



**Appendix B
Table 2
Groundwater Analytical Results**

	Inorganics		Metals							Alkalinity	Major Ions					Nutrients				
	Bicarbonate Alkalinity as CaCO ₃	pH (Lab)	Arsenic (Filtered)	Cadmium (Filtered)	Chromium (III+VI) (Filtered)	Copper (Filtered)	Lead (Filtered)	Mercury (Filtered)	Nickel (Filtered)	Zinc (Filtered)	Alkalinity (Carbonate as CaCO ₃)	Calcium	Chloride	Magnesium	Potassium	Sodium	Ammonia as N	Nitrate (as N)	Nitrite (as N)	Sulphate as S
	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL	20	0.1	0.001	0.0002	0.001	0.001	0.001	0.0001	0.001	0.001	10	0.5	1	0.5	0.5	0.5	0.01	0.02	0.02	5
ADWG 2011 Health			0.01	0.002		2	0.01	0.001	0.02								0.5			
Environmental Trigger Value (RAP GHD, 2011)			0.013	0.0121			0.07	1.18	0.55	0.4							0.9			

Field ID	Location Code	Sampled Date Time	Sample Type	Bicarbonate Alkalinity as CaCO ₃	pH (Lab)	Arsenic (Filtered)	Cadmium (Filtered)	Chromium (III+VI) (Filtered)	Copper (Filtered)	Lead (Filtered)	Mercury (Filtered)	Nickel (Filtered)	Zinc (Filtered)	Alkalinity (Carbonate as CaCO ₃)	Calcium	Chloride	Magnesium	Potassium	Sodium	Ammonia as N	Nitrate (as N)	Nitrite (as N)	Sulphate as S
GG1	GG1	7/09/2015	Normal	<20	4.6	<0.1	0.38	<0.1	<0.1	16	<0.0005	3.1	3100	<10	1900	31,000	1500	100	6000	250	4.6	<2	290
GG10	GG10	7/09/2015	Normal	<20	4.2	<0.1	0.31	<0.1	1.4	8	<0.0005	4.3	2500	<10	1300	25,000	1100	71	6300	47	<0.2	0.34	250
GG2	GG2	7/09/2015	Normal	<20	4.1	<0.05	0.16	<0.05	1.1	7.3	<0.0005	3.1	1800	<10	760	18,000	760	55	3400	340	6.3	<2	300
GG5	GG5	7/09/2015	Normal	<20	1.5	<0.1	1.2	17	27	66	0.0032	14	15,000	<10	3800	94,000	630	<50	4900	820	1	<0.4	88
GG7	GG7	7/09/2015	Normal	480	6.7	<0.01	<0.005	<0.01	<0.01	<0.01	<0.0001	<0.01	<0.01	<10	87	6200	560	23	3900	0.1	<0.02	<0.02	260
GG8	GG8	7/09/2015	Normal	860	7.2	<0.01	<0.005	<0.01	<0.01	<0.01	<0.0001	<0.01	<0.01	<10	120	4300	390	19	2900	0.2	<0.02	<0.02	270
GG9	GG9	7/09/2015	Normal	<20	4.8	<0.1	0.21	<0.1	<0.1	2.8	<0.0005	2.5	2300	<10	1600	28,000	1600	91	6700	96	<0.2	0.47	300
MW119	MW119	7/09/2015	Normal	410	7	<0.01	<0.005	<0.01	<0.01	0.043	<0.0001	0.028	26	<10	26	2600	99	16	2100	0.28	0.19	<0.02	130
MW127	MW127	7/09/2015	Normal	700	7	<0.01	<0.005	<0.01	<0.01	<0.01	<0.0001	<0.01	0.39	<10	11	4200	230	12	3200	<0.01	<0.02	<0.02	240
MW134D	MW134D	7/09/2015	Normal	<20	3.4	<0.1	1.2	<0.1	7.4	72	<0.0005	9.5	11,000	<10	3800	56,000	1400	200	7000	1300	9.9	<2	140
MW134S	MW134S	7/09/2015	Normal	620	7.1	<0.01	<0.005	<0.01	<0.01	<0.01	<0.0001	<0.01	0.54	<10	120	4300	490	20	3100	<0.01	2	<0.02	210
MW135	MW135	7/09/2015	Normal	320	6.5	<0.01	<0.005	<0.01	<0.01	<0.01	<0.0001	<0.01	0.26	<10	31	6500	540	20	4700	0.01	0.18	<0.02	280
QA01	WS-MW9	7/09/2015	Field_D	-	-	<0.001	<0.001	<0.01	<0.01	<0.01	<0.0001	<0.01	<0.01	-	-	-	-	-	-	0.51	-	-	-
QA02	GG9	7/09/2015	Field_D	-	-	<0.01	0.22	<0.01	<0.01	1.7	<0.0001	1.3	1900	-	-	-	-	-	-	130	-	-	-
WS-MW5	WS-MW5	7/09/2015	Normal	280	6.2	0.14	<0.005	<0.05	<0.05	<0.05	<0.0005	0.22	76	<10	350	10,000	820	36	5200	5.2	<0.02	<0.02	290
WS-MW6	WS-MW6	7/09/2015	Normal	290	7	<0.01	<0.005	<0.01	<0.01	<0.01	<0.0001	<0.01	0.023	<10	84	2800	270	19	2000	0.09	1.1	<0.02	89
WS-MW7	WS-MW7	7/09/2015	Normal	890	7.3	<0.01	0.0063	<0.01	<0.01	<0.01	<0.0001	<0.01	<0.001	<10	120	5500	470	20	3500	0.57	<0.02	<0.02	230
WS-MW8	WS-MW8	7/09/2015	Normal	30	5.2	<0.1	0.1	<0.1	<0.1	<0.1	<0.0005	1.2	1100	<10	970	21,000	1400	61	6400	52	<0.2	<0.2	290
WS-MW9	WS-MW9	7/09/2015	Normal	710	7.3	0.37	<0.005	<0.05	<0.05	0.023	<0.0005	<0.05	<0.05	<10	130	7400	610	21	4800	0.51	<0.02	<0.02	260

Statistical Summary																							
Number of Results	17	17	19	19	19	19	19	19	19	19	19	19	19	17	17	17	17	17	17	19	17	17	17
Number of Detects	11	17	2	9	1	4	9	1	10	14	0	17	17	17	16	17	17	17	8	2	17	17	
Minimum Concentration	<20	1.5	<0.001	<0.001	<0.01	<0.01	<0.01	<0.0001	<0.01	<0.001	<0.01	<0.01	<0.001	<10	11	2600	99	12	2000	<0.01	<0.02	<0.02	88
Minimum Detect	30	1.5	0.14	0.0063	17	1.1	0.023	0.0032	0.028	0.023	ND	11	2600	99	12	2000	0.01	0.18	0.34	88	88	88	
Maximum Concentration	890	7.3	0.37	1.2	17	27	72	0.0032	14	15000	<10	3800	94000	1600	200	7000	1300	9.9	<2	300	300	300	
Maximum Detect	890	7.3	0.37	1.2	17	27	72	0.0032	14	15000	ND	3800	94000	1600	200	7000	1300	9.9	0.47	300	300	300	
Average Concentration	332	5.7	0.046	0.2	0.91	2	9.2	0.0003	2.1	2042	5	895	19224	757	48	4476	160	1.5	0.25	230	230	230	
Median Concentration	290	6.5	0.005	0.0025	0.005	0.005	0.025	0.00005	0.028	26	5	130	7400	610	23	4700	0.57	0.1	0.01	260	260	260	
Standard Deviation	326	1.7	0.085	0.37	3.9	6.3	22	0.00071	3.7	4055	0	1246	23927	472	48	1615	340	2.8	0.38	73	73	73	
Number of Guideline Exceedances	0	0	9	18	0	2	11	1	11	11	0	0	0	0	0	0	0	0	12	0	0	0	
Number of Guideline Exceedances(Detects Only)	0	0	2	9	0	2	9	1	10	11	0	0	0	0	0	0	0	0	12	0	0	0	