

Boonoo Boonoo Discharge & Monitoring Point 1A

Analyte	Unit	PQL	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	2/12/2024	24/03/2025	3/04/2025	29/05/2025	8/09/2025	Min Since 10/03/2022	Mean Since 10/03/2022
			Sample No.22/0688-1	Sample No. 22/1166-3	Sample No. 8/19	Sample No. 2/1A	Sample No. 6/1A	Sample No. 4/1A	Sample No. 2/1A	Sample No. 4/1A									
Water Level#	m	0.1	6.8m	7.0m		7	7.7	7.9	8.5	8.9		9.3	8.75	9.5	9.5	8.8	7.9	7.9	8.65
Temperature - field	Deg. C	0.1	11	NT		14	13.7	15.6	14.7	11.8		15.3	11.8	13.3	13.3	13.6	13.3	11.8	14.35
Dissolved Oxygen	mg/L	0.2	NT	1.9	2.2	2.3	7	7	9.1	6.8	5.45	5.84		3.13	3.13	6.76	8.83	5.45	6.839
Alkalinity (as CaCO3)	mg/L	20	310	260	240	170	36	83	98	56	124	78		51		36	28	56	87.8
Aluminium (Dissolved)	mg/L	0.005	0	0.27	0.002	0.009	0.34		<0.05	<0.05	0.063	0.211		0.629	0.629	0.498	0.224	0.063	0.137
Ammonia-N	mg/L	0.01	32	25	17	10	3.3	3.2	4	2.6	2.16	1.44		1.09		0.437	0.018	1.44	2.684
Arsenic (Dissolved)	mg/L	0.005	0.0043	0.0083	0.0029	0.0014	0.0012		<0.02	<0.02	0.05	0.009		0.001	0.001	0.002	0.002	0.009	0.0295
Cadmium (Dissolved)	mg/L	0.005	<0.0005	28	0.00069	<0.00005	0.00059		<0.002	<0.002	<0.01	<0.002						0	#DIV/0!
Calcium	mg/L	0.1	34	28	29	24	5.3	15	15	30	32.2	22.7		13.8	13.8	10.4	8.02	15	22.98
Chloride	mg/L	2	61	16	8	4.3	1.9	3.8	2.7	60	40	32		12.8		15.8	10.2	2.7	27.7
Chromium (Total)	mg/L	0.005	0.01	<0.0005	0.0013	<0.0005	0.00086		<0.01	<0.01	<0.01	0.02		<0.05		<0.05	<0.05	0.02	0.02
Cobalt (Dissolved)	mg/L	0.005	0.0002	0.003	0.0016	0.0021	0.00073		<0.05	<0.05	<0.05	<0.05						0	#DIV/0!
Electrical Conductivity	µS/cm	1	850	600	470	370	100	180	200	440	428	286		0.0126	0.126	0.106	0.092	190	304.4
Copper (Dissolved)	mg/L	0.005	0.003	0.006	<0.005	<0.0005	0.0009		<0.004	<0.004	0.05	0.003		0.004		0.005	0.007	0.003	0.0285
Iron (Total)	mg/L	0.005	12	8.2	9.5	7	2.5		11	7.2	22.1	15.6		4.56		1.37	1.4	7.2	13.975
Lead (Dissolved)	mg/L	0.005	0.006	0.02	0.0012	0.00016	0.0013		<0.01	<0.01	0.001	0.004		0.003		0.002	0.003	0.001	0.0025
Magnesium	mg/L	0.1	6.5	5.2	5.5	4.9	0.82	2.9	3.1	5.2	5.14	3.83		2.12		1.43	1.02	2.9	4.034
Manganese (Total)	mg/L	0.005	1.1	2	3.1	4.9	0.049		4.3	3	3.17	1.39		0.873		0.171	<0.05	1.39	2.965
Mercury*	ug/L	0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		<0.0005		<0.0005	0.001	0	#DIV/0!
Nickel (Dissolved)	mg/L	0.005	0.008	0.006	0.0012	0.00084	0.0013		<0.007	0.038	0.009	0.005		0.002		0.001	<0.001	0.005	0.017333333
Nitrogen - Nitrate-N	mg/L	0.05	<0.02	<0.02	<0.01	<0.01	<0.01	0.03	<0.02	0.52	0.079	<0.05		<0.005		0.034	0.385	0.03	0.209666667
Nitrogen - Nitrite-N	mg/L	0.01	<0.01	0.01	<0.02	<0.02	<0.02	<0.01	<0.01	0.033	0.016	<0.05		0.013		0.03	<0.005	0.016	0.0245
Nitrogen - Total Kjeldahl	mg/L	0.1							4.1		3.12	2.07		2.83		1.28	0.484	2.07	2.88
pH	pH	0.1	6.8	7	6.5	6.3	6.5	6.5	6.3	6.5	6.22	6.7		6.44	6.44	5.99	6.76	6.22	6.444
Potassium	mg/L	0.1	44	33	24	17	7.9	12	11	14	12	9.8		8.58		4.73	3.11	9.8	11.76
Redox Potential#	mV	-500	-14	NT	229	237	235	215	180	51.3	157	222		209	209	270	207	51.3	165.06
Sodium	mg/L	0.15	52	33	18	9.8	3.7	7.3	5.5	27	40.8	33.1		5.82		9.94	6.25	5.5	22.74
Sulphate#	mg/L	2	1	9	4.9	4.7	10	7.8	4.1	67	25	30.2		11.5		9.18	<9	4.1	26.82
Total Organic Carbon*	mg/L	1	2	16	11	5.5	7.8	3.7	6.7	16	16.9	20.2		16.1		9.23	5.94	3.7	12.7
Zinc (Total)	mg/L	0.005	0.67	0.39	0.025	0.0094	0.038		0.015	0.1	<0.02	0.056		0.054		<0.05	0.07	0.015	0.057
PAHs in water*	µg/L	1	ND	ND	ND	ND	ND	<0.2	<0.2	<0.2	<0.2	<1		<1		<1	<1	0	#DIV/0!
TRH C10-C14*	µg/L	50	800	260	<50	<50	<50				<50	<50						0	#DIV/0!
TRH C16-C28*	µg/L	100																0	#DIV/0!
TRH C29-C36*	µg/L	100																0	#DIV/0!
TRH C10-C36*	µg/L	100																0	#DIV/0!
Suspended Solids	mg/L		580	76	15	30	6	13	68	26	44	13		30	30	12	11	13	32.8
																		0	#DIV/0!
Alkalinity - Hydroxide	mg/L	0												51		36		0	#DIV/0!
Chromium (VI)	mg/L	0.05												0.001		<0.05	<0.001	0	#DIV/0!
Mercury (Dissolved)*	µg/L	0.05			<0.00005	<0.00005	<0.00005				<0.005	<0.0005		<0.0005		<0.0005	0.001	0	#DIV/0!
OC/OP in Water*	ug/L	0.2	ND	ND				<0.2	<0.2	<0.2	<0.2	<0.02		<1		<1	<1	0	#DIV/0!
Date Obtained			30/05/2022	20/09/2022	7/12/2022	20/03/2023	6/06/2023	4/09/2023	11/12/2023	4/03/2024	24/06/2024						12/09/2025		
Date Published			21/06/2022	4/10/2022	21/12/2022	31/03/2023	30/06/2023	26/09/2023	22/12/2023	8/04/2024							25/09/2025		

Max Since 10/03/2022
9.3
15.6
9.1
124
0.211
4
0.05
0
32.2
60
0.02
0
440
0.05
22.1
0.004
5.2
4.3
0
0.038
0.52
0.033
4.1
6.7
14
222
40.8
67
20.2
0.1
0
0
0
0
0
68
0
0
0
0
0

2024-2025 Min

2024-2025 max