

**Boonoo Boonoo Monitoring Point 3**

Analyte	Unit	POL	Date Sampled																								Min Since 10/12/2013	Mean Since 10/12/2013	Max Since 10/12/2013	
			10/12/2013 Sample No. 13/2166	3/3/2014 Sample No. 14/0376	25/07/14 Sample No. 14/1200	9/9/2014 Sample No. 14/1552	4/12/2014 Sample No. 14/2042	10/03/2015 Sample No. 15/0422	23/6/2015 Sample No. 15/0997-1	15/09/2015 Sample No. 15/1497	08/12/2015 Sample No. 15/1980	15/03/2016 Sample No. 16/0424	21/6/2016 Sample No. 16/0996	8/11/2016 Sample No. 16/1982	5/12/2016 Sample No. 16/1969	28/03/2017 Sample No. 17/0521	8/06/2017 Sample No. 17/0935	7/09/2017 Sample No. 17/1480	13/12/2017 Sample No. 17/2051	3/04/2018 Sample No. 18/0542	15/06/2018 Sample No. 18/0940	28/09/2018 Sample No. 18/1489	26/10/2018 Sample No. 18/1650	19/06/2019 Sample No. 19/1019	13/12/2019 Sample No. 19/2129	1/04/2020 Sample No. 20/0583				26/06/2020 Sample No. 20/0991
Water Level#	m	0.1	1.6	1.9	1.95	1.8	2.5	2	2.05	1.9	2.3	2.9	1.4	0.21	2.8	1.4	2	2.8	2.2	3	Dry	Dry	3	Dry	Dry	Dry	Dry	0.21	2.090	3
Temperature - field	Deg. C	0.1	17.9	17.4	11	11	17.4	17.9	11.8	10.5	16.5	18.2	12	12.9	16.3	20.7	11.4	9.1	177	20	0	0	16	0	0	0	0	0	22.250	177
Dissolved Oxygen	mg/L	0.2	5.7	6.1	7.38	7.15	5	6	8.7	5.6	6.4	5.5	8.7	6.3	7.1	6.8	6.4	9.94	7.1	8.3	0	0	6.2	0	0	0	0	0	6.519	9.94
Alkalinity (as CaCO3)	mg/L	20	<20	<20	<20	<20	<20	<20	<20	<20	25	<20	<20	<20	<20	<20	662	<20	<20	<20	0	0	28	0	0	0	0	0	178.750	662
Aluminium (Dissolved)	mg/L	0.005	0.01	0.008	0.021	0.264	0.014	0.15	0.077	0.033	0.31	0.15	7.64	1.16	0.37	0.93	0.22	0.11	3.52	0.56	0	0	6.21	0	0	0	0	0	1.088	7.64
Ammonia-N	mg/L	0.01	0.02	0.09	0.04	0.09	<0.01	0.04	0.02	0.01	0.02	0.01	0.02	0.01	<0.01	<0.01	53.1	<0.01	<0.01	0.1	0	0	0.02	0	0	0	0	0	3.573	53.1
Arsenic (Dissolved)	mg/L	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.008	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	<0.005	<0.005	<0.005	0	0	<0.005	0	0	0	0	0	0.004	0.008
Cadmium (Dissolved)	mg/L	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0	0	<0.005	0	0	0	0	0	0.000	0
Calcium	mg/L	0.1	0.7	0.6	0.9	2.2	0.9	1.4	1	3.6	3.7	4.4	1.7	3.4	3.5	2	38.2	1.7	2.5	1.7	0	0	1.4	0	0	0	0	0	3.775	38.2
Chloride	mg/L	2	8.51	7.74	8.32	14.31	8	13	11	33	32	30	7	27	34	8	321	20	14	20	0	0	1.1	0	0	0	0	0	30.899	321
Chromium (Total)	mg/L	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.018	<0.005	<0.005	0.01	<0.005	0.047	<0.005	<0.005	<0.005	<0.005	0	0	<0.005	0	0	0	0	0	0.019	0.047
Cobalt (Dissolved)	mg/L	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	<0.005	0.005	<0.005	0	0	<0.005	0	0	0	0	0	0.003	0.005
Electrical Conductivity	µS/cm	1	64.6	56.5	58.1	86	75	69.4	71	10	150	130	73	123	113	74.3	2350	91.6	83.6	96.9	0	0	51.6	0	0	0	0	0	191.380	2350
Copper (Dissolved)	mg/L	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0	0	0.013	0	0	0	0	0	0.013	0.025
Iron (Total)	mg/L	0.005	0.068	0.112	0.377	1.78	0.81	1.4	0.09	2.38	1.74	15	5.38	3.7	14.1	0.89	0.43	4.4	2.9	2.1	0	0	3.9	0	0	0	0	0	3.078	15
Lead (Dissolved)	mg/L	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.007	<0.005	0.018	<0.005	<0.005	0	0	0.006	0	0	0	0	0	0.008	0.018
Magnesium	mg/L	0.1	0.5	0.5	0.6	1.3	0.6	0.9	0.6	2	2.1	3.3	1	1.9	2.7	1.6	16.5	1.4	1.6	1.2	0	0	1.1	0	0	0	0	0	2.070	16.5
Manganese (Total)	mg/L	0.005	0.006	0.007	0.015	0.054	0.015	0.033	0.009	0.12	0.11	0.13	0.016	0.11	0.15	0.081	0.1	0.092	0.12	0.063	0	0	0.067	0	0	0	0	0	0.065	0.15
Mercury (dissolved)*	ug/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.058	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0	0	<0.05	0	0	0	0	0	0.000	0

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			Sample No. 13/2166	Sample No. 14/0376	Sample No. 14/1200	Sample No. 14/1552	Sample No. 14/2042	Sample No. 15/0422	Sample No. 15/0997-1	Sample No. 15/1497	Sample No. 15/1980	Sample No. 16/0424	Sample No. 16/0996	Sample No. 16/1802	Sample No. 16/1969	Sample No. 17/0521	Sample No. 17/0935	Sample No. 17/1480	Sample No. 17/2051	Sample No. 18/0542	Sample No. 18/0940	Sample No. 18/1489	Sample No. 18/1650	Sample No. 19/1019	Sample No. 19/2129				Sample No. 20/0583	Sample No. 20/0991	
Nickel (Dissolved)	mg/L	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.008	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.015	<0.005	<0.005	0	0	<0.005	0	0	0	0	0	0	0	0	0.008	0.015
Nitrogen - Nitrate-N	mg/L	0.05	0.31	0.49	0.23	0.13	0.25	0.12	0.18	<0.05	<0.05	0.07	1.3	<0.05	<0.05	0.28	<0.05	<0.05	0.21	0.1	0	0	<0.05	0	0	0	0	0	0.282	1.3	
Nitrogen - Nitrite-N	mg/L	0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	0.03	<0.01	<0.01	0.03	<0.01	<0.01	0.03	0	0	<0.01	0	0	0	0	0.020	0.03	
Nitrogen - Total Kjeldahl	mg/L	0.1	0.2	0.1	0.1	1	0.2	0.6	0.7	0.2	<0.1	2	1.1	0.7	0.4	1.8	53.1	0.5	1	0.3	0	0	0.8	0	0	0	0	0	3.411	53.1	
pH	pH	0.1	5.5	5.6	5.65	5.6	5.4	5.8	5.6	5.5	5.6	5.2	5.5	5.5	5.4	5.5	8.1	5.5	5.6	5.7	0	0	5.5	0	0	0	0	5.388	8.1		
Potassium	mg/L	0.1	1.5	1.2	1.7	3.9	1.6	2.5	1.6	2.2	3.7	6.4	2.2	3.7	6.4	3.9	117	2.8	3.5	2.5	0	0	2.3	0	0	0	0	8.530	117		
Redox Potential	mV	-500	316	302	286	363	189	208	220	222	159	282	381	346	427	331	144	328	212	193	0	0	210	0	0	0	0	255.950	427		
Sodium	mg/L	0.15	8.8	7.1	9.9	11.8	9	11	10	18	19	20	11	15.8	16.8	7.9	288	12.9	10.6	15.5	0	0	7	0	0	0	0	25.505	288		
Sulphate	mg/L	2	<2	<2	<2	<2	<2	<2	<2	<1	3	1	8	3.2	5.1	7.1	1.4	4.1	3.6	1.6	0	0	5.6	0	0	0	0	3.642	8		
Total Organic Carbon*	mg/L	1	2	<1	2	2	2	1	<1	2	5	29	15	6	11	21	98	17	7	6	0	0	9	0	0	0	0	13.056	98		
Zinc (Total)	mg/L	0.005	0.018	0.008	0.013	0.013	0.007	0.024	0.016	0.017	0.056	0.12	0.034	0.038	0.12	0.32	0.032	0.061	0.082	0.078	0	0	0.095	0	0	0	0	0.058	0.32		
PAHs in water*	µg/L	1	[ND]	[ND]	[ND]	<5	[ND]	ND	ND	<5	<5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	0	ND	0	0	0	0	0.000	0		
TRH C10-C14*	µg/L	50	<50		<50	<50		ND	<50	<50	<50	<50	<50	<50	<50	ND	63	ND	ND	ND	0	0	ND	0	0	0	0	31.500	63		
TRH C15-C28*	µg/L	100	220		<100	<100		ND	<100	<100	<100	220	<100	<100	<100	ND	120	ND	ND	ND	0	0	ND	0	0	0	0	140.000	220		
TRH C29-C36*	µg/L	100	<100		<100	<100		ND	<100	<100	<100	<100	<100	<100	<100	ND	<100	ND	ND	ND	0	0	ND	0	0	0	0	0.000	0		
TRH C10-C36*	µg/L	100		[ND]							<100					ND					0	0	<100	0	0	0	0	0.000	0		
Suspended Solids	mg/L	1															19														
Alkalinity - Hydroxide	mg/L	0				0	0	0	0												0	0		0	0	0	0	0	0.000	0	
Chromium (VI)	mg/L	0.05			<0.05					<0.05											0	0		0	0	0	0	<0.05	<0.05	<0.05	
OC/OP in Water*	ug/L	0.2	<0.2	<0.2		<0.2				<0.2											0	0		0	0	0	0	<0.2	<0.2	<0.2	
Date Obtained			11/12/2013	4/03/2014	28/07/2014	10/09/2014	4/12/2014	30/03/2015	6/07/2015	28/09/2015	8/12/2015	15/03/2016	21/06/2016	8/11/2016	12/05/2016	28/03/2017	8/06/2017	7/09/2017	13/12/2017	3/04/2018	15/06/2018	28/09/2018	26/10/2018	19/09/2019	13/12/2019	1/04/2020	26/06/2020				
Date Published					23/09/2014	6/01/2015	7/04/2015	8/08/2015	29/09/2015	21/12/2015	31/03/2016	5/07/2016	21/11/2016	20/12/2016	11/04/2017	26/06/2017	20/09/2017	22/12/2017	12/04/2018	29/06/2018	16/10/2018	9/11/2018	10/07/2019	8/01/2020	14/04/2020	10/07/2020					