

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	4/09/2023	11/12/2023	4/03/2024	24/06/2024	9/09/2024	3/03/2025	Min	Mean Since 10/12/2013	Max
			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					Sample No. 1/3	Sample No. 3/3	Sample No. 1/3						
Water Level#	m	0.1	Dry	Dry	Dry		3.5m	1.4m	Dry	1.0m	Dry	Dry	Dry	Dry	2.4	2.65	2.4	2.4	2	2	2	2.37	2.65
Temperature - field	Deg. C	0.1	0	0	0	18.8	12.4	17.6	0	13.8	0	0	0	0	10.4	12.8		10.4			10.4	11.20	12.80
Dissolved Oxygen	mg/L	0.2	0	0	0	8.5	8.7	7.7	0	nt	0	0	0	0	7.6	9.93	7.1	8.1	6.85	7.97	6.85	7.92	9.93
Alkalinity (as CaCO3)	mg/L	20	0	0	0	<20	670	<20	0	<14	0	0	0	0	<14	<14	<14	13	12	21	12	12.50	13.00
Aluminium (Dissolved)	mg/L	0.005	0	0	0	0.88	0.006	0.035	0	0.02	0	0	0	0		<0.05	<0.05	0.051	0.085	0.067	0.051	0.07	0.09
Ammonia-N	mg/L	0.01	0	0	0	<0.01	0.01	0.02	0	0.3	0	0	0	0	0.02	0.15	0.81	0.015	0.037	4.42	0.015	0.21	0.81
Arsenic (Dissolved)	mg/L	0.005	0	0	0	<0.005	<0.005	<0.005	0	<0.0005	0	0	0	0		<0.02	<0.02	<0.01	0.001	<0.001	0.001	0.00	0.00
Cadmium (Dissolved)	mg/L	0.005	0	0	0	<0.005	<0.005	<0.005	0	<0.0005	0	0	0	0		<0.002	<0.002	<0.01	<0.002		0	#DIV/0!	0.00
Calcium	mg/L	0.1	0	0	0	1.2	1.5	0.8	0	3.4	0	0	0	0	1.4	1.1	0.96	0.915	1.02	0.99	0.915	1.08	1.40
Chloride	mg/L	2	0	0	0	11	8	7	0	54	0	0	0	0	18	12	13	4.77	11	11.8	4.77	11.75	18.00
Chromium (Total)	mg/L	0.005	0	0	0	<0.005	<0.005	<0.005	0	<0.0005	0	0	0	0		<0.01	<0.01	<0.01	<0.002	<0.05	0	#DIV/0!	0.00
Cobalt (Dissolved)	mg/L	0.005	0	0	0	<0.005	<0.005	<0.005	0	0.00009	0	0	0	0		<0.05	<0.05	<0.05	<0.06		0	#DIV/0!	0.00
Electrical Conductivity	µS/cm	1	0	0	0	68.1	58.4	54.3	0	230	0	0	0	0	91	80	78	69	59	0.086	59	75.40	91.00
Copper (Dissolved)	mg/L	0.005	0	0	0	<0.005	<0.005	<0.005	0	<0.0005	0	0	0	0		<0.004	<0.004	0.07	0.003	0.005	0.003	0.04	0.07
Iron (Total)	mg/L	0.005	0	0	0	0.63	0.73	0.58	0	0.027	0	0	0	0		0.14	0.14	<0.05	0.009	<0.25	0.009	0.10	0.14
Lead (Dissolved)	mg/L	0.005	0	0	0	<0.005	<0.005	<0.005	0	0.0004	0	0	0	0		<0.01	<0.01	<0.01	<0.01	<0.001	0	#DIV/0!	0.00
Magnesium	mg/L	0.1	0	0	0	0.9	0.7	0.5	0	2.6	0	0	0	0	0.98	0.8	0.7	0.669	0.8	0.696	0.669	0.79	0.98
Manganese (Total)	mg/L	0.005	0	0	0	0.025	0.009	0.014	0	0.041	0	0	0	0		0.032	0.031	0.019	0.001	<0.05	0.001	0.02	0.03
Mercury (dissolved)*	ug/L	0.05	0	0	0	<0.05	<0.05	<0.05	0	<0.05	0	0	0	0	<0.05	<0.05	<0.05	<0.05	<0.06	<0.0005	0	#DIV/0!	0.00

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			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					Sample No. 1/3	Sample No. 3/3	Sample No. 1/3							
Nickel (Dissolved)	mg/L	0.005	0	0	0	<0.005	<0.005	<0.005	0	0.001	0	0	0	0		<0.007	<0.007	<0.01	<0.02	0.001	0	#DIV/0!	0.00	
Nitrogen - Nitrate-N	mg/L	0.05	0	0	0	0.37	0.11	0.1	0	1.3	0	0	0	0	1.2	1.1	1.2	0.616	0.637	0.145	0.616	0.95	1.20	
Nitrogen - Nitrite-N	mg/L	0.01	0	0	0	<0.01	<0.01	<0.01	0	<0.01	0	0	0	0	<0.01	0.031	0.33	<0.05	<0.006	1.54	0.031	0.18	0.33	
Nitrogen - Total Kjeldahl	mg/L	0.1	0	0	0	0.6	0.1	0.2	0		0	0	0	0		0.3		0.878	0.781	3.78	0.3	0.65	0.88	
pH	pH	0.1	0	0	0	5.6	5.7	5.8	0	5.2	0	0	0	0	5.7	5.6	5.9	5.71	5.7	5.96		5.6	5.72	5.90
Potassium	mg/L	0.1	0	0	0	2.3	1.5	1.5	0	3.2	0	0	0	0	2	2	2.1	1.74	1.72	2.87	1.72	1.91	2.10	
Redox Potential#	mV	-500	0	0	0	367	389	245	0	148	0	0	0	0	235	202	240	171	233	208	171	216.20	240.00	
Sodium	mg/L	0.15	0	0	0	9.6	8.6	7.8	0	29	0	0	0	0	13	10	9.1	10.4	11.23	10	9.1	10.75	13.00	
Sulphate#	mg/L	2	0	0	0	6.1	2.1	<1.0	0	3	0	0	0	0	1.9	1.5	2.1	4.75	2	10.8	1.5	2.45	4.75	
Total Organic Carbon*	mg/L	1	0	0	0	7	<1	2	0	1	0	0	0	0	0.53	0.9	3	<1	0.79	1.59	0.53	1.31	3.00	
Zinc (Total)	mg/L	0.005	0	0	0	0.11	0.03	0.064	0	0.038	0	0	0	0		0.037	0.058	0.025	0.044	0.054	0.025	0.04	0.06	
PAHs in water*	µg/L	1	0	0	0	ND	ND	ND	0	ND	0	0	0	0		<0.2	<0.2	<1	<2	<1	0	#DIV/0!	0.00	
TRH C10-C14*	µg/L	50	0	0	0	ND	<50	ND	0	630	0	0	0	0	<1						0	#DIV/0!	0.00	
TRH C15-C28*	µg/L	100	0	0	0	NA	NA		0		0	0	0	0	<1						0	#DIV/0!	0.00	
TRH C29-C36*	µg/L	100	0	0	0	NA	NA		0		0	0	0	0	<1						0	#DIV/0!	0.00	
TRH C10-C36*	µg/L	100	0	0	0	NA	NA		0		0	0	0	0	<1						0	#DIV/0!	0.00	
Suspended Solids	mg/L	1						NA		4					3	14	11		7	9		3	8.80	14.00
																					0	#DIV/0!	0.00	
Alkalinity - Hydroxide	mg/L	0	0	0	0	NA	NA		0	n/a	0	0	0	0	0			13	12	21	0	8.33	13.00	
Chromium (VI)	mg/L	0.05	0	0	0	NA	NA		0		0	0	0	0	0			<0.02	<0.02	< 0.001	0	0.00	0.00	
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	<0.2	<0.3		0	#DIV/0!	0.00	
	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	4/09/2023	11/12/2023	4/03/2024	24/06/2024			10/03/2025			
	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	26/09/2023	22/12/2023	8/04/2024				24/03/2025			