

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			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. 3/4					
Water Level#	m	0.1		1.3	NA					NA	NT						DRY		
Temperature - field	Deg. C	0.1	22.8	19.6		20.9	11.7	20.5		10.5	17.2		25.1	NT			10.5	17.929	25.1
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			2.7	5.410	8.6
Alkalinity (as CaCO3)	mg/L	20	930	<20	925	641	<20	553	511	660	620	680	520	570			511	631.111	925
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	0.089	0.23
Ammonia-N	mg/L	0.01	14	0.07	38	32	27	34	30.4	60	40	28	2.2	18			0.07	28.152	60
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			0.0045	0.008	0.015
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			0.000099	17.667	53
Calcium	mg/L	0.1	32.4	1.1	38.2	30.8	37.7	42.2	39	45	53	59	36	42			1.1	38.545	59
Chloride	mg/L	2	688	9	568	409	472	307	288	250	270	290	320	290			9	315.727	568
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			0.0021	0.044	0.105
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			0.0003	0.003	0.006
Electrical Conductivity	µS/cm	1	4210	60	3420	2590	2.79	2110	1870	2100	2000	2000	2000	1900			2.79	1822.981	3420
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			0.00069	0.003	0.0086
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			0.031	0.997	2.2
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			0.0001	0.001	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			0.0019	14.817	22.8
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			0.0032	0.146	0.33
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	#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			0.0012	0.015	0.029
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			0.04	0.200	0.6
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			0.01	0.164	0.76
Nitrogen - Total Kjeldahl	mg/L	0.1	44	0.3	55.8	54.4	106	6.1	45.6								0.3	44.700	106
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			5.7	7.952	8.6
Potassium	mg/L	0.1	371	2	349	238	228	160	143	130	140	150	140	190			2	170.000	349
Redox Potential#	mV	-500		298	164	281	192	178	175	54	NT	204	199	190			54	193.500	298
Sodium	mg/L	0.15	598	8.8	574	393	386	262	235	210	230	290	260	260			8.8	282.618	574
Sulphate#	mg/L	2	111	4.6	19.3	37.1	3.6	31.6	17	11	5	13	16	12			3.6	15.473	37.1
Total Organic Carbon*	mg/L	1	180	1	190	130	100	100	108	1	71	130	78	110			1	92.636	190
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			0.0013	0.024	0.12
PAHs in water*	µg/L	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			0	#DIV/0!	0
TRH C10-C14*	µg/L	50		ND	160	430	820	ND	80	480	410	<50	<50	<50			80	396.667	820
TRH C15-C28*	µg/L	100		ND	390	N/A	N/A		270								270	330.000	390
TRH C29-C36*	µg/L	100		ND	<100	N/A	N/A		<50								0	#DIV/0!	0
TRH C10-C36*	µg/L	100		ND		N/A	N/A		350								350	350.000	350
Suspended Solids	mg/L	1						N/A	35	4	11	210	34	42					
Alkalinity - Hydroxide	mg/L	0							<1								#REF!	#REF!	#REF!
Chromium (VI)	mg/L	0.05															<0.05	<0.05	<0.05
Mercury (Dissolved)*	ug/L	0.05			<0.05												<0.05	<0.05	<0.05
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			<0.2	<0.2	<0.2
	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					
	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					