

Boonoo Boonoo Monitoring Point 4

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	2/12/2024	3/03/2025	29/05/2025	8/09/2025
			Sample No. 19/2129	Sample No. 20/0583	Sample No. 20/0991	Sample No. 21/0474-4	Sample No. 21/1276-4	Sample No. 21/1866-4	Sample No. ES2208639-002	Sample No. 22/0688-5	Sample No. 22/1156-1	Sample No. 3/4	Sample No. 3/4	Sample No. 3/4	Sample No. 2	Sample No. 5	Sample No. 2							
Water Level#	m	0.1			1.3	NA					NA	NT				N/A	N/A	N/A	8.1		N/A	N/A	N/A	N/A
Temperature - field	Deg. C	0.1		22.8	19.6		20.9	11.7	20.5		10.5	17.2		25.1	NT	13.3	19	21.8	13.6		23.8	15.4	12	12.6
Dissolved Oxygen	mg/L	0.2		2.2	7.7	2.7	7.2	8.6	4.8	6.2	NT	3	2.7	7.8	3.4	8.2	7.8	1.6	0.26	0.21	1.05	5.23	1	4.75
Alkalinity (as CaCO3)	mg/L	20		930	<20	925	641	<20	553	511	660	620	680	520	570	520	17	820	1.008	852	491	510	535	504
Aluminium (Dissolved)	mg/L	0.005		0.18	0.005	0.23	0.1	0.12	0.16	0.13	0	0.1	0.034	0.003	0.094		0.26	0.15	0.233	0.167	0.374	1.15	0.119	0.444
Ammonia-N	mg/L	0.01		14	0.07	38	32	27	34	30.4	60	40	28	2.2	18	5.8	49	32	81	48.5	0.527	8.43	23.7	21.9
Arsenic (Dissolved)	mg/L	0.005		<0.005	<0.005	0.015	0.006	0.012	0.008	0.007	0.0085	0.0081	0.0054	0.0054	0.0045		<0.02	<0.02	0.01	0.009	0.008	0.008	0.006	0.013
Cadmium (Dissolved)	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0001	<0.005	53	0.000099	<0.005	0.00061		<0.002	<0.002	<0.01	<0.001				
Calcium	mg/L	0.1		32.4	1.1	38.2	30.8	37.7	42.2	39	45	53	59	36	42	24	47	42	56.8	54.5	36.1	28.1	45.6	46.3
Chloride	mg/L	2		688	9	568	409	472	307	288	250	270	290	320	290	400	470	440	378	867	301	369	256	213
Chromium (Total)	mg/L	0.005		0.036	<0.005	0.105	0.054	0.08	0.055	0.056	0.044	0.017	0.0039	0.0021	0.024		0.088	0.067	0.096	0.053	0.045	<0.05	<0.05	<0.05
Cobalt (Dissolved)	mg/L	0.005		<0.005	<0.005	0.006	<0.005	<0.005	<0.005	0.004	0.0003	0.004	0.0034	0.0027	0.003		<0.05	<0.05	<0.05	<0.05				
Electrical Conductivity	µS/cm	1		4210	60	3420	2590	2.79	2110	1870	2100	2000	2000	2000	1900	2000	3000	2600	7.89	2520	1.81	1.83	1.7	1.59
Copper (Dissolved)	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.0005	0.001	0.00069	0.0086	<0.0005		<0.004	<0.004	0.001	0.002	0.008	0.004	<0.001	0.002
Iron (Total)	mg/L	0.005		0.32	2.2	0.5	1.7	0.67	1	0.73	1.1	1.3	1.7	0.031	0.038		1.1	0.97	0.697	0.841	1.01	0.969	0.858	1.14
Lead (Dissolved)	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.002	0.0001	0.002	0.0018	0.00072	0.0011		<0.01	<0.01	0.003	0.003	0.004	0.004	0.002	0.002
Magnesium	mg/L	0.1		27.3	0.09	22.8	17.1	17.4	15.6	16	16	18	20	0.0019	20	22	27	23	24.7	23.5	18.6	18.8	17.9	15.8
Manganese (Total)	mg/L	0.005		0.043	0.036	0.12	0.088	0.12	0.27	0.245	0.33	0.29	0.037	0.0032	0.072		0.26	0.32	0.383	0.292	0.07	0.071	0.336	0.254
Mercury*	ug/L	0.05			<0.05	<0.05	<0.05	<0.05	<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	<0.0005	<0.0005
Nickel (Dissolved)	mg/L	0.005		0.029	<0.005	0.029	0.018	0.022	0.017	0.015	0.015	0.016	0.0012	0.0015	0.012		<0.007	0.018	0.026	0.026	0.024	0.026	0.019	0.015
Nitrogen - Nitrate-N	mg/L	0.05		<0.05	<0.05	<0.05	<0.05	0.6	<0.05	0.04	<0.02	0.066	<0.02	0.093	<0.02	0.072	0.04	<0.02	<0.05	<0.05	0.202	<0.005	<0.005	0.02
Nitrogen - Nitrite-N	mg/L	0.01		0.07	<0.01	0.01	0.02	0.76	<0.01	0.04	0.03	0.08	0.018	0.35	<0.01	0.82	0.053	0.024	0.083	0.06	<0.005	0.033	0.021	0.112
Nitrogen - Total Kjeldahl	mg/L	0.1		44	0.3	55.8	54.4	106	6.1	45.6						70		102	61.3	0.488	24.4	37.8	32.2	
pH	pH	0.1		8.5	5.7	8.1	8.2	8.3	8.2	8.07	7.9	8.2	8	8.6	8.2	9.1	8.1	7.5	7.89	8.56	6.06	8.55	7.65	8.17
Potassium	mg/L	0.1		371	2	349	238	228	160	143	130	140	150	140	190	190	250	200	225	214	180	167	141	127
Redox Potential#	mV	-500			298	164	281	192	178	175	54	NT	204	199	190	153	101	-250	221	247	264	247	293	254
Sodium	mg/L	0.15		598	8.8	574	393	386	262	235	210	230	290	260	260	300	390	310	363	356	301	294	236	201
Sulphate#	mg/L	2		111	4.6	19.3	37.1	3.6	31.6	17	11	5	13	16	12	16	22	49	34.7	47.5	54.7	59.5	39.1	24.6
Total Organic Carbon*	mg/L	1		180	1	190	130	100	100	108	1	71	130	78	110	140	200	350	168	143	124	119	97.9	77.7
Zinc (Total)	mg/L	0.005		0.013	0.12	0.02	0.018	0.018	0.037	0.018	0.013	0.01	0.0013	0.0069	0.0063		0.021	0.067	0.061	0.059	<0.05	0.084	0.05	0.076
PAHs in water*	µg/L	1			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.1	<0.1	<0.1	<0.1	<1	<1	<1	<1
TRH C10-C14*	µg/L	50			ND	160	430	820	ND	80	480	410	<50	<50	<50	<50			<50	<50				
TRH C15-C28*	µg/L	100			ND	390	N/A	N/A		270														
TRH C29-C36*	µg/L	100			ND	<100	N/A	N/A		<50														
TRH C10-C36*	µg/L	100			ND		N/A	N/A		350														
Suspended Solids	mg/L	1							N/A	35	4	11	210	34	42	78	57	360	65	61	36	19	37	
Alkalinity - Hydroxide	mg/L	0								<1													535	
Chromium (VI)	mg/L	0.05																					<0.05	0.026
Mercury (Dissolved)*	µg/L	0.05				<0.05																	<0.0005	<0.0005
OC/OP in Water*	ug/L	0.2		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	ND	ND	ND	ND	ND	ND	ND	<0.2	<0.2	<.2	<0.2	<1	<1	<1	<1
	Date Obtained			13/12/2019	1/04/2020	26/06/2020	1/04/2021	7/09/2021	13/12/2021	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		16/12/2024	10/03/2025	29/05/2025	12/09/2025
	Date Published			8/01/2020	14/04/2020	10/07/2020	15/04/2021	21/09/2021	4/01/2022	18/03/2022	21/06/2022	4/10/2022	21/12/2022	31/03/2023	30/06/2023	26/09/2023	22/12/2023	8/04/2024			17/01/2025	24/03/2025	16/06/2025	25/09/2025