

Boonoo Boonoo Discharge & Monitoring Point 2A

Analyte	Unit	PQL	7/03/2022 Sample No. 83220883-001	30/05/2022 Sample No. 22/1186-3	20/09/2022 Sample No. 22/1186-5	7/12/2022 Sample No. 629	31/03/2023 Sample No. 72A	30/06/2023 Sample No. 25A	4/09/2023 Sample No. 82A	11/12/2023 Sample No. 82A	4/03/2024 Sample No. 82A	24/06/2024	9/09/2024	2/12/2024	3/03/2025	29/05/2025	8/09/2025	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		6.6	6.3	5.1	4.7	5.8	8.412	16.5
Temperature - field	Deg. C	0.1		14.5	8.7		17.4	15.8	14.6	12.8	15.8	14.8		11	15.2	15.9	10.8	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	6.28	10.98	6.57	8.03	6.6	7.836	9.8
Alkalinity (as CaCO3)	mg/L	20	104	14	39	24	<14	16	34	36	17	17	29	26	25	16	27	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	0.197	0.17	0.151	0.02	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	<0.02	0.017	0.059	0.014	0.044	0.063	0.011	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	<0.001	0	#DN/01	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	#DN/01	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	3.36	4.26	6.25	3.7	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	<10		14.2	17	3.45	10.86	17
Chromium (Total)	mg/L	0.005	0.002	<0.0005	<0.0005	<0.0005	<0.0005	0.00098		<0.01	<0.01	<0.01	<0.01	<0.001	<0.05	<0.05	<0.05	0	#DN/01	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	#DN/01	0
Electrical Conductivity	µS/cm	1	215	70	100	77	79	79	140	120	130	564	136	0.116	0.116	0.104	0.148	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	0.008	0.003	0.005	0.004	0.001	0.0305	0.06
Iron (Total)	mg/L	0.005	1.74	0.4	1	3.6	0.0015	1.3		0.055	0.15	0.059	0.019	0.08	<0.25	<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	<0.001	<0.001	0	#DN/01	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	2.02	2.28	3.27	1.98	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	0.323	0.169	0.192	<0.05	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	<0.0005	<0.0005	<0.0005	<0.0005	0.001	0	#DN/01	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	<0.001	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	4.7	<0.005	4.8	6.63	<0.005	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	0.006	0.038	<0.005	<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	0.523	0.087	0.538	<0.01	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	5.58	5.59	5.13	5.49	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	3.02	2.37	2.36	2.04	1.8	1.99	2.23
Redox Potential#	mV	-500	378	146	NT	281	254	271	227	191	114	173	217	243	252	280	228	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	20.6	18.1	10.7	21.1	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	10.5	10.7	20.8	<9	1.7	6.19	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	2.8	2.69	3.18	1.73	1.3	1.646	2
Zinc (Total)	mg/L	0.005	0.051	0.034	0.014	0.0028	0.0083	0.0025		0.94	0.027	0.08	<0.001	0.061	0.063	<0.05	<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	<1	<1	0	#DN/01	0
TRH C19-C14*	µg/L	50	<50	<50	<50	<50	<50	<50										0	#DN/01	0
TRH C15-C28*	µg/L	100	<100															0	#DN/01	0
TRH C29-C36*	µg/L	100	<50															0	#DN/01	0
TRH C10-C36*	µg/L	100	<50															0	#DN/01	0
Suspended Solids	mg/L		68	5	51	32	<1	8	12	17	11	15	4	18	19	3	6	4	11.8	17
Alkalinity - Hydroxide	mg/L	0	<1												25	16		0	#DN/01	0
Chromium (VI)	mg/L	0.05													<0.001	<0.05	<0.001	0	#DN/01	0
Mercury (Dissolved)*	µg/L	0.05													<0.0005	<0.0005	0.001	0	#DN/01	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	<1	<1	0	#DN/01	0
Date Obtained			7/03/2022	30/05/2022	20/09/2022	7/12/2022	22/03/2023	8/06/2023	4/09/2023	11/12/2023	4/03/2024	24/06/2024			10/03/2025		12/09/2025			
Date Published			18/03/2022	21/06/2022	4/10/2022	21/12/2022	31/03/2023	30/06/2023	28/09/2023	22/12/2023	8/04/2024				24/03/2025		25/09/2025			