

Boonoo Boonoo Discharge and Monitoring Point 7

Date Sampled

Analyte	Unit	PQL	10/12/2013	3/3/2014	25/07/2014	9/9/2014	4/12/2014	10/03/2015	23/6/15	15/09/15	08/12/2015	15/03/2016	21/06/2016	8/11/2016	5/12/2016	28/03/2017	8/06/2017	7/09/2017	13/12/2017	3/04/2018	15/06/2018	28/09/2018	26/10/2018	19/06/2019	13/12/2019	1/04/2020	Min Since 10/12/2013	Mean Since 10/12/2013	Max Since 10/12/2013	
			Sample No. 13/2166	Sample No. 14/0376	Sample No. 4/1200	Sample No. 14/1552	Sample No. 14/2042	Sample No. 15/0422	Sample No. 15/0997-4	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. 20/0503				
Water Level#	m	0.1				[N]		NT	NT		NT	NT	NT	NT	NT	NT	NT	Dry	Dry	Dry	Dry	Dry	NA	Dry	Dry	Dry				
Temperature - field	Deg. C	0.1	18.9	17.2	8	11	19.4	15.5	7.2	5.4	11.6	15.5	9.1	11.2	15	21.5	13.4	0	0	0	0	0	14.5	0	0	0	0	0	11.1	21.5
Dissolved Oxygen	mg/L	0.2	8.5	8.2	8.81	8.88	7.7	6	9	8.8	5.9	8	8.7	7.5	7.3	7.6	8.9	0	0	0	0	0	7.7	0	0	0	0	0	6.7	9
Alkalinity (as CaCO3)	mg/L	20	<20	<20	<20	<20	<20	<20	<20	<20	26	<20	<20	<20	<20	<20	<20	0	0	0	0	0	<20	0	0	0	0	<20	<20	<20
Aluminium (Dissolved)	mg/L	0.005	0.204	0.17	0.287	0.804	0.23	0.38	0.48	0.3	0.29	0.15	1.8	0.64	0.15	0.9	0.42	0	0	0	0	0	1.16	0	0	0	0	0	0.4	1.8
Ammonia-N	mg/L	0.01	0.02	<0.01	<0.01	0.02	<0.01	0.04	0.07	0.01	0.01	0.01	0.23	0.07	0.01	0.03	0.13	0	0	0	0	0	0.05	0	0	0	0	0	0.0	0.23
Arsenic (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	0	0	0	0	<0.005	0	0	0	0	<0.005	<0.005	<0.005
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	0	0	0	0	<0.005	0	0	0	0	<0.005	<0.005	<0.005
Calcium	mg/L	0.1	0.3	0.3	0.7	0.6	0.5	1.8	0.6	1	4.2	0.3	0.7	0.5	0.7	0.8	0.8	0	0	0	0	0	0.7	0	0	0	0	0	0.8	4.2
Chloride	mg/L	2	8.85	8.83	11.39	11.01	9	9	10	9	9	9	9	10	11	10	10	0	0	0	0	0	10	0	0	0	0	0	8.1	11.39
Chromium (Total)	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	0.039	<0.005	0	0	0	0	0	<0.005	0	0	0	0	<0.005	<0.005	<0.005
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	0	0	0	0	<0.005	0	0	0	0	<0.005	<0.005	<0.005
Electrical Conductivity	µS/cm	1	63.1	53.6	58.2	56.8	53.7	49.7	54	50	47	53	54	50.9	58	61.2	56.5	0	0	0	0	0	51.4	0	0	0	0	0	45.5	63.1
Copper (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	0	0	0	0	<0.005	0	0	0	0	<0.005	<0.005	<0.005
Iron (Total)	mg/L	0.005	0.439	0.435	1.352	1.481	0.87	6.82	0.42	2.66	15	0.22	0.74	0.75	0.24	0.46	0.25	0	0	0	0	0	0.6	0	0	0	0	0	1.8	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	<0.005	<0.005	0	0	0	0	0	<0.005	0	0	0	0	<0.005	<0.005	<0.005
Magnesium	mg/L	0.1	0.4	0.4	0.6	0.7	0.5	1.4	0.6	0.7	2.9	0.4	0.7	0.5	0.4	0.8	0.8	0	0	0	0	0	0.8	0	0	0	0	0	0.7	2.9
Manganese (Total)	mg/L	0.005	0.005	0.005	0.024	0.021	0.012	0.077	0.006	0.059	0.24	<0.005	0.005	0.005	0.005	0.015	0.008	0	0	0	0	0	0.01	0	0	0	0	0	0.0	0.24
Mercury*	ug/L	0.05	<0.05	<0.05	<0.05	<0.05	<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	0	0	<0.05	0	0	0	0	<0.05	<0.05	<0.05

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Analyte	Unit	PQL	Date Sampled																								Min Since 10/12/2013	Mean Since 10/12/2013	Max Since 10/12/2013	
			10/12/2013	3/3/2014	25/07/2014	9/9/2014	4/12/2014	10/03/2015	23/6/15	15/09/15	08/12/2015	15/03/2016	21/06/2016	8/11/2016	5/12/2016	28/03/2017	8/06/2017	7/09/2017	13/12/2017	3/04/2018	15/06/2018	28/09/2018	26/10/2018	19/06/2019	13/12/2019	1/04/2020				
			Sample No. 13/2166	Sample No. 14/0376	Sample No. 4/1200	Sample No. 14/1552	Sample No. 14/2042	Sample No. 15/0422	Sample No. 15/0997-4	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. 20/0503				
Nickel (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	0	0	0	0	<0.005	0	0	0	<0.005	<0.005	<0.005		
Nitrogen - Nitrate-N	mg/L	0.05	<0.05	<0.05	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0	0	0	0	0	<0.05	0	0	0	0	0.0	0.06		
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	<0.01	<0.01	<0.01	<0.01	<0.01	0	0	0	0	0	<0.01	0	0	0	0	0.0	0		
Nitrogen - Total Kjeldahl	mg/L	0.1	0.5	0.5	1.5	1.3	1.1	6.3	0.8	2.5	6.4	0.3	1.2	0.9	0.4	0.8	0.3	0	0	0	0	0.8	0	0	0	0	1.4	6.4		
pH	pH	0.1	6.5	6.3	6.25	6.15	7.2	6.2	6	6.7	6.6	7.1	5.9	7.6	6.7	5.9	5.5	0	0	0	0	6	0	0	0	0	5.4	7.6		
Potassium	mg/L	0.1	0.9	0.9	1.3	1.6	1.2	2	1.3	1.3	3	1.1	2.4	1.2	1.9	2.9	2.7	0	0	0	0	0.9	0	0	0	0	1.4	3		
Redox Potential#	mV	-500	215	173	305	348	152	174	368	226	171	235	325	238	317	345	276	0	0	0	0	0	179	0	0	0	0	214.9	368	
Sodium	mg/L	0.15	8.6	7.4	10	9.5	9	10	9	9	9	9	8	8.6	10.6	8	12.3	0	0	0	0	0	8.5	0	0	0	0	7.7	12.3	
Sulphate#	mg/L	2	<2	<2	<2	<2	<2	<2	<2	<2	<1	<1	2	<1	1.2	<1	4.2	0	0	0	0	0	1	0	0	0	<2	<2		
Total Organic Carbon*	mg/L	1	5	3	11	15	14	160	11	6	9	7	29	18	7	18	18	0	0	0	0	0	27	0	0	0	0	18.4	160	
Zinc (Total)	mg/L	0.005	<0.005	<0.005	<0.005	<0.005	0.007	<0.005	0.005	0.024	<0.005	<0.005	<0.005	<0.005	0.007	0.12	0	0	0	0	0	<0.005	0	0	0	<0.005	0	0.007		
PAHs in water*	µg/L	1	[ND]	[ND]	[ND]	<5	[ND]	[ND]	ND	<5	<5	ND	ND	ND	ND	ND	ND	0	0	0	0	ND	0	0	0	0	ND	<5	<5	
TRH C10-C14*	µg/L	50	<50		<50	<50		<50	<50	<50	<50	<50	<50	<50	<50	<50	ND	ND	0	0	0	0	0	0	0	0	<50	<50	<50	
TRH C15-C28*	µg/L	100	<100		<100	<100		<100	<100	<100	<100	<100	<100	<100	<100	<100	ND	ND	0	0	0	0	0	0	0	0	<100	<100	<100	
TRH C29-C36*	µg/L	100	<100		<100	<100		100	<100	<100	<100	<100	<100	<100	<100	<100	ND	ND	0	0	0	0	0	0	0	0	<100	0	100	
TRH C10-C36*	µg/L	100		[ND]															0	0	0	0	0	0	0	<100	0	0	0	
Suspended Solids	mg/L	1																11	0	0	0	0	0	0	0	0				
Alkalinity - Hydroxide	mg/L	0				0																					0	0.0	0	
Chromium (VI)	mg/L	0.05			<0.05					<0.05											0	0				0	0	<0.05	<0.05	<0.05
Mercury (Dissolved)*	µg/L	0.05			<0.05					<0.05											0	0				0	0	<0.05	<0.05	<0.05
DOC/OP in Water*	ug/L	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Date Obtained						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	19/06/2019	13/12/2019	1/04/2020					
Date Published						6/01/2015	7/04/2015	8/08/2015	29/09/2015	21/12/2015	31/03/2016	5/07/2016	21/11/2016	26/12/2016	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					