

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	24/03/2025	3/04/2025	29/05/2025	Min Since 10/03/2022	Mean Since 10/03/2022	Max Since 10/03/2022
			Sample No.22/0688-1	Sample No. 22/1156-3	Sample No. 5/19	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			9.5	9.5		7.9	8.433333333	8.9
Temperature - field	Deg. C	0.1	11	NT		14	13.7	15.6	14.7	11.8			13.3			11.8	14.03333333	15.6
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	5.45	6.838	9.1
Alkalinity (as CaCO3)	mg/L	20	310	260	240	170	36	83	98	56	124	78	51		36	56	87.8	124
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	0.063	0.137	0.211
Ammonia-N	mg/L	0.01	32	25	17	10	3.3	3.2	4	2.6	2.18	1.44	1.09		0.437	1.44	2.684	4
Arsenic (Dissolved)	mg/L	0.005	0.0043	0.0083	0.0029	0.0034			<0.02	<0.02	0.05	0.009	0.001	0.001	0.002	0.009	0.0295	0.05
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!	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	15	22.98	32.2
Chloride	mg/L	2	61	16	8	4.3	1.9	3.8	2.7	60	40	32	12.8		15.8	2.7	27.7	60
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	0.02	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!	0
Electrical Conductivity	µS/cm	1	850	600	470	370	100	180	200	440	426	266	0.0126	0.126	0.106	190	304.4	440
Copper (Dissolved)	mg/L	0.005	0.003	0.006	<0.005	<0.0005	0.0099		<0.004	<0.004	0.05	0.003	0.004		0.005	0.003	0.0205	0.05
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	7.2	13.975	22.1
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	0.001	0.0025	0.004
Magnesium	mg/L	0.1	6.5	5.2	5.5	4.9	0.82	2.9	3.1	5.2	3.83	2.12			1.43	2.9	4.034	5.2
Manganese (Total)	mg/L	0.005	1.1	2	3.1	4.9	0.049		4.3	3	3.17	1.39	0.673		0.171	1.39	2.965	4.3
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	<DIV/0!	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	0.005	0.017333333	0.038
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	0.03	0.209666667	0.52
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	0.016	0.0245	0.033
Nitrogen - Total Kjeldahl	mg/L	0.1							4.1		3.12	2.07	2.63		1.28	2.07	2.98	4.1
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	6.22	6.444	6.7
Potassium	mg/L	0.1	44	33	24	17	7.9	12	11	14	12	9.8	8.58		4.73	9.8	11.76	14
Redox Potential†	mV	500	-14	NT	229	237	235	215	180	51.3	157	222	209	209	270	51.3	165.06	222
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	5.5	22.74	40.8
Sulphate†	mg/L	2	1	9	4.9	4.7	10	7.8	4.1	67	25	30.2	11.5		9.18	4.1	26.82	67
Total Organic Carbon*	mg/L	1	2	16	11	5.5	7.8	3.7	6.7	16	16.9	20.2	18.1		9.23	3.7	12.7	20.2
Zinc (Total)	mg/L	0.005	0.87	0.39	0.025	0.0094	0.038		0.015	0.1	<0.02	0.056	0.054		<0.05	0.015	0.057	0.1
PAHs in water*	µg/L	1	ND	ND	ND	ND	ND	<0.2	<0.2	<0.2	<1	<1			<1	0	<DIV/0!	0
TRH C10-C14*	µg/L	50	800	260	<50	<50	<50				<50	<50				0	<DIV/0!	0
TRH C15-C28*	µg/L	100														0	<DIV/0!	0
TRH C29-C36*	µg/L	100														0	<DIV/0!	0
TRH C10-C36*	µg/L	100														0	<DIV/0!	0
Suspended Solids	mg/L		580	76	15	30	6	13	68	26	44	13	30	30	12	13	32.8	68
																0	<DIV/0!	0
Alkalinity - Hydroxide	mg/L	0											51		36	0	<DIV/0!	0
Chromium (VI)	mg/L	0.05											0.001		<0.05	0	<DIV/0!	0
Mercury (Dissolved)*	µg/L	0.05			<0.00005	<0.00005	<0.00005				<0.005	<0.0005	<0.0005		<0.0005	0	<DIV/0!	0
OC/OP in Water*	ug/L	0.2	ND	ND	ND	ND	ND	<0.2	<0.2	<0.2	<0.2	<0.02	<1		<1	0	<DIV/0!	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							
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								