Boonoo Boonoo Discharge and Monitoring Point 9

Date Sampled

Analyte	Unit	PQL	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	1/04/2020	26/06/2020	1/04/2021	21/09/2021	13/12/2021	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	2/12/2024	3/03/2025	29/05/2025	8/09/2025	Min Since	Mean Since	Max Since
			Sample No. 170195	Sample No. 141070	Sample No. 142457	Sample No. 141042	Sample No. 151047	Sample No. 151247	Sample No. 151565	Sample No. 151674	Sample No. 160988	Sample No. 161583	Sample No. 161585	Sample No. 171024	Sample No. 170004	Sample No. 171426	Sample No. 171561	Sample No. 180462	Sample No. 180943	Sample No. 181245	Sample No. 181526	Sample No. 190415	Sample No. 190519	Sample No. 200403	Sample No. 200561	Sample No. 210247.R	Sample No. 210276.R	Sample No. 210365.R	9 (ALS)	Sample No. 220684..	Sample No. 221012.2	Sample No. 225	Sample No. 235	Sample No. 235	Sample No. 5	Sample No. 4	Sample No. 5									
Water Level#	m	0.1			[NT]			ND	ND		NT	NT	NT	NT	NT	Flowing		Flowing	Low Flow	Dry	NA	Dry	Dry	Dry	Dry		3.0m	1.5	3m	1.3m	1.5m			2.6	2.8	3		10.8		1.5	1.7	1.55	1.4	2.8000	5.5333	10.8000
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	0	0	18.6	10.7	14	18	12.5	12.1		17.4	11.1	9.3	14.5		14.9		13.2	15.4	13.3	13	9.3000	12.9000	14.9000
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	0	0	7.6	7.5	5.2	9.3	nt	7.2	7	7	7.8	7.5	9.9	7.8	7.36	6.34	6.45	8.72	6.32	7.63	6.3400	7.7800	9.9000
Alkalinity (as CaCO3)	mg/L	20	20	<20	<20			<20	<20		<20	<20	28	<20	<20	<20		<20	<20	0	<20	0	0	0	0	<20	<20	<20	16	<14	<14	<14	<14	<14	<14	<14	<14	7	12	5	5	5	7	7.0000	9.5000	12.0000
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	0	1.19	0.032	0.051	0.02	0.094	0.085	0.0054	0.0049	0.17		1.3	<0.05	0.038	0.054	0.268	0.06	0.067	0.102	0.0380	0.4640	1.3000
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	0	0.02	<0.01	<0.01	0.02	0.17	0.11	0.087	0.038	0.028	<0.02	<0.02	<0.02	0.014	0.047	0.55	0.077	<0.005	0.01	0.0140	0.1720	0.5500
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	0	<0.005	<0.005	<0.005	<0.001	<0005	0.00015	0.00012	0.00026	0.00032		<0.02	<0.02	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	0.0000	#DIV/0!	0.0000
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	0	<0.005	<0.005	<0.005	<0.0001	<0.0005	5	0.00021	0.000072	0.001		<0.002	<0.002	<0.01	<0.01					0.0000	#DIV/0!	0.0000
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	0	0.8	1.8	1.1	<1	0.8	5	3.2	2.2	1.9	1.9	1.4	1.4	1.56	1.59	1.66	2.25	2.11	4.51	1.4000	1.5700	1.9000
Chloride	mg/L	2	12.99	11.74	10.72			11	9		8	10	12	10	11	11		9	13	0	11	0	0	0	0	9	21	15	15	15	91	70	65	54	62	47	46	30.9	0	41.9	69.1	5.8	94.4	0.0000	37.1800	62.0000
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	0	<0.005	0.007	<0.005	0.002	<0.0005	<0.0005	0.0075	<0.0005	0.0014		0.03	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	0.0300	0.0300	0.0300
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	0	<0.005	<0.005	<0.005	<0.001	0.0003	0.0003	0.0025	0.0013	0.0013		<0.05	<0.05	<0.05	<0.05					0.0000	#DIV/0!	0.0000
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	0	0	50.6	84.4	78.1	77	85	320	260	240	190	190	170	170	155	157	0.171	0.212	0.249	0.349	155.0000	168.4000	190.0000
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	0	<0.005	<0.005	<0.005	<0.001	<0.0005	0.002	0.0062	0.0047	0.018		<0.004	<0.004	0.001	0.001	0.004	0.003	0.003	0.002	0.0010	0.0010	0.0010
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	0	10.5	8.4	1.9	1.42	0.41	0.94	1.4	2.3	2.8		28	0.049	<0.05	0.011	0.404	<0.25	<0.25	0.358	0.0110	9.3533	28.0000
Lead (Dissolved)	mg/L	0.005	<0.005	<0.005	<0.005	Dry	Dry	<0.005	<0.005	Dry	0.005	<0.005	<0.005	<0.005	<0.005	0.019		<0.005	<0.005	0	0.005	0	0	0	0	<0.005	<0.005	<0.005	<0.001	0.001	0.005	0.0013	0.0017	0.003		<0.01	<0.01	0.002	0.001	0.001	0.003	0.005	0.01	0.0010	0.0015	0.0020
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	0	2.1	1.6	0.9	<1	0.72	7.3	4.7	3.2	3.1	2.8	1.9	2.1	2.22	2.29	2.92	3.59	3.37	6.54	1.9000	2.2620	2.8000
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	0	0.11	0.073	0.045	0.055	0.038	0.24	0.039	0.09	0.081		0.45	0.062	0.064	0.029	0.078	0.108	0.119	0.196	0.0290	0.1513	0.4500
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	0	<0.05	<0.05	<0.05	<0.0001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<.05	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0000	#DIV/0!	0.0000
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	0	<0.005	<0.005	<0.005	<.001	0.0009	0.001	0.0012	0.0011	0.0023		<0.007	<0.007	<.01	<0.001	<0.001	<0.001	<0.001	<0.001	0.0000	#DIV/0!	0.0000
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	0	0.14	0.24	0.07	0.02	<0.2	<0.02	0.072	<0.02	0.072	0.036	0.088	0.77	0.982	0.753	0.633	0.04	0.012	<0.005	0.0360	0.5258	0.9820
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	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<.05	<0.005	0.012	0.012	<0.005	<0.005	0.0000	#DIV/0!	0.0000
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	0	2.4	0.8	0.4	0.4							1.7		1.15	0.931	<0.01	0.203	0.148	0.181	0.1480	0.7188	1.7000
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	0	0	5.8	5.4	5.4	6.5	5.4	5.5	4.9	4.9	5.3	5.3	5.2	5.5	5.31	5.62	5.09	5.11	4.86	5.13	5.2000	5.3860	5.6200
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	0	4.4	3.1	2.2	2	1.6	4.1	3.9	3.2	2.9	2.6	2.9	1.4	2.39	2.52	3.85	4.16	3.45	4.58	1.4000	2.3620	2.9000
Redox Potential#	mV	-500	260	229	352			242	186		339	271	343	360	261	217		259	176	0	233	0	0	0	0	391	254	251	233	85	NT	229	267	272	227	234	60.2	200	214	258	224	283	243	60.2000	187.0400	234.0000
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	0	0	10	12.9	81.3	12	10	40	32	26	27	21	21	19	22.8	25.2	29.2	39	35.2	47.3	19.0000	21.8000	25.2000
Sulphate#	mg/L	2	<2	<2	<2			<2	<1		2	<1	2.5	<1	<1	<1		<1	1.2	0	1.8	0	0	0	0	11.7	8	6.3	<1	1	<0.5	<0.5	0.72	1.1	1	1.1	1.7	4.24	<0.5	<9	<9	10.9	<9	1.0000	2.0100	4.2400
Total Organic Carbon*	mg/L	1	2	20	12			3	8		27	16	2	32	7	11		5	12	0	6	0	0	0	0	17	2	3	4	2	1.8	15	2.5	3	1.2	9.2	3	1.76	1.37	2.3	2.24	2.75	3.12	1.2000	3.3080	9.2000
Total Suspended Solids	mg/L	1						18	540		17	117	3670	9	4	72		52	119	0	18	0	0	0	0	2184	698	618	470	4	1.5	5800	310	680	230	11000	26	12	3	11	4	1	6	3.0000	2254.2000	11000.0000
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	0	0.58	0.11	0.038	0.03	0.012	0.039	0.0043	0.0019	0.041		0.14	0.021	0.025	0.086	0.0232	<0.05	0.033	0.028	0.0210	0.0630	0.1400
PAHs in water*	µg/L	1	[ND]	[ND]	<5			<5	<5		ND	ND	ND	ND	ND	ND		ND	ND	0	ND	0	0	0	0	ND	ND	ND	nd	nd	ND	ND	ND	ND	<0.1	<0.1	<0.1	<.01	<1	<1	<1	<1	<1	0.0000	#DIV/0!	0.0000
TRH C10-C14*	µg/L	50	<50		<50			<50	<50		<50	<50	<50	ND	<50	ND		ND	<50	0	ND	0	0	0	0	ND	<50	ND	<100	<50	<50	<50	<50	<50	<50			<50	< 50						0.0000	#DIV/0!	0.0000
TRH C15-C28*	µg/L	100	250		<100			<100	<100		<100	<100	<100	ND	<100	ND		ND	<100	0	ND	0	0	0	0																				0.0000	#DIV/0!	0.0000
TRH C29-C36*	µg/L	100	<100		<100			<100	<100		<100	<100	<100	ND	<100	ND		ND	<100	0	ND	0	0	0	0																				0.0000	#DIV/0!	0.0000
TRH C10-C36*	µg/L	100		[ND]																0	<100			0	0																				0.0000	#DIV/0!	0.0000
																																													0.0000	#DIV/0!	0.0000
Alkalinity - Hydroxide	mg/L	0			0															0																						5		0.0000	#DIV/0!	0.0000
Chromium (VI)	mg/L	0.05						<0.05												0				0	0																<0.001	<0.001	<0.001	0.0000	#DIV/0!	0.0000
Mercury (Dissolved)*	µg/L	0.05																		0				0	0										<0.05	<0.05	<0.05	< .05	<0.05	<0.0005	< 0.0005	<0.0005	<0.0005	0.0000	#DIV/0!	0.0000
OC/OP in Water*	ug/L	0.2	<0.2	<0.2	<0.2										<0.2					0				0	0	N/A	N/A	NA	nd	ND	ND	ND	ND	ND	<0.2	<0.2	<0.2	<.02	<0.02	<1		<1	<1	0.0000	#DIV/0!	0.0000
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	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	31/03/2023	30/06/2023	4/09/2023	11/12/2023	4/03/2024	24/06/2024	10/03/2025	16/12/2024		29/05/2025	12/09/2025			
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	14/04/2020	10/07/2020	15/04/2021	21/09/2021	4/01/2022	18/03/2022	21/06/2022	4/10/2022	12/12/2022	31/03/2023	30/06/2023	26/09/2023	22/12/2023	8/04/2024		24/03/2025	17/01/2025		16/06/2025	25/09/2025			