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	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			
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					
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	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	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	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	0.074	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	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	0.006	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	<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	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	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	0.006	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	0.006	<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	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	<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	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	0.006	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	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	0.02	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	<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	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	0.385	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	0.486	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	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	5.5	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	2.7	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			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	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	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	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	0.005	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			<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			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			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			130	140.000	150
TRH C10-C36*	µg/L	100		[ND]			220																190			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
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
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			
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			