Boonoo Boonoo Discharge Point 5

Date Sampled

Analyte	Unit	PQL	25/07/2014	9/9/2014	4/12/2014	10/3/2015	23/6/153	15/9/2015	8/12/2015	15/3/2016	21/6/2016	8/11/2016	12/5/2016	28/3/2017	8/6/2017	7/9/2017	13/12/2017	3/4/2018	15/06/2018	28/09/2018	19/06/2019	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 25/07/2014	Mean Since 25/07/2014	Max Since 25/07/2014
			Sample No. 14/1200	Sample No. 14/1552	Sample No. 14/2042	Sample No. 15/0422	Sample No. 15/0997-3	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. 18/0840	Sample No. 18/1489	Sample No. 19/1019	Sample No. 19/2129	Sample No. 20/0583	Sample No. 20/0991	Sample No. 21/0474-5	Sample No. 21/1276-5												
Water Level#	m	0.1		1.8	0	1.9	190	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry		DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY					
Temperature - field	Deg. C	0.1	10	12	0	18	11.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22.2	0	0	0	0	0	0	0	0			0.00	2.02	22.20
Dissolved Oxygen	mg/L	0.2	4.23	6.91	0	6.9	7.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.8	0	0	0	0	0	0	0	0			0.00	0.16	1.80
Alkalinity (as CaCO3)	mg/L	20	27	33	0	30	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	513	0	0	0	0	0	0	0	0			0.00	46.64	513.00
Aluminium (Dissolved)	mg/L	0.005	0.18	0.107	0	0.29	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.21	0	0	0	0	0	0	0	0			0.00	0.02	0.21
Ammonia-N	mg/L	0.01	0.12	0.05	0	0.17	0.13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	0	0	0	0	0	0	0	0			0.00	3.55	39.00
Arsenic (Dissolved)	mg/L	0.005	0.011	0.011	0	0.007	0.006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.014	0	0	0	0	0	0	0	0			0.00	0.00	0.01
Cadmium (Dissolved)	mg/L	0.005	<0.005	<0.005	0	<0.005	<0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	<0.005	0	0	0	0	0	0	0	0			0.00	0.00	0.00
Calcium	mg/L	0.1	37	7.4	0	4.8	4.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84.9	0	0	0	0	0	0	0	0			0.00	7.72	84.90
Chloride	mg/L	2	38.55	34.77	0	28	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	374	0	0	0	0	0	0	0	0			0.00	34.00	374.00
Chromium (Total)	mg/L	0.005	0.073	<0.005	0	<0.005	<0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.034	0	0	0	0	0	0	0	0			0.00	0.00	0.03
Cobalt (Dissolved)	mg/L	0.005	<0.005	<0.005	0	<0.005	<0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	<0.005	0	0	0	0	0	0	0	0			0.00	0.00	0.00
Electrical Conductivity	µS/cm	1		180	0	137	140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2550	0	0	0	0	0	0	0	0			0.00	231.82	2550.00
Copper (Dissolved)	mg/L	0.005	<0.005	<0.005	0	<0.005	<0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.019	0	0	0	0	0	0	0	0			0.00	0.00	0.02
Iron (Total)	mg/L	0.005	29.25	1.882	0	1.74	6.16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.79	0	0	0	0	0	0	0	0			0.00	0.07	0.79
Lead (Dissolved)	mg/L	0.005	<0.005	0.009	0	<0.005	<0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.006	0	0	0	0	0	0	0	0			0.00	0.00	0.01
Magnesium	mg/L	0.1	17	3.2	0	2.2	2.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23.4	0	0	0	0	0	0	0	0			0.00	2.13	23.40
Manganese (Total)	mg/L	0.005	0.764	0.189	0	0.12	0.13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0	0	0			0.00	0.02	0.20
Mercury*	ug/L	0.05		<0.05	0	<0.05	<0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	<0.05	0	0	0	0	0	0	0	0			0.00	0.00	0.00
Nickel (Dissolved)	mg/L	0.005	<0.005	<0.005	0	<0.05	<0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.015	0	0	0	0	0	0	0	0			0.00	0.00	0.02
Nitrogen - Nitrate-N	mg/L	0.05	0.24	<0.05	0	0.08	<0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	<0.05	0	0	0	0	0	0	0	0			0.00	0.00	0.00

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Analyte	Unit	PQL	25/07/2014	9/9/2014	4/12/2014	10/3/2015	23/6/153	15/9/2015	8/12/2015	15/3/2016	21/6/2016	8/11/2016	12/5/2016	28/3/2017	8/6/2017	7/9/2017	13/12/2017	3/4/2018	15/06/2018	28/09/2018	19/06/2019	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 25/07/2014	Mean Since 25/07/2014	Max Since 25/07/2014
			Sample No. 14/1200	Sample No. 14/1552	Sample No. 14/2042	Sample No. 15/0422	Sample No. 15/0997-3	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. 18/0840	Sample No. 18/1489	Sample No. 19/1019	Sample No. 19/2129	Sample No. 20/0583	Sample No. 20/0991	Sample No. 21/0474-5	Sample No. 21/1276-5												
Nitrogen - Nitrite-N	mg/L	0.01	0.11	<0.01	0	<0.01	<0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	<0.01	0	0	0	0	0	0	0	0			0.00	0.00	0.00
Nitrogen - Total Kjeldahl	mg/L	0.1	uncertain*	0.3	0	0.4	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81.6	0	0	0	0	0	0	0	0			0.00	7.42	81.60
pH	pH	0.1	5.61	5.7	0	5.9	5.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.9	0	0	0	0	0	0	0	0			0.00	7.90	7.90
Potassium	mg/L	0.1	19.3	2.9	0	3	2.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	188	0	0	0	0	0	0	0	0			0.00	17.09	188.00
Redox Potential#	mV	-500	180.2	349	0	180	410	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	314	0	0	0	0	0	0	0	0			0.00	28.55	314.00
Sodium	mg/L	0.15	25.8	20.3	0	19	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	263	0	0	0	0	0	0	0	0			0.00	23.91	263.00
Sulphate#	mg/L	2	2.25	2.62	0	<2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	175	0	0	0	0	0	0	0	0			0.00	15.91	175.00
Total Organic Carbon*	mg/L	1	5	3	0	3	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	0	0	0	0	0	0	0	0			0.00	10.00	110.00
Zinc (Total)	mg/L	0.005	0.166	0.015	0	0.023	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.094	0	0	0	0	0	0	0	0			0.00	0.01	0.09
PAHs in water*	µg/L	1	[ND]	<5	0	0	ND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ND	0	0	0	0	0	0	0	0			0.00	0.00	0.00
TRH C10-C14*	µg/L	50	<50	<50			<50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	540	0	0	0	0	0	0	0	0			0.00	49.09	540.00
TRH C15-C28*	µg/L	100	<100	<100			<100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0			0.00	0.00	0.00
TRH C29-C36*	µg/L	100	<100	<100		0	<100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0			0.00	0.00	0.00
TRH C10-C36*	µg/L	100			0		<100					0	0						0	0	0	0	0	0		0	0	0	0	0	0	0	0			0.00	0.00	0.00
																										0	0	0	0	0	0	0	0					
Alkalinity - Hydroxide	mg/L	0		0				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														0.00	#DIV/0!	0.00
Chromium (VI)	mg/L	0.05	<0.05					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0			0.00	0.00	0.00
Mercury (Dissolved)*	µg/L	0.05	<0.05									0	0						0	0	0	0	0	0		0	0	0	0	0	0	0	0			0.00	0.00	0.00
OC/OP in Water*	ug/L	0.2		<0.2	0		<0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	0	0	0	0	0	0	0	0			0.00	0.00	0.00
Date Obtained			28/07/2014	10/09/2014	4/12/2014	30/03/2015	6/07/2015	28/09/2015	8/12/2015	15/03/2016	21/06/2019	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	19/06/2019	13/12/2019	1/04/2020	26/06/2020	1/04/2021	7/09/2021	13/12/2021		30/05/2022	20/09/2022		20/03/2023	9/06/2023					
Date Published				23/09/2014	6/01/2015	7/04/2015	8/08/2015	29/09/2015	21/15/2015	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	10/07/2019	8/01/2020	14/04/2020	10/07/2020	15/04/2021	21/09/2021	4/01/2022		21/06/2022	4/10/2022		31/03/2023	30/06/2023					