APPENDIX C

Summary of Well Completion Details

WM Richmond Landfill - Groundwater Monitor Details

Monitor*	Dip Angle **	Drill Date	Easting	Northing	Status	Interval Type	Area	Ground Elev. (masl)	Bedrock Elev. (masl)	Overburden Thickness (m)	Monitor Top Elev. (masl)	Monitor Bottom Elev. (masl)	Monitor Top Depth Below Ground Surf. (mbgs)	Monitor Bottom Depth Below Ground Surf. (mbgs)	Monitor Top Depth Below Bedrock Surface (mbBR)	Monitor Bottom Depth Below Bedrock Surface (mbBR)	Hydraulic Conductivity (m/s)	
2054	90	23-Feb-49	335293	4902797	Active	Open Borehole	South	128.00	121.90	6.10	120.68	91.40	7.32	36.60	1.22	30.50		5.00E-07
2055	90	10-Feb-66	335402	4902782	Active	Single Screen	South	124.82	122.42	2.40	93.09	90.09	31.73	34.73	29.33	32.33		
M1-1	90	20-Mar-91	335244	4902858	Abandoned	Multilevel	South	128.29	121.29	7.00	116.79	115.29	11.50	13.00	4.50	6.00		3.00E-07
M1-2	90	20-Mar-91	335244	4902858	Abandoned	Multilevel	South	128.29	121.29	7.00	102.79	97.79	25.50	30.50	18.50	23.50	<	1.00E-09
M2-1	90	13-Mar-91	335090	4902848	Abandoned	Multilevel	South	128.84	121.24	7.60	100.84	98.34	28.00	30.50	20.40	22.90		5.00E-08
M2-2	90	13-Mar-91	335090	4902848	Abandoned	Multilevel	South	128.84	121.24	7.60	110.84	109.34	18.00	19.50	10.40	11.90	<	1.00E-09
M2-3	90	13-Mar-91	335090	4902848	Abandoned	Multilevel	South	128.84	121.24	7.60	116.84	115.34	12.00	13.50	4.40	5.90		2.00E-08
M3-1	90	13-Mar-91	334994	4902913	Abandoned	Multilevel	South	126.86	122.16	4.70	98.86	96.36	28.00	30.50	23.30	25.80	>	1.00E-05
M3-2	90	13-Mar-91	334994	4902913	Abandoned	Multilevel	South	126.86	122.16	4.70	112.36	110.86	14.50	16.00	9.80	11.30	<	1.00E-07
M3-3	90	13-Mar-91	334994	4902913	Abandoned	Multilevel	South	126.86	122.16	4.70	118.86	117.36	8.00	9.50	3.30	4.80	<	1.00E-07
M3A-1	90	20-Sep-91	334990	4902928	Active	Multilevel	South	126.96	122.00	4.96	98.16	95.66	28.80	31.30	23.84	26.34	<	5.00E-10
M3A-2	90	20-Sep-91	334990	4902930	Active	Multilevel	South	126.96	122.00	4.96	105.46	101.86	21.50	25.10	16.54	20.14		
M3A-3 (2a)	90	20-Sep-91	334990	4902930	Active	Multilevel	South	126.96	122.00	4.96	117.96	115.96	9.00	11.00	4.04	6.04		1.00E-08
M4-1	90	12-Mar-91	335006	4903036	Active	Multilevel	South	125.64	122.64	3.00	98.34	95.34	27.30	30.30	24.30	27.30	<	1.00E-09
M4-2	90	12-Mar-91	335006	4903038	Active	Multilevel	South	125.64	122.64	3.00	104.64	102.14	21.00	23.50	18.00	20.50	<	1.00E-09
M4-3	90	12-Mar-91	335006	4903038	Active	Multilevel	South	125.64	122.64	3.00	117.14	115.64	8.50	10.00	5.50	7.00		8.00E-08
M5-1	90	12-Mar-91	335003	4903162	Active	Multilevel	South	123.20	122.44	0.76	96.70	92.60	26.50	30.60	25.74	29.84	<	1.00E-09
M5-2	90	12-Mar-91	335003	4903163	Active	Multilevel	South	123.20	122.44	0.76	102.70	99.70	20.50	23.50	19.74	22.74		4.00E-08
M5-3	90	12-Mar-91	335003	4903163	Active	Multilevel	South	123.20	122.44	0.76	117.20	115.70	6.00	7.50	5.24	6.74	>	1.00E-05
M6-1	90	08-Mar-91	335200	4903172	Active	Multilevel	South	123.73	122.23	1.50	96.23	92.93	27.50	30.80	26.00	29.30	<	1.00E-09
M6-2	90	08-Mar-91	335201	4903174	Active	Multilevel	South	123.73	122.23	1.50	102.23	100.23	21.50	23.50	20.00	22.00	<	1.00E-09
M6-3	90	08-Mar-91	335201	4903174	Active	Multilevel	South	123.73	122.23	1.50	118.73	117.23	5.00	6.50	3.50	5.00	<	1.00E-09
M7-1	90	08-Mar-91	335424	4903179	Abandoned	Multilevel	South	125.28	122.08	3.20	99.88	95.08	25.40	30.20	22.20	27.00		
M7-2	90	08-Mar-91	335424	4903179	Abandoned	Multilevel	South	125.28	122.08	3.20	110.28	108.78	15.00	16.50	11.80	13.30	<	1.00E-09
M7-3	90	08-Mar-91	335424	4903179	Abandoned	Multilevel	South	125.28	122.08	3.20	118.78	115.28	6.50	10.00	3.30	6.80	<	1.00E-09
M8-1	90	19-Mar-91	335492	4902953	Abandoned	Multilevel	South	127.98	122.08	5.90	100.48	97.83	27.50	30.15	21.60	24.25	<	1.00E-09
M8-2	90	19-Mar-91	335492	4902953	Abandoned	Multilevel	South	127.98	122.08	5.90	112.48	110.18	15.50	17.80	9.60	11.90		
M8-3	90	19-Mar-91	335492	4902953	Abandoned	Multilevel	South	127.98	122.08	5.90	116.68	114.48	11.30	13.50	5.40	7.60	>	1.00E-05
M9-1	90	14-Mar-91	335410	4902787	Active	Multilevel	South	124.80	121.90	2.90	96.80	94.60	28.00	30.20	25.10	27.30	<	1.00E-09
M9-2 (2a)	90	14-Mar-91	335410	4902789	Active	Multilevel	South	124.80	121.90	2.90	106.30	101.80	18.50	23.00	15.60	20.10		
M9-3 (2a)	90	14-Mar-91	335410	4902789	Active	Multilevel	South	124.80	121.90	2.90	115.50	114.00	9.30	10.80	6.40	7.90	>	1.00E-05
M9R-1	90	27-Oct-99	335400	4902787	Active	Single Screen	South	125.53	122.02	3.51	96.90	93.85	28.63	31.68	25.12	28.17		
M10-1 (2a)	90	18-Mar-91	335494	4902596	Active	Multilevel	South	126.47	123.47	3.00	98.47	96.27	28.00	30.20	25.00	27.20		
M10-2	90	18-Mar-91	335494	4902596	Active	Multilevel	South	126.47	123.47	3.00	114.47	112.47	12.00	14.00	9.00	11.00	<	1.00E-09
M10-3	90	18-Mar-91	335494	4902594	Active	Multilevel	South	126.47	123.47	3.00	119.97	116.97	6.50	9.50	3.50	6.50		6.00E-09
M11-1	90	22-Mar-91	335523	4903064	Abandoned	Multilevel	South	124.89	122.79	2.10	96.89	94.59	28.00	30.30	25.90	28.20	>	1.00E-05
M11-2	90	22-Mar-91	335523	4903064	Abandoned	Multilevel	South	124.89	122.79	2.10	106.64	101.39	18.25	23.50	16.15	21.40	<	1.00E-09
M11-3	90	22-Mar-91	335523	4903064	Abandoned	Multilevel	South	124.89	122.79	2.10	116.39	114.14	8.50	10.75	6.40	8.65		9.00E-09
M12 (1)	90	04-Jun-91	335500	4902596	Active	Single Screen	South	126.49	123.70	2.79	123.99	123.59	2.50	2.90	-0.29	0.11		8.00E-06
M13	90	04-Jun-91	335401	4902788	Destroyed	Single Screen	South	124.90	122.17	2.73	122.70	122.30	2.20	2.60	-0.53	-0.13		9.28E-07
M14 (1)	90	04-Jun-91	335625	4902637	Active	Single Screen	South	127.38	124.59	2.79	125.08	124.68	2.30	2.70	-0.49	-0.09		
M15 (1)	90	04-Jun-91	335528	4902695	Active	Single Screen	South	126.02	124.57	1.45	124.92	124.62	1.10	1.40	-0.35	-0.05		
M16 (1)	90	04-Jun-91	335447	4902710	Active	Single Screen	South	124.83	121.83	3.00	122.43	121.83	2.40	3.00	-0.60	0.00		1.00E-05
M17	90	05-Jun-91	335475	4902837	Destroyed	Single Screen	South	125.63	123.01	2.62	123.43	123.13	2.20	2.50	-0.42	-0.12		2.00E-06
M18 (1)	90	05-Jun-91	335648	4902866	Active	Single Screen	South	127.81	126.34	1.47	126.81	126.51	1.00	1.30	-0.47	-0.17		
M19 (1)	90	05-Jun-91	335632	4902944	Active	Single Screen	South	129.84	124.76	5.08	125.64	125.04	4.20	4.80	-0.88	-0.28		1.00E-06
M20	90	06-Jun-91	335556	4902915	Abandoned	Single Screen	South	128.19	122.81	5.38	123.49	122.89	4.70	5.30	-0.68	-0.08	<	1.00E-09
M21	90	20-Jun-91	335401	4902851	Abandoned	Single Screen	South	125.45	121.41	4.04	121.95	121.45	3.50	4.00	-0.54	-0.04		
M22	90	06-Jun-91	335535	4902968	Abandoned	Single Screen	South	128.56	122.79	5.77	124.06	122.79	4.50	5.77	-1.27	0.00		7.00E-08
M23 (1)	90	05-Jun-91	335602	4903049	Active	Single Screen	South	127.82	123.45	4.37	124.22	123.42	3.60	4.40	-0.77	0.03	<	1.00E-09
M24	90	20-Jun-91	335242	4902862	Abandoned	Single Screen	South	128.08	121.30	6.78	122.28	121.30	5.80	6.78	-0.98	0.00		3.49E-06
M25	90	20-Jun-91	335177	4902837	Abandoned	Single Screen	South	128.84	121.35	7.49	122.14	121.35	6.70	7.49	-0.79	0.00		9.00E-07
M26-1	90	19-Jun-91	335092	4902845	Abandoned	Single Screen	South	128.83	121.63	7.20	122.53	121.63	6.30	7.20	-0.90	0.00		1.00E-05
M26-2	90	19-Jun-91	335096	4902845	Abandoned	Single Screen	South	128.91	121.71	7.20	125.81	125.41	3.10	3.50	-4.10	-3.70		9.00E-07
M27 (1)	90	19-Jun-91	334997	4902908	Active	Single Screen	South	127.16	122.13	5.03	122.86	122.26	4.30	4.90	-0.73	-0.13		5.00E-07
M28 (1)	90	17-Jun-91	334897	4902853	Active	Single Screen	South	127.44	122.18	5.26	122.94	122.34	4.50	5.10	-0.76	-0.16		5.22E-07
M29 (1)	90	17-Jun-91	334924	4902983	Active	Single Screen	South	124.54	122.13	2.41	122.44	122.14	2.10	2.40	-0.31	-0.01		2.00E-07
M30 (1)	90	18-Jun-91	334999	4903033	Active	Single Screen	South	125.74	122.36	3.38	122.74	122.36	3.00	3.38	-0.38	0.00		5.00E-07
M31 (1)	90	17-Jun-91	334857	4902977	Active	Single Screen	South	124.44	122.46	1.98	122.94	122.54	1.50	1.90	-0.48	-0.08	<	1.00E-09
M32	90	18-Jun-91			Damaged	Single Screen	South	124.41	122.89	1.52	123.21	123.01	1.20	1.40	-0.32	-0.12		
M33	90	17-Jun-91			Abandoned	Single Screen	South	123.91	122.74	1.17	122.91	122.74	1.00	1.17	-0.17	0.00		
M34	90	05-Jun-91	335511	4903063	Abandoned	Single Screen	South	125.11	122.57	2.54	122.11	121.81	3.00	3.30	0.46	0.76		1.00E-06
M35 (1)	90	18-Jun-91	335458	4903336	Active	Single Screen	South	124.49	122.89	1.60	123.20	122.89	1.29	1.60	-0.31	0.00	<	1.00E-09
M36	90	18-Jun-91	335477	4903190	Abandoned	Single Screen	South	124.96	122.90	2.06	123.21	122.90	1.75	2.06	-0.31	0.00		4.00E-07
M37	90	18-Jun-91	335449	4903163	Abandoned	Single Screen	South	124.95	122.54	2.41	122.85	122.54	2.10	2.41	-0.31	0.00		1.00E-06
M38 (1)	90	19-Jun-91	335006	4902978	Active	Single Screen	South	125.99	122.38	3.61	122.69	122.38	3.30	3.61	-0.31	0.00		5.00E-08
M39 (1)	90	18-Jun-91	335299	4903310	Active	Single Screen	South	124.01	122.28	1.73	122.59	122.28	1.42	1.73	-0.31	0.00		
M40	90	20-Jun-91			Abandoned	Single Screen	South	127.25	121.84	5.41	122.15	121.84	5.10	5.41	-0.31	0.00		
M41 (1)	90	21-Jun-91	335368	4902818	Active	Single Screen	South	126.68	121.78	4.90	122.09	121.78	4.59	4.90	-0.31	0.00	<	1.00E-09
M42-1	90	17-Sep-91	335006	4903006	Active	Multilevel	South	125.83	122.26	3.57	69.33	65.84	56.50	59.99	52.93	56.42		
M42-2	90	17-Sep-91	335007	4903008	Active	Multilevel	South	125.83	122.26	3.57	84.83	80.94	41.00	44.89	37.43	41.32		
M42-3	90	17-Sep-91	335007	4903008	Active	Multilevel	South	125.83	122.26	3.57	92.83	88.04	33.00	37.79	29.43	34.22		
M43-1	90	20-Sep-91	335475	4902588	Active	Multilevel	South	127.01	123.60	3.41	72.01	67.92	55.00	59.09	51.59	55.68		
M43-2	90	20-Sep-91	335476	4902590	Active	Multilevel	South	127.01	123.60	3.41	79.51	76.51	47.50	50.50	44.09	47.09		
M43-3	90	20-Sep-91	335476	4902590	Active	Multilevel	South	127.01	123.60	3.41	93.51	92.01	33.50	35.00	30.09	31.59		
M44-1	90	25-Sep-91	335533	4903068	Abandoned	Multilevel	South	125.70	122.75	2.95	69.70	66.70	56.00	59.00	53.05	56.05		
M44-2	90	25-Sep-91	335533	4903068	Abandoned	Multilevel	South	125.70	122.75	2.95	80.70	78.38	45.00	47.32	42.05	44.37		
M45-1	90		334790	4904582	Active	Multilevel	North	126.84	125.64	1.20	70.84	65.88	56.00	60.96	54.80	59.76		
M45-2	90		334790	4904582	Active	Multilevel	North	126.84	125.64	1.20	99.44	96.36	27.40	30.48	26.20	29.28		
M45-3	90		334790	4904582	Active	Multilevel	North	126.84	125.64	1.20	113.44	111.64	13.40	15.20	12.20	14.00		
M46-1	90		335185	4903230	Active	Multilevel	South	123.96	123.66	0.30	110.46	108.96	13.50	15.00	13.20	14.70		
M46-2	90		335185	4903232	Active	Multilevel	South	123.96	123.66	0.30	117.66	116.16	6.30	7.80	6.00	7.50		3.00E-08
M47-1	90		335552	4903214	Active	Multilevel	South	126.82	121.82	5.00	117.42	116.12	9.40	10.70	4.40	5.70		
M47-2	90		335552	4903215	Active	Multilevel	South	126.82	121.82	5.00	96.32	93.68	30.50	33.14	25.50	28.14		
M47-3 (1)	90		335552	4903215	Active	Multilevel	South	126.82	121.82	5.00	123.82	121.82	3.00	5.00	-2.00	0.00		
M48-1	90		334838	4902564	Active	Multilevel	South	134.11	119.21	14.90	68.81	65.61	65.30	68.50	50.40	53.60	<	1.00E-07
M48-2	90		334839	4902565	Active	Multilevel	South	134.11	119.21	14.90	115.11	113.81	19.00	20.30	4.10	5.40	<	5.00E-07
M48-3	90		334839	4902565	Active	Multilevel	South	134.11	119.21	14.90	117.11	115.91	17.00	18.20	2.10	3.30	<	5.00E-07
M49-1 (2a)	90	26-Aug-96	335454	4902658	Active	Multilevel	South	125.47	122.77	2.70	99.97	98.37	25.50	27.10	22.80	24.40		
M49-2	90	26-Aug-96	335455	4902660	Active	Multilevel	South	125.47	122.77	2.70	114.97	112.67	10.50	12.80	7.80	10.10	<	5.00E-09
M49-3	90	26-Aug-96	335455	4902660	Active	Multilevel	South	125.47	122.77	2.70	120.47	118.67	5.00	6.80	2.30	4.10		
M50-1	90	26-Aug-96	335660	4903247	Active	Multilevel	South	125.25	122.00	3.25	98.75	97.75	26.50	27.50	23.25	24.25		1.00E-08
M50-2	90	26-Aug-96	335660	4903248	Active	Multilevel	South	125.25	122.00	3.25	111.75	110.25	13.50	15.00	10.25	11.75		2.00E-08
M50-3 (2b)	90	26-Aug-96	335660	4903248	Active	Multilevel	South	125.25	122.00	3.25	116.25	114.75	9.00	10.50	5.75	7.25		3.00E-08
M51-1	90	27-Aug-96	335714	4903073	Active	Multilevel	South	129.75	124.95	4.80	104.75	102.75	25.00	27.00	20.20	22.20		
M51-2	90	27-Aug-96	335714	4903075	Active	Multilevel	South	129.75	124.95	4.80	117.75	115.75	12.00	14.00	7.20	9.20		3.00E-08
M51-3	90	27-Aug-96	335714	4903075	Active	Multilevel	South	129.75	124.95	4.80	122.15	120.76	7.60	8.99	2.80	4.19	<	5.00E-09
M52-1	90	27-Aug-96	335748	4902939	Active	Multilevel	South	128.78	126.88	1.90	105.78	104.38	23.00	24.40	21.10	22.50	<	5.00E-09
M52-2	90	27-Aug-96	335748	4902940	Active	Multilevel	South	128.78	126.88	1.90	115.98	114.78	12.80	14.00	10.90	12.10		3.00E-07
M52-3	90	27-Aug-96	335748	4902940	Active	Multilevel	South	128.78	126.88	1.90	122.08	120.78	6.70	8.00	4.80	6.10	<	5.00E-09
M53-1	90	17-Feb-98	335501	4902651	Active	Single Screen	South	125.92	123.94	1.98	68.46	64.96	57.46	60.96	55.48	58.98	<	1.00E-08
M53-2	90	17-Feb-98	335499	4902650	Active	Single Screen	South	125.89	123.91	1.98	98.94	95.89	26.95	30.00	24.97	28.02		6.00E-06
M53-3	90	17-Feb-98	335498	4902650	Active	Single Screen	South	125.87	123.89	1.98	113.92	110.87	11.95	15.00	9.97	13.02	>	1.00E-05
M53-4 (1)	90	17-Feb-98	335496	4902649	Active	Single Screen	South	125.89	123.91	1.98	124.39	124.09	1.50	1.80	-0.48	-0.18	<	5.00E-08
M54-1	90	18-Feb-98	335346	4902623	Active	Single Screen	South	124.02	119.91	4.11	66.56	63.06	57.46	60.96	53.35	56.85	<	5.00E-08
M54-2	90	18-Feb-98	335347	4902622	Active	Single Screen	South	123.97	119.86	4.11	97.02	93.97	26.95	30.00	22.84	25.89	<	5.00E-09
M54-3	90	18-Feb-98	335347	4902620	Active	Single Screen	South	123.99	119.88	4.11	112.04	108.99	11.95	15.00	7.84	10.89	<	1.00E-08
M54-4 (1)	90	18-Feb-98	335348	4902618	Active	Single Screen	South	124.06	119.95	4.11	122.08	120.56	1.98	3.50	-2.13	-0.61		1.00E-05
M55-1	90	20-Feb-98	334961	4903151	Active	Single Screen	South	124.32	122.64	1.68	66.86	63.36	57.46	60.96	55.78	59.28		3.00E-07
M55-2	90	20-Feb-98	334962	4903149	Active	Single Screen	South	124.30	122.62	1.68	97.35	94.30	26.95	30.00	25.27	28.32	<	1.00E-10
M55-3	90	20-Feb-98	334962	4903148	Active	Single Screen	South	124.31	122.63	1.68	112.36	109.31	11.95	15.00	10.27	13.32	<	1.00E-09
M55-4	90	20-Feb-98	334963	4903146	Active	Single Screen	South	124.31	122.63	1.68	120.92	117.87	3.39	6.44	1.71	4.76	<	1.00E-09
M56-1	90	12-Mar-98	335066	4902508	Active	Single Screen	South	123.69	117.90	5.79	78.69	75.69	45.00	48.00	39.21	42.21		2.00E-09
M56-2 (2a)	90	23-Nov-05	335065	4902545	Active	Single Screen	South	126.12	118.20	7.92	112.32	109.32	13.80	16.80	5.88	8.88		
M57 (2a)	60	17-Mar-98	335418	4902623	Active	Single Screen	South	125.35	122.58	2.77	103.27	101.10	22.08	24.25	19.31	21.48		
M58-1	90	18-Mar-98	334760	4902816	Active	Single Screen	South	125.34	121.23	4.11	67.34	64.38	58.00	60.96	53.89	56.85		6.00E-08
M58-2	90	18-Mar-98	334760	4902814	Active	Single Screen	South	125.30	121.19	4.11	97.80	95.30	27.50	30.00	23.39	25.89	<	5.00E-09
M58-3 (2a)	90	18-Mar-98	334761	4902812	Active	Single Screen	South	125.32	121.21	4.11	116.32	113.32	9.00	12.00	4.89	7.89	>	1.00E-05
M58-4 (1)	90	18-Mar-98	334761	4902811	Active	Single Screen	South	125.46	121.35	4.11	122.76	121.96	2.70	3.50	-1.41	-0.61		3.00E-06
M59-1	90	19-Mar-98	334609	4903287	Active	Single Screen	North	124.62	124.01	0.61	66.62	63.66	58.00	60.96	57.39	60.35		2.00E-08

Monitor*	Dip Angle **	Drill Date	Easting	Northing	Status	Interval Type	Area	Ground Elev. (masl)	Bedrock Elev. (masl)	Overburden Thickness (m)	Monitor Top Elev. (masl)	Monitor Bottom Elev. (masl)	Monitor Top Depth Below Ground Surf. (mbgs)	Monitor Bottom Depth Below Ground Surf. (mbgs)	Monitor Top Depth Below Bedrock Surface (mbBR)	Monitor Bottom Depth Below Bedrock Surface (mbBR)	Hydraulic Conductivity (m/s)	
M59-2 (2b)	90	19-Mar-98	334607	4903287	Active	Single Screen	North	124.67	124.06	0.61	97.17	94.67	27.50	30.00	26.89	29.39	>	1.00E-05
M59-3 (2b)	90	19-Mar-98	334606	4903287	Active	Single Screen	North	124.69	124.08	0.61	109.19	106.19	15.50	18.50	14.89	17.89	>	1.00E-05
M59-4 (2b)	90	19-Mar-98	334604	4903287	Active	Single Screen	North	124.63	124.02	0.61	117.63	115.43	7.00	9.20	6.39	8.59		6.00E-08
M60-1 (2b)	60	17-Mar-98	335044	4903538	Active	Single Screen	North	124.71	122.82	1.89	98.30	96.13	26.41	28.58	24.53	26.69		
M60-3	90	17-Mar-98	335079	4903494	Active	Single Screen	North	125.86	122.66	3.20	113.36	110.86	12.50	15.00	9.30	11.80	<	1.00E-08
M60-4 (1)	90	17-Mar-98	335077	4903494	Active	Single Screen	North	125.87	122.67	3.20	124.07	121.87	1.80	4.00	-1.40	0.80	>	1.00E-06
M61-1	90	24-Mar-98	334457	4903750	Active	Single Screen	North	126.60	126.00	0.60	83.10	80.10	43.50	46.50	42.90	45.90	<	1.00E-09
M61-2	90	24-Mar-98	334456	4903749	Active	Single Screen	North	126.60	126.00	0.60	99.10	95.60	27.50	31.00	26.90	30.40	<	1.00E-08
M61-3	90	24-Mar-98	334455	4903748	Active	Single Screen	North	126.60	126.00	0.60	111.60	108.60	15.00	18.00	14.40	17.40		5.00E-08
M61-4	90	24-Mar-98	334454	4903747	Active	Single Screen	North	126.60	126.00	0.60	123.10	120.60	3.50	6.00	2.90	5.40	<	1.00E-09
M62-1	90	24-Mar-98	335166	4904438	Active	Single Screen	North	126.05	125.29	0.76	86.05	83.55	40.00	42.50	39.24	41.74		8.00E-07
M62-2	90	24-Mar-98	335168	4904441	Active	Single Screen	North	126.06	125.30	0.76	99.56	96.56	26.50	29.50	25.74	28.74	<	1.00E-08
M62-3	90	24-Mar-98	335166	4904441	Active	Single Screen	North	126.05	125.29	0.76	121.05	118.05	5.00	8.00	4.24	7.24	<	5.00E-09
M62-4	90	24-Mar-98	335165	4904440	Active	Single Screen	North	126.05	125.29	0.76	124.55	122.05	1.50	4.00	0.74	3.24	<	5.00E-09
M63-1	90	02-Apr-98	335424	4902393	Active	Mulltilevel	South	121.71	119.81	1.90	88.21	85.71	33.50	36.00	31.60	34.10	>	1.00E-05
M63-2 (2b)	90	02-Apr-98	335425	4902394	Active	Mulltilevel	South	121.71	119.81	1.90	113.71	111.71	8.00	10.00	6.10	8.10		8.00E-07
M64-1	90	07-Apr-98	335585	4902174	Active	Mulltilevel	South	120.95	120.05	0.90	87.45	84.95	33.50	36.00	32.60	35.10	<	5.00E-09
M64-2 (2b)	90	07-Apr-98	335585	4902176	Active	Mulltilevel	South	120.95	120.05	0.90	112.45	109.95	8.50	11.00	7.60	10.10		7.00E-06
M65-1	90	29-May-98	335297	4903314	Active	Mulltilevel	South	123.83	122.03	1.80	121.93	121.33	1.90	2.50	0.10	0.70	<	1.00E-09
M65-2	90	29-May-98	335298	4903316	Active	Mulltilevel	South	123.83	122.03	1.80	120.58	119.23	3.25	4.60	1.45	2.80	<	1.00E-09
M66-1	90	29-May-98	335154	4903218	Active	Mulltilevel	South	123.54	122.04	1.50	120.54	119.14	3.00	4.40	1.50	2.90	<	1.00E-09
M66-2 (1)	90	29-May-98	335155	4903219	Active	Mulltilevel	South	123.54	122.04	1.50	122.24	121.54	1.30	2.00	-0.20	0.50		1.00E-08
M67-1	90	01-Jun-98	334799	4903089	Active	Mulltilevel	South	123.11	121.61	1.50	120.01	119.71	3.10	3.40	1.60	1.90	<	5.00E-10
M67-2 (1)	90	01-Jun-98	334799	4903090	Active	Mulltilevel	South	123.11	121.61	1.50	121.61	120.91	1.50	2.20	0.00	0.70		5.00E-08
M68-1	90	03-Jun-98	335670	4903504	Active	Single Screen	South	124.29	122.16	2.13	66.29	63.33	58.00	60.96	55.87	58.83		4.00E-08
M68-2	90	03-Jun-98	335671	4903502	Active	Single Screen	South	124.39	122.26	2.13	96.89	94.39	27.50	30.00	25.37	27.87	<	5.00E-08
M68-3	90	03-Jun-98	335671	4903500	Active	Single Screen	South	124.41	122.28	2.13	112.41	109.91	12.00	14.50	9.87	12.37	<	1.00E-08
M68-4 (1)	90	03-Jun-98	335672	4903499	Active	Single Screen	South	124.43	122.30	2.13	124.43	122.93	0.00	1.50	-2.13	-0.63	>	1.00E-04
M69-1	90	20-Jul-98	335062	4904299	Active	Single Screen	North	125.93	124.08	1.85	80.93	78.43	45.00	47.50	43.15	45.65		1.00E-07
M69-2	90	20-Jul-98	335063	4904298	Active	Single Screen	North	125.91	124.06	1.85	99.41	96.91	26.50	29.00	24.65	27.15	<	1.00E-09
M69-3	90	20-Jul-98	335063	4904296	Active	Single Screen	North	125.96	124.11	1.85	113.96	110.96	12.00	15.00	10.15	13.15	<	1.00E-09
M69-4	90	20-Jul-98	335064	4904295	Active	Single Screen	North	125.94	124.09	1.85	124.94	124.64	1.00	1.30	-0.85	-0.55		1.00E-07
M70-1 (2a)	90	29-Jun-98	335890	4902862	Active	Single Screen	South	127.20	124.76	2.44	99.70	96.30	27.50	30.90	25.06	28.46	<	5.00E-10
M70-2	90	29-Jun-98	335891	4902860	Active	Single Screen	South	127.05	124.61	2.44	115.05	113.55	12.00	13.50	9.56	11.06		1.00E-08
M70-3 (1)	90	29-Jun-98	335891	4902858	Active	Single Screen	South	127.12	124.68	2.44	126.12	125.82	1.00	1.30	-1.44	-1.14		3.00E-07
M71 (2a)	60	13-Jun-00	335390	4902773	Active	Single Screen	South	125.26	121.80	3.46	108.81	106.21	16.45	19.05	12.99	15.59		3.00E-05
M72 (2a)	60	15-Jun-00	334981	4902831	Active	Single Screen	South	128.39	122.50	5.89	112.37	110.20	16.02	18.19	10.13	12.30		3.00E-05
M73 (2a)	60	16-Jun-00	334931	4902891	Active	Single Screen	South	126.74	122.41	4.33	110.89	108.29	15.85	18.45	11.52	14.12		1.00E-05
M74 (2a)	60	19-Jun-00	334950	4902962	Active	Single Screen	South	125.04	121.92	3.12	117.68	115.51	7.36	9.53	4.24	6.41		2.00E-07
M75	60	21-Jun-00	335151	4903215	Active	Single Screen	South	123.57	122.53	1.04	118.98	116.64	4.59	6.93	3.55	5.89		2.00E-07
M76	60	26-Jun-00	335675	4903217	Active	Single Screen	South	126.70	123.41	3.29	117.61	115.27	9.09	11.43	5.80	8.14		2.00E-06
M77 (1)	60	22-Jun-00	335685	4903188	Active	Single Screen	South	128.27	123.94	4.33	123.59	121.34	4.68	6.93	0.35	2.60		1.00E-06
M78	90	11-Aug-00	335391	4902776	Active	Single Screen	South	125.49	121.89	3.60	120.79	117.79	4.70	7.70	1.10	4.10		6.50E-08
M79	90	10-Aug-00	335673	4903215	Active	Single Screen	South	126.89	123.09	3.80	121.69	118.69	5.20	8.20	1.40	4.40		1.60E-08
M80-1 (2a)	90	06-Oct-04	335207	4902532	Active	Single Screen	South	123.27	118.47	4.80	106.47	104.47	16.80	18.80	12.00	14.00		7.04E-05
M80-2 (1)	90	06-Oct-04	335206	4902534	Active	Single Screen	South	123.34	118.64	4.70	119.77	116.74	3.57	6.60	-1.13	1.90		1.38E-08
M81 (1)	90	06-Oct-04	335275	4902654	Active	Single Screen	South	125.05	120.05	5.00	121.30	118.24	3.75	6.81	-1.25	1.81		3.47E-06
M82-1 (2a)	90	06-Oct-04	334640	4903060	Active	Single Screen	South	122.17	120.97	1.20	104.57	101.77	17.60	20.40	16.40	19.20		2.72E-09
M82-2 (2a)	90	06-Oct-04	334641	4903058	Active	Single Screen	South	122.33	121.13	1.20	117.33	114.33	5.00	8.00	3.80	6.80	>	7.00E-05
M83	90	14-Oct-04	335169	4903156	Active	Single Screen	South	123.89	122.39	1.50	121.76	118.71	2.13	5.18	0.63	3.68		1.75E-09
M84	90	08-Oct-04	334702	4903072	Active	Single Screen	South	122.41	121.81	0.60	120.58	119.06	1.83	3.35	1.23	2.75		
M85	90	08-Oct-04	334999	4903208	Active	Single Screen	South	122.73	122.73	0.00	120.90	119.38	1.83	3.35	1.83	3.35		
M86	90	08-Oct-04	335077	4903195	Active	Single Screen	South	123.18	122.48	0.70	121.35	119.83	1.83	3.35	1.13	2.65		
M87-1	90	21-Nov-05	334959	4902493	Active	Single Screen	South	125.40	117.78	7.62	114.00	111.00	11.40	14.40	3.78	6.78		
M87-2 (1)	90	09-Jun-05	334965	4902495	Active	Single Screen	South	125.29	117.78	7.51	120.72	117.67	4.57	7.62	-2.94	0.11		4.77E-07
M88-1	90	21-Nov-05	334883	4902497	Active	Single Screen	South	128.96	117.86	11.10	113.56	110.56	15.40	18.40	4.30	7.30		
M88-2 (1)	90	09-Jun-05	334885	4902499	Active	Single Screen	South	128.91	117.86	11.05	120.99	117.94	7.92	10.97	-3.13	-0.08		1.22E-07
M89-1	90	22-Nov-05	334815	4902673	Active	Single Screen	South	131.67	121.31	10.36	114.07	111.27	17.60	20.40	7.24	10.04		
M89-2 (1)	90	10-Jun-05	334818	4902674	Active	Single Screen	South	131.38	121.31	10.07	124.37	121.32	7.01	10.06	-3.06	-0.01		1.17E-06
M90-1	90	10-Aug-05	334520	4903845	Active	Single Screen	North	117.60	115.16	2.44	98.70	92.61	18.90	24.99	16.46	22.55	<	1.00E-09
M90-2	90	10-Aug-05	334522	4903843	Active	Single Screen	North	126.90	124.70	2.20	122.33	119.28	4.57	7.62	2.37	5.42	<	1.00E-09
M91-1 (2a)	60	25-Sep-06	334798	4902729	Active	Single Screen	South	129.80	121.45	8.35	109.80	107.15	20.00	22.65	11.65	14.30		3.77E-09
M91-2	90	23-Oct-06	334792	4902734	Active	Single Screen	South	129.42	121.80	7.62	119.98	116.93	9.44	12.49	1.82	4.87		6.36E-08
M92	60	25-Sep-06	334767	4903780	Abandoned	Open Borehole	North	128.16	127.78	0.38								
M93	60	03-Oct-06	335006	4903908	Active	Single Screen	North	125.54	124.62	0.92	118.41	115.77	7.13	9.77	6.21	8.85		3.87E-09
M94-1	60	26-Sep-06	335497	4903519	Active	Single Screen	North	124.21	122.30	1.91	107.58	104.94	16.63	19.27	14.72	17.36		9.93E-10
M94-2	90	24-Oct-06	335486	4903526	Active	Single Screen	North	124.31	122.18	2.13	120.95	117.90	3.36	6.41	1.23	4.28		6.51E-07
M95-1 (2a)	60	04-Oct-06	334743	4902908	Active	Single Screen	South	123.42	122.11	1.31	108.91	106.26	14.51	17.16	13.20	15.85		1.07E-05
M95-2	90	24-Oct-06	334740	4902917	Active	Single Screen	South	123.37	122.00	1.37	120.78	117.74	2.59	5.63	1.22	4.26		6.51E-07
M96 (1)	90	26-May-08	335774	4903158	Active	Single Screen	South	129.61	125.40	4.21	126.87	122.29	2.74	7.32	-1.46	3.11		1.50E-06
M97 (1)	90	26-May-08	335059	4902551	Active	Single Screen	South	126.65	118.42	8.23	119.95	115.38	6.71	11.28	-1.52	3.05		2.60E-08
M98 (1)	90	27-May-08	334976	4902730	Active	Single Screen	South	130.23	120.78	9.45	122.30	117.73	7.92	12.50	-1.52	3.05		2.80E-06
M99-1	90	30-May-08	334869	4902646	Active	Single Screen	South	130.49	120.74	9.75	114.34	111.29	16.15	19.20	6.40	9.45	<	1.00E-09
M99-2 (1)	90	04-Jun-08	334869	4902646	Active	Single Screen	South	130.51	120.76	9.75	122.21	117.63	8.31	12.88	-1.45	3.12		1.30E-06
M100 (1)	90	28-May-08	334994	4902965	Active	Single Screen	South	125.78	122.09	3.69	123.62	119.05	2.16	6.73	-1.53	3.04		2.60E-08
M101 (1)	90	28-May-08	334949	4903015	Active	Single Screen	South	124.35	122.03	2.32	122.37	119.02	1.98	5.33	-0.34	3.02		3.90E-07
M102 (1)	90	28-May-08	334836	4902919	Active	Single Screen	South	124.72	122.03	2.68	122.69	119.03	2.03	5.69	-0.65	3.01		2.80E-06
M103 (1)	90	17-Jun-08	335021	4903101	Active	Single Screen	South	124.42	122.31	2.10	122.59	119.54	1.83	4.88	-0.27	2.77		4.60E-09
M104	90	17-Jun-08	335150	4903152	Active	Single Screen	South	123.57	122.05	1.52	122.20	119.15	1.37	4.42	-0.15	2.90		9.50E-09
OW1	90	01-Jan-78	334995	4903200	Active	Single Screen	South	122.96	122.66	0.30	117.71	117.21	5.25	5.75	4.95	5.45		
OW4	90	01-Jan-78	335108	4903128	Active	Single Screen	South	123.96	122.36	1.60	118.71	118.21	5.25	5.75	3.65	4.15		6.00E-08
OW5	90	01-Jan-78	335113	4903134	Active	Single Screen	South	123.91	122.39	1.52	122.71	122.41	1.20	1.50	-0.32	-0.02		
OW36	90	01-Jan-83	334799	4903100	Active	Open Borehole	South	122.53	121.98	0.55	121.78	113.43	0.75	9.10	0.20	8.55		
OW37-d	90	01-Jan-78	334630	4903063	Active	Single Screen	South	121.61	120.11	1.50	112.66	111.86	8.95	9.75	7.45	8.25		2.00E-08
OW37-s (1)	90	29-Jan-78	334634	4903062	Active	Open Borehole	South	121.89	120.49	1.40	120.19	118.84	1.70	3.05	0.30	1.65		2.00E-05
OW45	90	23-Jul-85			Abandoned	Single Screen	South	125.91	123.81	2.10	124.31	123.81	1.60	2.10	-0.50	0.00		
OW46	90	23-Jul-85	335459	4902928	Abandoned	Single Screen	South	126.60	123.85	2.75	124.35	123.85	2.25	2.75	-0.50	0.00		
OW49	90	23-Jul-85	335554	4902911	Abandoned	Single Screen	South	127.89	125.19	2.70	125.69	125.19	2.20	2.70	-0.50	0.00		
OW50	90	23-Jul-85	335534	4902960	Abandoned	Single Screen	South	128.72	125.57	3.15	126.22	125.57	2.50	3.15	-0.65	0.00		
OW51	90	23-Jul-85	335535	4903007	Abandoned	Single Screen	South	126.76	123.61	3.15	124.26	123.61	2.50	3.15	-0.65	0.00		
OW54-d (2a)	90	05-Aug-86	335406	4902785	Active	Mulltilevel	South	124.82	121.82	3.00	109.37	104.97	15.45	19.85	12.45	16.85		4.00E-08
OW54-i (2b)	90	05-Aug-86	335406	4902785	Active	Mulltilevel	South	124.82	121.82	3.00	116.57	112.67	8.25	12.15	5.25	9.15		9.00E-09
OW54-s	90	05-Aug-86	335406	4902785	Active	Mulltilevel	South	124.82	121.82	3.00	121.67	120.02	3.15	4.80	0.15	1.80	<	1.00E-09
OW55-d	90	06-Aug-86	335376	4903186	Active	Mulltilevel	South	125.12	122.42	2.70	109.67	105.27	15.45	19.85	12.75	17.15		2.00E-09
OW55-i	90	06-Aug-86	335376	4903186	Active	Mulltilevel	South	125.12	122.42	2.70	117.87	112.87	7.25	12.25	4.55	9.55		2.00E-08
OW55-s	90	06-Aug-86	335376	4903184	Active	Mulltilevel	South	125.12	122.42	2.70	122.12	118.62	3.00	6.50	0.30	3.80		2.00E-08
OW56-d	90	07-Aug-86	335106	4903131	Active	Mulltilevel	South	123.94	122.42	1.52	108.64	104.09	15.30	19.85	13.78	18.33	<	1.00E-09
OW56-i	90	07-Aug-86	335106	4903131	Active	Mulltilevel	South	123.94	122.42	1.52	116.24	111.69	7.70	12.25	6.18	10.73	<	1.00E-09
OW56-s	90	07-Aug-86	335106	4903129	Active	Mulltilevel	South	123.94	122.42	1.52	120.64	119.14	3.30	4.80	1.78	3.28	<	1.00E-09
OW57 (1)	90	08-Aug-86	335117	4902762	Active	Single Screen	South	130.82	120.30	10.52	120.12	119.07	10.70	11.75	0.18	1.23		3.00E-09
OW58	90	13-Aug-86	335215	4903045	Abandoned	Single Screen	South	146.53	123.28	23.25	136.53	135.33	10.00	11.20	-13.25	-12.05		
PW1	90	11-Feb-98	335465	4902639	Active	Open Borehole	South	125.74	122.64	3.10	122.74	95.24	3.00	30.50	-0.10	27.40		1.00E-04
PW2	90	30-Mar-98	334988	4903095	Active	Single Screen	South	124.30	122.50	1.80	96.85	93.80	27.45	30.50	25.65	28.70		
PW3	90	30-Mar-09	335620	4902778	Active	Open Borehole	South	126.81	125.21	1.60	125.21	96.81	1.60	30.00	0.00	28.40		
PW4	90	31-Mar-09	335626	4902775	Active	Open Borehole	South	127.06	125.46	1.60	125.46	115.41	1.60	11.65	0.00	10.05		
PW5	90	24-Mar-09	335066	4902547	Active	Open Borehole	South	126.38	117.73	8.65	117.73	92.88	8.65	33.50	0.00	24.85		

* Identifies hydraulically responsive monitors used to construct potentiometric surfaces:

(1) Shallow Groundwater Flow Zone - Monitor was Selected Based on Review of Historical Hydrographs and Hydraulic Properties

(2a) Intermediate Bedrock Groundwater Flow Zone - Monitor was Selected Based on Results from 2009 Aquifer Testing Program (Interference Tests)

(2b) Intermediate Bedrock Groundwater Flow Zone - Monitor was Selected Based on Review of Historical Hydrographs & Hydraulic Properties

** Indicates a borehole dip angle of 30° from vertical (all reported monitor depths and elevations have been corrected to vertical)