

Table 2: Q3 April 2022 - Field and Laboratory Results for Groundwater

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	12/04/2022	12/04/2022	12/04/2022	12/04/2022	12/04/2022
NEPM 2013 Table 1C GILs, Fresh Waters										
Field	Dissolved Oxygen (Filtered)	mg/L			18.2	Well blocked by obstruction following measurement of groundwater level. No further measurements could be taken.	10.9	17.0	16.6	
	EC (field)	uS/cm		1065	1550		1610	1480	1930	
	pH (Field)	pH_Units		6.5 - 8.0	7.0		7.1	7.0	7.1	
	pid	ppm			<0.1		<0.1	<0.1	<0.1	
	Temp	°C			19.8		20.0	20.5	20.7	
Ion Balance	Magnesium (Filtered)	mg/L	0.5	10.05	18		17	27	31	
Miscellaneous Inorganics	Ammonia as N	mg/L	0.005	0.9	0.9	<0.005	<0.005	<0.005	<0.005	
	Nitrate (as N)	mg/L	0.005	0.7	0.7	0.23	0.22	3.6	0.18	

Notes  
 Only EPL Trigger Levels exceedances highlighted

Table 3: Q3 April 2022 - Field and Laboratory Results for Surface Water

Analytes	Units	PQL	ANZECC 2000 FW 95%	EPL Surface Water Trigger Levels Licence 6269	Field_ID	L8	S4	S5	S6	S7
					LocCode	L8	S4	S5	S6	S7
					WellCode					
					Sampled Date	12/04/2022	12/04/2022	12/04/2022	12/04/2022	12/04/2022
NEPM 2013 Table 1C GILs, Fresh Waters					Lab Received Date	14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Field	Dissolved Oxygen (Filtered)	mg/L		12.057	2	14	51	4	18	
	EC (field)	uS/cm		1065	723	79	412	401	2580	
	pH (Field)	pH_Units		6.5 - 8.0	7.7	8.5	7.8	7.5	8.3	
	Temp	°C								
HM in water - dissolved	Iron (Filtered)	mg/L	0.01	1.84	3.7	2	1.3	0.5	1.6	
	Manganese (Filtered)	mg/L	0.005	1.9	1.9	0.24	0.005	0.16	<0.005	0.24
HM in water - total	Iron	mg/L	0.01	1.84	4.1	1	2.6	1.9	1.6	
	Manganese	mg/L	0.005	1.9	1.9	0.3	0.01	0.2	0.6	0.3
Ion Balance	Alkalinity (Carbonate)	mg/L	5		<5	[NT]	<5	<5	<5	
	Alkalinity (Hydroxide) as CaCO3	mg/L	5		<5	[NT]	<5	<5	<5	
	Alkalinity (total) as CaCO3	mg/L	5	12.283	630	[NT]	73	63	120	
	Alkalinity (Bicarbonate as CaCO3)	mg/L	5		630	[NT]	73	63	120	
	Calcium (Filtered)	mg/L	0.5	2.05	29	<0.5	14	13	31	
	Chloride	mg/L	1	54.49	410	[NT]	74	71	120	
	Ionic Balance	%			-17	[NT]	-2	0	0	
	Magnesium (Filtered)	mg/L	0.5	10.05	16	0.6	5	5.2	8.9	
	Potassium (Filtered)	mg/L	0.5	2.282	55	1	7.9	7.8	13	
	Sodium (Filtered)	mg/L	0.5	34	310	12	53	49	85	
Miscellaneous Inorganics	Sulphate	mg/L	1	3.1	28	[NT]	9	10	19	
	Ammonia as N	mg/L	0.005	0.9	110	[NT]	4.7	4	8.6	
	Fluoride	mg/L	0.1		0.1	[NT]	<0.1	<0.1	<0.1	
	Nitrate (as N)	mg/L	0.005	0.7	0.7	3.1	[NT]	<0.005	<0.005	<0.005
	TOC	mg/L	1	33.1	93	13	20	20	39	
Total Phenolics	Phenolics Total	mg/L	0.05	0.32	65	[NT]	79	33	990	
					<0.05	<0.05	<0.05	<0.05	<0.05	

Notes  
 Only EPL Trigger Level Exceedances highlighted  
 NT - No test as sample was lost in transit