

**Boonoo Boonoo Monitoring Point 3**

Analyte	Unit	PQL	13/12/2019	1/04/2020	26/06/2020	1/04/2021	21/09/2021	15/12/2021	7/03/2022	30/05/2022	20/09/2022	7/12/2022	31/03/2023	30/06/2023			Min Since 10/12/20123	Mean Since 10/12/2013	Max Since 10/12/2013	
			Sample No. 19/2129	Sample No. 20/0583	Sample No. 20/0991	Sample No. 21/0474-3	Sample No. 21/1276-3	Sample No. 21/1866-3		Sample No. 22/0688-4										
Water Level#	m	0.1	Dry	Dry	Dry		3.5m	1.4m	Dry	1.0m	Dry	Dry	Dry	Dry						
Temperature - field	Deg. C	0.1	0	0	0	18.8	12.4	17.6	0	13.8	0	0	0	0			0	4.82	18.8	
Dissolved Oxygen	mg/L	0.2	0	0	0	8.5	8.7	7.7	0	nt	0	0	0	0			0	2.08	8.7	
Alkalinity (as CaCO3)	mg/L	20	0	0	0	<20	670	<20	0	<14	0	0	0	0			0	67.00	670	
Aluminium (Dissolved)	mg/L	0.005	0	0	0	0.88	0.006	0.035	0	0.02	0	0	0	0			0	0.07	0.88	
Ammonia-N	mg/L	0.01	0	0	0	<0.01	0.01	0.02	0	0.3	0	0	0	0			0	0.03	0.3	
Arsenic (Dissolved)	mg/L	0.005	0	0	0	<0.005	<0.005	<0.005	0	<0.0005	0	0	0	0			0	0.00	0	
Cadmium (Dissolved)	mg/L	0.005	0	0	0	<0.005	<0.005	<0.005	0	<0.0005	0	0	0	0			0	0.00	0	
Calcium	mg/L	0.1	0	0	0	1.2	1.5	0.8	0	3.4	0	0	0	0			0	0.53	3.4	
Chloride	mg/L	2	0	0	0	11	8	7	0	54	0	0	0	0			0	6.15	54	
Chromium (Total)	mg/L	0.005	0	0	0	<0.005	<0.005	<0.005	0	<0.0005	0	0	0	0			0	0.00	0	
Cobalt (Dissolved)	mg/L	0.005	0	0	0	<0.005	<0.005	<0.005	0	0.00009	0	0	0	0			0	0.00	0.00009	
Electrical Conductivity	µS/cm	1	0	0	0	68.1	58.4	54.3	0	230	0	0	0	0			0	31.60	230	
Copper (Dissolved)	mg/L	0.005	0	0	0	<0.005	<0.005	<0.005	0	<0.0005	0	0	0	0			0	0.00	0	
Iron (Total)	mg/L	0.005	0	0	0	0.63	0.73	0.58	0	0.027	0	0	0	0			0	0.15	0.73	
Lead (Dissolved)	mg/L	0.005	0	0	0	<0.005	<0.005	<0.005	0	0.0004	0	0	0	0			0	0.00	0.0004	
Magnesium	mg/L	0.1	0	0	0	0.9	0.7	0.5	0	2.6	0	0	0	0			0	0.36	2.6	
Manganese (Total)	mg/L	0.005	0	0	0	0.025	0.009	0.014	0	0.041	0	0	0	0			0	0.01	0.041	
Mercury (dissolved)*	ug/L	0.05	0	0	0	<0.05	<0.05	<0.05	0	<0.05	0	0	0	0			0	0.00	0	

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Nickel (Dissolved)	mg/L	0.005	0	0	0	<0.005	<0.005	<0.005	0	0.001	0	0	0	0			0	0.00	0.001
Nitrogen - Nitrate-N	mg/L	0.05	0	0	0	0.37	0.11	0.1	0	1.3	0	0	0	0			0	0.14	1.3
Nitrogen - Nitrite-N	mg/L	0.01	0	0	0	<0.01	<0.01	<0.01	0	<0.01	0	0	0	0			0	0.00	0
Nitrogen - Total Kjeldahl	mg/L	0.1	0	0	0	0.6	0.1	0.2	0		0	0	0	0			0	0.08	0.6
pH	pH	0.1	0	0	0	5.6	5.7	5.8	0	5.2	0	0	0	0			0	5.65	5.8
Potassium	mg/L	0.1	0	0	0	2.3	1.5	1.5	0	3.2	0	0	0	0			0	0.65	3.2
Redox Potential#	mV	-500	0	0	0	367	389	245	0	148	0	0	0	0			0	88.38	389
Sodium	mg/L	0.15	0	0	0	9.6	8.6	7.8	0	29	0	0	0	0			0	4.23	29
Sulphate#	mg/L	2	0	0	0	6.1	2.1	<1.0	0	3	0	0	0	0			0	0.93	6.1
Total Organic Carbon*	mg/L	1	0	0	0	7	<1	2	0	1	0	0	0	0			0	0.83	7
Zinc (Total)	mg/L	0.005	0	0	0	0.11	0.03	0.064	0	0.038	0	0	0	0			0	0.02	0.11
PAHs in water*	µg/L	1	0	0	0	ND	ND	ND	0	ND	0	0	0	0			0	0.00	0
TRH C10-C14*	µg/L	50	0	0	0	ND	<50	ND	0	630	0	0	0	0			0	63.00	630
TRH C15-C28*	µg/L	100	0	0	0	NA	NA		0		0	0	0	0			0	0.00	0
TRH C29-C36*	µg/L	100	0	0	0	NA	NA		0		0	0	0	0			0	0.00	0
TRH C10-C36*	µg/L	100	0	0	0	NA	NA		0		0	0	0	0			0	0.00	0
Suspended Solids	mg/L	1						NA		4									
Alkalinity - Hydroxide	mg/L	0	0	0	0	NA	NA		0	n/a	0	0	0	0			0	0.00	0
Chromium (VI)	mg/L	0.05	0	0	0	NA	NA		0		0	0	0	0			<0.05	<0.05	<0.05
OC/OP in Water*	ug/L	0.2	0	0	0	NA	NA	NA	0	ND	0	0	0	0			<0.2	<0.2	<0.2
Date Obtained			13/12/2019	1/04/2020	26/06/2020	1/04/2021	7/09/2021	13/12/2021		30/05/2022	20/09/2023	7/12/2023	22/03/2023	6/06/2023					
Date Published			8/01/2020	14/04/2020	10/07/2020	15/04/2021	21/09/2021	4/01/2022		21/06/2022	4/10/2022	21/12/2023	31/03/2023	30/06/2023					