
1S	16-Dec-08	---	---	---	---	---	0.018	<0.1	---	---	---	---	---
1S	22-Jan-09	---	---	---	---	---	0.019	<0.1	---	---	---	---	---
1S	10-Feb-09	3	0.3	0.04	<0.02	<0.5	0.02	<0.1	6	7	<0.025	<0.1	ND
1S	23-Mar-09	---	---	---	---	---	0.016	<0.1	---	---	---	---	---
1S	21-Apr-09	---	---	---	---	---	0.029	<0.1	---	---	---	---	---
1S	21-May-09	5	0.3	0.04	<0.02	<0.5	0.01	<0.1	7	14	<0.025	<0.1	ND
1S	16-Jun-09	---	---	---	---	---	0.017	<0.1	---	---	---	---	---
1S	28-Jul-09	---	---	---	---	---	0.014	<0.1	---	---	---	---	---
1S	28-Aug-09	4	0.29	0.03	<0.02	<0.5	0.018	<0.1	1	---	<0.025	<0.1	ND
1S	29-Sep-09	---	---	---	---	---	0.01	<0.1	---	---	---	---	---
1S	20-Oct-09	---	---	---	---	---	0.012	<0.1	---	---	---	---	---
1S	10-Nov-09	<2.0	0.62	<0.02	<0.02	0.6	0.013	<0.1	6	10	<0.025	<0.1	ND
1S	08-Dec-09	---	---	---	---	---	0.033	<0.1	---	---	---	---	---
1S	28-Jan-10	---	---	---	---	---	0.011	<0.1	---	---	---	---	---
1S	10-Feb-10	<2	<0.27	<0.02	<0.02	<0.5	0.022	<0.1	8	7	<0.025	<0.1	ND
1S	09-Mar-10	---	---	---	---	---	0.089	<0.1	---	---	---	---	---
1S	29-Apr-10	---	---	---	---	---	0.014	<0.1	---	---	---	---	---
1S	24-May-10	3	0.82	<0.02	<0.02	0.8	<0.005	<0.1	6	<6	<0.025	<0.1	ND
1S	23-Jun-10	---	---	---	---	---	0.012	<0.1	---	---	---	---	---
1S	20-Jul-10	---	---	---	---	---	0.016	<0.1	---	---	---	---	---
1S	26-Aug-10	3	<0.27	<0.02	<0.02	<0.5	0.013	<0.1	5	10	<0.025	<0.1	ND
1S	21-Sep-10	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---

Appendix B Groundwater Quality Monitoring  
Analytical Parameters  
Inner/Outer Wells

Loc ID	Date	Alkalinity (CaCO3)	Total Nitrogen (TN)	Nitrate (NO3)	Nitrite (NO2)	TKN	Total Phosphorus (TP)	Orthophosphate (PO4)	Sodium (Na)	Chlorides (CL)	Copper (Cu)	Boron (B)	VOC
1S	18-Oct-10	---	---	---	---	---	0.015	<0.1	---	---	---	---	---
1S	15-Nov-10	<2	0.28	0.02	<0.02	<0.5	0.007	<0.1	6	9	<0.025	<0.1	ND
1S	14-Dec-10	---	---	---	---	---	0.013	<0.1	---	---	---	---	---
1S	11-Jan-11	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
1S	18-Feb-11	4	<0.27	<0.02	<0.02	<0.5	0.011	<0.1	6	8	<0.025	<0.1	ND
1S	22-Mar-11	---	---	---	---	---	0.026	<0.1	---	---	---	---	---
1S	29-Apr-11	---	---	---	---	---	<0.005	<0.1	---	---	---	---	---
1S	23-May-11	<2	<0.27	<0.02	<0.02	<0.5	0.015	<0.1	6.3	10	<0.025	<0.2	ND
1S	29-Jun-11	---	---	---	---	---	0.021	<0.1	---	---	---	---	---
1S	19-Jul-11	---	---	---	---	---	0.007	<0.1	---	---	---	---	---
1S	02-Aug-11	4	<0.27	<0.02	<0.02	<0.5	0.019	<0.1	5.9	7	<0.025	<0.1	ND
1S	23-Sep-11	---	---	---	---	---	0.036	0.012	---	---	---	---	---
1S	28-Oct-11	---	---	---	---	---	0.009	<0.005	---	---	---	---	---
1S	08-Nov-11	3.4	0.542	0.44	<0.004	<0.2	0.011	0.009	5.2	8.8	<0.003	0.01	DETECTION
1S	12-Dec-11	---	---	---	---	---	0.014	0.011	---	---	---	---	---
1S	10-Jan-12	---	---	---	---	---	0.007	<0.005	---	---	---	---	---
1S	14-Feb-12	2.8	0.46	0.15	<0.020	<0.6	0.043	<0.005	5.1	8.6	<0.003	<0.010	DETECTION
1S	20-Mar-12	---	---	---	---	---	<0.05	<0.05	---	---	---	---	---
1S	26-Apr-12	---	---	---	---	---	0.07	<0.05	---	---	---	---	---
1S	14-May-12	7	0.325	0.07	<0.01	<0.50	<0.05	<0.05	6.8	11	<0.010	<0.1	DETECTION
1S	19-Jun-12	---	---	---	---	---	0.04	<0.05	---	---	---	---	---
1S	11-Jul-12	---	---	---	---	---	0.07	<0.05	---	---	---	---	---
1S	14-Aug-12	8	0.295	0.04	<0.01	<0.50	0.05	<0.05	NS	8.3	<0.010	<0.1	DETECTION
1S	26-Sep-12	---	---	---	---	---	0.05	<0.05	---	---	---	---	---
1S	25-Oct-12	---	---	---	---	---	0.07	<0.05	---	---	---	---	---
1S	28-Nov-12	3	0.445	0.19	<0.01	<0.50	0.09	<0.05	6.9	12	<0.010	<0.1	DETECTION
1S	13-Dec-12	---	---	---	---	---	0.06	<0.05	---	---	---	---	---
USGS 475R	12-Jan-06	---	---	---	---	---	0.028	<0.1	---	---	---	---	---
USGS 475R	23-Feb-06	6	0.6	0.59	0.02	---	0.04	<0.1	8	10	<0.025	<0.1	ND
USGS 475R	30-Mar-06	---	---	---	---	---	0.027	<0.1	---	---	---	---	---
USGS 475R	27-Apr-06	---	---	---	---	---	0.026	<0.1	---	---	---	---	---
USGS475R	31-May-06	15	0.84	0.58	<0.02	<0.5	0.025	<0.1	8	10	<0.025	<0.1	ND
USGS475R	21-Jun-06	---	---	---	---	---	0.029	<0.1	---	---	---	---	---
USGS 475R	07-Jul-06	---	---	---	---	---	0.029	<0.1	---	---	---	---	---
USGS 475R	31-Aug-06	23	0.79	0.53	<0.02	<0.5	0.76	<0.1	8	9	<0.025	<0.1	ND
USGS 475R	22-Sep-06	---	---	---	---	---	0.027	<0.1	---	---	---	---	---
USGS 475R	25-Oct-06	---	---	---	---	---	0.041	<0.1	---	---	---	---	---
USGS 475R	20-Nov-06	8	0.74	0.48	<0.02	<0.5	0.028	<0.1	8	13	<0.025	<0.1	ND
USGS475R	18-Dec-06	---	---	---	---	---	0.045	<0.1	---	---	---	---	---
USGS 475R	01-Jan-07	---	---	---	---	---	0.069	<0.1	---	---	---	---	---
USGS 475R	22-Feb-07	8	0.69	0.43	<0.02	<0.5	0.03	0.1	8	10	<0.025	<0.10	ND
USGS 475R	01-Mar-07	---	---	---	---	---	0.026	<0.1	---	---	---	---	---
USGS 475R	01-Apr-07	---	---	---	---	---	0.054	<0.1	---	---	---	---	---

Appendix B Groundwater Quality Monitoring  
Analytical Parameters  
Inner/Outer Wells

Loc ID	Date	Alkalinity (CaCO3)	Total Nitrogen (TN)	Nitrate (NO3)	Nitrite (NO2)	TKN	Total Phosphorus (TP)	Orthophosphate (PO4)	Sodium (Na)	Chlorides (CL)	Copper (Cu)	Boron (B)	VOC
USGS475R	22-May-07	9	0.81	0.55	<0.02	<0.5	0.028	<0.1	8	10	<0.025	<0.1	ND
USGS 475R	14-Jun-07	---	---	---	---	---	0.026	<0.1	---	---	---	---	---
USGS 475R	12-Jul-07	---	---	---	---	---	0.036	<0.1	---	---	---	---	---
USGS475R	22-Aug-07	9	0.78	0.52	<0.02	<0.5	0.027	<0.1	8	10	<0.025	<0.10	ND
USGS 475R	25-Sep-07	---	---	---	---	---	0.042	<0.1	---	---	---	---	---
USGS 475R	16-Oct-07	---	---	---	---	---	0.043	<0.1	---	---	---	---	---
USGS475R	15-Nov-07	8	0.7	0.44	<0.02	<0.5	0.034	<0.1	8	10	<0.025	<0.1	ND
USGS 475R	21-Dec-07	---	---	---	---	---	0.048	<0.1	---	---	---	---	---
USGS475R	08-Jan-08	---	---	---	---	---	0.027	<0.1	---	---	---	---	---
USGS 475R	21-Feb-08	10	0.85	0.57	<0.06	<0.5	0.028	<0.1	8	10	<0.025	<0.1	ND
USGS 475R	28-Mar-08	---	---	---	---	---	0.027	<0.1	---	---	---	---	---
USGS 475R	24-Apr-08	---	---	---	---	---	0.027	<0.1	---	---	---	---	---
USGS 475R	15-May-08	8	0.87	0.61	<0.02	<0.5	0.031	<0.1	7	10	<0.025	<0.1	ND
USGS 475R	19-Jun-08	---	---	---	---	---	0.035	<0.1	---	---	---	---	---
USGS 475R	25-Jul-08	---	---	---	---	---	0.028	<0.1	---	---	---	---	---
USGS475R	28-Aug-08	7	1.06	0.55	<0.02	0.5	0.046	<0.1	8	13	<0.025	<0.1	ND
USGS 475R	16-Sep-08	---	---	---	---	---	0.031	<0.1	---	---	---	---	---
USGS 475R	24-Oct-08	---	---	---	---	---	0.024	<0.1	---	---	---	---	---
USGS475R	14-Nov-08	6	1.37	0.64	<0.06	0.7	0.028	<0.1	8	11	<0.025	<0.1	ND
USGS 475R	17-Dec-08	---	---	---	---	---	0.035	<0.1	---	---	---	---	---
USGS475R	23-Jan-09	---	---	---	---	---	0.034	<0.1	---	---	---	---	---
USGS475R	17-Feb-09	12	0.91	0.65	<0.02	<0.5	0.024	<0.1	8	12	<0.025	<0.1	ND
USGS475R	23-Mar-09	---	---	---	---	---	0.03	<0.1	---	---	---	---	---
USGS475R	29-Apr-09	---	---	---	---	---	0.027	<0.1	---	---	---	---	---
USGS475R	26-May-09	10	0.78	0.52	<0.02	<0.5	0.04	<0.1	8	9	<0.025	<0.1	ND
USGS475R	16-Jun-09	---	---	---	---	---	0.042	<0.1	---	---	---	---	---
USGS475R	29-Jul-09	---	---	---	---	---	0.034	<0.1	---	---	---	---	---
USGS475R	25-Aug-09	7	0.83	0.57	<0.02	<0.5	0.035	<0.1	9	NA	<0.025	<0.1	ND
USGS475R	29-Sep-09	---	---	---	---	---	0.036	<0.1	---	---	---	---	---
USGS475R	21-Oct-09	---	---	---	---	---	0.033	<0.1	---	---	---	---	---
USGS475R	30-Nov-09	<2.0	0.84	0.58	<0.02	<0.5	<0.005	<0.1	8	9	<0.025	<0.1	ND
USGS475R	10-Dec-09	---	---	---	---	---	0.028	<0.1	---	---	---	---	---
USGS475R	25-Jan-10	---	---	---	---	---	0.026	<0.1	---	---	---	---	---
USGS475R	23-Feb-10	4	0.79	0.53	<0.02	<0.5	0.032	<0.1	9	11	<0.025	<0.1	ND
USGS475R	29-Mar-10	---	---	---	---	---	0.045	0.1	---	---	---	---	---
USGS475R	30-Apr-10	---	---	---	---	---	0.007	<0.1	---	---	---	---	---
USGS475R	25-May-10	6	1.24	0.63	<0.02	0.6	0.026	<0.1	7	9	<0.025	<0.1	ND
USGS475R	29-Jun-10	---	---	---	---	---	0.025	<0.1	---	---	---	---	---
USGS475R	08-Jul-10	---	---	---	---	---	0.029	<0.1	---	---	---	---	---
USGS475R	27-Aug-10	6	0.89	0.63	<0.02	<0.5	0.034	<0.1	7	11	<0.025	<0.1	ND
USGS475R	24-Sep-10	---	---	---	---	---	<0.005	0.024	---	---	---	---	---
USGS475R	22-Oct-10	---	---	---	---	---	0.026	<0.1	---	---	---	---	---
USGS475R	16-Nov-10	3	0.84	0.58	<0.02	<0.5	<0.5	<0.1	7	11	<0.025	<0.1	Detection

Appendix B Groundwater Quality Monitoring  
Analytical Parameters  
Inner/Outer Wells

Loc ID	Date	Alkalinity (CaCO3)	Total Nitrogen (TN)	Nitrate (NO3)	Nitrite (NO2)	TKN	Total Phosphorus (TP)	Orthophosphate (PO4)	Sodium (Na)	Chlorides (CL)	Copper (Cu)	Boron (B)	VOC
USGS475R	22-Dec-10	---	---	---	---	---	0.02	<0.1	---	---	---	---	---
USGS475R	11-Jan-11	---	---	---	---	---	0.017	<0.1	---	---	---	---	---
USGS475R	17-Feb-11	4	0.98	0.72	<0.02	<0.5	0.024	<0.1	8	11	<0.025	<0.1	ND
USGS475R	21-Mar-11	---	---	---	---	---	0.041	<0.1	---	---	---	---	---
USGS475R	11-Apr-11	---	---	---	---	---	0.024	<0.1	---	---	---	---	---
USGS475R	25-May-11	4	0.9	0.64	<0.02	<0.5	0.041	<0.1	7.2	15	<0.003	<0.01	ND
USGS475R	28-Jun-11	---	---	---	---	---	0.031	<0.1	---	---	---	---	---
USGS475R	21-Jul-11	---	---	---	---	---	0.036	<0.1	---	---	---	---	---
USGS475R	03-Aug-11	4	0.95	0.69	<0.02	<0.5	0.021	<0.1	7	10	<0.025	<0.1	ND
USGS475R	15-Sep-11	---	---	---	---	---	0.028	0.018	---	---	---	---	---
USGS475R	28-Oct-11	---	---	---	---	---	0.021	0.018	---	---	---	---	---
USGS475R	09-Nov-11	5	1.04	0.83	<0.004	0.21	0.02	0.02	8.2	17.5	<0.003	0.055	ND
USGS475R	13-Dec-11	---	---	---	---	---	0.021	0.017	---	---	---	---	---
USGS475R	26-Jan-12	---	---	---	---	---	0.021	0.014	---	---	---	---	---
USGS475R	27-Feb-12	4.5	1.52	1.21	<0.020	<0.6	0.022	0.011	9	23.4	<0.003	0.008	ND
USGS475R	26-Mar-12	---	---	---	---	---	<0.05	<0.05	---	---	---	---	---
USGS475R	30-Apr-12	---	---	---	---	---	0.1	<0.05	---	---	---	---	---
USGS475R	14-May-12	11	1.145	0.89	<0.01	<0.50	<0.05	<0.05	9.3	20	<0.010	<0.1	ND
USGS475R	21-Jun-12	---	---	---	---	---	0.07	<0.05	---	---	---	---	---
USGS475R	11-Jul-12	---	---	---	---	---	0.06	<0.05	---	---	---	---	---
USGS475R	15-Aug-12	10	1.115	0.86	<0.01	<0.50	0.08	<0.05	NS	17	<0.010	<0.1	ND
USGS475R	28-Sep-12	---	---	---	---	---	0.03	<0.05	---	---	---	---	---
USGS475R	22-Oct-12	---	---	---	---	---	0.07	<0.05	---	---	---	---	---
USGS475R	28-Nov-12	7.1	1.655	1.4	<0.01	<0.50	0.06	<0.05	11	27	<0.010	<0.1	ND
USGS475R	20-Dec-12	---	---	---	---	---	0.09	<0.05	---	---	---	---	---

Appendix B Groundwater Quality Monitoring  
Field Parameters  
Inner/Outer Wells

Station ID	Date	Temperature (C)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Turbidity (NTU)	Water level (ft)
A8	01-Jan-06	---	---	---	5.57	---	25.79
A8	22-Feb-06	14.8	601.0	5.90	5.64	1.63	25.46
A8	28-Mar-06	---	---	---	5.61	---	26.15
A8	26-Apr-06	---	---	---	5.69	---	26.55
A8	30-May-06	15.0	162.6	7.50	5.67	0.72	25.36
A8	21-Jun-06	---	---	---	5.73	---	23.95
A8	26-Jul-06	---	---	---	5.31	---	24.06
A8	30-Aug-06	16.6	51.7	5.60	5.61	1.17	25.24
A8	22-Sep-06	---	---	---	5.43	---	25.72
A8	25-Oct-06	---	---	---	5.2	---	26.23
A8	15-Nov-06	15.1	773.0	7.30	5.17	0.71	22.83
A8	18-Dec-06	---	---	---	5.27	---	26.65
A8	01-Jan-07	---	---	---	5.05	---	27.04
A8	22-Feb-07	13.7	238.0	7.00	4.98	0.48	27.61
A8	01-Mar-07	---	---	---	5.11	---	27.44
A8	01-Apr-07	---	---	---	4.69	---	25.40
A8	22-May-07	16.5	112.4	7.30	5	0.76	25.36
A8	14-Jun-07	---	---	---	5.04	---	25.89
A8	11-Jul-07	---	---	---	4.95	---	26.11
A8	21-Aug-07	15.3	255.0	7.50	5.03	0.47	27.01
A8	24-Sep-07	---	---	---	4.96	---	27.60
A8	17-Oct-07	---	---	---	5.21	---	27.89
A8	14-Nov-07	14.4	513.0	7.20	5.39	0.64	28.04
A8	21-Dec-07	---	---	---	5.51	---	28.90
A8	08-Jan-08	---	---	---	5.55	---	28.00
A8	20-Feb-08	11.9	212.0	7.73	6.47	1.64	26.09
A8	25-Mar-08	---	---	---	6.38	---	26.41
A8	23-Apr-08	---	---	---	6.44	---	26.68
A8	14-May-08	14.1	520.0	7.58	6.07	0.45	26.40
A8	18-Jun-08	---	---	---	6.29	---	26.97
A8	25-Jul-08	---	---	---	6.42	---	26.34
A8	21-Aug-08	18.2	1560.0	1.80	---	0.44	26.92
A8	16-Sep-08	---	---	---	6.57	---	27.06
A8	24-Oct-08	---	---	---	6.68	---	26.69
A8	13-Nov-08	17.7	1062.0	4.90	6.72	1.21	27.21
A8	16-Dec-08	---	---	---	6.73	---	26.54
A8	22-Jan-09	---	---	---	6.77	---	26.57
A8	11-Feb-09	16.4	808.0	7.30	6.78	1.80	26.57
A8	23-Mar-09	---	---	---	6.65	---	26.82
A8	21-Apr-09	---	---	---	6.8	---	26.47
A8	21-May-09	16.4	761.0	5.20	6.92	1.70	26.50
A8	16-Jun-09	---	---	---	6.47	---	27.53
A8	29-Jul-09	---	---	---	6.45	---	26.87
A8	28-Aug-09	15.0	1095.0	8.93	5.8	1.55	26.84
A8	28-Sep-09	---	---	---	5.71	---	26.85
A8	21-Oct-09	---	---	---	5.94	---	26.71
A8	10-Nov-09	16.2	1273.0	6.35	6.21	188.00	26.50
A8	08-Dec-09	---	---	---	5.99	---	26.59
A8	28-Jan-10	---	---	---	5.78	---	25.67
A8	11-Feb-10	14.9	1428.0	4.84	5.5	1.90	26.13
A8	09-Mar-10	---	---	---	5.68	---	25.24
A8	22-Apr-10	---	---	---	5.68	---	22.85
A8	24-May-10	16.7	1227.0	5.56	5.77	1.02	24.09
A8	23-Jun-10	---	---	---	5.25	---	25.00
A8	14-Jul-10	---	---	---	5.96	---	25.60
A8	26-Aug-10	16.6	1346.0	2.96	5.35	---	26.17
A8	21-Sep-10	---	---	---	5.65	---	26.97
A8	18-Oct-10	---	---	---	5.49	---	26.70
A8	15-Nov-10	18.5	1550.0	2.79	6.05	---	27.28
A8	14-Dec-10	---	---	---	5.94	---	27.79
A8	11-Jan-11	---	---	---	5.96	---	27.87
A8	17-Feb-11	18.9	15.65	3.55	6	0.25	27.54
A8	21-Mar-11	---	---	---	6.01	---	27.06

Appendix B Groundwater Quality Monitoring  
Field Parameters  
Inner/Outer Wells

Station ID	Date	Temperature (C)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Turbidity (NTU)	Water level (ft)
A8	29-Apr-11	---	---	---	6.11	---	26.46
A8	23-May-11	14.8	1720	6.01	6.27	0.85	26.69
A8	21-Jun-11	---	---	---	6.61	---	27
A8	19-Jul-11	---	---	---	6.66	---	27.04
A8	03-Aug-11	14.6	1804	4.2	6.62	0.43	27.2
A8	15-Sep-11	---	---	---	6.87	---	26.37
A8	28-Oct-11	---	---	---	6.53	---	26.52
A8	08-Nov-11	20.5	1866	3.18	6.51	0.77	26.4
A8	12-Dec-11	---	---	---	6.47	---	26.37
A8	10-Jan-12	---	---	---	6.59	---	24.42
A8	14-Feb-12	18.2	1619	3.96	6.75	0.64	26.82
A8	20-Mar-12	---	---	---	6.77	---	27.2
A8	26-Apr-12	---	---	---	6.62	---	28.05
A8	14-May-12	15.8	1497	4.25	6.6	1.06	26.99
A8	20-Jun-12	---	---	---	6.71	---	27.44
A8	12-Jul-12	---	---	---	6.67	---	28.66
A8	14-Aug-12	15.5	1702	2.72	6.65	1.09	28.55
A8	26-Sep-12	---	---	---	6.56	---	29
A8	30-Oct-12	---	---	---	6.53	---	29.39
A8	28-Nov-12	13.3	1670	1.1	6.52	1.57	29.5
A8	13-Dec-12	---	---	---	6.57	---	29.61
A9	01-Jan-06	---	---	---	5.33	---	54.40
A9	22-Feb-06	11.0	185.0	6.80	5.22	0.96	54.04
A9	28-Mar-06	---	---	---	5.14	---	54.62
A9	26-Apr-06	---	---	---	5.33	---	55.15
A9	30-May-06	13.2	130.5	7.30	5.33	1.11	54.16
A9	20-Jun-06	---	---	---	5.35	---	53.03
A9	07-Jul-06	---	---	---	5.32	---	52.98
A9	30-Aug-06	13.6	164.2	7.00	5.09	1.32	54.32
A9	22-Sep-06	---	---	---	5.09	---	54.80
A9	25-Oct-06	---	---	---	5.09	---	55.17
A9	15-Nov-06	12.6	17.1	7.70	5.1	0.57	55.70
A9	18-Dec-06	---	---	---	5.56	---	54.69
A9	01-Jan-07	---	---	---	4.93	---	55.83
A9	20-Feb-07	11.8	191.8	6.80	4.78	0.34	56.20
A9	01-Mar-07	---	---	---	4.87	---	56.22
A9	01-Apr-07	---	---	---	4.78	---	54.95
A9	22-May-07	14.3	359.0	7.30	4.93	0.96	54.43
A9	15-Jun-07	---	---	---	4.88	---	54.54
A9	11-Jul-07	---	---	---	4.71	---	55.00
A9	21-Aug-07	13.4	380.0	6.00	4.85	0.40	55.76
A9	25-Sep-07	---	---	---	5.05	---	56.38
A9	16-Oct-07	---	---	---	4.8	---	56.70
A9	14-Nov-07	12.0	406.0	7.30	4.79	0.54	57.00
A9	21-Dec-07	---	---	---	4.67	---	57.36
A9	08-Jan-08	---	---	---	4.75	---	56.95
A9	20-Feb-08	10.8	361.0	4.94	5.79	1.13	56.24
A9	25-Mar-08	---	---	---	5.67	---	55.47
A9	23-Apr-08	---	---	---	5.64	---	55.64
A9	14-May-08	13.2	512.0	6.09	6.09	2.28	55.75
A9	18-Jun-08	---	---	---	5.52	---	55.97
A9	24-Jul-08	---	---	---	5.54	---	56.28
A9	21-Aug-08	13.7	575.0	5.40	---	3.28	56.50
A9	18-Sep-08	---	---	---	5.66	---	56.56
A9	23-Oct-08	---	---	---	5.52	---	56.03
A9	13-Nov-08	12.4	755.0	5.10	5.43	0.67	127.22
A9	16-Dec-08	---	---	---	5.55	---	55.96
A9	22-Jan-09	---	---	---	5.52	---	55.35
A9	11-Feb-09	11.5	840.0	7.10	5.51	0.69	55.55
A9	23-Mar-09	---	---	---	5.44	---	55.60
A9	21-Apr-09	---	---	---	5.5	---	55.22
A9	21-May-09	15.0	818.0	5.30	5.63	0.78	55.10
A9	16-Jun-09	---	---	---	5.54	---	55.09

Appendix B Groundwater Quality Monitoring  
Field Parameters  
Inner/Outer Wells

Station ID	Date	Temperature (C)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Turbidity (NTU)	Water level (ft)
A9	28-Jul-09	---	---	---	5.55	---	55.59
A9	28-Aug-09	13.4	883.0	4.00	4.94	0.83	55.73
A9	28-Sep-09	---	---	---	4.91	---	55.69
A9	20-Oct-09	---	---	---	4.92	---	55.55
A9	09-Nov-09	13.2	924.0	6.45	5.05	2.04	55.41
A9	08-Dec-09	---	---	---	4.8	---	57.60
A9	28-Jan-10	---	---	---	4.95	---	54.50
A9	10-Feb-10	12.0	975.0	5.24	5.22	1.17	54.54
A9	09-Mar-10	---	---	---	4.72	---	54.32
A9	29-Apr-10	---	---	---	4.82	---	52.20
A9	24-May-10	14.2	857.0	5.56	5.11	0.59	52.82
A9	23-Jun-10	---	---	---	4.99	---	53.59
A9	20-Jul-10	---	---	---	4.6	---	67.90
A9	26-Aug-10	14.3	878.0	4.19	4.74	1.09	55.36
A9	21-Sep-10	---	---	---	4.77	---	55.70
A9	18-Oct-10	---	---	---	5.55	---	55.90
A9	15-Nov-10	13.3	958.0	4.19	5.59	0.45	56.27
A9	14-Dec-10	---	---	---	5.65	---	57.55
A9	11-Jan-11	---	---	---	5.48	---	56.82
A9	18-Feb-11	13.1	1000	4.27	5.56	0.7	56.55
A9	22-Mar-11	---	---	---	5.52	---	55.92
A9	29-Apr-11	---	---	---	5.52	---	55.51
A9	23-May-11	13	1008	4.2	5.37	0.8	55.58
A9	29-Jun-11	---	---	---	5.38	---	55.93
A9	19-Jul-11	---	---	---	5.48	---	56.04
A9	02-Aug-11	15.1	908	4.7	5.43	0.25	56.18
A9	23-Sep-11	---	---	---	5.59	---	56.18
A9	28-Oct-11	---	---	---	5.59	---	56.19
A9	08-Nov-11	14.1	92.3	4.96	5.67	0.65	55.84
A9	12-Dec-11	---	---	---	5.55	---	56.72
A9	10-Jan-12	---	---	---	5.54	---	55.77
A9	14-Feb-12	14.2	940	4.67	5.8	0.29	55.9
A9	20-Mar-12	---	---	---	5.9	---	56.2
A9	26-Apr-12	---	---	---	5.48	---	56.71
A9	14-May-12	14.7	935	4.11	5.49	0.66	56.9
A9	19-Jun-12	---	---	---	5.48	---	56.95
A9	11-Jul-12	---	---	---	5.5	---	57.25
A9	14-Aug-12	15.7	964	3.9	5.5	0.76	57.3
A9	26-Sep-12	---	---	---	5.45	---	57.72
A9	25-Oct-12	---	---	---	5.41	---	58.08
A9	28-Nov-12	12.5	887	5.32	5.53	0.82	58.2
A9	13-Dec-12	---	---	---	5.57	---	58.33
A10	01-Jan-06	---	---	---	4.79	---	66.31
A10	22-Feb-06	12.0	131.3	5.90	4.72	0.42	66.44
A10	28-Mar-06	---	---	---	4.53	---	66.94
A10	26-Apr-06	---	---	---	4.77	---	67.37
A10	30-May-06	13.3	223.0	7.30	4.55	0.46	67.59
A10	20-Jun-06	---	---	---	4.85	---	66.70
A10	07-Jul-06	---	---	---	4.57	---	65.69
A10	30-Aug-06	14.4	198.7	7.10	4.69	1.41	65.72
A10	22-Sep-06	---	---	---	4.59	---	65.12
A10	25-Oct-06	---	---	---	4.38	---	67.66
A10	15-Nov-06	13.3	472.0	7.10	4.5	0.89	67.81
A10	18-Dec-06	---	---	---	4.57	---	67.66
A10	01-Jan-07	---	---	---	4.37	---	67.91
A10	20-Feb-07	12.6	384.0	6.30	4.5	0.48	68.19
A10	01-Mar-07	---	---	---	4.43	---	68.21
A10	01-Apr-07	---	---	---	4.43	---	67.12
A10	22-May-07	15.1	260.0	7.30	4.41	0.58	66.00
A10	14-Jun-07	---	---	---	4.26	---	66.90
A10	11-Jul-07	---	---	---	4.27	---	67.26
A10	21-Aug-07	14.3	333.0	6.70	4.61	0.70	67.88

Appendix B Groundwater Quality Monitoring  
Field Parameters  
Inner/Outer Wells

Station ID	Date	Temperature (C)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Turbidity (NTU)	Water level (ft)
A10	24-Sep-07	---	---	---	6.67	---	68.42
A10	17-Oct-07	---	---	---	4.52	---	68.60
A10	14-Nov-07	13.0	818.0	7.30	4.49	0.62	68.80
A10	21-Dec-07	---	---	---	4.51	---	69.07
A10	08-Jan-08	---	---	---	4.58	---	68.72
A10	21-Feb-08	12.0	861.0	5.53	5.2	0.55	68.22
A10	25-Mar-08	---	---	---	5.3	---	67.72
A10	23-Apr-08	---	---	---	5.32	---	67.84
A10	14-May-08	14.6	342.0	6.84	5.12	0.37	67.90
A10	18-Jun-08	---	---	---	5.25	---	68.09
A10	24-Jul-08	---	---	---	5.24	---	68.31
A10	21-Aug-08	15.3	679.0	5.40	---	0.72	68.38
A10	18-Sep-08	---	---	---	5.28	---	68.46
A10	23-Oct-08	---	---	---	5.23	---	68.09
A10	13-Nov-08	13.7	545.0	5.40	5.16	0.49	68.32
A10	16-Dec-08	---	---	---	5.2	---	62.03
A10	22-Jan-09	---	---	---	5.31	---	67.70
A10	11-Feb-09	12.9	262.0	6.50	5.28	0.93	67.85
A10	23-Mar-09	---	---	---	5.16	---	67.92
A10	29-Apr-09	---	---	---	5.35	---	67.58
A10	21-May-09	16.0	172.4	6.10	5.51	0.63	67.81
A10	16-Jun-09	---	---	---	5.4	---	68.53
A10	28-Jul-09	---	---	---	5.41	---	68.20
A10	28-Aug-09	14.8	312.0	4.71	4.88	0.42	67.93
A10	29-Sep-09	---	---	---	4.96	---	67.84
A10	20-Oct-09	---	---	---	5.27	---	67.74
A10	09-Nov-09	14.1	470.0	5.65	4.71	0.68	67.58
A10	08-Dec-09	---	---	---	4.69	---	67.72
A10	28-Jan-10	---	---	---	4.64	---	67.10
A10	10-Feb-10	12.6	320.0	6.47	4.43	0.61	66.95
A10	09-Mar-10	---	---	---	4.46	---	66.70
A10	29-Apr-10	---	---	---	4.41	---	65.90
A10	24-May-10	14.7	161.7	7.18	4.83	0.95	65.58
A10	23-Jun-10	---	---	---	4.56	---	66.22
A10	20-Jul-10	---	---	---	5	---	54.10
A10	26-Aug-10	14.8	545.0	5.80	4.1	1.17	67.57
A10	21-Sep-10	---	---	---	4.48	---	67.97
A10	18-Oct-10	---	---	---	4.35	---	67.97
A10	15-Nov-10	14.1	792.0	5.18	5.12	0.74	68.24
A10	14-Dec-10	---	---	---	5.14	---	68.56
A10	11-Jan-11	---	---	---	5.07	---	68.73
A10	18-Feb-11	13.8	926	4.61	5.11	1.42	68.62
A10	22-Mar-11	---	---	---	5.04	---	68
A10	29-Apr-11	---	---	---	5.07	---	67.65
A10	23-May-11	14.1	595	5.71	4.9	0.56	67.68
A10	21-Jun-11	---	---	---	4.81	---	67.92
A10	19-Jul-11	---	---	---	5.06	---	68.1
A10	02-Aug-11	16.8	543	5.67	5.67	0.65	68.2
A10	23-Sep-11	---	---	---	5	---	68.15
A10	28-Oct-11	---	---	---	5.08	---	68.1
A10	08-Nov-11	15	798	4.66	5.1	0.63	67.68
A10	12-Dec-11	---	---	---	5.1	---	67.76
A10	11-Jan-12	---	---	---	5.05	---	67.9
A10	14-Feb-12	15	543	4.6	5.57	0.73	67.9
A10	20-Mar-12	---	---	---	5.5	---	68.2
A10	26-Apr-12	---	---	---	5.07	---	68.63
A10	14-May-12	15.9	758	3.86	5.04	0.87	68.74
A10	19-Jun-12	---	---	---	5.04	---	67.85
A10	11-Jul-12	---	---	---	5.06	---	68.07
A10	14-Aug-12	15.5	62.7	3.04	5.07	0.52	68.15
A10	26-Sep-12	---	---	---	5.02	---	69.44
A10	26-Oct-12	---	---	---	5.07	---	69.64
A10	28-Nov-12	13.8	857	4.41	5.05	1.17	69.79

Appendix B Groundwater Quality Monitoring  
Field Parameters  
Inner/Outer Wells

Station ID	Date	Temperature (C)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Turbidity (NTU)	Water level (ft)
A10	13-Dec-12	---	---	---	5.06	---	69.87
A11	01-Jan-06	---	---	---	5.04	---	21.69
A11	22-Feb-06	13.6	239.0	5.90	5.04	0.70	21.43
A11	28-Mar-06	---	---	---	4.91	---	22.10
A11	26-Apr-06	---	---	---	5.02	---	22.49
A11	31-May-06	14.5	367.0	5.20	4.86	0.70	21.37
A11	20-Jun-06	---	---	---	4.84	---	20.08
A11	26-Jul-06	---	---	---	4.94	---	20.38
A11	30-Aug-06	15.1	2.6	4.40	4.96	1.01	21.60
A11	22-Sep-06	---	---	---	5.03	---	22.06
A11	25-Oct-06	---	---	---	4.74	---	22.58
A11	20-Nov-06	13.4	233.0	5.20	4.86	0.24	22.70
A11	18-Dec-06	---	---	---	4.81	---	22.55
A11	01-Jan-07	---	---	---	4.81	---	22.81
A11	20-Feb-07	12.7	252.0	5.10	4.58	0.36	23.25
A11	01-Mar-07	---	---	---	4.72	---	23.14
A11	01-Apr-07	---	---	---	4.35	---	21.70
A11	22-May-07	16.5	189.3	6.00	4.56	2.52	22.53
A11	14-Jun-07	---	---	---	4.55	---	21.81
A11	11-Jul-07	---	---	---	4.54	---	22.23
A11	22-Aug-07	14.9	230.0	5.00	4.62	0.65	22.90
A11	24-Sep-07	---	---	---	4.9	---	23.45
A11	16-Oct-07	---	---	---	4.77	---	23.78
A11	14-Nov-07	14.0	201.0	7.30	4.52	0.42	23.46
A11	21-Dec-07	---	---	---	4.79	---	24.60
A11	08-Jan-08	---	---	---	4.93	---	24.00
A11	20-Feb-08	13.0	194.8	6.19	5.27	0.46	22.95
A11	25-Mar-08	---	---	---	5.57	---	22.49
A11	23-Apr-08	---	---	---	5.52	---	23.81
A11	14-May-08	14.0	177.1	6.54	5.7	0.35	22.75
A11	18-Jun-08	---	---	---	5.6	---	23.12
A11	24-Jul-08	---	---	---	5.63	---	30.00
A11	21-Aug-08	15.6	18.3	5.90	---	0.16	23.23
A11	16-Sep-08	---	---	---	5.68	---	23.23
A11	24-Oct-08	---	---	---	5.63	---	22.90
A11	13-Nov-08	13.2	196.7	5.20	5.55	0.53	23.16
A11	16-Dec-08	---	---	---	5.57	---	22.52
A11	22-Jan-09	---	---	---	5.56	---	22.39
A11	11-Feb-09	12.9	230.0	7.40	5.59	0.37	22.49
A11	23-Mar-09	---	---	---	5.5	---	22.56
A11	21-Apr-09	---	---	---	5.58	---	22.36
A11	21-May-09	16.7	260.0	3.55	5.59	0.38	22.23
A11	16-Jun-09	---	---	---	5.59	---	23.02
A11	28-Jul-09	---	---	---	5.59	---	23.05
A11	25-Aug-09	14.7	216.0	4.33	5	0.52	22.49
A11	28-Sep-09	---	---	---	4.91	---	23.59
A11	20-Oct-09	---	---	---	5.02	---	23.42
A11	09-Nov-09	14.2	21.6	5.56	4.76	0.42	23.31
A11	08-Dec-09	---	---	---	5.18	---	22.30
A11	21-Jan-10	---	---	---	5.05	---	22.71
A11	24-Feb-10	12.4	279.0	3.59	5.24	0.53	23.18
A11	10-Mar-10	---	---	---	5.4	---	21.12
A11	22-Apr-10	---	---	---	4.57	---	19.31
A11	25-May-10	18.4	252.0	4.72	5.44	0.53	20.21
A11	23-Jun-10	---	---	---	4.71	---	21.00
A11	14-Jul-10	---	---	---	5.61	---	21.50
A11	26-Aug-10	14.8	230.0	4.74	4.75	0.37	22.09
A11	21-Sep-10	---	---	---	4.9	---	22.66
A11	18-Oct-10	---	---	---	5.63	---	22.47
A11	15-Nov-10	13.5	177.9	4.08	5.68	0.55	22.95
A11	15-Dec-10	---	---	---	5.53	---	23.43
A11	11-Jan-11	---	---	---	5.55	---	23.52
A11	18-Feb-11	12.9	236	3.36	5.57	0.37	25.2

Appendix B Groundwater Quality Monitoring  
Field Parameters  
Inner/Outer Wells

Station ID	Date	Temperature (C)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Turbidity (NTU)	Water level (ft)
A11	22-Mar-11	---	---	---	5.53	---	22.87
A11	11-Apr-11	---	---	---	5.51	---	22.76
A11	23-May-11	13.7	217	3.68	5.38	1.37	22.55
A11	21-Jun-11	---	---	---	5.35	---	22.8
A11	19-Jul-11	---	---	---	5.5	---	22.93
A11	02-Aug-11	15.5	443	4.43	5.44	162	23.1
A11	15-Sep-11	---	---	---	5.69	---	22.5
A11	31-Oct-11	---	---	---	5.52	---	22.37
A11	08-Nov-11	15	214	4.03	5.6	0.45	22.42
A11	13-Dec-11	---	---	---	5.49	---	22.7
A11	10-Jan-12	---	---	---	5.45	---	22.73
A11	14-Feb-12	14.4	309	7.14	5.69	0.49	21.15
A11	21-Mar-12	---	---	---	5.41	---	21.27
A11	26-Apr-12	---	---	---	5.43	---	23.72
A11	14-May-12	15.5	2.14	5.33	5.47	0.31	23.65
A11	19-Jun-12	---	---	---	5.43	---	24.06
A11	12-Jul-12	---	---	---	5.46	---	25.31
A11	14-Aug-12	17.5	217	3.8	5.87	1.16	37.87
A11	26-Sep-12	---	---	---	5.27	---	24.62
A11	22-Oct-12	---	---	---	5.4	---	24.87
A11	28-Nov-12	12.9	206	4.8	5.44	0.3	25.07
A11	31-Dec-12	---	---	---	5.58	---	24.87
A16	01-Jan-06	---	---	---	4.86	---	21.62
A16	22-Feb-06	14.1	141.0	0.80	4.78	0.25	21.22
A16	28-Mar-06	---	---	---	4.67	---	21.86
A16	26-Apr-06	---	---	---	5.02	---	22.49
A16	30-May-06	14.5	132.0	0.80	4.69	1.04	20.09
A16	20-Jun-06	---	---	---	4.86	---	19.83
A16	26-Jul-06	---	---	---	4.74	---	19.93
A16	30-Aug-06	16.6	51.7	2.10	4.75	1.17	21.26
A16	22-Sep-06	---	---	---	4.64	---	21.76
A16	25-Oct-06	---	---	---	4.45	---	22.43
A16	20-Nov-06	13.2	156.4	1.20	4.58	0.44	22.73
A16	18-Dec-06	---	---	---	4.51	---	22.45
A16	01-Jan-07	---	---	---	4.4	---	22.82
A16	20-Feb-07	13.9	143.2	0.70	4.11	0.44	23.32
A16	01-Mar-07	---	---	---	4.29	---	23.20
A16	01-Apr-07	---	---	---	4.05	---	21.34
A16	22-May-07	15.6	157.5	2.30	4.54	0.65	21.34
A16	14-Jun-07	---	---	---	4.3	---	21.60
A16	11-Jul-07	---	---	---	4.23	---	22.07
A16	21-Aug-07	14.7	156.0	1.70	4.42	0.21	22.90
A16	24-Sep-07	---	---	---	4.93	---	23.45
A16	16-Oct-07	---	---	---	4.91	---	23.78
A16	14-Nov-07	13.8	184.0	3.00	4.51	0.52	24.00
A16	21-Dec-07	---	---	---	4.53	---	24.90
A16	08-Jan-08	---	---	---	4.69	---	23.89
A16	20-Feb-08	11.8	196.4	1.50	5.23	0.40	23.00
A16	25-Mar-08	---	---	---	5.24	---	22.40
A16	23-Apr-08	---	---	---	5.33	---	22.70
A16	14-May-08	14.4	169.4	1.70	5.2	0.16	22.65
A16	18-Jun-08	---	---	---	5.35	---	23.03
A16	24-Jul-08	---	---	---	5.35	---	23.11
A16	21-Aug-08	16.9	164.8	0.03	---	0.49	23.20
A16	17-Sep-08	---	---	---	5.43	---	23.31
A16	23-Oct-08	---	---	---	5.4	---	22.82
A16	13-Nov-08	13.3	164.7	1.10	5.26	0.55	23.17
A16	17-Dec-08	---	---	---	5.25	---	22.30
A16	22-Jan-09	---	---	---	5.22	---	22.37
A16	11-Feb-09	12.9	165.4	2.80	5.3	0.40	22.37
A16	23-Mar-09	---	---	---	5.17	---	22.50
A16	21-Apr-09	---	---	---	5.19	---	22.07
A16	21-May-09	11.8	55.7	1.10	5.46	0.66	22.18

Appendix B Groundwater Quality Monitoring  
Field Parameters  
Inner/Outer Wells

Station ID	Date	Temperature (C)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Turbidity (NTU)	Water level (ft)
A16	16-Jun-09	---	---	---	5.3	---	22.98
A16	29-Jul-09	---	---	---	5.29	---	22.51
A16	28-Aug-09	15.1	176.7	1.85	4.75	0.11	22.59
A16	28-Sep-09	---	---	---	4.65	---	22.60
A16	21-Oct-09	---	---	---	4.82	---	22.50
A16	10-Nov-09	14.1	185.2	4.15	4.74	0.45	22.15
A16	08-Dec-09	---	---	---	4.72	---	22.29
A16	25-Jan-10	---	---	---	4.91	---	21.56
A16	10-Feb-10	12.9	204.0	1.20	4.57	0.62	21.56
A16	09-Mar-10	---	---	---	5.01	---	20.90
A16	22-Apr-10	---	---	---	4.44	---	18.95
A16	24-May-10	15.9	1902.0	1.38	4.89	0.28	19.91
A16	23-Jun-10	---	---	---	4.61	---	20.76
A16	14-Jul-10	---	---	---	5.25	---	21.41
A16	27-Aug-10	12.2	196.1	1.20	13.5	0.60	22.15
A16	21-Sep-10	---	---	---	4.8	---	22.68
A16	18-Oct-10	---	---	---	5.14	---	22.50
A16	15-Nov-10	14.1	231.0	0.97	5.25	0.60	23.10
A16	14-Dec-10	---	---	---	5.21	---	23.50
A16	11-Jan-11	---	---	---	5.16	---	23.8
A16	17-Feb-11	14.6	233	1.17	5.19	0.63	23.38
A16	22-Mar-11	---	---	---	5.17	---	22.91
A16	29-Apr-11	---	---	---	5.21	---	22.38
A16	25-May-11	15.1	233	1.64	5.14	0.51	22.64
A16	21-Jun-11	---	---	---	5.16	---	22.93
A16	28-Jul-11	---	---	---	5.28	---	23.02
A16	03-Aug-11	16.4	209	0.98	5.32	0.32	23
A16	15-Sep-11	---	---	---	5.5	---	22.72
A16	31-Oct-11	---	---	---	5.2	---	22.5
A16	10-Nov-11	14.6	226	1.46	5.27	0.36	22.56
A16	14-Dec-11	---	---	---	5.25	---	22.44
A16	10-Jan-12	---	---	---	5.26	---	22.84
A16	28-Feb-12	14.6	226	0.94	5.5	0.44	23.13
A16	21-Mar-12	---	---	---	5.17	---	23.35
A16	26-Apr-12	---	---	---	5.16	---	23.85
A16	15-May-12	15.5	229	1.15	5.18	0.45	23.82
A16	19-Jun-12	---	---	---	5.12	---	24.2
A16	12-Jul-12	---	---	---	5.18	---	24.47
A16	16-Aug-12	16.3	241	1.25	5.18	0.44	24.32
A16	26-Sep-12	---	---	---	5.13	---	24.85
A16	30-Oct-12	---	---	---	5.29	---	25.14
A16	28-Nov-12	13.2	278	1.28	5.2	0.66	25.33
A16	13-Dec-12	---	---	---	5.26	---	25.36
1S	01-Jan-06	---	---	---	5.23	---	54.10
1S	23-Feb-06	10.5	51.6	8.10	5.23	0.31	53.61
1S	28-Mar-06	---	---	---	5.18	---	54.05
1S	26-Apr-06	---	---	---	5.29	---	54.53
1S	30-May-06	11.6	54.2	9.10	5	0.82	54.00
1S	20-Jun-06	---	---	---	5.11	---	53.13
1S	26-Jul-06	---	---	---	5	---	52.86
1S	31-Aug-06	11.9	56.6	8.70	5.17	1.15	53.93
1S	22-Sep-06	---	---	---	4.9	---	54.33
1S	25-Oct-06	---	---	---	4.89	---	57.00
1S	20-Nov-06	12.6	58.4	9.80	4.84	1.11	55.30
1S	18-Dec-06	---	---	---	5.58	---	54.24
1S	01-Jan-07	---	---	---	4.77	---	55.44
1S	22-Feb-07	10.0	52.6	8.50	4.81	0.37	55.63
1S	01-Mar-07	---	---	---	4.58	---	63.30
1S	01-Apr-07	---	---	---	4.65	---	26.46
1S	22-May-07	13.8	66.8	7.30	4.89	1.56	53.98
1S	15-Jun-07	---	---	---	4.72	---	54.12
1S	11-Jul-07	---	---	---	4.41	---	54.50
1S	21-Aug-07	11.8	52.2	8.70	4.69	0.59	55.21

Appendix B Groundwater Quality Monitoring  
Field Parameters  
Inner/Outer Wells

Station ID	Date	Temperature (C)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Turbidity (NTU)	Water level (ft)
1S	25-Sep-07	---	---	---	4.91	---	56.80
1S	16-Oct-07	---	---	---	4.69	---	56.04
1S	14-Nov-07	11.6	56.1	7.90	4.58	1.68	56.35
1S	21-Dec-07	---	---	---	4.45	---	56.68
1S	08-Jan-08	---	---	---	4.82	---	55.97
1S	20-Feb-08	10.1	55.7	9.16	5.74	1.22	55.92
1S	28-Mar-08	---	---	---	5.88	---	55.20
1S	23-Apr-08	---	---	---	5.82	---	55.15
1S	14-May-08	14.6	50.4	8.97	5.74	0.49	55.50
1S	18-Jun-08	---	---	---	5.78	---	55.47
1S	24-Jul-08	---	---	---	5.74	---	55.80
1S	21-Aug-08	12.4	54.0	4.40	---	0.75	56.06
1S	18-Sep-08	---	---	---	5.82	---	56.09
1S	23-Oct-08	---	---	---	5.87	---	55.75
1S	13-Nov-08	10.8	52.4	5.10	5.57	0.63	55.93
1S	16-Dec-08	---	---	---	5.75	---	55.69
1S	22-Jan-09	---	---	---	5.74	---	55.03
1S	11-Feb-09	10.3	52.6	6.90	5.8	0.82	55.20
1S	23-Mar-09	---	---	---	5.64	---	55.92
1S	21-Apr-09	---	---	---	5.76	---	54.92
1S	21-May-09	13.6	60.2	7.10	5.76	0.47	54.82
1S	16-Jun-09	---	---	---	5.84	---	55.60
1S	28-Jul-09	---	---	---	5.41	---	68.20
1S	28-Aug-09	11.4	59.2	5.56	5.11	0.36	55.34
1S	29-Sep-09	---	---	---	5.17	---	55.27
1S	20-Oct-09	---	---	---	5.07	---	55.45
1S	09-Nov-09	11.6	56.7	6.77	4.9	0.56	55.07
1S	08-Dec-09	---	---	---	4.91	---	55.18
1S	28-Jan-10	---	---	---	5.43	---	54.50
1S	10-Feb-10	10.2	57.7	8.70	5.18	0.34	54.20
1S	09-Mar-10	---	---	---	5.04	---	54.00
1S	29-Apr-10	---	---	---	6.12	---	52.80
1S	24-May-10	12.0	58.2	9.01	5.14	0.56	52.46
1S	23-Jun-10	---	---	---	5.07	---	53.23
1S	20-Jul-10	---	---	---	5.65	---	54.60
1S	26-Aug-10	12.2	53.7	8.68	4.08	0.87	54.85
1S	21-Sep-10	---	---	---	5.05	---	55.23
1S	18-Oct-10	---	---	---	4.8	---	55.51
1S	15-Nov-10	11.4	54.1	9.15	5.86	0.72	55.79
1S	14-Dec-10	---	---	---	5.73	---	56.07
1S	11-Jan-11	---	---	---	5.68	---	56.27
1S	18-Feb-11	11.2	53.4	8.9	5.69	0.7	56.07
1S	22-Mar-11	---	---	---	5.69	---	55.45
1S	29-Apr-11	---	---	---	5.58	---	55.05
1S	23-May-11	11.2	54	9.38	5.42	0.86	55
1S	29-Jun-11	---	---	---	5.56	---	55.33
1S	19-Jul-11	---	---	---	5.67	---	55.5
1S	02-Aug-11	13.2	51	9.21	5.6	0.35	55.62
1S	23-Sep-11	---	---	---	5.97	---	55.75
1S	28-Oct-11	---	---	---	5.71	---	55.8
1S	08-Nov-11	11.9	51.9	9.63	5.77	0.29	55.52
1S	12-Dec-11	---	---	---	5.71	---	55.31
1S	10-Jan-12	---	---	---	5.68	---	55.24
1S	14-Feb-12	12	53.4	8.48	6.33	0.57	55.35
1S	20-Mar-12	---	---	---	6.05	---	55.68
1S	26-Apr-12	---	---	---	5.52	---	56.08
1S	14-May-12	12.5	51.4	8.55	5.64	0.62	56.16
1S	19-Jun-12	---	---	---	5.65	---	56.37
1S	11-Jul-12	---	---	---	5.59	---	56.5
1S	14-Aug-12	13.6	51.6	8.65	5.68	0.51	56.72
1S	26-Sep-12	---	---	---	5.59	---	56.97
1S	26-Oct-12	---	---	---	5.47	---	57.57
1S	28-Nov-12	10.7	52.3	11.24	5.68	1.52	57.4

Appendix B Groundwater Quality Monitoring  
Field Parameters  
Inner/Outer Wells

Station ID	Date	Temperature (C)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Turbidity (NTU)	Water level (ft)
1S	13-Dec-12	---	---	---	5.6	---	57.5
6S	01-Jan-06	---	---	---	5.34	---	35.23
6S	22-Feb-06	10.3	51.4	7.50	5.19	0.20	34.43
6S	30-Mar-06	---	---	---	4.8	---	35.05
6S	27-Apr-06	---	---	---	5.13	---	35.56
6S	31-May-06	12.0	51.1	8.30	5.02	0.63	34.20
6S	21-Jun-06	---	---	---	5.09	---	33.82
6S	07-Jul-06	---	---	---	4.66	---	33.62
6S	31-Aug-06	11.6	50.8	8.40	5.07	0.67	34.85
6S	22-Sep-06	---	---	---	4.89	---	35.37
6S	25-Oct-06	---	---	---	4.71	---	36.07
6S	20-Nov-06	10.3	51.3	8.50	4.78	0.47	36.48
6S	18-Dec-06	---	---	---	4.77	---	36.34
6S	01-Jan-07	---	---	---	4.63	---	36.59
6S	22-Feb-07	10.1	48.4	8.20	4.96	0.36	36.79
6S	01-Mar-07	---	---	---	4.5	---	36.36
6S	01-Apr-07	---	---	---	4.54	---	35.55
6S	22-May-07	12.2	55.6	7.30	4.3	0.69	35.01
6S	14-Jun-07	---	---	---	4.26	---	35.11
6S	12-Jul-07	---	---	---	4.45	---	35.58
6S	22-Aug-07	11.6	48.4	8.70	4.46	0.29	36.37
6S	24-Sep-07	---	---	---	4.72	---	37.02
6S	18-Oct-07	---	---	---	4.61	---	37.02
6S	14-Nov-07	11.7	59.1	8.60	4.57	0.82	37.75
6S	21-Dec-07	---	---	---	4.58	---	38.10
6S	08-Jan-08	---	---	---	4.61	---	37.81
6S	21-Feb-08	9.7	51.7	9.40	5.53	0.35	37.06
6S	28-Mar-08	---	---	---	5.83	---	36.26
6S	24-Apr-08	---	---	---	5.81	---	36.29
6S	15-May-08	11.5	46.5	8.90	5.52	0.56	36.41
6S	18-Jun-08	---	---	---	5.75	---	36.68
6S	25-Jul-08	---	---	---	5.76	---	37.13
6S	28-Aug-08	12.2	51.3	9.20	---	0.71	37.20
6S	16-Sep-08	---	---	---	5.78	---	37.52
6S	24-Oct-08	---	---	---	5.76	---	37.08
6S	14-Nov-08	11.6	52.5	7.40	5.86	1.08	37.27
6S	17-Dec-08	---	---	---	5.74	---	36.74
6S	23-Jan-09	---	---	---	5.68	---	36.06
6S	17-Feb-09	9.3	48.1	8.20	5.74	2.05	36.18
6S	23-Mar-09	---	---	---	5.77	---	36.09
6S	29-Apr-09	---	---	---	5.74	---	35.74
6S	26-May-09	11.3	52.6	5.50	6.04	0.45	35.75
6S	16-Jun-09	---	---	---	5.72	---	36.62
6S	29-Jul-09	---	---	---	5.72	---	36.47
6S	25-Aug-09	11.5	52.4	8.93	4.82	0.62	36.38
6S	29-Sep-09	---	---	---	4.9	---	36.46
6S	21-Oct-09	---	---	---	4.97	---	36.41
6S	30-Nov-09	10.9	40.5	8.10	4.63	1.11	36.25
6S	10-Dec-09	---	---	---	4.81	---	36.21
6S	25-Jan-10	---	---	---	4.91	---	35.56
6S	23-Feb-10	9.7	39.5	8.57	4.77	0.50	35.22
6S	29-Mar-10	---	---	---	5.02	---	32.69
6S	30-Apr-10	---	---	---	4.69	---	32.53
6S	25-May-10	11.8	48.2	9.05	4.79	0.62	33.14
6S	29-Jun-10	---	---	---	4.62	---	34.10
6S	08-Jul-10	---	---	---	4.89	---	34.45
6S	27-Aug-10	11.4	7.8	4.97	4.38	0.82	35.88
6S	24-Sep-10	---	---	---	4.72	---	36.39
6S	22-Oct-10	---	---	---	5.74	---	36.75
6S	16-Nov-10	11.1	54.0	8.87	5.87	0.94	37.05
6S	22-Dec-10	---	---	---	5.6	---	37.41
6S	11-Jan-11	---	---	---	5.66	---	37.56
6S	17-Feb-11	10.8	58.5	8.43	5.71	0.4	37.4

Appendix B Groundwater Quality Monitoring  
Field Parameters  
Inner/Outer Wells

Station ID	Date	Temperature (C)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Turbidity (NTU)	Water level (ft)
6S	21-Mar-11	---	---	---	5.61	---	36.61
6S	11-Apr-11	---	---	---	5.73	---	36.5
6S	25-May-11	11.5	55.7	9.32	5.62	0.66	36.17
6S	28-Jun-11	---	---	---	5.61	---	36.53
6S	21-Jul-11	---	---	---	5.64	---	36.73
6S	03-Aug-11	12.4	51.8	9.15	5.67	0.88	36.9
6S	14-Sep-11	---	---	---	5.6	---	37.13
6S	28-Oct-11	---	---	---	5.75	---	37.4
6S	10-Nov-11	11.9	54.2	8.57	5.73	0.92	36.77
6S	13-Dec-11	---	---	---	5.75	---	36.47
6S	26-Jan-12	---	---	---	5.56	---	36.58
6S	27-Feb-12	11.7	56.4	9.43	5.89	0.71	36.64
6S	26-Mar-12	---	---	---	5.97	---	36.85
6S	30-Apr-12	---	---	---	5.55	---	37.38
6S	15-May-12	12.2	60.2	8.63	5.51	0.72	37.46
6S	21-Jun-12	---	---	---	5.63	---	37.6
6S	11-Jul-12	---	---	---	5.63	---	37.82
6S	15-Aug-12	13	54	8.53	5.66	0.92	38.21
6S	28-Sep-12	---	---	---	5.52	---	38.51
6S	22-Oct-12	---	---	---	5.55	---	38.69
6S	27-Nov-12	10	52	11.21	6.01	1.57	38.96
6S	28-Dec-12	---	---	---	5.76	---	39.1
6D	01-Jan-06	---	---	---	5.53	---	34.93
6D	22-Feb-06	10.5	57.9	7.60	5.45	0.29	34.19
6D	30-Mar-06	---	---	---	5	---	34.77
6D	27-Apr-06	---	---	---	5.39	---	35.28
6D	31-May-06	12.0	59.4	8.50	5.39	0.89	34.52
6D	21-Jun-06	---	---	---	5.47	---	33.52
6D	07-Jul-06	---	---	---	5.1	---	33.33
6D	31-Aug-06	11.5	59.2	8.40	5.26	0.65	34.55
6D	22-Sep-06	---	---	---	5.09	---	35.07
6D	25-Oct-06	---	---	---	4.86	---	35.82
6D	20-Nov-06	10.4	60.2	8.40	4.81	0.61	36.18
6D	18-Dec-06	---	---	---	5.04	---	36.04
6D	01-Jan-07	---	---	---	4.84	---	36.29
6D	22-Feb-07	10.2	55.5	7.80	5	0.37	36.49
6D	01-Mar-07	---	---	---	4.68	---	36.05
6D	01-Apr-07	---	---	---	4.82	---	35.25
6D	22-May-07	12.1	62.9	7.30	4.3	0.58	34.71
6D	14-Jun-07	---	---	---	4.49	---	34.82
6D	12-Jul-07	---	---	---	4.6	---	35.29
6D	22-Aug-07	11.5	55.6	7.90	4.65	0.44	36.06
6D	24-Sep-07	---	---	---	4.97	---	36.00
6D	18-Oct-07	---	---	---	4.7	---	37.05
6D	14-Nov-07	12.6	59.1	7.90	4.72	1.00	37.44
6D	21-Dec-07	---	---	---	4.63	---	38.70
6D	08-Jan-08	---	---	---	4.82	---	37.52
6D	21-Feb-08	8.3	59.0	8.24	5.9	0.88	36.70
6D	28-Mar-08	---	---	---	6.02	---	35.95
6D	24-Apr-08	---	---	---	5.99	---	35.98
6D	15-May-08	11.9	50.5	8.45	5.8	0.67	36.12
6D	18-Jun-08	---	---	---	5.95	---	36.38
6D	25-Jul-08	---	---	---	5.94	---	36.81
6D	28-Aug-08	12.1	55.5	8.50	---	0.75	37.10
6D	16-Sep-08	---	---	---	5.97	---	37.17
6D	24-Oct-08	---	---	---	5.95	---	36.75
6D	14-Nov-08	11.5	54.1	7.30	6.06	1.54	36.93
6D	17-Dec-08	---	---	---	5.94	---	36.42
6D	23-Jan-09	---	---	---	5.89	---	35.71
6D	17-Feb-09	9.5	50.4	8.00	5.93	0.80	35.85
6D	23-Mar-09	---	---	---	5.81	---	35.80
6D	29-Apr-09	---	---	---	5.97	---	35.44
6D	26-May-09	11.8	55.7	6.10	6.1	0.66	35.48

Appendix B Groundwater Quality Monitoring  
Field Parameters  
Inner/Outer Wells

Station ID	Date	Temperature (C)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Turbidity (NTU)	Water level (ft)
6D	16-Jun-09	---	---	---	5.94	---	36.31
6D	29-Jul-09	---	---	---	5.96	---	36.16
6D	25-Aug-09	11.6	55.8	8.54	5.01	1.02	36.90
6D	29-Sep-09	---	---	---	5.08	---	36.15
6D	21-Oct-09	---	---	---	4.8	---	36.10
6D	30-Nov-09	10.9	41.5	8.08	4.77	0.54	35.94
6D	10-Dec-09	---	---	---	4.79	---	35.94
6D	25-Jan-10	---	---	---	5.08	---	35.20
6D	23-Feb-10	9.6	62.3	8.30	4.83	0.37	34.95
6D	29-Mar-10	---	---	---	5.36	---	32.40
6D	30-Apr-10	---	---	---	4.9	---	32.22
6D	25-May-10	11.5	60.1	9.09	5.17	0.56	32.87
6D	29-Jun-10	---	---	---	4.86	---	33.86
6D	08-Jul-10	---	---	---	5.24	---	34.15
6D	27-Aug-10	11.5	57.7	7.69	4.86	1.14	35.56
6D	24-Sep-10	---	---	---	4.99	---	36.07
6D	22-Oct-10	---	---	---	5.97	---	36.44
6D	16-Nov-10	11.1	58.5	8.95	6.2	3.14	36.74
6D	22-Dec-10	---	---	---	5.83	---	37.09
6D	11-Jan-11	---	---	---	5.88	---	37.22
6D	17-Feb-11	10.7	61.6	7.3	5.85	0.7	37.07
6D	21-Mar-11	---	---	---	5.86	---	36.25
6D	11-Apr-11	---	---	---	6	---	36.18
6D	25-May-11	11.8	59.7	8.63	5.8	0.72	59.7
6D	28-Jun-11	---	---	---	5.8	---	36.23
6D	21-Jul-11	---	---	---	5.8	---	36.42
6D	03-Aug-11	13.1	57.4	8.56	5.83	1.42	36.58
6D	14-Sep-11	---	---	---	5.82	---	36.8
6D	28-Oct-11	---	---	---	5.9	---	36.8
6D	10-Nov-11	11.8	55	8.47	6.01	1.76	36.45
6D	13-Dec-11	---	---	---	5.94	---	36.17
6D	26-Jan-12	---	---	---	5.87	---	36.25
6D	27-Feb-12	11.7	53.7	8.69	6.36	2.13	36.33
6D	20-Mar-12	---	---	---	6.13	---	36.55
6D	30-Apr-12	---	---	---	5.95	---	36.98
6D	15-May-12	12.3	52.6	8.04	5.83	0.66	37.14
6D	21-Jun-12	---	---	---	5.84	---	37.27
6D	11-Jul-12	---	---	---	5.8	---	37.52
6D	15-Aug-12	13.3	51.9	8.2	5.87	1.16	37.87
6D	28-Sep-12	---	---	---	5.81	---	38.18
6D	22-Oct-12	---	---	---	5.82	---	38.35
6D	27-Nov-12	10.2	53	11.31	5.68	0.79	38.65
6D	28-Dec-12	---	---	---	5.97	---	38.9
USGS475R	01-Jan-06	---	---	---	5.27	---	26.28
USGS475R	23-Feb-06	10.4	68.1	5.60	5.33	3.91	25.52
USGS475R	30-Mar-06	---	---	---	4.94	---	26.14
USGS475R	27-Apr-06	---	---	---	5.42	---	26.62
USGS475R	31-May-06	12.0	67.7	6.90	5.13	1.48	25.76
USGS475R	21-Jun-06	---	---	---	5.4	---	24.74
USGS475R	07-Jul-06	---	---	---	4.97	---	24.63
USGS 475R	31-Aug-06	11.9	66.9	6.80	5.18	1.12	25.91
USGS 475R	22-Sep-06	---	---	---	5.09	---	24.70
USGS 475R	25-Oct-06	---	---	---	4.9	---	25.20
USGS 475R	20-Nov-06	10.4	68.1	6.90	4.80	1.02	27.55
USGS475R	18-Dec-06	---	---	---	5.37	---	26.31
USGS 475R	01-Jan-07	---	---	---	4.89	---	27.62
USGS475R	22-Feb-07	10.4	62.5	6.10	5.09	1.96	27.90
USGS 475R	01-Mar-07	---	---	---	4.72	---	27.39
USGS 475R	01-Apr-07	---	---	---	7	---	26.46
USGS 475R	22-May-07	12.6	72.2	7.30	4.4	1.28	26.09
USGS 475R	14-Jun-07	---	---	---	5.06	---	26.20
USGS475R	12-Jul-07	---	---	---	4.7	---	26.70
USGS 475R	21-Aug-07	12.1	63.3	6.70	4.75	5.40	27.58

Appendix B Groundwater Quality Monitoring  
Field Parameters  
Inner/Outer Wells

Station ID	Date	Temperature (C)	Specific Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Turbidity (NTU)	Water level (ft)
USGS 475R	25-Sep-07	---	---	---	5.06	---	28.20
USGS 475R	16-Oct-07	---	---	---	4.77	---	28.58
USGS 475R	14-Nov-07	14.3	63.1	7.40	4.93	3.34	28.95
USGS 475R	21-Dec-07	---	---	---	4.74	---	29.20
USGS 475R	08-Jan-08	---	---	---	5.25	---	28.84
USGS 475R	21-Feb-08	10.5	67.8	7.48	5.61	0.94	28.12
USGS 475R	28-Mar-08	---	---	---	5.92	---	27.00
USGS 475R	24-Apr-08	---	---	---	5.88	---	27.43
USGS 475R	15-May-08	12.2	61.4	7.40	5.72	5.56	27.56
USGS 475R	18-Jun-08	---	---	---	5.86	---	26.72
USGS 475R	25-Jul-08	---	---	---	5.88	---	28.27
USGS 475R	28-Aug-08	12.4	65.7	7.30	---	5.28	28.50
USGS 475R	16-Sep-08	---	---	---	5.82	---	27.72
USGS 475R	24-Oct-08	---	---	---	5.87	---	28.24
USGS 475R	14-Nov-08	11.8	67.2	6.90	5.94	0.72	28.32
USGS 475R	23-Jan-09	---	---	---	5.79	---	27.07
USGS 475R	17-Feb-09	10.3	63.0	7.10	5.83	1.86	27.27
USGS 475R	23-Mar-09	---	---	---	5.72	---	27.06
USGS 475R	29-Apr-09	---	---	---	5.86	---	26.66
USGS 475R	26-May-09	12.2	69.2	4.10	6.03	1.32	26.67
USGS 475R	16-Jun-09	---	---	---	6.16	---	27.83
USGS 475R	29-Jul-09	---	---	---	5.92	---	27.02
USGS 475R	25-Aug-09	11.5	50.9	7.98	6.93	1.93	27.40
USGS 475R	29-Sep-09	---	---	---	4.98	---	27.56
USGS 475R	21-Oct-09	---	---	---	5.35	---	27.45
USGS 475R	30-Nov-09	11.2	52.5	7.97	4.91	3.90	27.31
USGS 475R	10-Dec-09	---	---	---	4.8	---	27.17
USGS 475R	25-Jan-10	---	---	---	5.24	---	26.52
USGS 475R	23-Feb-10	10.0	73.1	8.09	5.43	1.84	26.30
USGS 475R	29-Mar-10	---	---	---	5.95	---	23.61
USGS 475R	30-Apr-10	---	---	---	5.46	---	23.61
USGS 475R	25-May-10	12.7	70.8	8.12	5.42	7.01	24.17
USGS 475R	29-Jun-10	---	---	---	4.88	---	25.15
USGS 475R	08-Jul-10	---	---	---	5.09	---	25.47
USGS 475R	27-Aug-10	12.0	71.4	6.60	5.09	6.82	26.90
USGS 475R	24-Sep-10	---	---	---	5.28	---	27.47
USGS 475R	22-Oct-10	---	---	---	6.09	---	27.83
USGS 475R	16-Nov-10	11.7	70.1	7.84	6.09	1.70	28.12
USGS 475R	22-Dec-10	---	---	---	5.81	---	28.50
USGS475R	11-Jan-11	---	---	---	5.81	---	28.63
USGS475R	17-Feb-11	11.1	103.6	7.59	5.76	0.61	28.52
USGS475R	21-Mar-11	---	---	---	5.83	---	27.68
USGS475R	11-Apr-11	---	---	---	5.82	---	27.55
USGS475R	25-May-11	12	87.3	8.01	5.66	1.21	27.29
USGS475R	28-Jun-11	---	---	---	5.51	---	27.69
USGS475R	21-Jul-11	---	---	---	5.72	---	26.91
USGS475R	03-Aug-11	13.8	75	8.23	5.72	0.57	28.09
USGS475R	14-Sep-11	---	---	---	5.67	---	28.23
USGS475R	28-Oct-11	---	---	---	5.79	---	28.2
USGS475R	10-Nov-11	11.8	84.9	7.61	5.82	1.62	27.83
USGS475R	13-Dec-11	---	---	---	5.77	---	27.53
USGS475R	26-Jan-12	---	---	---	5.7	---	27.72
USGS475R	27-Feb-12	11.7	102.9	7.14	6.41	0.65	27.8
USGS475R	26-Mar-12	---	---	---	5.97	---	26.98
USGS475R	30-Apr-12	---	---	---	5.56	---	27.47
USGS475R	15-May-12	12.7	83.3	7.63	5.78	1.01	26.6
USGS475R	21-Jun-12	---	---	---	5.71	---	28.77
USGS475R	11-Jul-12	---	---	---	5.7	---	29
USGS475R	15-Aug-12	13.9	84.1	7.12	5.67	1.09	29.41
USGS475R	28-Sep-12	---	---	---	5.53	---	29.75
USGS475R	22-Oct-12	---	---	---	5.65	---	29.96
USGS475R	27-Nov-12	10.4	103.7	9.31	5.81	0.55	30.22
USGS475R	26-Dec-12	---	---	---	5.72	---	36.31

VOC Detection Sheet

Loc ID	Date	Description	Comments			
A15	26-Apr-06	Chloroform 0.65 ug/L				
A21-A	15-Apr-09	2-Butanone 288 ug/L, Acetone 256 ug/L				
3D	16-Apr-09	1,2,4-Trimethylbenzene 32.5 ug/L, 1,3,5-Trimethylbenzene 8.88 ug/L, Ethylbenzene 6.00 ug/L, n-Propylbenzene 6.06 ug/L	Potential laboratory error - these 3D and 7SR analyzed same day			
7SR	16-Apr-09	1,2,4-Trimethylbenzene 41.8ug/L, 1,3,5-Trimethylbenzene 12 ug/L, Ethylbenzene 9.74 ug/L, n-Propylbenzene 8.36 ug/L	Potential laboratory error - these 3D and 7SR analyzed same day			
5S	27-Apr-10	Chloroform 2 ug/L				
A8	15-Nov-10	Chloroform 7 ug/L				
A9	21-Aug-08	Dibromochloromethane 6 ug/L, Bromoform 9 ug/L				
A9	13-Nov-08	Dibromochloromethane 7 ug/L				
A9	10-Feb-09	Dibromochloromethane 7 ug/L, Bromoform 9 ug/L				
A9	21-May-09	Bromoform 7 ug/L				
USGS475R	16-Nov-10	Tetrachloroethene 6 ug/L				
A13	24-Oct-11	Methyl Tertiary Butyl Ether 4 ug/L				
5S	26-Oct-11	Chloroform 1 ug/L				
A8	8-Nov-11	Chloroform 4.20 ug/L				
A9	8-Nov-11	Chloroform 2.86 ug/L				
A10	8-Nov-11	Chloroform 1.49 ug/L				
A11	8-Nov-11	Methyl Tertiary Butyl Ether 3.12 ug/L				
6S	9-Nov-11	Chloroform 1.86 ug/L				
6D	9-Nov-11	Tetrachloroethene 1.77 ug/L				
1S	9-Nov-11	Chloroform 1.65 ug/L				
5S	3-Oct-12	Chloroform 1 ug/L				
A8	14-Feb-12	Chloroform 4.75 ug/L				
A8	14-May-12	Chloroform 3 ug/L				
A8	14-Aug-12	Chloroform 3 ug/L				
A8	28-Nov-12	Chloroform 4 ug/L				
A9	14-Feb-12	Chloroform 2.69 ug/L				
A9	14-May-12	Chloroform 2 ug/L				
A9	14-Aug-12	Chloroform 2 ug/L				
A9	28-Nov-12	Chloroform 3 ug/L				
A10	14-May-12	Chloroform 4 ug/L				
A10	14-Aug-12	Chloroform 2 ug/L				
A10	28-Nov-12	Chloroform 4 ug/L				
A11	14-Feb-12	Methyl Tertiary Butyl Ether 1.74 ug/L				
6S	27-Feb-12	Chloroform 1 ug/L				
6S	14-May-12	Chloroform 1 ug/L				
6S	27-Nov-12	Chloroform 1 ug/L				
6D	27-Feb-12	Tetrachloroethylene 1 ug/L				
6D	14-May-12	Tetrachloroethylene 1 ug/L				
1S	14-Feb-12	Chloroform 1.73 ug/L				
1S	14-May-12	Chloroform 1 ug/L				
1S	14-Aug-12	Chloroform 1 ug/L				
1S	28-Nov-12	Chloroform 1 ug/L				