Boonoo Boonoo Discharge and Monitoring Point 9

Analyte	Unit	PQL	Date Sampled																							
			10/12/2013	3/3/2014	9/09/2014	4/12/2014	10/3/2015	15/09/2015	8/12/2015	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	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. 14/552	Sample No. 14/2042	Sample No. 15/0422	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			
Water Level#	m	0.1			[NT]	Dry	Dry	ND	ND	Dry	NT	NT	NT	NT	NT	Flowing		Flowing	Low Flow	Dry	NA	Dry	Dry			
Temperature - field	Deg. C	0.1	19.6	16.2	9			7.2	12.8		9.6	11.2	15.4	17.2	10.6	10.5		17.5	8.8	0	15	0	0	7.2	13.07	19.6
Dissolved Oxygen	mg/L	0.2	7	5.6	9.04			9.1	7.7		8.1	7.9	4.6	7.7	9.2	10.5		8.7	8.8	0	8.4	0	0	4.6	7.93	10.5
Alkalinity (as CaCO3)	mg/L	20	20	<20	<20			<20	<20		<20	<20	28	<20	<20	<20		<20	<20	0	<20	0	0	<20	<20	20
Aluminium (Dissolved)	mg/L	0.005	0.657	0.4	0.73			0.31	0.33		2.2	0.59	0.15	0.85	0.22	0.21		0.27	0.19	0	1.27	0	0	0.15	0.58	2.2
Ammonia-N	mg/L	0.01	0.04	<0.01	0.02			0.01	0.02		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		0.06	0.01	0	0.03	0	0	0.01	0.03	0.06
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	<0.005	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	<0.005	0	0	<0.005	<0.005	<0.005
Calcium	mg/L	0.1	6.2	2.7	0.5			0.6	0.8		0.6	0.7	7.3	0.8	0.6	0.6		0.4	0.9	0	0.9	0	0	0.4	1.82	7.3
Chloride	mg/L	2	12.99	11.74	10.72			11	9		8	10	12	10	11	11		9	13	0	11	0	0	8	10.54	12.99
Chromium (Total)	mg/L	0.005	0.007	0.005	<0.005			<0.005	<0.005		<0.005	<0.005	0.009	0.01	<0.005	<0.005		<0.005	<0.005	0	<0.005	0	0	<0.005	0.01	0.007
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	<0.005	0	0	<0.005	<0.005	<0.005
Electrical Conductivity	µS/cm	1	63.5	63.8	57.1			58	51		47	55.8	67.6	60.4	58.6	62.8		51.5	62.6	0	61.8	0	0	47	58.09	67.6
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	<0.005	0	0	<0.005	<0.005	<0.005
Iron (Total)	mg/L	0.005	16.9	9.061	0.53			0.26	3.48		0.75	1.3	15.9	0.7	0.23	0.68		0.67	1.2	0	0.75	0	0	0.23	4.21	16.9
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	0.019		<0.005	<0.005	0	0.005	0	0	<0.005	<0.005	<0.005
Magnesium	mg/L	0.1	3.1	1.4	0.6			0.5	0.8		0.8	0.7	3.4	0.8	0.5	0.5		0.5	0.8	0	0.6	0	0	0.5	1.13	3.4
Manganese (Total)	mg/L	0.005	0.584	0.146	0.005			0.005	0.64		0.008	0.029	0.38	0.013	<0.005	0.017		0.01	0.021	0	0.008	0	0	0.005	0.17	0.64
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	<0.05	0	0	<0.05	<0.05	<0.05
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	0.006		<0.005	<0.005	0	<0.005	0	0	<0.005	<0.005	<0.005
Nitrogen - Nitrate-N	mg/L	0.05	0.11	<0.05	<0.05			0.05	<0.05		<0.05	<0.05	1.2	<0.05	0.05	<0.05		<0.05	<0.05	0	0.06	0	0	<0.05	0.35	1.2
Nitrogen - Nitrite-N	mg/L	0.01	0.02	<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	<0.01	0	0	<0.01	0.02	0.02
Nitrogen - Total Kjeldahl	mg/L	0.1	8.1	3.3	0.5			0.3	2.9		1	1.1	0.3	0.9	0.2	0.5		1.1	1.3	0	0.3	0	0	0.2	1.68	8.1
pH	pH	0.1	6.1	6.2	6.25			6.5	6.4		5.5	6.2	6.3	5.9	6.4	6.7		6.6	6	0	6.1	0	0	5.5	6.25	6.7
Potassium	mg/L	0.1	3.2	2.2	1.4			1.1	1.5		1.8	1.3	4	3	1.3	1.2		0.7	1	0	1.6	0	0	0.7	1.89	4
Redox Potential#	mV	-500	260	229	352			242	186		339	271	343	360	261	217		259	176	0	233	0	0	186	276.58	360
Sodium	mg/L	0.15	10.9	9.6	9.6			10	9		7	9.5	12.6	8.9	10.4	11.6		9.5	10.2	0	10.4	0	0	7	9.88	12.6
Sulphate#	mg/L	2	<2	<2	<2			<2	<1		2	<1	2.5	<1	<1	<1		<1	1.2	0	1.8	0	0	<2	<2	<2
Total Organic Carbon*	mg/L	1	2	20	12			3	8		27	16	2	32	7	11		5	12	0	6	0	0	2	12.08	32
Total Suspended Solids	mg/L	1						18	540		17	117	3670	9	4	72		52	119	0	18	0	0	4	499.89	3670
Zinc (Total)	mg/L	0.005	0.051	0.023	<0.005			<0.005	0.008		<0.005	<0.005	0.044	0.071	<0.005	0.007		<0.005	0.007	0	0.009	0	0	<0.005	0.04	0.051
PAHs in water*	µg/L	1	[ND]	[ND]	<5			<5	<5		ND	ND	ND	ND	ND	ND		ND	ND	0	ND	0	0	<5	<5	<5
TRH C10-C14*	µg/L	50	<50		<50			<50	<50		<50	<50	<50	ND	<50	ND		ND	<50	0	ND	0	0	<50	<50	<50
TRH C15-C28*	µg/L	100	250		<100			<100	<100		<100	<100	<100	ND	<100	ND		ND	<100	0	ND	0	0	<100	250	250
TRH C29-C36*	µg/L	100	<100		<100			<100	<100		<100	<100	<100	ND	<100	ND		ND	<100	0	ND	0	0	<100	<100	<100
TRH C10-C36*	µg/L	100		[ND]																0	<100			<100	<100	<100
Alkalinity - Hydroxide	mg/L	0			0															0				0	0.00	0
Chromium (VI)	mg/L	0.05						<0.05												0				<0.05	<0.05	<0.05
Mercury (Dissolved)*	µg/L	0.05																		0				0	0.00	0
OC/OP in Water*	ug/L	0.2	<0.2	<0.2	<0.2										<0.2					0				<0.2	<0.2	<0.2
	Date Obtained		11/12/2013	4/03/2014	10/09/2014	4/12/2014	30/03/2015	28/09/2015	8/12/2015	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			
	Date Published				23/09/2014	6/01/2015	7/04/2015	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			