

Appendix 5

GROUNDWATER MONITORING DATA

- (a) Groundwater Monitoring Results
- (b) 2006/2007 Surface and Groundwater
Monitoring Review

Appendix 5(a)

GROUNDWATER MONITORING DATA

Groundwater Monitoring Results

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Sample Location	Sample Date	Alkalinity - Total as CaCO3 mg CaCO3/l	Arsenic - mg/L	Calcium - total mg/L	Chloride mg/L	Depth to Ground metres	Depth to Standpipe metres	Electrical Conductivity µS/cm - field	Lead - filterable mg/L	Magnesium - total mg/L	Manganese - filterable mg/L	Nickel - filterable mg/L	Nitrates - mg/N/L	pH - field	Phosphorus - reactive mg/L	Potassium - total mg/L	Sodium - total mg/L	Sulfates mg/L	Total Nitrogen mg/L	Total Petroleum Hydrocarbons mg/L	Total Phosphorus mg/L	Zinc - filterable mg/L
MW1 - Hillview	21-Apr-06																51	8	7.3	<2	0.08	0.010
MW1 - Hillview	05-Jul-06								request								56	<2	1		0.18	
MW1 - Hillview	10-Oct-06							1230	0.00095	58	<0.001	0.004	6.30	7.0	0.01	0.41	56	<2			0.10	<0.005
MW1 - Hillview	06-Nov-06	590	<0.001	131	78	52.00	52.30	1250	0.00074	63	<0.001	0.004	6.70	6.7	0.04	0.47	55	2	6.9	<2		
MW1 - Hillview	10-Jan-07	620	0.004	129	78	51.05	51.35															
MW2 - Railway View	21-Apr-06	440	0.001	95	67	26.35	26.47	1200	0.00062	72	0.005	0.004	6.4	7.3	0.05	0.5	52	<2	6.9	<2	0.29	0.10
MW2 - Railway View	05-Jul-06	440	0.001	80	64	26.72	26.85	1000	0.00053	54	<0.001	0.003	6.9	7.1	0.05	0.5	148	46	2.1	<2	0.66	0.018
MW2 - Railway View	10-Oct-06	440	<0.001	89	71	27.27	27.41	1010	0.00065	63	<0.001	0.003	6.9	7.0	0.02	0.28	51	8				
MW2 - Railway View	10-Jan-07	460	0.001	83	71	27.56	27.74	1020	0.00071	56	<0.001	0.003	7.20	6.9	0.05	0.26	49	<2	7.4	<2	0.12	0.009
MW3 - Eurundera	21-Apr-06	240	0.010	127	404	14.85	15.25	1700	<0.00005	70	0.006	0.007	6.4	7.8	0.37	16	100	29	8.5	<2	0.98	0.006
MW3 - Eurundera	05-Jul-06	390	0.002	185	520	14.95	15.35	2400	<0.00005	112	0.020	0.007	3.8	7.0	0.08	3.0						
MW3 - Eurundera	10-Oct-06	425	0.011	216	673	15.34	15.73	2630	<0.00005	128	0.017	0.009	1.10	7.4	0.20	16	148	46	7.3	<2	0.08	0.010
MW3 - Eurundera	10-Jan-07	425	0.004	187	631	14.95	15.34	2670	<0.00005	114	0.009	0.007	2.40	7.0	0.18	15	133	49	2.8	<2	0.37	0.021
MW4 - Piezo 1	21-Apr-06					8.92	9.36															
MW4 - Piezo 1	09-Jan-07					8.94	9.38															
MW5 - Piezo 2	21-Apr-06	340	<0.001	138	454	8.33	9.44	1900	0.00025	81	0.095	0.009	<0.01	7.4	0.05	5.0	110	12	5.1	2	1.05	0.052
MW5 - Piezo 2	05-Jul-06	410	<0.001	136	490	8.4	9.5	2230	0.00005	87	0.73	0.006	<0.2	7.3	0.02	3.7	239	35	4.0	<2	0.20	0.008
MW5 - Piezo 2	10-Oct-06	395	<0.001	150	503	8.43	9.53	2180	<0.00005	92	0.74	0.007	<0.01	7.2	0.03	0.35	132	<2				
MW5 - Piezo 2	09-Jan-07	445	<0.001	223	638	8.63	9.64	2640	0.00007	118	0.31	0.007	2.00	6.6	0.06	0.93	136	65	2.0	<2	0.02	<0.005
MW6 - Piezo 3	21-Apr-06	520	0.001	30	206	9.91	10.95	1600	0.00009	73	0.014	0.005	3.1	7.3	0.04	2.0	200	20	3.9	<2	0.23	0.098
MW6 - Piezo 3	05-Jul-06	710	0.002	88	215	10.18	11.22	1920	<0.00005	103	0.018	0.004	3.6	7.0	0.24	2.0	38	26	1.2	<2	0.09	0.009
MW6 - Piezo 3	10-Oct-06	685	0.002	65	237	10.63	11.57	1890	<0.00005	81	0.006	0.003	3.50	7.0	0.07	1.3	239	35	2.0	2	0.17	<0.005
MW6 - Piezo 3	09-Jan-07	730	0.002	78	248	10.68	11.71	1930	0.00006	83	0.004	0.003	4.00	6.9	0.13	0.45	205	37	4.0	<2	0.06	<0.005
MW7 - Rosehill	21-Apr-06	106	0.001	25	50	4.51	4.51	360	<0.00005	14	0.007	0.002	0.98	7.0	0.07	0.5	32	15	1.1	<2	0.12	0.077
MW7 - Rosehill	05-Jul-06	156	0.002	37	57	4.35	4.47	520	<0.00005	20	0.001	0.002	1.4	6.9	0.08	1.5	59	36	1.6	<2	0.09	0.005
MW7 - Rosehill	10-Oct-06	156	0.002	37	60	4.39	4.54	510	<0.00005	17	0.008	0.002	1.10	7.1	0.03	0.59	38	26	4.0	<2	0.20	0.008
MW7 - Rosehill	10-Jan-07	168	0.002	41	60	4.73	4.87	530	<0.00005	21	0.005	0.001	1.30	6.7	0.07	0.65	40	35	1.4	<2	0.15	0.007
MW8 - Roseneath	21-Apr-06	365	<0.001	109	174	14.93	15.13	1290	0.00006	54	0.012	0.046	4	7.3	0.03	1.5	75	42	4.4	<2	0.14	0.096
MW8 - Roseneath	05-Jul-06	405	<0.001	116	215	15.75	15.95	1470	0.00008	66	0.001	0.011	5.4	7.0	0.03	2.0	68	11	8.4	<2	0.10	0.17
MW8 - Roseneath	10-Oct-06	270	<0.001	57	81	16.60	16.80	790	0.00010	27	0.001	0.003	1.50	7.0	0.02	0.68	59	36	1.2	<2	0.09	0.009
MW8 - Roseneath	10-Jan-07	415	<0.001	136	289	17.35	17.56	1650	0.00067	75	0.002	0.012	6.40	7.1	0.03	1.3	81	62	6.7	<2	0.07	0.013