

Table 2: Q1 Feb 2022 - Field & Laboratory Test Results for Surface Water (89781.00.L.003).

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	1/02/2022	1/02/2022	1/02/2022	1/02/2022	1/02/2022
					Lab Received Date	2/02/2022	2/02/2022	2/02/2022	2/02/2022	2/02/2022
NEPM 2013 Table 1C GILs, Fresh Waters										
Field	Dissolved Oxygen (Filtered)	mg/L		12.057		14.2	12.7	8.1	8	17.1
	EC (field)	uS/cm		1065		2580	119	138	97	551
	pH (Field)	pH Units		6.5 - 8.0		7.7	7.8	7.1	7.2	7.8
	Temp	oC								
HM in water - dissolved	Iron (Filtered)	mg/L	0.01	1.84		3.2	0.65	0.78	0.82	0.13
	Manganese (Filtered)	mg/L	0.005	1.9	1.9	0.28	0.011	0.02	0.015	0.006
HM in water - total	Iron	mg/L	0.01	1.84		4.3	0.93	1.4	1.5	1
	Manganese	mg/L	0.005	1.9	1.9	0.34	0.011	0.041	0.029	0.095
Ion Balance	Alkalinity (Carbonate)	mg/L	5			40	<5	<5	<5	<5
	Alkalinity (Hydroxide) as CaCO3	mg/L	5			<5	<5	<5	<5	<5
	Alkalinity (total) as CaCO3	mg/L	5		12.283		510	9	11	17
	Alkalinity (Bicarbonate as CaCO3)	mg/L	5			470	9	11	17	73
	Calcium (Filtered)	mg/L	0.5		2.05		41	1	2	1
	Chloride	mg/L	1		54.49		550	31	34	38
	Ionic Balance	%					-9	-7	-5	-15
	Magnesium (Filtered)	mg/L	0.5		10.05		23	2	2	1
	Potassium (Filtered)	mg/L	0.5		2.282		69	1	2	2
	Sodium (Filtered)	mg/L	0.5		34		370	16	19	20
Sulphate	mg/L	1		3.1		17	3	3	3	
Miscellaneous Inorganics	Ammonia as N	mg/L	0.005	0.9	0.9	46	<0.005	<0.005	<0.005	0.045
	Fluoride	mg/L	0.1			0.1	<0.1	<0.1	<0.1	<0.1
	Nitrate (as N)	mg/L	0.005	0.7	0.7	0.29	0.11	<0.005	<0.005	0.34
	TOC	mg/L	1		33.1		91	17	19	20
	TSS	mg/L	5		33.415		21	<10	11	15
Total Phenolics	Phenolics Total	mg/L	0.05	0.32	0.32	<0.05	<0.05	<0.05	<0.05	<0.05

Notes  
 Only EPL Trigger Level Exceedances highlighted

Well ID	Gauging Date	TOC Elevation (mAHD)	Total Depth at Completion (mbTOC)	Depth to Water (mbTOC)	Corrected Water Elevation (mAHD)	Methane (ppm)	Carbon Dioxide	Oxygen	pH	EC (µS/cm)	mV	DO (ppm)	Temp (°C)	Turbidity (NTU)	Comments				
															Turbidity	Colour	Odour	Flow	
BH1	2/02/2022	50.17	25.13	20.59	29.58	0.1	0.8	19.9	-	-	-	-	-	-	-	-	-	-	-
BH01-2	2/02/2022	29.64	25.30	4.98	24.66	0.0	0.0	20.8	-	-	-	-	-	-	-	-	-	-	-
BH2	2/02/2022	25.72	25.63	1.50	24.22	0.0	0.0	20.3	-	-	-	-	-	-	-	-	-	-	-
BH3	2/02/2022	29.78	25.88	5.88	23.90	0.0	0.1	21.1	-	-	-	-	-	-	-	-	-	-	-
BH4	2/02/2022	26.35	21.77	2.41	23.94	0.0	0.0	21.3	-	-	-	-	-	-	-	-	-	-	-
S4	1/02/2022	-	-	-	-	-	-	-	7.8	119	54	12.7	27.2	16	Minimal	Brown	None	No flow	
S5	1/02/2022	-	-	-	-	-	-	-	7.75	551	93	17.1	32.3	19	Minimal	Brown	Slight H2S	No flow	
S6	1/02/2022	-	-	-	-	-	-	-	7.23	97	105	8.0	29.7	148	Slight	Brown	Slight H2S	Flowing	
S7	1/02/2022	-	-	-	-	-	-	-	7.1	138	108	8.1	27.3	26	Slight	Brown	None	No flow	
L8	1/02/2022	-	-	-	-	-	-	-	7.74	2580	91	14.2	34.3	73	Slight	Brown	None	No flow	