

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	3/03/2025	Min Since	Mean Since	Max Since	Min Since 10/12/13	Mean Since 10/12/2013	Max Since 10/12/2013		
			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. 2	Sample No. 5	Sample No. 2												
Water Level - field	m	0.1		1.3	NA					NA	NT				N/A	N/A	N/A	8.1										
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				13.3	16.925	21.8	13.3	16.925	21.8	
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	5.23		0.21	3.614	8.2	0.21	3.614	8.2	
Alkalinity (as CaCO3)	mg/L	20	930	<20	925	641	<20	553	511	660	620	680	520	570	520	17	820	1.008	852	510		1.008	442.002	852	1.008	442.002	852	
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	1.15		0.15	0.203	0.26	0.15	0.203	0.26	
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			5.8	43.260	81	5.8	43.260	81	
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		0.009	0.010	0.01	0.009	0.010	0.01	
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			0	#DIV/0!	0	0	#DIV/0!	0	
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	28.1		24	44.860	56.8	24	44.860	56.8	
Chloride	mg/L	2	688	9	568	409	472	307	288	250	270	290	320	290	400	470	440	378	867	369		378	511.000	867	378	511.000	867	
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	<0.05		0.053	0.076	0.096	0.053	0.076	0.096	
Cobalt (Dissolved)	mg/L	0.005	<0.005	<0.005	0.006	<0.005	<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			0	#DIV/0!	0	0	#DIV/0!	0
Electrical Conductivity	µS/cm	1	4210	60	3420	2590	2.79	2110	1870	2100	2000	2000	2000	1900	2000	3000	2600	7.89	2520	1.83		7.89	2025.578	3000	7.89	2025.578	3000	
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			0.001	0.002	0.002	0.001	0.002	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	0.969		0.697	0.902	1.1	0.697	0.902	1.1	
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			0.003	0.003	0.003	0.003	0.003	0.003	
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	18.8		22	24.040	27	22	24.040	27	
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	0.071		0.26	0.314	0.383	0.26	0.314	0.383	
Mercury*	ug/L	0.05	<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	<0.0005			0	#DIV/0!	0	0	#DIV/0!	0	
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	0.026		0.018	0.023	0.026	0.018	0.023	0.026	
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	<0.005		0.04	0.056	0.072	0.04	0.056	0.072	
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	0.033		0.024	0.179	0.82	0.024	0.179	0.82	
Nitrogen - Total Kjeldahl	mg/L	0.1	44	0.3	55.8	54.4	106	6.1	45.6							70		102	61.3	24.4		24.4	64.425	102	24.4	64.425	102	
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	8.55		7.5	8.230	9.1	7.5	8.230	9.1	
Potassium	mg/L	0.1	371	2	349	238	228	160	143	130	140	150	140	190	190	250	200	225	214	167		190	215.800	250	190	215.800	250	
Redox Potential#	mV	-500		298	164	281	192	178	175	54	NT	204	199	190	153	101	-250	221	247	247		-250	94.400	247	-250	94.400	247	
Sodium	mg/L	0.15	598	8.8	574	393	386	262	235	210	230	290	260	280	300	390	310	363	356	294		300	343.800	390	300	343.800	390	
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	59.5		16	33.840	49	16	33.840	49	
Total Organic Carbon*	mg/L	1	180	1	190	130	100	100	108	1	71	130	78	110	140	200	350	168	143	119		140	200.200	350	140	200.200	350	
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	0.084		0.021	0.052	0.067	0.021	0.052	0.067	
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		0	#DIV/0!	0	0	#DIV/0!	0	
TRH C10-C14*	µg/L	50		ND	160	430	820	ND	80	480	410	<50	<50	<50	<50			<50	<50			0	#DIV/0!	0	0	#DIV/0!	0	
TRH C15-C28*	µg/L	100		ND	390	N/A	N/A		270													0	#DIV/0!	0	0	#DIV/0!	0	
TRH C29-C36*	µg/L	100		ND	<100	N/A	N/A		<50													0	#DIV/0!	0	0	#DIV/0!	0	
TRH C10-C36*	µg/L	100		ND		N/A	N/A		350													0	#DIV/0!	0	0	#DIV/0!	0	
Suspended Solids	mg/L	1						N/A	35	4	11	210	34	42	78	57	360	65	61	19		57	124.200	360	57	124.200	360	
Alkalinity - Hydroxide	mg/L	0							<1													0	#DIV/0!	0	0	#DIV/0!	0	
Chromium (VI)	mg/L	0.05																				0	#DIV/0!	0	0	#DIV/0!	0	
Mercury (Dissolved)*	µg/L	0.05			<0.05																	0	#DIV/0!	0	0	#DIV/0!	0	
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			0	#DIV/0!	0	0	#DIV/0!	0	
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		10/03/2025								
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			24/03/2025								