Boonoo Boonoo Monitioring Point 4

Analyte	Unit	PQL	Date Sampled																												
			10/12/2013	3/3/2014	25/07/2014	9/9/2014	4/12/2014	10/03/2015	23/06/2015	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	Min Since 10/12/13	Mean Since 10/12/2013	Max Since 10/12/2013
			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. 15/0997-2	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			
Water Level#	m	0.1			[NT]	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]	Full	Full	0.7	NA			1.3	NA			
Temperature - field	Deg. C	0.1	20	19.3	9	12	18.7	21	9	13.7	19.6	20.2	9.3	17.2	23	20.4	7.3	12	24	17.8	10.5	12.4	25	13.3	22.8	19.6		7.3	16.257	25
Dissolved Oxygen	mg/L	0.2	7.2	3.7	3.24	7.84	6.3	4.1	4.7	4	7.1	5.8	5.7	3.6	6.7	7	8.1	9.93	7.6	5.8	7.4	8.9	5.6	7.4	2.2	7.7	2.7	3.24	6.205	9.93
Alkalinity (as CaCO3)	mg/L	20	427	410	510	415	322	272	653	468	387	421	502	516	452	390	<20	535	434	459	579	540	498	723	930	<20	925	272	459.500	653
Aluminium (Dissolved)	mg/L	0.005	1.581	0.075	0.468	0.92	0.82	1.74	0.27	0.098	1.56	0.69	0.66	1.41	0.41	1.17	0.34	0.16	1.32	0.37	0.074	0.28	0.93	0.064	0.18	0.005	0.23	0.074	0.731	1.74
Ammonia-N	mg/L	0.01	15.3	13.6	29.15	16.58	<0.01	2.6	61.2	18	3.8	4.6	31	2	4.1	15	<0.01	31	5.6	2.3	17	5.9	23	22	14	0.07	38	2	15.881	61.2
Arsenic (Dissolved)	mg/L	0.005	<0.005	0.013	<0.005	0.034		<0.005	0.036	0.022	<0.005	0.008	<0.005	<0.005	<0.005	<0.005	<0.005	0.006	0.008	<0.005	0.008	0.007	0.005	0.011	<0.005	<0.005	0.015	0.006	0.018	0.036
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	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0	<0.005	<0.005
Calcium	mg/L	0.1	24.9	21.5	40.5	32.3	15.1	13.7	52.5	30.7	20.6	23.7	30.6	35.2	33	17.9	2.5	32.8	34.4	30.2	34.6	35.8	33.3	25.7	32.4	1.1	38.2	2.5	28.371	52.5
Chloride	mg/L	2	191.88	216.94	226.8	198	220	190	265	285	270	290	265	59	355	258	19	331	356	305	346	350	319	475	688	9	568	19	253.172	356
Chromium (Total)	mg/L	0.005	0.011	0.01	0.012	0.007	<0.005	0.006	0.034	0.031	0.02	0.014	0.025	0.037	0.029	0.027	<0.005	0.031	0.026	0.02	0.02	0.017	0.023	0.032	0.036	<0.005	0.105	0.006	0.021	0.037
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	0.006	0.007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.006	0.006	<0.005	<0.005
Electrical Conductivity	µS/cm	1	1425	1558	1738	1475	1361	1227	2168	1888	1720	1856	1987	2090	2110	1650	95.4	2080	1890	1980	2240	2370	2140	3010	4210	60	3420	95.4	1764.210	2370
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	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0	<0.005	<0.005
Iron (Total)	mg/L	0.005	1.133	0.22	0.344	0.493	0.33	0.41	0.54	0.21	0.55	0.38	0.53	0.49	0.26	0.44	0.88	0.36	0.39	0.2	0.18	0.27	0.31	0.28	0.32	2.2	0.5	0.18	0.425	1.133
Lead (Dissolved)	mg/L	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.22	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.006	0.113	0.22
Magnesium	mg/L	0.1	12.7	12.9	15.7	13.6	11	11	2.3	15	14	14	15	14.5	16.6	11.3	1.5	14.8	16.6	15.8	17.3	18.4	16.4	21.3	27.3	0.09	22.8	1.5	13.352	18.4
Manganese (Total)	mg/L	0.005	0.07	0.157	0.178	0.119	0.029	0.069	0.13	0.096	0.052	0.055	0.092	0.084	0.044	0.035	0.088	0.079	0.04	0.02	0.04	0.034	0.023	0.035	0.043	0.036	0.12	0.02	0.073	0.178
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	NT	<0.05	<0.05		<0.05	<0.05		<0.05	<0.05	0	<0.05	<0.05
Nickel (Dissolved)	mg/L	0.005	0.009	0.009	0.009	0.008	0.008	0.008	<0.005	0	0	0	0	0.016	0.018	0.02	<0.005	0.01	0.014	<0.005	0.015	0.018	0.016	0.022	0.029	<0.005	0.029	0	0.010	0.02
Nitrogen - Nitrate-N	mg/L	0.05	0.18	<0.05	<0.05	0.07	<0.05	<0.05	0.05	<0.05	0.44	0.08	0.06	<0.05	1.4	<0.05	0.29	<0.05	0.56	0.72	<0.05	0.11	0.76	<0.05	<0.05	<0.05	<0.05	0.05	0.385	1.4
Nitrogen - Nitrite-N	mg/L	0.01	0.46	0.01	<0.01	0.07	0.02	0.01	<0.010	<0.01	1	0.21	0.01	<0.01	2.2	0.03	<0.01	0.08	1.5	1.6	0.04	0.29	0.24	0.01	0.07	<0.01	0.01	0.01	0.486	2.2
Nitrogen - Total Kjeldahl	mg/L	0.1	27.3	24.6	43.7	28.6	14	12	65	35	3.8	20	47	47	24	28	0.3	50	20	19	36	22	45	79.3	44	0.3	55.8	0.3	29.157	65
pH	pH	0.1	8.5	7.9	7.66	8.2	9.4	8.5	7.6	8.3	8.8	8.6	8	7.6	8.8	8.1	5.5	8.3	8.6	8	8.1	8.7	8.2	8.4	8.5	5.7	8.1	5.5	8.160	9.4
Potassium	mg/L	0.1	92.4	92.5	121	102	105	105	145	145	145	145	160	151	195	133	2.7	165	175	175	183	203	172	251	371	2	349	2.7	138.695	203
Redox Potential#	mV	-500	174	235	93.8	202	121	106	142	203	92.8	210	178	147	171	338	276	157	164	153	124	81.7	153			298	164	81.7	167.729	338
Sodium	mg/L	0.15	164	167	227	186	186	205	234	238	233	250	254	259	318	217	12.3	268	279	287	296	339	282	407	598	8.8	574	12.3	233.395	339
Sulphate#	mg/L	2	<2	15.37	25.61	24.6	23	28	65	65	65	48	42	89	20.2	35.9	4.2	4	38.9	42.4	7.2	29.9	43.6	<1	111	4.6	19.3	4	35.844	89
Total Organic Carbon*	mg/L	1	73	61	80	62	53	58	93	92	89	89	86	97	150	79	18	230	NT	87	110	99	85	140	180	1	190	18	89.550	230
Zinc (Total)	mg/L	0.005	0.013	0.007	0.022	<0.005	<0.005	0.008	0.075	0.03	0.013	0.008	0.014	0.018	0.009	0.08	0.12	0.017	0.007	<0.005	0.005	0.006	0.009	<0.005	0.013	0.12	0.02	0.005	0.026	0.12
PAHs in water*	µg/L	1	[ND]	[ND]	[ND]	<5	[ND]	[ND]	[ND]	<5	<5	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND			ND	ND	<5	ND	<5
TRH C10-C14*	µg/L	50	65		160	<50			<50	64	79	<50	60	140	53	ND	52	ND	NT	ND	ND	ND	ND			ND	160	52	84.125	160
TRH C15-C28*	µg/L	100	<100		270	<100			<100	290	310	<100	280	140	210	ND	110	ND	NT	ND	ND	ND	ND			ND	390	110	230.000	310
TRH C29-C36*	µg/L	100	<100		130	<100		[ND]	<100	150	<100	<100	<100	<100	<100	ND	<100	ND	NT	ND	ND	ND	ND			ND	<100	130	140.000	150
TRH C10-C36*	µg/L	100		[ND]			220																190			ND		220	220.000	220
Suspended Solids	mg/L	1															192													
Alkalinity - Hydroxide	mg/L	0				0																		0				0	0	0
Chromium (VI)	mg/L	0.05			<0.05					<0.05																		<0.05	<0.05	<0.05
Mercury (Dissolved)*	µg/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
OC/OP in Water*	ug/L	0.2	<0.2	<0.2	<0.2	<0.2	<0.2		<0.2			ND	<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		11/12/2013	4/03/2014	28/07/2014	10/09/2014	4/12/2014	30/03/2015	6/07/2015	28/09/2015	8/12/5015	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			