

Boonoo Boonoo Discharge & Monitoring Point 2A

Analyte	Unit	PQL		7/03/2022 Sample No. 601 602	30/05/2022 Sample No. 221136-3	20/09/2022 Sample No. 221136-5	7/12/2022 Sample No. 609	31/03/2023 Sample No. 70A	30/06/2023 Sample No. 20A	4/09/2023 Sample No. 50A	11/12/2023 Sample No. 80A	4/03/2024 Sample No. 60A	24/06/2024	9/09/2024	3/03/2025	24/03/2025	29/05/2025	Min Since 10/03/2022	Mean Since 10/03/2022	Max Since 10/03/2022
Water Level#	m	0.1			3.7m	4.1m		5m	5.5m	5.8	6.5	6.66	16.5		6.3			5.8	8.352	16.5
Temperature - Field	Temp. C	0.1			14.5	8.7		17.4	15.8	14.6	12.8	15.8	14.8		15.3			12.8	14.5	15.8
Dissolved Oxygen	mg/L	0.2		9.2	NT	5	6.2	5.8	7.8	6.6	9.8	7.5	7.68	7.6	10.98	10.98	6.57	6.6	7.836	9.8
Alkalinity (as CaCO3)	mg/L	20		104	14	39	24	<14	16	34	36	17	29		25	16	17	26.6	36	
Aluminium (Dissolved)	mg/L	0.005		<0.01	0.038	0.021	0.009	0.0012	0.43		<0.05	<0.05	0.081	0.067	0.17	0.17	0.151	0.067	0.074	0.081
Ammonia-N	mg/L	0.01		0.03	<0.02	0.024	0.03	<0.02	<0.02	<0.02	<0.02	0.017	0.059			0.044	0.063	0.017	0.038	0.059
Arsenic (Dissolved)	mg/L	0.005		<0.001	<0.0005	0.000082	0.000098	0.000084	0.0004		<0.02	<0.02	<0.01	<0.001	<0.001	<0.001	<0.001	0	<DIVIDE	0
Cadmium (Dissolved)	mg/L	0.005		<0.0001	<0.0005	5	0.000098	<0.0005	0.00093		<0.002	<0.002	<0.01	<0.001				0	<DIVIDE	0
Calcium	mg/L	0.1		41	4.8	5	4.8	2.3	3.8	3.9	2.6	2.9	2.33	4.41		4.26	6.25	2.33	3.228	4.41
Chloride	mg/L	2		1	2.3	3.5	2.6	5.5	3.8	12	8.8	13	3.45	17			14.2	3.45	10.85	17
Chromium (Total)	mg/L	0.005		0.002	<0.0005	<0.0005	<0.0005	<0.0005	0.00098		<0.01	<0.01	<0.02	<0.01		<0.05	<0.05	0	<DIVIDE	0
Cobalt (Dissolved)	mg/L	0.005		<0.001	0.0002	0.003	0.0045	0.0025	0.0022		<0.05	<0.05	<0.05	<0.05				0	<DIVIDE	0
Electrical Conductivity	µS/cm	1		215	70	100	77	79	78	140	120	130	564	136	0.116	0.116	0.104	120	218	564
Copper (Dissolved)	mg/L	0.005		0.001	0.0009	<0.0005	0.0012	0.0019	0.0013		<0.004	<0.004	0.06	0.001		0.003	0.005	0.001	0.0005	0.06
Iron (Total)	mg/L	0.005		1.74	0.4	1	3.6	0.0015	1.3		0.055	0.15	0.058	0.019		<0.25	<0.25	0.019	0.07075	0.15
Lead (Dissolved)	mg/L	0.005		<0.001	0.0002	<0.0005	0.000091	<0.0005	0.00019		<0.01	<0.01	<0.01	<0.001		<0.001	<0.001	0	<DIVIDE	0
Magnesium	mg/L	0.1		3	2.3	0.88	2.8	0.024	2.3	1.9	1.6	1.6	1.2	2.51		2.28	3.27	1.2	1.762	2.51
Manganese (Total)	mg/L	0.005		0.162	0.21	0.64	0.061	0.024	0.19		0.94	0.13	0.122	0.93		0.169	0.192	0.122	0.5305	0.94
Mercury*	µg/L	0.05		<0.0001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		<0.0005	<0.0005	0	<DIVIDE	0
Nickel (Dissolved)	mg/L	0.005		0.001	0.002	0.0006	0.0018	0.001	0.0025		<0.007	<0.007	0.002	<0.001	<0.001	<0.001	0.001	0.002	0.002	0.002
Nitrogen - Nitrate-N	mg/L	0.05		<0.01	0.38	1.5	0.21	0.6	1.2	3.3	1.9	5.8	1.79	5.99		<0.005	4.8	1.79	3.756	5.99
Nitrogen - Nitrite-N	mg/L	0.01		0.13	<0.01	<0.01	<0.01	<0.01	<0.01	0.0031	0.011	<0.01	<0.05	0.02		0.038	<0.005	0.0031	0.011366667	0.02
Nitrogen - Total Kjeldahl	mg/L	0.1		0.6							2.6	1.5	1.79	1.89		0.087	0.538	1.5	1.945	2.6
pH	pH	0.1		6.97	5.5	6.2	5.9	5.5	5.7	5.7	5.7	5.8	5.64	5.69	5.59	5.59	5.13	5.64	5.706	5.8
Potassium	mg/L	0.1		2	1.6	1.2	2	1.6	2	2.1	1.8	1.9	1.92	2.23		2.17	2.36	1.8	1.99	2.23
Redox Potential#	mV	-500		378	146	NT	281	254	271	227	191	114	173	217	232	252	280	114	184.4	227
Sodium	mg/L	0.15		5	2.6	13	4.1	7.8	7.7	19	16	15	9.16	22.5		18.1	10.7	9.16	16.332	22.5
Sulphate#	mg/L	2		10	8	2	6.7	4.9	9.1	3.7	3.1	1.7	10.8	11.6		10.7	20.8	1.7	6.38	11.6
Total Organic Carbon*	mg/L	1		5	2	0.49	1.9	1	5.3	1.5	1.7	2	1.73	1.3		2.69	3.18	1.3	1.646	2
Zinc (Total)	mg/L	0.005		0.051	0.034	0.034	0.0028	0.0083	0.0025		0.94	0.027	0.08	<0.001		0.063	<0.05	0.027	0.349	0.94
PAHs in water*	µg/L	1		ND	ND	ND	ND	ND	ND	<0.1	<0.1	<0.1	<1	<0.1		<1	<1	0	<DIVIDE	0
TRH C19-C19*	µg/L	50		<50	<50	<50	<50	<50	<50									0	<DIVIDE	0
TRH C15-C29*	µg/L	100		<100														0	<DIVIDE	0
TRH C29-C39*	µg/L	100		<50														0	<DIVIDE	0
TRH C19-C39*	µg/L	100		<50														0	<DIVIDE	0
Suspended Solids	mg/L			68	5	51	32	<1	8	12	17	11	15	4	19	19	3	4	11.8	17
Alkalinity - Hydroxide	mg/L	0		<1												25	16	0	<DIVIDE	0
Chromium (VI)	mg/L	0.05														<0.001	<0.05	0	<DIVIDE	0
Mercury (Dissolved)*	µg/L	0.05														<0.0005	<0.0005	0	<DIVIDE	0
OCOP in Water*	µg/L	0.2		ND	ND	ND	ND	ND	ND	<0.2	<0.2	<0.2	<0.2	<0.2		<1	<1	0	<DIVIDE	0
Date Obtained				7/03/2022	30/05/2022	20/09/2022	7/12/2022	22/03/2023	6/06/2023	4/09/2023	11/12/2023	4/03/2024	24/06/2024		10/03/2025					
Date Published				18/03/2022	21/06/2022	4/1/0/2022	21/12/2023	31/03/2023	30/06/2023	26/09/2023	22/12/2023	8/04/2024			24/03/2025					