

Table 2 - Field and Laboratory Results for Surface water - January 2021

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	27/01/2021	27/01/2021	27/01/2021	27/01/2021	27/01/2021
					Lab Received Date	28/01/2021	28/01/2021	28/01/2021	28/01/2021	28/01/2021
					NEPM 2013 Table 1C GILs, Fresh Waters					
Field	Dissolved Oxygen (Filtered)	mg/L		12.057		2.07	4.69	5.22	8.32	10.1
	EC (field)	uS/cm		1065		1290	140	540	151	820
	pH (Field)	pH Units		6.5 - 8.0		7.2	7	7.1	8.1	7.9
	Temp	oC				32.4	29.5	26.8	27.5	33.7
HM in water - dissolved	Iron (Filtered)	mg/L	0.01	1.84		0.36	0.84	2.4	1.3	0.66
	Manganese (Filtered)	mg/L	0.005	1.9	1.9	0.016	0.011	0.26	0.062	0.055
HM in water - total	Iron	mg/L	0.01	1.84		-	1	2.6	1.7	1.5
	Manganese	mg/L	0.005	1.9	1.9	-	0.02	0.27	0.073	0.16
Ion Balance	Alkalinity (Carbonate)	mg/L	5			28	<5	<5	<5	17
	Alkalinity (Hydroxide) as CaCO3	mg/L	5			<5	<5	<5	<5	<5
	Alkalinity (total) as CaCO3	mg/L	5		12.283	150	11	110	39	150
	Alkalinity (Bicarbonate as CaCO3)	mg/L	5			120	11	110	39	130
	Calcium (Filtered)	mg/L	0.5		2.05	32	1.2	23	5.9	42
	Chloride	mg/L	1		54.49	240	24	86	47	130
	Ionic Balance	%				1	2	1	2	1
	Magnesium (Filtered)	mg/L	0.5		10.05	17	1.6	9.7	4.7	13
	Potassium (Filtered)	mg/L	0.5		2.282	25	2	10	5.2	15
	Sodium (Filtered)	mg/L	0.5		34	170	17	60	32	90
Miscellaneous Inorganics	Sulphate	mg/L	1		3.1	38	1	4	2	29
	Ammonia as N	mg/L	0.005	0.9	0.9	0.31	0.006	0.2	0.024	0.36
	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	1.8	<0.005	0.03	<0.005	<0.005
	TOC	mg/L	1		33.1	38	29	41	33	52
	TSS	mg/L	5		33.415	48	7	19	13	24
Total Phenolics	Phenolics Total	mg/L	0.05	0.32	0.32	-	<0.05	<0.05	<0.05	<0.05

Notes
 Only EPL Trigger Level Exceedances highlighted