

Table 1 - Field and Laboratory Results for Groundwater - October 2020

Analyte	Units	PQL	ANZECC 2000 FW 95%	EPL Groundwater Trigger Levels Licence 6269	Field_ID	BH01-2	BH1	BH2	BH3	BH4
					LocCode	BH01-2	BH1	BH2	BH3	BH4
					WellCode					
					Sampled Date	29/10/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020
NEPM 2013 Table 1C GILs, Fresh Waters										
Field	Dissolved Oxygen (Filtered)	mg/L				0	0	6	0	0
	EC (field)	uS/cm		1065		1590	289	1640	1600	2020
	pH (Field)	pH Units		6.5 - 8.0		5.8	4.3	6.7	6.4	6.4
	PID	ppm				29.5	<1	<1	77	16
	Temp	oC				20.2	17.9	18.7	18.2	18.6
Ion Balance	Magnesium (Filtered)	mg/L	0.5	10.05		19	1	17	30	31
Miscellaneous Inorganics	Ammonia as N	mg/L	0.005	0.9	0.9	0.045	0.36	0.074	0.11	0.1
	Nitrate (as N)	mg/L	0.005	0.7	0.7	0.008	0.22	0.04	0.082	0.053

Notes  
Only EPL Trigger Levels exceedances highlighted

Table 2 - Field and Laboratory Results for Surface water - October and November 2020

Analytes	Units	PQL	ANZECC 2000 FW 95%	EPL Surface Water Trigger Levels Licence 6269	Field_ID	L8	L8	S4	S5	S6	S7
					LocCode	L8	L8	S4	S5	S6	S7
					WellCode						
					Sampled Date	29/10/2020	9/11/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020
NEPM 2013 Table 1C GILs, Fresh Waters											
Field	Dissolved Oxygen (Filtered)	mg/L		12.057		5.25	13	4.3	1.06	5.23	4.19
	EC (field)	uS/cm		1065		2440	2530	188	938	658	909
	pH (Field)	pH Units		6.5 - 8.0		8.4	8.4	6.2	6.9	6.6	7.4
	Temp	oC				21.6	23.7	17.9	17.7	17.7	20.9
	Iron in water - dissolved	Iron (Filtered)	mg/L	0.01	1.84		0.088	0.14	0.29	0.41	0.28
HM in water - total	Manganese (Filtered)	mg/L	0.005	1.9	1.9	0.53	0.18	0.022	0.025	0.16	0.33
	Iron	mg/L	0.01	1.84		1.9	1	2.1	2.3	1.6	4.7
Ion Balance	Manganese	mg/L	0.005	1.9	1.9	0.62	0.33	0.086	0.047	0.16	0.38
	Alkalinity (Carbonate)	mg/L	5			<5	<5	<5	<5	<5	<5
	Alkalinity (Hydroxide) as CaCO3	mg/L	5			<5	<5	<5	<5	<5	<5
	Alkalinity (total) as CaCO3	mg/L	5	12.283		410	410	7	21	7	67
	Alkalinity (Bicarbonate as CaCO3)	mg/L	5			410	410	7	21	7	67
	Calcium (Filtered)	mg/L	0.5	2.05		67	69	1.5	19	10	40
	Chloride	mg/L	1	54.49		400	410	30	110	120	140
	Ionic Balance	%				-4	-4	-2	4	4	5
	Magnesium (Filtered)	mg/L	0.5	10.05		30	29	2.9	10	12	13
	Potassium (Filtered)	mg/L	0.5	2.282		44	42	2	15	7.3	18
	Sodium (Filtered)	mg/L	0.5	34		290	300	19	68	76	86
	Sulphate	mg/L	1	3.1		78	74	13	57	56	64
	Miscellaneous Inorganics	Ammonia as N	mg/L	0.005	0.9	0.9	38	43	0.014	0.061	0.05
Fluoride		mg/L	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrate (as N)		mg/L	0.005	0.7	0.7	1.1	0.64	0.13	2.9	0.54	3.8
TOC		mg/L	1	33.1		57	59	22	28	13	34
TSS		mg/L	5	33.415		270	18	41	74	17	290
Total Phenolics	Phenolics Total	mg/L	0.05	0.32		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Notes  
Only EPL Trigger Level Exceedances highlighted