



Mount Polley Mining Corporation

an Imperial Metals company

August 10, 2017

Via Email: Douglas J. Hill

Director, *Environmental Management Act* Mining Operations
BC Ministry of Environment – Regional Operations Branch

RE: Second Quarter 2017 Report for *EMA* Permit 11678

Mount Polley Mining Corporation (MPMC) is pleased to present this second quarter monitoring report for 2017 as required under Permit 11678. Surface water and groundwater monitoring was conducted throughout this time period as specified in the approved 2016 *Comprehensive Environmental Monitoring Plan* (CEMP) as well as the draft CEMP which was submitted to the Director on March 31, 2017. Sampling events from the second quarter 2017 are outlined in Table 1.

There was no water transferred to any inactive pits during the second quarter.

There was no metal contaminated soil processed in the mill during the second quarter.

Accordance with the most draft recent version of the CEMP, the following compliance monitoring has occurred:

- Hydrological monitoring was conducted at stations H1, H2, H3, H4, W1b, W4a and W12. Station W5 was dry and therefore no flow was measured.
- Climate data as described in section 3.6 of permit 11678 were collected continuously. These data are reported annually in the Environmental and Reclamation Report and are not included in this report.
- The bi-annual seepage monitoring program under MEM Permit M-200 requires sampling of representative seeps of all waste rock dumps. The seep surveys were conducted in May and June 2017. There were 20 seep sampling events.
- There were 89 permitted surface water quality sampling events.
- There were 61 permitted groundwater quality sampling events.
- All toxicity testing was completed as outlined in the aforementioned versions of the CEMP. Results are reported in the monthly report submitted to MoE as outlined in section 3.9 of permit 11678. These reports are not included here.

- Quality assurance monitoring included twenty duplicate samples, four equipment blanks, five field blanks, six trip blanks, one de-ionized (DI) water blank, and one filter blank.
- Nine sampling events occurred at the edge of the IDZ on Quesnel Lake. The water treatment plant (WTP) discharge ceased on March 30, 2017 due to naturally high flows in Hazeltine Creek and commenced again on June 6, 2017. During that time, intensive sampling occurred at the QUL-58 site six times to coincide with the spring turnover in Quesnel Lake. Reasonable effort was made to find the plume when discharge resumed at the WTP. After June 6, 2017, three sampling events occurred at QUL-58 and no evidence of a plume was observed.
- Biological and Lake sampling conducted by Minnow Environmental included fish tissue chemistry, DGT, and water quality. Results for DGT are not available at the time of reporting. Note* fish tissue and water quality results in this program have not been QA/QC'd at time of reporting. A complete report will be in the Annual Environmental and Reclamation Report.
- There were no exceedances of permitted limits in the second quarter.

Table 1: Sampling events in the second quarter 2017

Site Name	BC EMS Code	Full Sample Suite Frequency	Required Samples	Completed Samples	Required Profiles	Completed Profiles
E1a	E225309	Monthly ^(a)	3	4	-	-
E19	E305050	Weekly	13	7 ^(b)	-	-
HAD-3	E304230	Weekly ^(c)	4	4	-	-
HAC-10	E303010	Monthly	3	3	-	-
HAC-13	E304810	Weekly	13	7 ^(c)	-	-
HAC-05a	E304510	Monthly	3	4	-	-
HAC-08	E303013	Monthly	3	4	-	-
HAC-12	E304351	Weekly	13	13	-	-
QUL-58	E304876	Monthly/weekly ^(d)	7	9	7	9
QUL-18	E303019	Monthly ^(e)	3	3	3	3
QUL-2a	E303020	Monthly ^(e)	3	3	3	3
QUL-120a	E303022	Bi-annually ^(f)	2	2	2	2
QUL-ZOO-1	E306455	Bi-annually ^(g)	1	1	1	1
QUL-ZOO-7	E306456	Bi-annually ^(g)	1	1	1	1
QUL-ZOO-8	E306457	Bi-annually ^(g)	1	0 ^(h)	1	0 ^(h)
QUR-11	E306454	Monthly	3	3	-	-
W1	E225084	Monthly	3	3	-	-
W4a	E298551	Monthly	3	3	-	-

W5	E208039	Monthly	3	3	-	-
W8	E216743	Quarterly	1	1	-	-
W8Z	E223292	Quarterly	1	1	-	-
W10	E291209	Monthly	3	8	-	-
W12	E216744	Quarterly	1	1	-	-
W20	E297070	Quarterly	1	1	-	-
EDC-01	E303014	Monthly	3	8	-	-
P1	E207974	Spring turnover, twice in summer, fall overturn, once under ice /bi-monthly ⁽ⁱ⁾	2	2	6	4 ⁽ⁱ⁾
P2	E207975	Spring turnover, twice in summer, fall overturn, once under ice /bi-monthly ⁽ⁱ⁾	2	2	6	4 ⁽ⁱ⁾
B1	E207972	Bi-annually/bi-monthly ⁽ⁱ⁾	1	1	6	2 ^(j,k)
B2	E215897	Bi-annually/bi-monthly ⁽ⁱ⁾	1	1	6	2 ^(j,k)
B4		Bi-monthly	0	0	6	2 ^(j,k)
GW96-1a	E229679	Annually	1	1	-	-
GW96-1b	E229680	Bi-annually	1	1	-	-
GW96-2a	E229681	Bi-annually	1	1	-	-
GW96-2b	E229682	Bi-annually	1	1	-	-
GW96-3a	E229683	Annually	1	1	-	-
GW96-4a	E229685	Annually	1	1	-	-
GW96-4b	E229686	Bi-annually	1	1	-	-
GW96-7	E229690	Annually	1	1	-	-
GW00-1a	E242385	Annually	1	1	-	-
GW00-1b	E242384	Bi-annually	1	1	-	-
GW00-2a	E242387	Annually	1	1	-	-
GW00-3a	E242389	Annually	1	1	-	-
GW00-3b	E242388	Bi-annually	1	1	-	-
95-R-5	E229695	Bi-annually	1	1	-	-
GW05-01	E258923	Quarterly	1	1	-	-
GW11-1a	E291210	Bi-annually	1	1	-	-
GW11-1b	E291211	Bi-annually	1	1	-	-
GW11-2a	E291212	Bi-annually	1	1	-	-
GW11-2b	E291213	Bi-annually	1	1	-	-
GW12-1a	E291969	Bi-annually	1	1	-	-
GW12-1b	E291970	Bi-annually	1	1	-	-
GW12-2a	E291971	Monthly	3	4	-	-
GW12-2b	E291972	Monthly	3	4	-	-
GW12-3a	E291973	Bi-annually	1	1	-	-
GW12-3b	E291974	Bi-annually	1	1	-	-

GW12-4a	E291976	Bi-annually	1	1	-	-
GW12-4b	E291977	Bi-annually	1	1	-	-
GW12-5a	E291978	Bi-annually	1	1	-	-
GW12-5b	E291979	Bi-annually	1	1	-	-
GW14-1	E301973	Quarterly	1	1	-	-
GW15-1a	E303210	Monthly	3	3	-	-
GW15-1b	E303211	Monthly	3	2 ^(l)	-	-
GW15-2a	E303212	Monthly	3	3	-	-
GW15-2b	E303213	Monthly	3	4	-	-
GW16-1a	E308529	Quarterly	1	1	-	-
GW16-1b	E308530	Quarterly	1	1	-	-
GW16-2a	E308531	Bi-annually	1	1	-	-
GW16-2b	E308532	Bi-annually	1	1	-	-
GW16-3a	E308533	Bi-annually	1	0 ^(m)	-	-
GW16-3b	E308534	Bi-annually	1	1	-	-
GW16-4a	E308535	Bi-annually	1	1	-	-
GW16-4b	E308536	Bi-annually	1	2	-	-
GW16-5a	E308537	Bi-annually	1	2	-	-
GW16-5b	E308538	Bi-annually	1	1	-	-
GW16-6a	E308539	Quarterly	1	1	-	-
GW16-6b	E308540	Quarterly	1	1	-	-
GW16-7	E308541	Quarterly	1	1	-	-
GW16-8	E308542	Quarterly	1	1	-	-

(a) Deposition of tailings into TSF is ongoing; TSF supernatant is being used as reclaim water as of November 8, 2016. E1a has replaced E1.

(b) Sampling occurred at the intake of the Water Treatment Plant (WTP) while in recirculation mode during non-discharge period.

(c) Discharge from the WTP ceased due to naturally high flows in Hazeltine Creek on March 30, 2017. Discharge recommenced on June 6, 2017.

(d) Monthly, with intensive monitoring during spring and fall overturn.

(e) Monthly between spring and fall overturn; twice during winter.

(f) Bi-annually: once in summer when not isothermal, and once during spring or fall turnover.

(g) Bi-annually in June and August.

(h) Conditions were unsafe to sample or profile due to high winds.

(i) Profiles are conducted on a bi-monthly basis.

(j) Profiles were missed in April due to unsafe conditions.

(k) One profile per month was missed in May and June due to equipment issues.

(l) Unable to sample well in June due to static water level below screen depth.

(m) Unable to sample as groundwater well has not recharged since first purge event in May.

This report includes the following appendices:

- Appendix 1: Surface water, lake water and effluent water quality results
- Appendix 2: Groundwater quality results
- Appendix 3: Field parameters
- Appendix 4: Hydrology results
- Appendix 5: Seep survey results
- Appendix 6: QA/QC results
- Appendix 7: Site Water Balance Update
- Appendix 8: Fish tissue and water quality data collected by Minnow Environmental

Sincerely,

A handwritten signature in black ink, appearing to read 'CHG', is positioned below the word 'Sincerely,'.

Colleen Hughes, EP
Environmental Supervisor
Mount Polley Mining Corporation
250-790-2617

Appendix 1

Monitoring data report for: Permitted CW Quality Site



Mount Polley
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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Conductivity (µs/cm)	Hardness (mg/L)	pH (pH)	TDS (mg/L)	TSS (mg/L)	NTU (ntu)	Alkalinity (CaCO ₃) (mg/L)
E1	04/04/17	1320	462	7.95	964	50.1	32.5	51.1
E1a	23/05/17	1210	455	7.96	910	8.6	4.91	54.8
	29/05/17	1230	477	8.47	877	6.1	3.60	52.7
	20/06/17	1190	447	7.8	906	10.8	11.1	49
E19	17/04/17	1000	533	7.98	797	9.9	5.77	91.2
	02/05/17	1150	618	8.03	922	6.8	7.17	98.1
	31/05/17	1240	672	8.07	1030	8.9	7.34	110
	06/06/17	1330	679	8.09	1100	5.2	2.74	110
	13/06/17	1280	626	8.13	1060	6	4.71	95.3
	20/06/17	1320	612	8.09	1030	3.2	2.55	89.4
	27/06/17	1270	599	8.05	1080	3.6	1.63	83.8
HAD-3	06/06/17	1320	695	7.9	1120	4.4	0.62	99.7
	13/06/17	1290	642	7.96	1020	3.5	0.59	86.5
	20/06/17	1330	617	7.99	1040	4.0	0.82	83.2
	27/06/17	1280	617	7.77	1070	3.7	0.64	76.1

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		Ammonia (as N) (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate (N) (mg/L)	Nitrate and Nitrite (mg/L)	Nitrite (N) (mg/L)	Diss-Orthophosphate (mg/L)
E1	04/04/17	0.51	21.1	0.82	11.3	11.4	0.183	0.003
E1a	23/05/17	0.116	16.9	0.8	9.26	9.4	0.142	<0.0010
	29/05/17	0.0227	17.6	0.82	9.53	9.66	0.131	0.0015
	20/06/17	0.136	19.3	0.9	9.56	9.72	0.154	0.001
E19	17/04/17	0.104	4.9	0.33	6.05	6.08	0.0369	<0.0010
	02/05/17	0.105	4.5	0.41	7.14	7.17	0.0307	0.0012
	31/05/17	0.117	6.3	0.51	9.4	9.47	0.0725	<0.0010
	06/06/17	0.122	7.6	0.5	10.1	10.2	0.0629	<0.0010
	13/06/17	0.128	9.4	0.55	10.4	10.4	0.0863	<0.0010
	20/06/17	0.0968	11.4	0.62	10.1	10.2	0.0880	<0.0010
	27/06/17	0.123	12.4	0.69	10	10.1	0.0903	<0.0010
HAD-3	06/06/17	0.123	13.5	0.44	10.1	10.1	0.065	<0.0010
	13/06/17	0.131	15.8	0.46	10.4	10.5	0.0836	<0.0010
	20/06/17	0.104	17.4	0.54	10.0	10.1	0.0898	<0.0010
	27/06/17	0.128	19	0.6	9.89	9.98	0.0907	<0.0010

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		Diss-Phosphorus (mg/L)	Total Phosphorus (mg/L)	Sulphate (mg/L)	Total Nitrogen (mg/L)	Dissolved Organic Ca (mg/L)	Aluminum (Al)-Total (mg/L)	Antimony (Sb)-Total (mg/L)
E1	04/04/17	0.0098	0.0698	595	12.2	8.41	1.16	0.00186
E1a	23/05/17	0.0026	0.0129	522	9.6	6.56	0.219	0.00154
	29/05/17	0.0039	0.0075	542	9.88	5.78	0.160	0.00160
	20/06/17	<0.0020	0.0266	552	10.5	4.61	0.465	0.00166
E19	17/04/17	0.0036	0.0092	443	6.5	5.19	0.399	0.00109
	02/05/17	0.0029	0.0139	515	7.37	4.47	0.387	0.00109
	31/05/17	0.0026	0.0164	585	9.21	3.62	0.397	0.00152
	06/06/17	0.0029	0.0104	609	10.4	4.45	0.22	0.00139
	13/06/17	0.0034	0.01	584	11	3.74	0.297	0.00143
	20/06/17	<0.0020	0.0086	609	10.5	3.42	0.212	0.00157
	27/06/17	0.0024	0.0051	614	9.95	3.39	0.158	0.00167
HAD-3	06/06/17	0.0023	0.0027	604	10.2	3.86	0.443	0.00135
	13/06/17	0.0029	0.0034	586	10.9	3.6	0.462	0.00139
	20/06/17	<0.0020	0.0037	603	10.7	3.28	0.697	0.00154
	27/06/17	0.0022	<0.0020	604	10.1	3.31	0.69	0.00166

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		Arsenic (As)-Total (mg/L)	Barium (Ba)-Total (mg/L)	Cadmium (Cd)-Total (mg/L)	Calcium (Ca)-Total (mg/L)	Chromium (Cr)-Total (mg/L)	Cobalt (Co)-Total (mg/L)	Copper (Cu)-Total (mg/L)
E1	04/04/17	0.00201	0.0951	<0.000030	146	<0.00050	0.00087	0.0219
E1a	23/05/17	0.00135	0.0819	<0.000045	136	<0.00050	0.00032	0.016
	29/05/17	0.00140	0.0773	<0.000050	144	<0.00050	0.00019	0.00889
	20/06/17	0.00184	0.0767	<0.000035	133	<0.00050	0.00039	0.00664
E19	17/04/17	0.00092	0.0439	<0.00014	173	<0.00050	0.00093	0.0737
	02/05/17	0.0009	0.0423	0.000132	198	<0.00050	0.00063	0.0625
	31/05/17	0.0011	0.0496	<0.00012	220	<0.00050	0.00049	0.0434
	06/06/17	0.00106	0.0487	<0.00013	211	<0.00050	0.00043	0.0321
	13/06/17	0.00121	0.0605	<0.00011	215	<0.00050	0.00042	0.0305
	20/06/17	0.00129	0.0566	<0.000090	191	<0.00050	0.00029	0.0220
	27/06/17	0.00128	0.056	<0.000090	198	<0.00050	0.00024	0.0174
HAD-3	06/06/17	0.00082	0.0452	0.0000924	202	<0.00050	0.00028	0.0109
	13/06/17	0.00098	0.0568	<0.00011	213	<0.00050	0.00024	0.0104
	20/06/17	0.00104	0.0542	<0.000085	188	<0.00050	0.00017	0.00962
	27/06/17	0.00114	0.0541	<0.000080	197	<0.00050	0.00015	0.00788

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		Iron (Fe)-Total (mg/L)	Lead (Pb)-Total (mg/L)	Lithium (Li)-Total (mg/L)	Magnesium (Mg)-Total (mg/L)	Manganese (Mn)-Total (mg/L)	Mercury (Hg)-Total (mg/L)	Molybdenum (Mo)-Total (mg/L)
E1	04/04/17	0.692	0.000159	0.0209	30.8	0.0652		0.181
E1a	23/05/17	0.144	0.000054	0.0153	25.1	0.0437		0.151
	29/05/17	0.072	<0.000050	0.0152	28.0	0.0268		0.162
	20/06/17	0.266	0.000053	0.0166	26.1	0.0402		0.164
E19	17/04/17	0.326	0.000124	0.0047	30.4	0.109		0.117
	02/05/17	0.328	0.000119	0.0058	31.7	0.0801		0.127
	31/05/17	0.293	0.000102	0.0073	37.3	0.0878		0.15
	06/06/17	0.148	0.000064	0.0065	35.8	0.107		0.151
	13/06/17	0.203	0.000073	0.0094	39	0.0914		0.165
	20/06/17	0.140	0.000052	0.0097	33.0	0.0632		0.155
	27/06/17	0.115	<0.000050	0.0121	34.9	0.0573		0.169
HAD-3	06/06/17	<0.030	<0.000050	0.006	34.3	0.0945		0.14
	13/06/17	<0.030	<0.000050	0.0092	38	0.0796	<0.0000050	0.164
	20/06/17	<0.030	<0.000050	0.0094	33.1	0.0570		0.154
	27/06/17	<0.030	<0.000050	0.012	34.6	0.0498		0.171

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		Nickel (Ni)-Total (mg/L)	Potassium (K)-Total (mg/L)	Selenium (Se)-Total (mg/L)	Silicon (Si)-Total (mg/L)	Silver (Ag)-Total (mg/L)	Sodium (Na)-Total (mg/L)	Strontium (Sr)-Total (mg/L)
E1	04/04/17	0.00103	25.7	0.0328	7.2	<0.000010	89.8	1.87
E1a	23/05/17	0.00074	20.1	0.0328	4.86	<0.000010	75.3	1.63
	29/05/17	0.00065	22.2	0.0340	4.89	<0.000010	77.1	1.65
	20/06/17	0.00089	24.7	0.0315	5.59	<0.000010	79.5	1.54
E19	17/04/17	0.00155	2.3	0.0391	6.47	<0.000010	20.9	1.99
	02/05/17	0.00124	2.4	0.044	6.66	<0.000010	22.3	2.8
	31/05/17	0.00095	3.02	0.0504	7.36	<0.000010	31.9	3.09
	06/06/17	0.00085	2.99	0.0488	5.9	<0.000010	31.3	2.98
	13/06/17	0.00091	7.22	0.0493	6.44	<0.000010	43.8	2.78
	20/06/17	0.00071	9.34	0.0439	5.85	<0.000010	46.8	2.72
	27/06/17	0.00071	11.4	0.043	5.97	<0.000010	55.9	2.8
HAD-3	06/06/17	0.00063	2.92	0.0481	5.92	<0.000010	31.6	2.76
	13/06/17	0.00071	6.95	0.0489	5.82	<0.000010	43	2.77
	20/06/17	0.00061	9.23	0.0453	5.38	<0.000010	46.7	2.70
	27/06/17	0.00065	11.4	0.0434	5.6	<0.000010	55.7	2.79

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		Zinc (Zn)-Total (mg/L)	Diss-Aluminum (Al) (mg/L)	Diss-Antimony (Sb) (mg/L)	Diss-Arsenic (As) (mg/L)	Diss-Barium (Ba) (mg/L)	Diss-Cadmium (Cd) (mg/L)	Diss-Calcium (Ca) (mg/L)
E1	04/04/17	0.0036	0.0243	0.00179	0.00131	0.0713	<0.000025	138
E1a	23/05/17	<0.0030	0.0231	0.00155	0.00133	0.0799	<0.000060	140
	29/05/17	<0.0030	0.0271	0.00155	0.00119	0.0705	0.0000324	147
	20/06/17	0.0053	0.034	0.00164	0.00174	0.0762	<0.000060	133
E19	17/04/17	0.01	0.0299	0.00103	0.00069	0.0385	<0.00012	166
	02/05/17	0.0115	0.0196	0.00106	0.00074	0.0382	0.000127	195
	31/05/17	0.0135	0.0273	0.00148	0.00087	0.0441	<0.00012	210
	06/06/17	0.0114	0.0525	0.00139	0.00093	0.0477	0.000113	210
	13/06/17	0.0085	0.0445	0.00142	0.00099	0.0578	<0.00012	191
	20/06/17	0.0065	0.0577	0.00153	0.00106	0.0558	<0.00010	190
	27/06/17	0.0055	0.0447	0.0016	0.00108	0.0563	<0.00015	188
HAD-3	06/06/17	0.0034	0.349	0.00145	0.00097	0.0498	0.000111	216
	13/06/17	0.0044	0.238	0.00151	0.001	0.0572	<0.00012	194
	20/06/17	0.0059	0.121	0.00156	0.00100	0.0555	<0.00010	191
	27/06/17	0.0038	0.103	0.00157	0.00111	0.0579	0.0000745	190

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IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Chromium (Cr) (mg/L)	Diss-Cobalt (Co) (mg/L)	Diss-Copper (Cu) (mg/L)	Diss-Iron (Fe) (mg/L)	Diss-Lead (Pb) (mg/L)	Diss-Magnesium (Mg) (mg/L)	Diss-Manganese (Mn) (mg/L)
E1	04/04/17	<0.00050	0.00016	0.00255	<0.030	<0.000050	28.6	0.0386
E1a	23/05/17	<0.00050	0.00012	0.00403	<0.030	<0.000050	25.5	0.0093
	29/05/17	<0.00050	<0.00010	0.00333	<0.030	<0.000050	26.8	0.00769
	20/06/17	<0.00050	0.00013	0.00244	<0.030	<0.000050	27.6	0.0347
E19	17/04/17	<0.00050	0.00067	0.0524	<0.030	<0.000050	28.9	0.0958
	02/05/17	<0.00050	0.00039	0.0447	<0.030	<0.000050	31.9	0.0706
	31/05/17	<0.00050	0.00026	0.0261	<0.030	<0.000050	35.6	0.072
	06/06/17	<0.00050	0.0003	0.023	<0.030	<0.000050	37.8	0.104
	13/06/17	<0.00050	0.00023	0.0202	<0.030	<0.000050	36.2	0.0751
	20/06/17	<0.00050	0.00018	0.0145	<0.030	<0.000050	33.7	0.0568
	27/06/17	<0.00050	0.00014	0.0118	<0.030	<0.000050	31.1	0.0481
HAD-3	06/06/17	<0.00050	0.00029	0.00929	<0.030	<0.000050	38	0.102
	13/06/17	<0.00050	0.00024	0.00738	<0.030	<0.000050	38.4	0.0752
	20/06/17	<0.00050	0.00017	0.00559	<0.030	<0.000050	33.8	0.0557
	27/06/17	<0.00050	0.00016	0.00478	<0.030	<0.000050	34.5	0.0504

Monitoring data report for: Permitted CW Quality Site



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Molybdenum (Mo) (mg/L)	Diss-Nickel (Ni) (mg/L)	Diss-Potassium (K) (mg/L)	Diss-Selenium (mg/L)	Diss-Silicon (Si) (mg/L)	Diss-Silver (Ag) (mg/L)	Diss-Sodium (Na) (mg/L)
E1	04/04/17	0.168	0.00058	23.6	0.0327	3.9	<0.000010	79.4
E1a	23/05/17	0.155	0.00065	21.8	0.0319	4.4	<0.000010	77.6
	29/05/17	0.158	0.00054	21.4	0.0308	4.30	<0.000010	72.3
	20/06/17	0.162	0.00091	26.2	0.0341	5.1	<0.000010	87.4
E19	17/04/17	0.109	0.00115	2.19	0.0377	5.37	<0.000010	20.1
	02/05/17	0.121	0.00086	2.42	0.0442	5.64	<0.000010	22.4
	31/05/17	0.141	0.00063	2.84	0.0505	6.17	<0.000010	30.5
	06/06/17	0.149	0.00077	2.88	0.0459	5.65	<0.000010	33
	13/06/17	0.155	0.00061	6.31	0.0478	5.54	<0.000010	39.6
	20/06/17	0.148	0.00057	9.34	0.0442	5.86	<0.000010	47.7
	27/06/17	0.157	0.00058	11.1	0.0442	5.79	<0.000010	52.6
HAD-3	06/06/17	0.154	0.0007	3	0.0475	5.68	<0.000010	33.7
	13/06/17	0.159	0.00065	7.23	0.0511	5.54	<0.000010	41.4
	20/06/17	0.152	0.00058	9.52	0.0441	5.61	<0.000010	48.0
	27/06/17	0.159	0.00056	12	0.0422	5.45	<0.000010	55

Monitoring data report for: Permitted CW Quality Site



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Strontium (Sr) (mg/L)	Diss-Zinc (Zn) (mg/L)	Diss-Vanadium (V) (mg/L)	Vanadium (V)-Total (mg/L)	Diss-Lithium (Li) (mg/L)
E1	04/04/17	1.72	<0.0030	0.00122	0.00408	0.0187
E1a	23/05/17	1.63	<0.0030	0.00133	0.00183	0.0159
	29/05/17	1.66	<0.0030	0.00141	0.00180	0.0163
	20/06/17	1.49	0.0037	0.00156	0.00242	0.0184
E19	17/04/17	1.91	0.0076	0.00111	0.00218	0.0042
	02/05/17	2.74	0.0071	0.00109	0.00209	0.0053
	31/05/17	3	0.0099	0.00104	0.00205	0.0065
	06/06/17	2.92	0.0092	0.00125	0.00162	0.007
	13/06/17	2.79	0.0051	0.00119	0.002	0.008
	20/06/17	2.69	0.0045	0.00131	0.00175	0.0102
	27/06/17	2.57	0.0046	0.00136	0.00179	0.0113
HAD-3	06/06/17	2.97	0.003	0.0011	0.00112	0.0069
	13/06/17	2.87	0.0032	0.00117	0.00124	0.0082
	20/06/17	2.73	<0.0030	0.00113	0.00121	0.0103
	27/06/17	2.65	<0.0030	0.00121	0.00138	0.0115

Monitoring data report for: Bootjack Lake



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Conductivity (µs/cm)	Hardness (mg/L)	pH (pH)	TDS (mg/L)	TSS (mg/L)	NTU (ntu)	Alkalinity (CaCO ₃) (mg/L)
B1-B	25/05/17	96.5	41.8	7.72	68	1.5	1.2	42.3
B1-S	25/05/17	94.6	42.4	7.82	71	<1.0	0.49	41.3
B1-10	25/05/17	95.2	42.4	7.76	72	1.5	0.54	41.3
B1-5	25/05/17	94.6	42.1	7.79	74	1.2	0.64	42.1
B2-B	25/05/17	94	41.7	7.74	75	2.1	1.07	42.2
B2-S	25/05/17	94.8	42.8	7.76	77	3.2	0.5	41.5
B2-10	25/05/17	95.3	42.3	7.77	76	2.4	0.85	41.4
B2-5	25/05/17	94.3	42.3	7.8	71	2	0.56	42.2

Monitoring data report for: Bootjack Lake



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Ammonia (as N) (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate (N) (mg/L)	Nitrate and Nitrite (mg/L)	Nitrite (N) (mg/L)	Diss-Orthophosphate (mg/L)
B1-B	25/05/17	0.0104	1.05	0.054	<0.0050	<0.0051	<0.0010	0.0015
B1-S	25/05/17	<0.0050	1.01	0.055	<0.0050	<0.0051	<0.0010	<0.0010
B1-10	25/05/17	0.0054	1.03	0.055	<0.0050	<0.0051	<0.0010	<0.0010
B1-5	25/05/17	<0.0050	1.02	0.056	<0.0050	<0.0051	<0.0010	<0.0010
B2-B	25/05/17	0.0135	1.03	0.056	<0.0050	<0.0051	<0.0010	0.0027
B2-S	25/05/17	<0.0050	1.02	0.054	<0.0050	<0.0051	<0.0010	<0.0010
B2-10	25/05/17	<0.0050	1.02	0.054	<0.0050	<0.0051	<0.0010	<0.0010
B2-5	25/05/17	0.005	1.02	0.054	<0.0050	<0.0051	<0.0010	<0.0010

Monitoring data report for: Bootjack Lake



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Phosphorus (mg/L)	Total Phosphorus (mg/L)	Sulphate (mg/L)	Total Nitrogen (mg/L)	Dissolved Organic Ca (mg/L)	Aluminum (Al)-Total (mg/L)	Antimony (Sb)-Total (mg/L)
B1-B	25/05/17	0.0066	0.0123	4.59	0.292	5.56	0.021	<0.00010
B1-S	25/05/17	0.0047	0.0049	4.4	0.255	5.6	0.016	0.00011
B1-10	25/05/17	0.005	0.0118	4.47	0.317	5.71	0.0158	<0.00010
B1-5	25/05/17	0.0051	0.013	4.42	0.281	5.76	0.0145	0.00011
B2-B	25/05/17	0.0064	0.0116	4.4	0.289	5.62	0.0228	0.00011
B2-S	25/05/17	0.0047	0.0064	4.4	0.262	5.29	0.019	0.00011
B2-10	25/05/17	0.0047	0.0116	4.37	0.282	5.66	0.0191	0.00011
B2-5	25/05/17	0.005	0.0139	4.4	0.275	5.65	0.0187	<0.00010

Monitoring data report for: Bootjack Lake



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Arsenic (As)-Total (mg/L)	Barium (Ba)-Total (mg/L)	Cadmium (Cd)-Total (mg/L)	Calcium (Ca)-Total (mg/L)	Chromium (Cr)-Total (mg/L)	Cobalt (Co)-Total (mg/L)	Copper (Cu)-Total (mg/L)
B1-B	25/05/17	0.00028	0.0166	<0.0000050	12.4	<0.00050	<0.00010	0.00189
B1-S	25/05/17	0.0003	0.0173	<0.0000050	12.8	<0.00050	<0.00010	0.0022
B1-10	25/05/17	0.00024	0.0161	<0.0000050	12.2	<0.00050	<0.00010	0.00182
B1-5	25/05/17	0.00026	0.0157	<0.0000050	12.2	<0.00050	<0.00010	0.00195
B2-B	25/05/17	0.0003	0.0173	<0.0000050	12.7	<0.00050	<0.00010	0.00189
B2-S	25/05/17	0.00028	0.017	<0.0000050	13.6	<0.00050	<0.00010	0.00195
B2-10	25/05/17	0.00031	0.0177	<0.0000050	12.9	<0.00050	<0.00010	0.00246
B2-5	25/05/17	0.00027	0.0152	<0.0000050	12	<0.00050	<0.00010	0.00184

Monitoring data report for: Bootjack Lake



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Iron (Fe)-Total (mg/L)	Lead (Pb)-Total (mg/L)	Lithium (Li)-Total (mg/L)	Magnesium (Mg)-Total (mg/L)	Manganese (Mn)-Total (mg/L)	Molybdenum (Mo) -Total (mg/L)	Nickel (Ni)-Total (mg/L)
B1-B	25/05/17	0.098	0.00008	<0.0010	2.16	0.0281	0.000775	<0.00050
B1-S	25/05/17	0.041	<0.000050	<0.0010	2.46	0.0121	0.000929	<0.00050
B1-10	25/05/17	0.083	0.000081	<0.0010	2.15	0.015	0.0008	<0.00050
B1-5	25/05/17	0.053	0.000099	<0.0010	2.18	0.0111	0.00078	<0.00050
B2-B	25/05/17	0.089	0.000072	<0.0010	2.48	0.0416	0.00084	<0.00050
B2-S	25/05/17	0.038	<0.000050	<0.0010	2.49	0.0123	0.000943	<0.00050
B2-10	25/05/17	0.08	0.000105	<0.0010	2.5	0.0161	0.000885	<0.00050
B2-5	25/05/17	0.039	0.00013	<0.0010	2.15	0.0121	0.000788	<0.00050

Monitoring data report for: Bootjack Lake



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Potassium (K)-Total (mg/L)	Selenium (Se)-Total (mg/L)	Silicon (Si)-Total (mg/L)	Silver (Ag)-Total (mg/L)	Sodium (Na)-Total (mg/L)	Vanadium (V)-Total (mg/L)	Zinc (Zn)-Total (mg/L)
B1-B	25/05/17	0.417	0.000114	1.23	<0.000010	2.22	<0.00050	<0.0030
B1-S	25/05/17	0.446	0.000124	0.9	<0.000010	2.42	<0.00050	<0.0030
B1-10	25/05/17	0.418	0.000106	0.98	<0.000010	2.21	<0.00050	<0.0030
B1-5	25/05/17	0.418	0.000092	0.9	<0.000010	2.22	<0.00050	<0.0030
B2-B	25/05/17	0.45	0.000162	1.27	<0.000010	2.42	<0.00050	<0.0030
B2-S	25/05/17	0.45	0.000146	0.9	<0.000010	2.4	<0.00050	<0.0030
B2-10	25/05/17	0.449	0.000123	1.02	<0.000010	2.44	<0.00050	<0.0030
B2-5	25/05/17	0.412	0.000115	0.81	<0.000010	2.19	<0.00050	<0.0030

Monitoring data report for: Bootjack Lake



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Aluminum (Al) (mg/L)	Diss-Antimony (Sb) (mg/L)	Diss-Arsenic (As) (mg/L)	Diss-Barium (Ba) (mg/L)	Diss-Cadmium (Cd) (mg/L)	Diss-Calcium (Ca) (mg/L)	Diss-Chromium (Cr) (mg/L)
B1-B	25/05/17	<0.0030	<0.00010	0.00023	0.0167	<0.0000050	12.9	<0.00050
B1-S	25/05/17	0.0031	<0.00010	0.00024	0.0162	<0.0000050	13.1	<0.00050
B1-10	25/05/17	<0.0030	<0.00010	0.00023	0.0166	<0.0000050	13.1	<0.00050
B1-5	25/05/17	0.0035	<0.00010	0.00026	0.0163	<0.0000050	13	<0.00050
B2-B	25/05/17	0.0037	<0.00010	0.00026	0.0166	<0.0000050	12.9	<0.00050
B2-S	25/05/17	0.0038	<0.00010	0.00027	0.0167	<0.0000050	13.2	<0.00050
B2-10	25/05/17	<0.0030	<0.00010	0.00026	0.0164	<0.0000050	13.1	<0.00050
B2-5	25/05/17	0.004	<0.00010	0.00026	0.0165	<0.0000050	13.1	<0.00050

Monitoring data report for: Bootjack Lake



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Cobalt (Co) (mg/L)	Diss-Copper (Cu) (mg/L)	Diss-Iron (Fe) (mg/L)	Diss-Lead (Pb) (mg/L)	Diss-Lithium (Li) (mg/L)	Diss-Magnesium (Mg) (mg/L)	Diss-Manganese (Mn) (mg/L)
B1-B	25/05/17	<0.00010	0.00207	<0.030	<0.000050	<0.0010	2.34	0.00142
B1-S	25/05/17	<0.00010	0.00161	<0.030	<0.000050	<0.0010	2.34	0.00026
B1-10	25/05/17	<0.00010	0.00162	<0.030	<0.000050	<0.0010	2.35	0.00017
B1-5	25/05/17	<0.00010	0.0017	<0.030	<0.000050	<0.0010	2.33	0.00071
B2-B	25/05/17	<0.00010	0.0015	<0.030	<0.000050	<0.0010	2.29	0.00237
B2-S	25/05/17	<0.00010	0.00167	<0.030	<0.000050	<0.0010	2.38	0.0003
B2-10	25/05/17	<0.00010	0.00172	<0.030	<0.000050	<0.0010	2.32	0.00047
B2-5	25/05/17	<0.00010	0.00165	<0.030	<0.000050	<0.0010	2.33	0.00054

Monitoring data report for: Bootjack Lake



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Molybdenum (Mo) (mg/L)	Diss-Nickel (Ni) (mg/L)	Diss-Potassium (K) (mg/L)	Diss-Selenium (mg/L)	Diss-Silicon (Si) (mg/L)	Diss-Silver (Ag) (mg/L)	Diss-Sodium (Na) (mg/L)
B1-B	25/05/17	0.000786	<0.00050	0.455	0.0001	1.19	<0.000010	2.36
B1-S	25/05/17	0.000794	<0.00050	0.455	0.000101	0.814	<0.000010	2.36
B1-10	25/05/17	0.000812	<0.00050	0.458	0.000095	0.921	<0.000010	2.4
B1-5	25/05/17	0.000791	<0.00050	0.456	0.000095	0.86	<0.000010	2.37
B2-B	25/05/17	0.000787	<0.00050	0.455	0.000114	1.12	<0.000010	2.34
B2-S	25/05/17	0.000805	<0.00050	0.469	0.00011	0.793	<0.000010	2.43
B2-10	25/05/17	0.000797	<0.00050	0.456	0.000101	0.862	<0.000010	2.37
B2-5	25/05/17	0.000802	<0.00050	0.456	0.000105	0.776	<0.000010	2.39

Monitoring data report for: Bootjack Lake



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Vanadium (V) (mg/L)	Diss-Zinc (Zn) (mg/L)
B1-B	25/05/17	<0.00050	<0.0030
B1-S	25/05/17	<0.00050	<0.0030
B1-10	25/05/17	<0.00050	<0.0030
B1-5	25/05/17	<0.00050	<0.0030
B2-B	25/05/17	<0.00050	<0.0030
B2-S	25/05/17	<0.00050	<0.0030
B2-10	25/05/17	<0.00050	<0.0030
B2-5	25/05/17	<0.00050	<0.0030

Monitoring data report for: Polley Lake



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Conductivity (µs/cm)	Hardness (mg/L)	pH (pH)	TDS (mg/L)	TSS (mg/L)	NTU (ntu)	Alkalinity (CaCO ₃) (mg/L)
P1-S	03/05/17	279	117	8.13	194	11.4	1.34	99.3
	18/06/17	273	122	8.23	188	<1.0	0.35	97.2
	28/06/17	275	120	8.21	192	<1.0	0.35	94.7
P1-10	03/05/17	276	120	8.2	219	4.2	1.41	99.7
	18/06/17	275	125	8.19	181	<1.0	0.48	96.8
	28/06/17	276	121	8.09	181	<1.0	0.4	96.9
P1-5	18/06/17	274	122	8.23	184	<1.0	0.48	98.3
	28/06/17	276	121	8.2	195	<1.0	0.38	98.3
P1-15	18/06/17	277	128	8.14	188	<1.0	0.52	99.5
	28/06/17	279	121	8.06	193	<1.0	0.43	98
P1-20	03/05/17	278	117	8.2	185	9.4	1.44	99.3
	18/06/17	277	126	8.12	186	<1.0	0.53	99.1
	28/06/17	279	123	8.05	191	<1.0	0.55	98
P1-25	18/06/17	278	124	8.09	187	<1.0	0.53	100
	28/06/17	267	119	8.23	186	<1.0	0.3	97.7
P1-B	03/05/17	280	120	8.21	212	4.1	2.08	103
	18/06/17	282	129	8.06	186	<1.0	0.83	102
	28/06/17	280	123	8.04	194	1.3	1.07	98.6
P2-S	03/05/17	285	123	8.17	198	4.3	1.96	105
	18/06/17	276	119	8.25	172	<1.0	0.41	97.5
	28/06/17	272	119	8.23	183	<1.0	0.37	97
P2-5	18/06/17	276	119	8.22	168	<1.0	0.41	97

Printed Date: 10-Aug-2017

Monitoring data report for: Polley Lake



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Ammonia (as N) (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate (N) (mg/L)	Nitrate and Nitrite (mg/L)	Nitrite (N) (mg/L)	Diss-Orthophosphate (mg/L)
P1-S	03/05/17	<0.0050	1.15	0.08	<0.0050	<0.0051	<0.0010	0.0013
	18/06/17	<0.0050	1.18	0.081	<0.0050	<0.0051	<0.0010	<0.0010
	28/06/17	<0.0050	1.2	0.084	<0.0050	<0.0051	<0.0010	<0.0010
P1-10	03/05/17	<0.0050	1.17	0.08	<0.0050	<0.0051	<0.0010	0.0021
	18/06/17	<0.0050	1.19	0.079	<0.0050	<0.0051	<0.0010	0.0015
	28/06/17	<0.0050	1.22	0.084	<0.0050	<0.0051	<0.0010	0.0011
P1-5	18/06/17	<0.0050	1.18	0.082	<0.0050	<0.0051	<0.0010	<0.0010
	28/06/17	<0.0050	1.19	0.083	<0.0050	<0.0051	<0.0010	<0.0010
P1-15	18/06/17	<0.0050	1.21	0.078	0.0191	0.0191	<0.0010	0.009
	28/06/17	<0.0050	1.24	0.084	0.067	0.067	<0.0010	0.0131
P1-20	03/05/17	<0.0050	1.17	0.079	0.0141	0.0141	<0.0010	0.0039
	18/06/17	0.0075	1.22	0.082	0.0378	0.0378	<0.0010	0.0104
	28/06/17	<0.0050	1.25	0.085	0.0999	0.0999	<0.0010	0.017
P1-25	18/06/17	0.0074	1.23	0.082	0.0629	0.0647	0.0018	0.0161
	28/06/17	<0.0050	1.2	0.084	<0.0050	<0.0051	<0.0010	0.0014
P1-B	03/05/17	0.0061	1.17	0.082	0.0263	0.0263	<0.0010	0.0058
	18/06/17	<0.0050	1.24	0.082	0.118	0.118	<0.0010	0.0227
	28/06/17	<0.0050	1.26	0.085	0.13	0.13	<0.0010	0.0209
P2-S	03/05/17	0.0091	1.2	0.083	0.0692	0.0712	0.002	0.013
	18/06/17	<0.0050	1.16	0.085	<0.0050	<0.0051	<0.0010	<0.0010
	28/06/17	<0.0050	1.2	0.083	<0.0050	<0.0051	<0.0010	0.0011
P2-5	18/06/17	<0.0050	1.16	0.08	<0.0050	<0.0051	<0.0010	<0.0010

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		Diss-Phosphorus (mg/L)	Total Phosphorus (mg/L)	Sulphate (mg/L)	Total Nitrogen (mg/L)	Dissolved Organic Ca (mg/L)	Aluminum (Al)-Total (mg/L)	Antimony (Sb)-Total (mg/L)
P1-S	03/05/17	0.0061	0.0222	43	0.334	5.91	0.0591	0.00012
	18/06/17	0.0031	0.0074	43.5	0.274	5.54	0.0118	<0.00010
	28/06/17	0.0055	0.0049	43.8	0.3	6.12	0.0787	0.00019
P1-10	03/05/17	0.0071	0.0197	43.3	0.342	5.97	0.069	0.00011
	18/06/17	0.0043	0.0156	43.5	0.3	5.29	0.0133	<0.00010
	28/06/17	0.0072	0.0058	44	0.272	6	0.0121	0.00012
P1-5	18/06/17	0.0044	0.009	43.4	0.384	5.47	0.0125	<0.00010
	28/06/17	0.0056	0.0075	43.7	0.28	6.12	0.0117	0.00012
P1-15	18/06/17	0.012	0.0139	44.1	0.289	5.74	0.0135	0.0001
	28/06/17	0.0206	0.0611	44.6	0.327	5.89	0.0185	0.00012
P1-20	03/05/17	0.0092	0.0187	43.4	0.322	5.93	0.0752	0.00015
	18/06/17	0.0128	0.0201	44.4	0.319	5.8	0.0143	0.0001
	28/06/17	0.0263	0.029	44.9	0.352	5.91	0.0254	0.00012
P1-25	18/06/17	0.0197	0.0204	44.5	0.329	5.73	0.0145	<0.00010
	28/06/17	0.0063	0.01	43.7	0.27	6.06	0.0107	0.00011
P1-B	03/05/17	0.012	0.0217	43.6	0.339	5.81	0.124	0.00012
	18/06/17	0.0277	0.0321	44.9	0.381	5.66	0.0297	<0.00010
	28/06/17	0.0299	0.035	45	0.386	5.98	0.0329	0.00012
P2-S	03/05/17	0.0174	0.0244	44.5	0.354	5.83	0.103	0.00012
	18/06/17	0.0042	0.0049	43.2	0.368	5.44	0.011	0.0001
	28/06/17	0.0057	0.0047	43.8	0.283	6.04	0.0148	0.00013
P2-5	18/06/17	0.0048	0.0129	43.3	0.288	5.42	0.0148	0.00013

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		Arsenic (As)-Total (mg/L)	Barium (Ba)-Total (mg/L)	Cadmium (Cd)-Total (mg/L)	Calcium (Ca)-Total (mg/L)	Chromium (Cr)-Total (mg/L)	Cobalt (Co)-Total (mg/L)	Copper (Cu)-Total (mg/L)
P1-S	03/05/17	0.00079	0.0111	<0.0000050	38.6	<0.00050	<0.00010	0.00419
	18/06/17	0.00063	0.00928	<0.0000050	37.2	<0.00050	<0.00010	0.0034
	28/06/17	0.00079	0.0119	0.0000069	37.3	<0.00050	<0.00010	0.00631
P1-10	03/05/17	0.00078	0.0109	<0.0000050	38	<0.00050	<0.00010	0.00433
	18/06/17	0.00066	0.00944	<0.0000050	37.5	<0.00050	<0.00010	0.00332
	28/06/17	0.00071	0.0101	<0.0000050	37	<0.00050	<0.00010	0.00338
P1-5	18/06/17	0.00067	0.00965	<0.0000050	37.8	<0.00050	<0.00010	0.00357
	28/06/17	0.00066	0.00998	<0.0000050	37	<0.00050	<0.00010	0.00345
P1-15	18/06/17	0.00067	0.00952	<0.0000050	38.1	<0.00050	<0.00010	0.00336
	28/06/17	0.00076	0.0102	<0.0000050	37.6	<0.00050	<0.00010	0.00346
P1-20	03/05/17	0.00078	0.013	<0.0000050	37.7	0.00094	<0.00010	0.00508
	18/06/17	0.00068	0.00961	<0.0000050	37.9	<0.00050	<0.00010	0.00336
	28/06/17	0.00069	0.0103	<0.0000050	37.5	<0.00050	<0.00010	0.00355
P1-25	18/06/17	0.00069	0.00987	<0.0000050	38.5	<0.00050	<0.00010	0.00334
	28/06/17	0.00064	0.00947	<0.0000050	36.7	<0.00050	<0.00010	0.00336
P1-B	03/05/17	0.00081	0.0119	<0.0000050	38.8	<0.00050	<0.00010	0.00514
	18/06/17	0.00076	0.0105	<0.0000050	38.8	<0.00050	<0.00010	0.00455
	28/06/17	0.00072	0.0105	<0.0000050	38.3	<0.00050	<0.00010	0.00379
P2-S	03/05/17	0.00079	0.0118	<0.0000050	40	<0.00050	<0.00010	0.00503
	18/06/17	0.00065	0.00929	<0.0000050	37.4	<0.00050	<0.00010	0.00315
	28/06/17	0.00073	0.00999	<0.0000050	37.6	<0.00050	<0.00010	0.00372
P2-5	18/06/17	0.0007	0.00997	<0.0000050	38.4	<0.00050	<0.00010	0.00353

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		Iron (Fe)-Total (mg/L)	Lead (Pb)-Total (mg/L)	Lithium (Li)-Total (mg/L)	Magnesium (Mg)-Total (mg/L)	Manganese (Mn)-Total (mg/L)	Molybdenum (Mo)-Total (mg/L)	Nickel (Ni)-Total (mg/L)
P1-S	03/05/17	0.038	<0.000050	<0.0010	5.69	0.0159	0.00892	<0.00050
	18/06/17	<0.030	<0.000050	<0.0010	5.5	0.00516	0.00864	<0.00050
	28/06/17	0.056	0.000061	<0.0010	4.97	0.00719	0.00882	<0.00050
P1-10	03/05/17	0.042	0.000145	<0.0010	5.62	0.0185	0.00885	<0.00050
	18/06/17	<0.030	0.000062	<0.0010	5.58	0.00435	0.00856	<0.00050
	28/06/17	<0.030	0.000237	<0.0010	4.9	0.00336	0.00888	<0.00050
P1-5	18/06/17	<0.030	0.000204	<0.0010	5.65	0.00573	0.00866	<0.00050
	28/06/17	<0.030	0.000497	<0.0010		0.00587	0.00884	<0.00050
P1-15	18/06/17	<0.030	0.000052	<0.0010	5.59	0.00372	0.00868	<0.00050
	28/06/17	<0.030	0.000141	<0.0010	4.93	0.00636	0.00891	<0.00050
P1-20	03/05/17	0.07	0.000091	<0.0010	5.6	0.0206	0.00911	<0.00050
	18/06/17	<0.030	0.000057	<0.0010	5.5	0.00449	0.00863	<0.00050
	28/06/17	<0.030	0.000145	<0.0010	4.94	0.0094	0.00892	<0.00050
P1-25	18/06/17	<0.030	<0.000050	<0.0010	5.61	0.00483	0.00883	<0.00050
	28/06/17	<0.030	0.000176	<0.0010	4.77	0.00543	0.00889	<0.00050
P1-B	03/05/17	0.065	0.000085	<0.0010	5.69	0.0267	0.00915	<0.00050
	18/06/17	<0.030	<0.000050	<0.0010	5.79	0.0268	0.00895	<0.00050
	28/06/17	<0.030	0.000225	<0.0010	4.94	0.0339	0.00898	<0.00050
P2-S	03/05/17	0.061	<0.000050	<0.0010	5.88	0.031	0.00936	<0.00050
	18/06/17	<0.030	<0.000050	<0.0010	5.56	0.00553	0.00853	<0.00050
	28/06/17	<0.030	<0.000050	<0.0010	5.13	0.00623	0.00883	<0.00050
P2-5	18/06/17	<0.030	0.000283	<0.0010	6.08	0.00623	0.00884	<0.00050

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		Potassium (K)-Total (mg/L)	Selenium (Se)-Total (mg/L)	Silicon (Si)-Total (mg/L)	Silver (Ag)-Total (mg/L)	Sodium (Na)-Total (mg/L)	Vanadium (V)-Total (mg/L)	Zinc (Zn)-Total (mg/L)
P1-S	03/05/17	1.28	0.000629	2.88	<0.000010	8.91	0.00105	<0.0030
	18/06/17	1.12	0.000492	2.09	<0.000010	8.25	0.00086	<0.0030
	28/06/17	1.2	0.000566	2.17	<0.000010	8.51	0.00102	<0.0030
P1-10	03/05/17	1.27	0.000618	2.85	<0.000010	8.75	0.00107	<0.0030
	18/06/17	1.15	0.00058	2.24	<0.000010	8.52	0.00084	<0.0030
	28/06/17	1.16	0.000525	2.41	<0.000010	8.43	0.00083	<0.0030
P1-5	18/06/17	1.16	0.000592	2.17	<0.000010	8.5	0.00085	<0.0030
	28/06/17	1.17	0.000566	2.07	<0.000010	8.42	0.00089	<0.0030
P1-15	18/06/17	1.17	0.000546	2.47	<0.000010	8.59	0.00085	<0.0030
	28/06/17	1.18	0.000583	2.67	<0.000010	8.51	0.00082	<0.0030
P1-20	03/05/17	1.26	0.000588	3.42	<0.000010	8.76	0.001	<0.0030
	18/06/17	1.16	0.00056	2.53	<0.000010	8.43	0.00084	<0.0030
	28/06/17	1.2	0.000603	2.78	<0.000010	8.57	0.00086	0.0039
P1-25	18/06/17	1.2	0.000565	2.71	<0.000010	8.75	0.00085	<0.0030
	28/06/17	1.12	0.00049	2.04	<0.000010	8.26	0.00083	<0.0030
P1-B	03/05/17	1.3	0.000613	3.01	<0.000010	8.97	0.00114	<0.0030
	18/06/17	1.25	0.0006	3.1	<0.000010	9	0.00094	<0.0030
	28/06/17	1.2	0.000504	2.96	<0.000010	8.56	0.00093	<0.0030
P2-S	03/05/17	1.34	0.000611	3.14	<0.000010	9.21	0.00111	<0.0030
	18/06/17	1.12	0.000514	2.16	<0.000010	8.19	0.00087	<0.0030
	28/06/17	1.2	0.000605	2.03	<0.000010	8.78	0.00091	<0.0030
P2-5	18/06/17	1.21	0.000557	2.2	<0.000010	8.87	0.00091	<0.0030

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		Diss-Aluminum (Al) (mg/L)	Diss-Antimony (Sb) (mg/L)	Diss-Arsenic (As) (mg/L)	Diss-Barium (Ba) (mg/L)	Diss-Cadmium (Cd) (mg/L)	Diss-Calcium (Ca) (mg/L)	Diss-Chromium (Cr) (mg/L)
P1-S	03/05/17	0.0049	0.00012	0.00073	0.00948	<0.0000050	37.7	<0.00050
	18/06/17	<0.0030	<0.00010	0.00072	0.0101	<0.0000050	39.4	<0.00050
	28/06/17	<0.0030	<0.00010	0.0007	0.0101	<0.0000050	38.6	<0.00050
P1-10	03/05/17	0.0046	0.00012	0.00072	0.00952	<0.0000050	39	<0.00050
	18/06/17	<0.0030	<0.00010	0.00073	0.0106	<0.0000050	40.2	<0.00050
	28/06/17	<0.0030	<0.00010	0.00074	0.0104	<0.0000050	39.1	<0.00050
P1-5	18/06/17	<0.0030	<0.00010	0.00072	0.0102	<0.0000050	39.3	<0.00050
	28/06/17	<0.0030	<0.00010	0.00077	0.0112	<0.0000050	38.3	<0.00050
P1-15	18/06/17	<0.0030	<0.00010	0.00074	0.0108	<0.0000050	41.4	<0.00050
	28/06/17	<0.0030	<0.00010	0.00072	0.0102	<0.0000050	39.3	<0.00050
P1-20	03/05/17	0.0048	0.00011	0.00074	0.00968	<0.0000050	37.7	<0.00050
	18/06/17	<0.0030	<0.00010	0.00069	0.0106	<0.0000050	40.5	<0.00050
	28/06/17	<0.0030	<0.00010	0.00073	0.0105	<0.0000050	39.9	<0.00050
P1-25	18/06/17	<0.0030	<0.00010	0.00075	0.0102	<0.0000050	40.2	<0.00050
	28/06/17	<0.0030	<0.00010	0.00068	0.00989	<0.0000050	38.5	<0.00050
P1-B	03/05/17	0.0046	0.00011	0.00074	0.00973	<0.0000050	38.7	<0.00050
	18/06/17	<0.0030	<0.00010	0.00074	0.0109	<0.0000050	41.6	<0.00050
	28/06/17	0.0056	<0.00010	0.00074	0.0103	<0.0000050	39.8	<0.00050
P2-S	03/05/17	0.0044	0.00011	0.00075	0.00974	<0.0000050	39.9	<0.00050
	18/06/17	<0.0030	<0.00010	0.00071	0.00972	<0.0000050	38.4	<0.00050
	28/06/17	0.0037	<0.00010	0.00068	0.01	<0.0000050	38.7	<0.00050
P2-5	18/06/17	<0.0030	<0.00010	0.00069	0.00974	<0.0000050	38.1	<0.00050

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		Diss-Cobalt (Co) (mg/L)	Diss-Copper (Cu) (mg/L)	Diss-Iron (Fe) (mg/L)	Diss-Lead (Pb) (mg/L)	Diss-Lithium (Li) (mg/L)	Diss-Magnesium (Mg) (mg/L)	Diss-Manganese (Mn) (mg/L)
P1-S	03/05/17	<0.00010	0.0031	<0.030	<0.000050	0.0011	5.53	0.00602
	18/06/17	<0.00010	0.00327	<0.030	<0.000050	<0.0010	5.72	0.00424
	28/06/17	<0.00010	0.00337	<0.030	<0.000050	<0.0010	5.71	0.00484
P1-10	03/05/17	<0.00010	0.00335	<0.030	0.000294	0.001	5.43	0.0067
	18/06/17	<0.00010	0.00344	<0.030	0.000128	<0.0010	5.9	0.0024
	28/06/17	<0.00010	0.00348	<0.030	0.000319	<0.0010	5.67	0.00201
P1-5	18/06/17	<0.00010	0.00364	<0.030	0.000132	<0.0010	5.75	0.00378
	28/06/17	<0.00010	0.00383	<0.030	0.000476	<0.0010	6.16	0.00471
P1-15	18/06/17	<0.00010	0.00327	<0.030	0.000079	<0.0010	5.96	0.0011
	28/06/17	<0.00010	0.00324	<0.030	0.000197	<0.0010	5.59	0.00171
P1-20	03/05/17	<0.00010	0.00314	<0.030	0.000154	<0.0010	5.61	0.00705
	18/06/17	<0.00010	0.00342	<0.030	0.000073	<0.0010	5.93	0.00151
	28/06/17	<0.00010	0.00343	<0.030	0.000175	<0.0010	5.77	0.00084
P1-25	18/06/17	<0.00010	0.00316	<0.030	0.000055	<0.0010	5.8	0.00059
	28/06/17	<0.00010	0.00335	<0.030	0.000258	<0.0010	5.45	0.00435
P1-B	03/05/17	<0.00010	0.00305	<0.030	0.000121	<0.0010	5.66	0.0105
	18/06/17	<0.00010	0.00332	<0.030	0.000058	<0.0010	6.07	0.00474
	28/06/17	<0.00010	0.00341	<0.030	0.000309	<0.0010	5.65	0.00258
P2-S	03/05/17	<0.00010	0.0031	<0.030	<0.000050	<0.0010	5.59	0.00383
	18/06/17	<0.00010	0.00322	<0.030	<0.000050	<0.0010	5.73	0.00373
	28/06/17	<0.00010	0.00328	<0.030	<0.000050	<0.0010	5.46	0.00517
P2-5	18/06/17	<0.00010	0.00331	<0.030	0.000307	<0.0010	5.82	0.0035

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		Diss-Molybdenum (Mo) (mg/L)	Diss-Nickel (Ni) (mg/L)	Diss-Potassium (K) (mg/L)	Diss-Selenium (mg/L)	Diss-Silicon (Si) (mg/L)	Diss-Silver (Ag) (mg/L)	Diss-Sodium (Na) (mg/L)
P1-S	03/05/17	0.00899	<0.00050	1.22	0.000557	2.62	<0.000010	8.97
	18/06/17	0.00804	<0.00050	1.23	0.000537	2.3	<0.000010	8.97
	28/06/17	0.00876	<0.00050	1.27	0.000532	2.11	<0.000010	9.05
P1-10	03/05/17	0.0088	<0.00050	1.18	0.000555	2.58	<0.000010	8.6
	18/06/17	0.00821	<0.00050	1.26	0.000526	2.41	<0.000010	9.25
	28/06/17	0.00872	<0.00050	1.29	0.000605	2.46	<0.000010	9.21
P1-5	18/06/17	0.00812	<0.00050	1.22	0.000514	2.28	<0.000010	8.96
	28/06/17	0.00862	<0.00050	1.39	0.000595	2.14	<0.000010	9.92
P1-15	18/06/17	0.00818	<0.00050	1.28	0.000584	2.61	<0.000010	9.29
	28/06/17	0.00864	<0.00050	1.28	0.000565	2.75	<0.000010	9.06
P1-20	03/05/17	0.00883	<0.00050	1.21	0.00061	2.71	<0.000010	8.94
	18/06/17	0.00822	<0.00050	1.27	0.00061	2.74	<0.000010	9.22
	28/06/17	0.0088	<0.00050	1.29	0.000522	2.92	<0.000010	9.2
P1-25	18/06/17	0.00818	<0.00050	1.25	0.000587	2.89	<0.000010	9.1
	28/06/17	0.00857	<0.00050	1.21	0.000593	2.06	<0.000010	8.74
P1-B	03/05/17	0.00878	<0.00050	1.24	0.000562	2.76	<0.000010	9.38
	18/06/17	0.00826	<0.00050	1.3	0.000603	3.22	<0.000010	9.42
	28/06/17	0.00881	<0.00050	1.3	0.000502	3.09	<0.000010	9.17
P2-S	03/05/17	0.00887	<0.00050	1.24	0.000624	2.8	<0.000010	9.13
	18/06/17	0.0086	<0.00050	1.23	0.00057	2.06	<0.000010	9.41
	28/06/17	0.00867	<0.00050	1.22	0.000506	2.08	<0.000010	8.8
P2-5	18/06/17	0.00865	<0.00050	1.23	0.000558	2.19	<0.000010	9.32

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Mining Corporation
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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Vanadium (V) (mg/L)	Diss-Zinc (Zn) (mg/L)
P1-S	03/05/17	0.00078	<0.0030
	18/06/17	0.00085	<0.0030
	28/06/17	0.00086	<0.0030
P1-10	03/05/17	0.00075	<0.0030
	18/06/17	0.00085	<0.0030
	28/06/17	0.00082	<0.0030
P1-5	18/06/17	0.00082	<0.0030
	28/06/17	0.00095	<0.0030
P1-15	18/06/17	0.00081	<0.0030
	28/06/17	0.00081	<0.0030
P1-20	03/05/17	0.00078	<0.0030
	18/06/17	0.00084	<0.0030
	28/06/17	0.00085	<0.0030
P1-25	18/06/17	0.00075	<0.0030
	28/06/17	0.00083	<0.0030
P1-B	03/05/17	0.00082	<0.0030
	18/06/17	0.00085	<0.0030
	28/06/17	0.00082	<0.0030
P2-S	03/05/17	0.00074	<0.0030
	18/06/17	0.00082	<0.0030
	28/06/17	0.00086	<0.0030
P2-5	18/06/17	0.00083	<0.0030

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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Conductivity (µs/cm)	Hardness (mg/L)	pH (pH)	TDS (mg/L)	TSS (mg/L)	NTU (ntu)	Alkalinity (CaCO ₃) (mg/L)
P2-5	28/06/17	273	121	8.22	178	1.2	0.39	96.5
P2-10	03/05/17	288	123	8.17	198	2.7	1.77	104
	18/06/17	272	119	8.15	163	<1.0	0.62	98.7
	28/06/17	270	121	8.2	188	<1.0	0.44	96.5
P2-15	18/06/17	275	120	8.09	170	<1.0	0.52	99.7
	28/06/17	275	120	8.15	178	<1.0	0.49	95.8
P2-20	03/05/17	284	119	8.15	203	3	1.97	99.7
	18/06/17	276	120	8.04	161	<1.0	0.74	103
	28/06/17	278	122	8.08	190	<1.0	0.61	98.5
P2-B	03/05/17	290	124	8.15	206	6	5.5	106
	18/06/17	281	124	8.04	183	<1.0	0.98	99.8
	28/06/17	277	125	8.06	182	1.2	1.1	99.6

Monitoring data report for: Polley Lake



Mount Polley
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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Ammonia (as N) (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate (N) (mg/L)	Nitrate and Nitrite (mg/L)	Nitrite (N) (mg/L)	Diss-Orthophosphate (mg/L)
P2-5	28/06/17	<0.0050	1.2	0.084	<0.0050	<0.0051	<0.0010	<0.0010
P2-10	03/05/17	0.0093	1.2	0.083	0.069	0.0701	0.0011	0.0126
	18/06/17	<0.0050	1.18	0.083	<0.0050	<0.0051	<0.0010	0.0021
	28/06/17	<0.0050	1.2	0.083	<0.0050	<0.0051	<0.0010	<0.0010
P2-15	18/06/17	<0.0050	1.2	0.083	0.0563	0.0563	<0.0010	0.0155
	28/06/17	<0.0050	1.2	0.084	<0.0050	<0.0051	<0.0010	<0.0010
P2-20	03/05/17	0.0116	1.2	0.083	0.0689	0.0701	0.0012	0.0135
	18/06/17	<0.0050	1.22	0.083	0.11	0.11	<0.0010	0.0222
	28/06/17	<0.0050	1.25	0.085	0.0955	0.0955	<0.0010	0.0164
P2-B	03/05/17	0.039	1.23	0.085	0.121	0.129	0.0078	0.0245
	18/06/17	<0.0050	1.21	0.084	0.121	0.121	<0.0010	0.0226
	28/06/17	<0.0050	1.26	0.086	0.138	0.138	<0.0010	0.0215

Monitoring data report for: Polley Lake



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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Phosphorus (mg/L)	Total Phosphorus (mg/L)	Sulphate (mg/L)	Total Nitrogen (mg/L)	Dissolved Organic Ca (mg/L)	Aluminum (Al)-Total (mg/L)	Antimony (Sb)-Total (mg/L)
P2-5	28/06/17	0.0052	0.013	43.8	0.283	6.25	0.0113	0.00011
P2-10	03/05/17	0.0174	0.023	44.6	0.349	5.87	0.122	0.00012
	18/06/17	0.0061	0.0105	43.5	0.289	5.3	0.0139	0.0001
	28/06/17	0.0047	0.0027	43.8	0.28	6.01	0.0141	0.00011
P2-15	18/06/17	0.019	0.0172	44.3	0.369	5.17	0.0199	<0.00010
	28/06/17	0.0046	0.0055	43.8	0.285	6.13	0.0154	0.00011
P2-20	03/05/17	0.0186	0.0248	44.6	0.354	5.91	0.106	0.00012
	18/06/17	0.0249	0.023	44.6	0.37	5.51	0.024	0.0001
	28/06/17	0.0241	0.024	44.8	0.359	6.04	0.0268	0.00011
P2-B	03/05/17	0.0278	0.0371	45.3	0.419	5.84	0.27	0.00012
	18/06/17	0.0256	0.032	44.6	0.388	5.35	0.029	0.00011
	28/06/17	0.0291	0.035	45.3	0.396	6.39	0.0346	0.00011

Monitoring data report for: Polley Lake



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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Arsenic (As)-Total (mg/L)	Barium (Ba)-Total (mg/L)	Cadmium (Cd)-Total (mg/L)	Calcium (Ca)-Total (mg/L)	Chromium (Cr)-Total (mg/L)	Cobalt (Co)-Total (mg/L)	Copper (Cu)-Total (mg/L)
P2-5	28/06/17	0.00066	0.00945	<0.0000050	36.8	<0.00050	<0.00010	0.00494
P2-10	03/05/17	0.00078	0.012	<0.0000050	39.8	<0.00050	<0.00010	0.00509
	18/06/17	0.00065	0.00977	<0.0000050	38.3	<0.00050	<0.00010	0.00338
	28/06/17	0.00064	0.00951	<0.0000050	36.4	<0.00050	<0.00010	0.00324
P2-15	18/06/17	0.00066	0.01	<0.0000050	39.3	<0.00050	<0.00010	0.00356
	28/06/17	0.0007	0.0096	<0.0000050	36.1	<0.00050	<0.00010	0.0033
P2-20	03/05/17	0.00082	0.0119	0.0000055	39.3	<0.00050	<0.00010	0.00517
	18/06/17	0.00074	0.0104	<0.0000050	39.3	<0.00050	<0.00010	0.00363
	28/06/17	0.0007	0.01	<0.0000050	36.9	<0.00050	<0.00010	0.0038
P2-B	03/05/17	0.00087	0.016	<0.0000050	40.3	<0.00050	0.00015	0.00815
	18/06/17	0.00074	0.0106	<0.0000050	39.9	<0.00050	<0.00010	0.00389
	28/06/17	0.00074	0.0104	<0.0000050	37.4	<0.00050	<0.00010	0.00403

Monitoring data report for: Polley Lake



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		Iron (Fe)-Total (mg/L)	Lead (Pb)-Total (mg/L)	Lithium (Li)-Total (mg/L)	Magnesium (Mg)-Total (mg/L)	Manganese (Mn)-Total (mg/L)	Molybdenum (Mo)-Total (mg/L)	Nickel (Ni)-Total (mg/L)
P2-5	28/06/17	<0.030	0.000236	<0.0010	4.92	0.00588	0.00852	<0.00050
P2-10	03/05/17	0.061	0.000089	<0.0010	5.91	0.0321	0.00936	<0.00050
	18/06/17	<0.030	0.000205	<0.0010	5.83	0.00402	0.00875	<0.00050
	28/06/17	<0.030	0.000176	<0.0010	4.78	0.00566	0.00852	<0.00050
P2-15	18/06/17	<0.030	0.000072	<0.0010	5.9	0.00652	0.00903	<0.00050
	28/06/17	<0.030	0.000106	<0.0010	4.78	0.00518	0.00847	<0.00050
P2-20	03/05/17	0.065	0.000075	<0.0010	5.85	0.038	0.00931	<0.00050
	18/06/17	<0.030	0.000064	<0.0010	6.03	0.0201	0.00891	<0.00050
	28/06/17	<0.030	0.000086	<0.0010	4.91	0.0149	0.0085	<0.00050
P2-B	03/05/17	0.154	0.000122	<0.0010	6.11	0.141	0.00965	<0.00050
	18/06/17	<0.030	0.000099	<0.0010	6.23	0.0411	0.00921	<0.00050
	28/06/17	<0.030	0.000071	<0.0010	5.12	0.0572	0.00874	<0.00050

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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Potassium (K)-Total (mg/L)	Selenium (Se)-Total (mg/L)	Silicon (Si)-Total (mg/L)	Silver (Ag)-Total (mg/L)	Sodium (Na)-Total (mg/L)	Vanadium (V)-Total (mg/L)	Zinc (Zn)-Total (mg/L)
P2-5	28/06/17	1.15	0.000572	1.98	<0.000010	8.47	0.00085	<0.0030
P2-10	03/05/17	1.32	0.000604	3.19	<0.000010	9.25	0.00118	<0.0030
	18/06/17	1.18	0.000605	2.38	<0.000010	8.58	0.00083	<0.0030
	28/06/17	1.11	0.000544	1.99	<0.000010	8.2	0.00083	0.0066
P2-15	18/06/17	1.2	0.000551	2.75	<0.000010	8.71	0.00091	<0.0030
	28/06/17	1.11	0.000531	2.03	<0.000010	8.25	0.00081	<0.0030
P2-20	03/05/17	1.33	0.000642	3.28	<0.000010	9.31	0.00112	<0.0030
	18/06/17	1.25	0.000637	3.04	<0.000010	9.03	0.00092	<0.0030
	28/06/17	1.19	0.000495	2.65	<0.000010	8.54	0.00084	<0.0030
P2-B	03/05/17	1.43	0.000606	3.87	<0.000010	9.43	0.00156	<0.0030
	18/06/17	1.29	0.000584	3.21	<0.000010	9.39	0.00103	<0.0030
	28/06/17	1.25	0.0005	2.97	<0.000010	8.89	0.00092	<0.0030

Monitoring data report for: Polley Lake



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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Aluminum (Al) (mg/L)	Diss-Antimony (Sb) (mg/L)	Diss-Arsenic (As) (mg/L)	Diss-Barium (Ba) (mg/L)	Diss-Cadmium (Cd) (mg/L)	Diss-Calcium (Ca) (mg/L)	Diss-Chromium (Cr) (mg/L)
P2-5	28/06/17	0.0044	<0.00010	0.00068	0.0102	<0.0000050	39.5	<0.00050
P2-10	03/05/17	0.0045	0.0001	0.00077	0.00987	<0.0000050	39.7	<0.00050
	18/06/17	<0.0030	<0.00010	0.0007	0.00969	<0.0000050	38.3	<0.00050
	28/06/17	0.0043	<0.00010	0.00068	0.0102	<0.0000050	39.4	<0.00050
P2-15	18/06/17	<0.0030	0.0001	0.00072	0.00953	<0.0000050	38.6	<0.00050
	28/06/17	<0.0030	<0.00010	0.00072	0.0101	<0.0000050	39	<0.00050
P2-20	03/05/17	0.0044	0.0001	0.00075	0.00959	<0.0000050	38.1	<0.00050
	18/06/17	0.005	0.0001	0.00076	0.00968	<0.0000050	38.6	<0.00050
	28/06/17	0.0034	<0.00010	0.0007	0.0101	<0.0000050	39.7	<0.00050
P2-B	03/05/17	0.0039	0.0001	0.00077	0.0098	<0.0000050	39.7	<0.00050
	18/06/17	<0.0030	0.0001	0.00073	0.00983	<0.0000050	39.9	<0.00050
	28/06/17	0.0034	<0.00010	0.00074	0.0104	<0.0000050	40.5	<0.00050

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		Diss-Cobalt (Co) (mg/L)	Diss-Copper (Cu) (mg/L)	Diss-Iron (Fe) (mg/L)	Diss-Lead (Pb) (mg/L)	Diss-Lithium (Li) (mg/L)	Diss-Magnesium (Mg) (mg/L)	Diss-Manganese (Mn) (mg/L)
P2-5	28/06/17	<0.00010	0.00337	<0.030	0.000233	<0.0010	5.46	0.00498
P2-10	03/05/17	<0.00010	0.00327	<0.030	0.000124	<0.0010	5.75	0.0036
	18/06/17	<0.00010	0.00337	<0.030	0.000278	<0.0010	5.64	0.00143
	28/06/17	<0.00010	0.00336	<0.030	0.00032	<0.0010	5.38	0.00435
P2-15	18/06/17	<0.00010	0.00331	<0.030	0.000152	<0.0010	5.8	0.00066
	28/06/17	<0.00010	0.00335	<0.030	0.000134	<0.0010	5.58	0.00367
P2-20	03/05/17	<0.00010	0.00314	<0.030	0.000114	<0.0010	5.78	0.00423
	18/06/17	<0.00010	0.00333	<0.030	0.000135	<0.0010	5.79	0.00075
	28/06/17	<0.00010	0.00335	<0.030	0.000107	<0.0010	5.49	0.00267
P2-B	03/05/17	<0.00010	0.00288	<0.030	0.000093	<0.0010	5.95	0.0383
	18/06/17	<0.00010	0.00338	<0.030	0.000133	<0.0010	5.82	0.00355
	28/06/17	<0.00010	0.00336	<0.030	0.000072	<0.0010	5.8	0.00972

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		Diss-Molybdenum (Mo) (mg/L)	Diss-Nickel (Ni) (mg/L)	Diss-Potassium (K) (mg/L)	Diss-Selenium (mg/L)	Diss-Silicon (Si) (mg/L)	Diss-Silver (Ag) (mg/L)	Diss-Sodium (Na) (mg/L)
P2-5	28/06/17	0.00881	<0.00050	1.21	0.000537	2.12	<0.000010	8.96
P2-10	03/05/17	0.00904	<0.00050	1.25	0.000645	2.93	<0.000010	9.21
	18/06/17	0.00868	<0.00050	1.23	0.000581	2.34	<0.000010	9.16
	28/06/17	0.00883	<0.00050	1.21	0.000554	2.18	<0.000010	8.73
P2-15	18/06/17	0.00887	<0.00050	1.26	0.000539	2.75	<0.000010	9.36
	28/06/17	0.00866	<0.00050	1.24	0.000566	2.2	<0.000010	9
P2-20	03/05/17	0.00878	<0.00050	1.23	0.000554	2.94	<0.000010	9.26
	18/06/17	0.00903	<0.00050	1.26	0.000514	2.96	<0.000010	9.41
	28/06/17	0.00875	<0.00050	1.26	0.000508	2.83	<0.000010	8.98
P2-B	03/05/17	0.0091	<0.00050	1.31	0.000584	3.23	<0.000010	9.54
	18/06/17	0.00893	<0.00050	1.28	0.000539	3.09	<0.000010	9.42
	28/06/17	0.00881	<0.00050	1.3	0.000552	3.05	<0.000010	9.3

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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Vanadium (V) (mg/L)	Diss-Zinc (Zn) (mg/L)
P2-5	28/06/17	0.00087	<0.0030
P2-10	03/05/17	0.00077	<0.0030
	18/06/17	0.00075	<0.0030
	28/06/17	0.00086	<0.0030
P2-15	18/06/17	0.00081	<0.0030
	28/06/17	0.00085	<0.0030
P2-20	03/05/17	0.00075	<0.0030
	18/06/17	0.00081	<0.0030
	28/06/17	0.00082	<0.0030
P2-B	03/05/17	0.00078	<0.0030
	18/06/17	0.00081	<0.0030
	28/06/17	0.00084	<0.0030

Printed Date: 10-Aug-2017

Monitoring data report for: Quesnel Lake



Mount Polley
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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Conductivity (µs/cm)	Hardness (mg/L)	pH (pH)	TDS (mg/L)	TSS (mg/L)	NTU (ntu)	Alkalinity (CaCO ₃) (mg/L)
QUL-18-0m	11/04/17	117	54.9	7.94	68	<1.0	0.32	50.9
	28/05/17	111	53.5	7.87	76	<1.0	0.29	50
	19/06/17	100	47.9	7.87	69	<1.0	0.45	46
QUL-18-10 0m	11/04/17	120	54.6	7.93	69	1.2	1.95	50.6
	28/05/17	111	53.7	7.85	75	<1.0	0.81	50.2
	19/06/17	108	47.2	7.89	76	<1.0	0.23	48.4
QUL-18-20 m	11/04/17	117	55.5	7.95	69	<1.0	0.36	50.3
	28/05/17	111	52.5	7.86	74	<1.0	0.37	49
	19/06/17	101	49.6	7.85	71	<1.0	0.51	45.7
QUL-18-50 m	11/04/17	117	55.6	7.94	70	<1.0	0.47	50.6
	28/05/17	111	53	7.85	74	<1.0	0.39	49.3
	19/06/17	105	50.8	7.89	75	<1.0	0.27	48.4
QUL-2a-0m	10/04/17	117	53.8	7.94	73	<1.0	0.32	49.6
	09/05/17	112	52.5	7.86	73	<1.0	0.30	48.9
	19/06/17	97.3	47.4	7.86	70	<1.0	0.44	45.1
QUL-2a-20 m	10/04/17	118	53.4	7.93	70	<1.0	0.55	50.0
	09/05/17	112	53.1	7.83	78	<1.0	0.31	50.0
	19/06/17	100	49.1	7.87	68	<1.0	0.38	45.8
QUL-2a-40 m	10/04/17	119	53.4	7.93	72	<1.0	1.05	49.7
	09/05/17	111	53.1	7.83	94	<1.0	0.32	49.3
	19/06/17	108	51.1	7.87	77	<1.0	0.34	48.2
QUL-2a-60	10/04/17	120	54.1	7.92	69	<1.0	1.30	50.0

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Monitoring data report for: Quesnel Lake



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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Ammonia (as N) (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate (N) (mg/L)	Nitrate and Nitrite (mg/L)	Nitrite (N) (mg/L)	Diss-Orthophosphate (mg/L)
QUL-18-0m	11/04/17	<0.0050	<0.50	0.032	0.136	0.136	<0.0010	0.0010
	28/05/17	<0.0050	<0.50	0.034	0.128	0.128	<0.0010	<0.0010
	19/06/17	<0.0050	<0.50	0.032	0.11	0.11	<0.0010	<0.0010
QUL-18-10 0m	11/04/17	<0.0050	<0.50	0.033	0.153	0.153	<0.0010	0.0015
	28/05/17	<0.0050	<0.50	0.034	0.141	0.141	<0.0010	<0.0010
	19/06/17	<0.0050	<0.50	0.034	0.138	0.138	<0.0010	<0.0010
QUL-18-20 m	11/04/17	<0.0050	<0.50	0.032	0.136	0.136	<0.0010	<0.0010
	28/05/17	<0.0050	<0.50	0.034	0.134	0.134	<0.0010	<0.0010
	19/06/17	<0.0050	<0.50	0.032	0.119	0.119	<0.0010	<0.0010
QUL-18-50 m	11/04/17	<0.0050	<0.50	0.032	0.139	0.139	<0.0010	0.0020
	28/05/17	<0.0050	<0.50	0.035	0.137	0.137	<0.0010	<0.0010
	19/06/17	<0.0050	<0.50	0.033	0.136	0.136	<0.0010	<0.0010
QUL-2a-0m	10/04/17	<0.0050	<0.50	0.032	0.141	0.141	<0.0010	<0.0010
	09/05/17	<0.0050	<0.50	0.032	0.129	0.129	<0.0010	<0.0010
	19/06/17	<0.0050	<0.50	0.032	0.108	0.108	<0.0010	<0.0010
QUL-2a-20 m	10/04/17	<0.0050	<0.50	0.032	0.146	0.146	<0.0010	0.0015
	09/05/17	<0.0050	<0.50	0.032	0.133	0.133	<0.0010	<0.0010
	19/06/17	<0.0050	<0.50	0.032	0.125	0.125	<0.0010	<0.0010
QUL-2a-40 m	10/04/17	<0.0050	<0.50	0.033	0.153	0.153	<0.0010	0.0019
	09/05/17	<0.0050	<0.50	0.032	0.134	0.134	<0.0010	<0.0010
	19/06/17	<0.0050	<0.50	0.033	0.139	0.139	<0.0010	<0.0010
QUL-2a-60	10/04/17	<0.0050	<0.50	0.032	0.154	0.154	<0.0010	0.0018

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		Diss-Phosphorus (mg/L)	Total Phosphorus (mg/L)	Sulphate (mg/L)	Total Nitrogen (mg/L)	Dissolved Organic Ca (mg/L)	Aluminum (Al)-Total (mg/L)	Antimony (Sb)-Total (mg/L)
QUL-18-0m	11/04/17	0.0021	<0.0020	7.25	0.193	2.24	0.0153	<0.00010
	28/05/17	<0.0020	<0.0040	6.9	0.196	2.16	0.0157	<0.00010
	19/06/17	<0.0020	0.0021	6.08	0.188	1.88	0.0252	<0.00010
QUL-18-10 0m	11/04/17	0.0026	<0.0020	8.36	0.213	1.50	0.0991	<0.00010
	28/05/17	<0.0020	<0.0040	7.33	0.199	2.14	0.043	<0.00010
	19/06/17	<0.0020	<0.0020	7.12	0.192	1.74	0.0169	<0.00010
QUL-18-20 m	11/04/17	<0.0020	0.0025	7.27	0.184	1.63	0.0185	<0.00010
	28/05/17	<0.0020	<0.0040	6.91	0.189	2.01	0.0235	<0.00010
	19/06/17	<0.0020	<0.0020	6.18	0.188	1.83	0.0233	<0.00010
QUL-18-50 m	11/04/17	0.0032	0.0028	7.43	0.187	1.61	0.0210	<0.00010
	28/05/17	<0.0020	<0.0040	7.12	0.192	1.89	0.0211	<0.00010
	19/06/17	<0.0020	0.0049	6.91	0.204	1.81	0.018	<0.00010
QUL-2a-0m	10/04/17	<0.0020	0.0031	7.31	0.187	1.58	0.0195	<0.00010
	09/05/17	<0.0020	0.0022	6.64	0.174	1.69	0.0165	<0.00010
	19/06/17	<0.0020	0.003	5.99	0.208	2.04	0.0226	<0.00010
QUL-2a-20 m	10/04/17	0.0024	0.0029	7.78	0.190	1.68	0.0247	<0.00010
	09/05/17	<0.0020	0.0050	6.65	0.177	1.54	0.0164	<0.00010
	19/06/17	<0.0020	<0.0020	6.19	0.189	1.79	0.0194	<0.00010
QUL-2a-40 m	10/04/17	0.0031	0.0028	8.41	0.201	1.58	0.0576	<0.00010
	09/05/17	<0.0020	<0.0020	6.66	0.189	1.63	0.0165	<0.00010
	19/06/17	<0.0020	<0.0020	6.74	0.196	1.62	0.0192	<0.00010
QUL-2a-60	10/04/17	0.0032	0.0026	8.30	0.197	1.63	0.0606	<0.00010

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		Arsenic (As)-Total (mg/L)	Barium (Ba)-Total (mg/L)	Cadmium (Cd)-Total (mg/L)	Calcium (Ca)-Total (mg/L)	Chromium (Cr)-Total (mg/L)	Cobalt (Co)-Total (mg/L)	Copper (Cu)-Total (mg/L)
QUL-18-0m	11/04/17	0.00013	0.00563	<0.0000050	18.5	<0.00050	<0.00010	0.00077
	28/05/17	0.00014	0.00562	<0.0000050	17.9	<0.00050	<0.00010	0.00091
	19/06/17	0.00012	0.00564	<0.0000050	15.8	<0.00050	<0.00010	0.00083
QUL-18-10 0m	11/04/17	0.00014	0.00754	<0.0000050	18.4	<0.00050	<0.00010	0.00297
	28/05/17	0.00013	0.00602	<0.0000050	17.7	<0.00050	<0.00010	0.00164
	19/06/17	0.00011	0.00529	<0.0000050	17	<0.00050	<0.00010	0.00084
QUL-18-20 m	11/04/17	0.00013	0.00563	<0.0000050	18.3	<0.00050	<0.00010	0.00094
	28/05/17	0.00013	0.00581	<0.0000050	17.5	<0.00050	<0.00010	0.00096
	19/06/17	0.00011	0.00539	<0.0000050	16.1	<0.00050	<0.00010	0.00066
QUL-18-50 m	11/04/17	0.00011	0.00577	<0.0000050	18.1	<0.00050	<0.00010	0.00118
	28/05/17	0.00012	0.00573	<0.0000050	17.3	<0.00050	<0.00010	0.00098
	19/06/17	<0.00010	0.0053	<0.0000050	16.8	<0.00050	<0.00010	0.00072
QUL-2a-0m	10/04/17	0.00013	0.00560	<0.0000050	18.2	<0.00050	<0.00010	0.00097
	09/05/17	0.00010	0.00528	<0.0000050	17.6	<0.00050	<0.00010	0.00060
	19/06/17	0.00012	0.00526	<0.0000050	15.6	<0.00050	<0.00010	0.00069
QUL-2a-20 m	10/04/17	0.00013	0.00582	<0.0000050	17.9	<0.00050	<0.00010	0.00114
	09/05/17	<0.00010	0.00521	<0.0000050	17.9	<0.00050	<0.00010	0.00059
	19/06/17	0.00011	0.00517	<0.0000050	16.1	<0.00050	<0.00010	0.00056
QUL-2a-40 m	10/04/17	0.00013	0.00670	<0.0000050	18.4	<0.00050	<0.00010	0.00189
	09/05/17	<0.00010	0.00544	<0.0000050	18.3	<0.00050	<0.00010	0.00061
	19/06/17	0.00011	0.00533	<0.0000050	16.8	<0.00050	<0.00010	0.00081
QUL-2a-60	10/04/17	0.00014	0.00665	<0.0000050	18.5	<0.00050	<0.00010	0.00205

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		Iron (Fe)-Total (mg/L)	Lead (Pb)-Total (mg/L)	Lithium (Li)-Total (mg/L)	Magnesium (Mg)-Total (mg/L)	Manganese (Mn)-Total (mg/L)	Molybdenum (Mo)-Total (mg/L)	Nickel (Ni)-Total (mg/L)
QUL-18-0m	11/04/17	<0.030	<0.000050	<0.0010	2.13	0.00103	0.000627	<0.00050
	28/05/17	<0.030	<0.000050	<0.0010	2.19	0.00115	0.000568	<0.00050
	19/06/17	0.03	<0.000050	<0.0010	1.96	0.00181	0.000391	<0.00050
QUL-18-100m	11/04/17	0.059	0.000197	<0.0010	2.22	0.00298	0.00100	<0.00050
	28/05/17	0.03	<0.000050	<0.0010	2.07	0.00199	0.000695	<0.00050
	19/06/17	<0.030	0.000054	<0.0010	2.03	0.00113	0.000555	<0.00050
QUL-18-20m	11/04/17	<0.030	0.000128	<0.0010	2.18	0.00122	0.000611	<0.00050
	28/05/17	<0.030	<0.000050	<0.0010	2.16	0.00152	0.000563	<0.00050
	19/06/17	0.031	0.000073	<0.0010	1.94	0.00174	0.000401	<0.00050
QUL-18-50m	11/04/17	<0.030	0.000309	<0.0010	2.21	0.00124	0.000689	<0.00050
	28/05/17	<0.030	<0.000050	<0.0010	2.16	0.00133	0.00061	<0.00050
	19/06/17	<0.030	0.000052	<0.0010	2.06	0.0014	0.000503	<0.00050
QUL-2a-0m	10/04/17	<0.030	<0.000050	<0.0010	2.17	0.00123	0.000613	<0.00050
	09/05/17	<0.030	<0.000050	0.0011	2.17	0.00114	0.000399	<0.00050
	19/06/17	<0.030	<0.000050	<0.0010	1.85	0.00159	0.000361	<0.00050
QUL-2a-20m	10/04/17	<0.030	0.000162	<0.0010	2.15	0.00129	0.000726	<0.00050
	09/05/17	<0.030	<0.000050	0.0011	2.14	0.00110	0.000374	<0.00050
	19/06/17	<0.030	0.000122	<0.0010	1.92	0.00136	0.000351	<0.00050
QUL-2a-40m	10/04/17	0.035	0.000102	<0.0010	2.22	0.00191	0.000974	<0.00050
	09/05/17	<0.030	0.000205	0.0013	2.17	0.00123	0.000411	<0.00050
	19/06/17	<0.030	0.000056	<0.0010	2.02	0.0013	0.000468	<0.00050
QUL-2a-60	10/04/17	0.037	0.000076	<0.0010	2.23	0.00204	0.000924	<0.00050

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		Potassium (K)-Total (mg/L)	Selenium (Se)-Total (mg/L)	Silicon (Si)-Total (mg/L)	Silver (Ag)-Total (mg/L)	Sodium (Na)-Total (mg/L)	Vanadium (V)-Total (mg/L)	Zinc (Zn)-Total (mg/L)
QUL-18-0m	11/04/17	0.506	0.000152	1.78	<0.000010	1.10	<0.00050	<0.0030
	28/05/17	0.521	0.000183	1.84	<0.000010	1.11	<0.00050	<0.0030
	19/06/17	0.513	0.000111	1.75	<0.000010	0.949	<0.00050	<0.0030
QUL-18-10 0m	11/04/17	0.581	0.000224	1.98	<0.000010	1.25	<0.00050	<0.0030
	28/05/17	0.506	0.000148	1.82	<0.000010	1.08	<0.00050	0.0032
	19/06/17	0.493	0.000132	1.72	<0.000010	1.02	<0.00050	<0.0030
QUL-18-20 m	11/04/17	0.519	0.000138	1.80	<0.000010	1.12	<0.00050	<0.0030
	28/05/17	0.519	0.00016	1.78	<0.000010	1.07	<0.00050	0.0044
	19/06/17	0.488	0.000115	1.75	<0.000010	0.929	<0.00050	<0.0030
QUL-18-50 m	11/04/17	0.537	0.000161	1.86	<0.000010	1.14	<0.00050	<0.0030
	28/05/17	0.513	0.000165	1.77	<0.000010	1.09	<0.00050	<0.0030
	19/06/17	0.51	0.000115	1.73	<0.000010	1.02	<0.00050	<0.0030
QUL-2a-0m	10/04/17	0.523	0.000158	1.77	<0.000010	1.11	<0.00050	0.0035
	09/05/17	0.513	0.000096	1.76	<0.000010	1.02	<0.00050	<0.0030
	19/06/17	0.485	0.00009	1.72	<0.000010	0.905	<0.00050	<0.0030
QUL-2a-20 m	10/04/17	0.524	0.000160	1.82	<0.000010	1.14	<0.00050	<0.0030
	09/05/17	0.515	0.000088	1.73	<0.000010	1.01	<0.00050	<0.0030
	19/06/17	0.495	0.000088	1.7	<0.000010	0.905	<0.00050	<0.0030
QUL-2a-40 m	10/04/17	0.567	0.000209	1.87	<0.000010	1.24	<0.00050	<0.0030
	09/05/17	0.519	0.000092	1.75	<0.000010	1.02	<0.00050	<0.0030
	19/06/17	0.503	0.000107	1.73	<0.000010	0.993	<0.00050	<0.0030
QUL-2a-60	10/04/17	0.580	0.000203	1.90	<0.000010	1.25	<0.00050	<0.0030

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		Diss-Aluminum (Al) (mg/L)	Diss-Antimony (Sb) (mg/L)	Diss-Arsenic (As) (mg/L)	Diss-Barium (Ba) (mg/L)	Diss-Cadmium (Cd) (mg/L)	Diss-Calcium (Ca) (mg/L)	Diss-Chromium (Cr) (mg/L)
QUL-18-0m	11/04/17	0.0082	<0.00010	<0.00010	0.00513	<0.0000050	18.4	<0.00050
	28/05/17	0.007	<0.00010	0.00013	0.00551	<0.0000050	17.9	<0.00050
	19/06/17	0.0096	<0.00010	<0.00010	0.00561	<0.0000050	16	<0.00050
QUL-18-10 0m	11/04/17	0.0067	<0.00010	<0.00010	0.00540	<0.0000050	18.2	<0.00050
	28/05/17	0.0069	<0.00010	0.00012	0.00557	<0.0000050	17.9	<0.00050
	19/06/17	0.0062	<0.00010	0.00011	0.00552	0.0000103	15.3	<0.00050
QUL-18-20 m	11/04/17	0.0053	<0.00010	<0.00010	0.00501	<0.0000050	18.6	<0.00050
	28/05/17	0.0053	<0.00010	0.00011	0.00526	<0.0000050	17.6	<0.00050
	19/06/17	0.0095	<0.00010	0.00011	0.00577	<0.0000050	16.3	<0.00050
QUL-18-50 m	11/04/17	0.0061	<0.00010	<0.00010	0.00516	<0.0000050	18.6	<0.00050
	28/05/17	0.0068	<0.00010	0.00017	0.00547	<0.0000050	17.7	<0.00050
	19/06/17	0.007	<0.00010	<0.00010	0.00535	<0.0000050	16.9	<0.00050
QUL-2a-0m	10/04/17	0.0047	<0.00010	<0.00010	0.00510	<0.0000050	18.0	<0.00050
	09/05/17	0.0052	<0.00010	<0.00010	0.00508	<0.0000050	17.7	<0.00050
	19/06/17	0.0097	<0.00010	0.00011	0.00545	<0.0000050	15.7	<0.00050
QUL-2a-20 m	10/04/17	0.0065	<0.00010	<0.00010	0.00516	<0.0000050	17.8	<0.00050
	09/05/17	0.0055	<0.00010	<0.00010	0.00522	<0.0000050	17.8	<0.00050
	19/06/17	0.0076	<0.00010	<0.00010	0.00518	<0.0000050	16.4	<0.00050
QUL-2a-40 m	10/04/17	0.0063	<0.00010	<0.00010	0.00534	<0.0000050	17.8	<0.00050
	09/05/17	0.0056	<0.00010	<0.00010	0.00524	<0.0000050	17.8	<0.00050
	19/06/17	0.0063	<0.00010	0.0001	0.00534	<0.0000050	17	<0.00050
QUL-2a-60	10/04/17	0.0060	<0.00010	<0.00010	0.00533	<0.0000050	18.0	<0.00050

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		Diss-Cobalt (Co) (mg/L)	Diss-Copper (Cu) (mg/L)	Diss-Iron (Fe) (mg/L)	Diss-Lead (Pb) (mg/L)	Diss-Lithium (Li) (mg/L)	Diss-Magnesium (Mg) (mg/L)	Diss-Manganese (Mn) (mg/L)
QUL-18-0m	11/04/17	<0.00010	0.00061	<0.030	<0.000050	<0.0010	2.20	0.00039
	28/05/17	<0.00010	0.00074	<0.030	<0.000050	0.0011	2.17	0.00092
	19/06/17	<0.00010	0.00057	<0.030	<0.000050	<0.0010	1.92	0.00033
QUL-18-10 0m	11/04/17	<0.00010	0.00107	<0.030	0.000405	<0.0010	2.23	0.00032
	28/05/17	<0.00010	0.00106	<0.030	<0.000050	0.001	2.15	0.00015
	19/06/17	<0.00010	0.00077	<0.030	0.000055	<0.0010	2.21	0.00018
QUL-18-20 m	11/04/17	<0.00010	0.00067	<0.030	0.000260	<0.0010	2.22	0.00026
	28/05/17	<0.00010	0.00064	<0.030	<0.000050	0.001	2.07	0.00022
	19/06/17	<0.00010	0.00062	<0.030	0.000075	<0.0010	2.14	0.00027
QUL-18-50 m	11/04/17	<0.00010	0.00075	<0.030	0.000627	<0.0010	2.24	0.00028
	28/05/17	<0.00010	0.00071	<0.030	<0.000050	0.0011	2.13	0.00021
	19/06/17	<0.00010	0.00062	<0.030	0.000064	<0.0010	2.09	0.00016
QUL-2a-0m	10/04/17	<0.00010	0.00057	<0.030	<0.000050	<0.0010	2.19	0.00029
	09/05/17	<0.00010	0.00054	<0.030	<0.000050	<0.0010	2.03	0.00037
	19/06/17	<0.00010	0.00054	<0.030	<0.000050	<0.0010	1.97	0.00065
QUL-2a-20 m	10/04/17	<0.00010	0.00090	<0.030	0.000207	<0.0010	2.20	0.00033
	09/05/17	<0.00010	0.00101	<0.030	0.000073	<0.0010	2.10	0.00035
	19/06/17	<0.00010	0.00052	<0.030	0.00009	<0.0010	1.99	0.00011
QUL-2a-40 m	10/04/17	<0.00010	0.00087	<0.030	0.000144	<0.0010	2.18	0.00022
	09/05/17	<0.00010	0.00055	<0.030	0.000088	<0.0010	2.07	0.00028
	19/06/17	<0.00010	0.00061	<0.030	0.00007	<0.0010	2.09	0.00013
QUL-2a-60	10/04/17	<0.00010	0.00090	<0.030	0.000109	<0.0010	2.20	0.00018

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		Diss-Molybdenum (Mo) (mg/L)	Diss-Nickel (Ni) (mg/L)	Diss-Potassium (K) (mg/L)	Diss-Selenium (mg/L)	Diss-Silicon (Si) (mg/L)	Diss-Silver (Ag) (mg/L)	Diss-Sodium (Na) (mg/L)
QUL-18-0m	11/04/17	0.000579	<0.00050	0.547	0.000124	1.68	<0.000010	1.08
	28/05/17	0.000513	<0.00050	0.528	0.000145	1.7	<0.000010	1.08
	19/06/17	0.000374	<0.00050	0.502	0.000117	1.74	<0.000010	0.931
QUL-18-100m	11/04/17	0.000938	<0.00050	0.585	0.000194	1.64	<0.000010	1.19
	28/05/17	0.000624	<0.00050	0.538	0.000145	1.71	<0.000010	1.12
	19/06/17	0.000471	<0.00050	0.53	0.000135	1.75	<0.000010	1.11
QUL-18-20m	11/04/17	0.000578	<0.00050	0.563	0.000122	1.63	<0.000010	1.07
	28/05/17	0.000496	<0.00050	0.519	0.00015	1.67	<0.000010	1.03
	19/06/17	0.000364	<0.00050	0.547	0.000093	1.79	<0.000010	1.03
QUL-18-50m	11/04/17	0.000630	<0.00050	0.561	0.000138	1.65	<0.000010	1.11
	28/05/17	0.000561	<0.00050	0.53	0.000152	1.67	<0.000010	1.07
	19/06/17	0.000464	<0.00050	0.508	0.00011	1.76	<0.000010	1.03
QUL-2a-0m	10/04/17	0.000565	<0.00050	0.536	0.000130	1.64	<0.000010	1.08
	09/05/17	0.000387	<0.00050	0.509	0.000079	1.67	<0.000010	0.960
	19/06/17	0.000348	<0.00050	0.516	0.00011	1.71	<0.000010	0.96
QUL-2a-20m	10/04/17	0.000684	<0.00050	0.549	0.000144	1.65	<0.000010	1.08
	09/05/17	0.000363	<0.00050	0.520	0.000089	1.67	<0.000010	0.974
	19/06/17	0.000334	<0.00050	0.502	0.000078	1.68	<0.000010	0.938
QUL-2a-40m	10/04/17	0.000914	<0.00050	0.589	0.000191	1.67	<0.000010	1.18
	09/05/17	0.000375	<0.00050	0.514	0.000066	1.67	<0.000010	0.970
	19/06/17	0.000444	<0.00050	0.516	0.000128	1.75	<0.000010	1.03
QUL-2a-60	10/04/17	0.000872	<0.00050	0.585	0.000197	1.71	<0.000010	1.19

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		Diss-Vanadium (V) (mg/L)	Diss-Zinc (Zn) (mg/L)
QUL-18-0m	11/04/17	<0.00050	0.0117
	28/05/17	<0.00050	<0.0030
	19/06/17	<0.00050	<0.0030
QUL-18-10 0m	11/04/17	<0.00050	<0.0030
	28/05/17	<0.00050	<0.0030
	19/06/17	<0.00050	<0.0030
QUL-18-20 m	11/04/17	<0.00050	<0.0030
	28/05/17	<0.00050	<0.0030
	19/06/17	<0.00050	<0.0030
QUL-18-50 m	11/04/17	<0.00050	<0.0030
	28/05/17	<0.00050	<0.0030
	19/06/17	<0.00050	<0.0030
QUL-2a-0m	10/04/17	<0.00050	<0.0030
	09/05/17	<0.00050	<0.0030
	19/06/17	<0.00050	<0.0030
QUL-2a-20 m	10/04/17	<0.00050	<0.0030
	09/05/17	<0.00050	<0.0030
	19/06/17	<0.00050	<0.0030
QUL-2a-40 m	10/04/17	<0.00050	<0.0030
	09/05/17	<0.00050	<0.0030
	19/06/17	<0.00050	<0.0030
QUL-2a-60	10/04/17	<0.00050	<0.0030

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		Conductivity (µs/cm)	Hardness (mg/L)	pH (pH)	TDS (mg/L)	TSS (mg/L)	NTU (ntu)	Alkalinity (CaCO ₃) (mg/L)
QUL-2a-60 m	09/05/17	112	53.0	7.83	75	<1.0	0.37	50.1
	19/06/17	108	52	7.86	73	<1.0	0.39	46.5
QUL-58-AT	10/04/17	117	54.8	7.93	61	<1.0	0.59	50.1
	05/06/17	108	50.3	7.86	72	3.8	0.63	48.8
	12/06/17	101	49	7.99	67	1.2	0.73	45.6
	19/06/17	100	48.1	7.89	72	<1.0	0.41	46.4
	27/06/17	119	57.4	7.9	79	<1.0	0.31	51.4
QUL-58-B	10/04/17	118	54.5	7.91	68	<1.0	0.99	49.5
	09/05/17	112	54.9	7.81	71	4.0	0.89	49.4
	15/05/17	113	53.3	7.88	76	1	0.65	49.8
	22/05/17	114	51.8	7.94	70	<1.0	0.44	50.4
	29/05/17	113	52.5	7.85	74	<1.0	0.43	50.5
	05/06/17	112	53	7.86	65	1.8	0.55	50.8
	12/06/17	111	52.3	7.96	69	<1.0	0.36	49.9
	19/06/17	105	51.2	7.88	75	<1.0	0.35	48.6
	27/06/17	112	55.4	7.91	80	<1.0	0.37	50.3
QUL-58-BT	10/04/17	117	53.4	7.94	64	1.0	0.69	49.2
	05/06/17	113	52.7	7.89	78	4	0.47	51.5
	12/06/17	107	50.3	7.99	71	1.1	0.39	48.2
	19/06/17	108	55.6	7.88	79	<1.0	0.31	48.6
	27/06/17	123	59.1	7.91	84	<1.0	0.3	50.9
QUL-58-MI D	09/05/17	113	54.4	7.81	81	<1.0	0.63	50.0
	15/05/17	113	53.6	7.86	73	4.2	0.64	49.2
	22/05/17	114	54.7	7.94	72	<1.0	0.43	50.1

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		Ammonia (as N) (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate (N) (mg/L)	Nitrate and Nitrite (mg/L)	Nitrite (N) (mg/L)	Diss-Orthophosphate (mg/L)
QUL-2a-60 m	09/05/17	<0.0050	<0.50	0.032	0.134	0.134	<0.0010	<0.0010
	19/06/17	<0.0050	<0.50	0.033	0.138	0.138	<0.0010	<0.0010
QUL-58-AT	10/04/17	<0.0050	<0.50	0.032	0.137	0.137	<0.0010	0.0023
	05/06/17	<0.0050	<0.50	0.034	0.121	0.121	<0.0010	0.001
	12/06/17	<0.0050	<0.50	0.033	0.111	0.111	<0.0010	<0.0010
	19/06/17	<0.0050	<0.50	0.032	0.118	0.118	<0.0010	<0.0010
	27/06/17	<0.0050	<0.50	0.037	0.195	0.195	<0.0010	<0.0010
QUL-58-B	10/04/17	<0.0050	<0.50	0.034	0.147	0.147	<0.0010	0.0099
	09/05/17	<0.0050	<0.50	0.033	0.138	0.138	<0.0010	<0.0010
	15/05/17	<0.0050	<0.50	0.036	0.141	0.141	<0.0010	<0.0010
	22/05/17	<0.0050	<0.50	0.034	0.138	0.138	<0.0010	<0.0010
	29/05/17	<0.0050	<0.50	0.042	0.138	0.138	<0.0010	<0.0010
	05/06/17	<0.0050	<0.50	0.035	0.139	0.139	<0.0010	<0.0010
	12/06/17	<0.0050	<0.50	0.035	0.147	0.147	<0.0010	<0.0010
	19/06/17	<0.0050	<0.50	0.033	0.135	0.135	<0.0010	<0.0010
	27/06/17	<0.0050	<0.50	0.036	0.151	0.151	<0.0010	<0.0010
QUL-58-BT	10/04/17	<0.0050	<0.50	0.032	0.136	0.136	<0.0010	0.0016
	05/06/17	<0.0050	<0.50	0.034	0.134	0.134	<0.0010	<0.0010
	12/06/17	<0.0050	<0.50	0.034	0.129	0.129	<0.0010	<0.0010
	19/06/17	<0.0050	<0.50	0.033	0.135	0.135	<0.0010	<0.0010
	27/06/17	<0.0050	<0.50	0.039	0.205	0.205	<0.0010	<0.0010
QUL-58-MID	09/05/17	<0.0050	<0.50	0.033	0.138	0.138	<0.0010	<0.0010
	15/05/17	<0.0050	<0.50	0.035	0.142	0.142	<0.0010	<0.0010
	22/05/17	<0.0050	<0.50	0.034	0.134	0.134	<0.0010	<0.0010

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		Diss-Phosphorus (mg/L)	Total Phosphorus (mg/L)	Sulphate (mg/L)	Total Nitrogen (mg/L)	Dissolved Organic Ca (mg/L)	Aluminum (Al)-Total (mg/L)	Antimony (Sb)-Total (mg/L)
QUL-2a-60 m	09/05/17	<0.0020	0.0028	6.70	0.176	1.55	0.0166	<0.00010
	19/06/17	<0.0020	<0.0020	6.86	0.196	1.65	0.02	<0.00010
QUL-58-AT	10/04/17	0.0032	0.0031	7.40	0.198	1.89	0.0311	<0.00010
	05/06/17	0.0027	<0.0020	6.52	0.197	2.33	0.0264	<0.00010
	12/06/17	<0.0020	0.0047	6.17	0.204	1.89	0.0345	<0.00010
	19/06/17	<0.0020	<0.0020	6.2	0.185	1.94	0.0256	<0.00010
	27/06/17	<0.0020	<0.0020	10.6	0.241	2.11	0.02	<0.00010
QUL-58-B	10/04/17	0.0115	<0.010	8.00	0.197	1.74	0.0437	<0.00010
	09/05/17	<0.0020	0.0022	7.53	0.188	1.79	0.0510	<0.00010
	15/05/17	<0.0020	<0.0020	7.64	0.201	1.94	0.0295	<0.00010
	22/05/17	<0.0020	<0.0020	7.49	0.192	2.2	0.0342	<0.00010
	29/05/17	<0.0020	<0.010	7.41	0.198	1.68	0.0282	<0.00010
	05/06/17	<0.0020	<0.0020	7.26	0.198	2.03	0.0263	<0.00010
	12/06/17	<0.0020	<0.0020	7.76	0.19	1.87	0.023	<0.00010
	19/06/17	<0.0020	<0.0020	6.98	0.2	1.59	0.0194	<0.00010
	27/06/17	<0.0020	<0.0020	7.69	0.193	1.82	0.0237	<0.00010
QUL-58-BT	10/04/17	0.0028	0.0024	7.38	0.195	2.11	0.0398	<0.00010
	05/06/17	<0.0020	<0.0020	7.29	0.195	2.32	0.0234	<0.00010
	12/06/17	<0.0020	<0.0020	6.83	0.183	1.67	0.0231	<0.00010
	19/06/17	<0.0020	<0.0020	6.94	0.192	1.68	0.0174	<0.00010
	27/06/17	<0.0020	<0.0020	11.4	0.258	1.84	0.0225	<0.00010
QUL-58-MI D	09/05/17	<0.0020	0.0025	7.50	0.187	1.95	0.0441	<0.00010
	15/05/17	<0.0020	0.0027	7.5	0.184	1.72	0.0338	<0.00010
	22/05/17	<0.0020	<0.010	7.58	0.191	2.14	0.0256	<0.00010

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		Arsenic (As)-Total (mg/L)	Barium (Ba)-Total (mg/L)	Cadmium (Cd)-Total (mg/L)	Calcium (Ca)-Total (mg/L)	Chromium (Cr)-Total (mg/L)	Cobalt (Co)-Total (mg/L)	Copper (Cu)-Total (mg/L)
QUL-2a-60 m	09/05/17	<0.00010	0.00515	<0.0000050	18.3	<0.00050	<0.00010	0.00066
	19/06/17	0.00012	0.00527	<0.0000050	16.8	<0.00050	<0.00010	0.00083
QUL-58-AT	10/04/17	0.00012	0.00583	<0.0000050	18.9	<0.00050	<0.00010	0.00120
	05/06/17	0.00013	0.00566	<0.0000050	16.7	<0.00050	<0.00010	0.00083
	12/06/17	0.00014	0.0061	<0.0000050	17.5	<0.00050	<0.00010	0.00081
	19/06/17	0.00013	0.00551	<0.0000050	16.1	<0.00050	<0.00010	0.0007
	27/06/17	0.00014	0.00606	<0.0000050	19.4	<0.00050	<0.00010	0.0009
QUL-58-B	10/04/17	0.00014	0.00611	<0.0000050	18.0	<0.00050	<0.00010	0.00178
	09/05/17	0.00012	0.00606	<0.0000050	18.6	<0.00050	<0.00010	0.00150
	15/05/17	0.00013	0.00577	<0.0000050	18.9	<0.00050	<0.00010	0.00156
	22/05/17	0.00013	0.00585	<0.0000050	18.6	<0.00050	<0.00010	0.00133
	29/05/17	0.00012	0.00578	<0.0000050	18.4	<0.00050	<0.00010	0.0013
	05/06/17	0.00012	0.00542	<0.0000050	17.1	<0.00050	<0.00010	0.00122
	12/06/17	0.00011	0.00598	<0.0000050	19.6	<0.00050	<0.00010	0.00107
	19/06/17	0.00012	0.00533	<0.0000050	17	<0.00050	<0.00010	0.00079
	27/06/17	0.00011	0.00556	<0.0000050	17	<0.00050	<0.00010	0.00127
QUL-58-BT	10/04/17	0.00014	0.00569	<0.0000050	18.5	<0.00050	<0.00010	0.00122
	05/06/17	0.00011	0.00533	<0.0000050	17.3	<0.00050	<0.00010	0.00099
	12/06/17	0.00012	0.00578	<0.0000050	18.5	<0.00050	<0.00010	0.0008
	19/06/17	0.00013	0.00541	<0.0000050	17	<0.00050	<0.00010	0.0008
	27/06/17	0.00012	0.00617	<0.0000050	19.7	<0.00050	<0.00010	0.00098
QUL-58-MI D	09/05/17	0.00011	0.00593	<0.0000050	18.9	<0.00050	<0.00010	0.00120
	15/05/17	0.00012	0.00564	<0.0000050	18.8	<0.00050	<0.00010	0.00133
	22/05/17	0.0001	0.00553	<0.0000050	18.4	<0.00050	<0.00010	0.00113

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		Iron (Fe)-Total (mg/L)	Lead (Pb)-Total (mg/L)	Lithium (Li)-Total (mg/L)	Magnesium (Mg)-Total (mg/L)	Manganese (Mn)-Total (mg/L)	Molybdenum (Mo)-Total (mg/L)	Nickel (Ni)-Total (mg/L)
QUL-2a-60 m	09/05/17	<0.030	0.000052	0.0013	2.12	0.00121	0.000426	<0.00050
	19/06/17	<0.030	0.000071	<0.0010	1.99	0.00138	0.000496	<0.00050
QUL-58-AT	10/04/17	<0.030	0.000136	0.0012	2.21	0.00200	0.000657	<0.00050
	05/06/17	0.033	0.000203	<0.0010	1.99	0.00195	0.000468	<0.00050
	12/06/17	0.04	0.000097	<0.0010	2.12	0.00236	0.000425	<0.00050
	19/06/17	0.032	0.00006	<0.0010	1.96	0.00181	0.000426	<0.00050
	27/06/17	<0.030	0.000218	<0.0010	2.33	0.0019	0.00153	<0.00050
QUL-58-B	10/04/17	0.030	0.000269	0.0010	2.19	0.00180	0.000887	<0.00050
	09/05/17	0.033	0.000157	0.0013	2.23	0.00191	0.000686	<0.00050
	15/05/17	<0.030	0.000176	<0.0010	2.27	0.00178	0.000739	<0.00050
	22/05/17	<0.030	0.000164	<0.0010	2.24	0.00171	0.000713	<0.00050
	29/05/17	0.041	0.00011	<0.0010	2.21	0.0018	0.000661	<0.00050
	05/06/17	<0.030	0.000131	0.0011	1.98	0.00146	0.000658	<0.00050
	12/06/17	<0.030	0.000107	<0.0010	2.34	0.00176	0.000757	<0.00050
	19/06/17	<0.030	<0.000050	0.001	2.09	0.00138	0.000522	<0.00050
	27/06/17	<0.030	0.00016	<0.0010	2.13	0.0014	0.000761	<0.00050
QUL-58-BT	10/04/17	0.043	0.000117	<0.0010	2.24	0.00239	0.000654	<0.00050
	05/06/17	<0.030	0.000139	0.0011	2.01	0.00187	0.000609	<0.00050
	12/06/17	<0.030	0.000066	<0.0010	2.14	0.00179	0.000505	<0.00050
	19/06/17	<0.030	<0.000050	<0.0010	2.08	0.00125	0.000528	<0.00050
	27/06/17	<0.030	0.000161	<0.0010	2.36	0.00212	0.00173	<0.00050
QUL-58-MID	09/05/17	<0.030	0.000122	0.0013	2.19	0.00163	0.000679	<0.00050
	15/05/17	<0.030	0.000139	<0.0010	2.26	0.00175	0.0007	<0.00050
	22/05/17	<0.030	0.000285	<0.0010	2.27	0.00228	0.000655	<0.00050

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		Potassium (K)-Total (mg/L)	Selenium (Se)-Total (mg/L)	Silicon (Si)-Total (mg/L)	Silver (Ag)-Total (mg/L)	Sodium (Na)-Total (mg/L)	Vanadium (V)-Total (mg/L)	Zinc (Zn)-Total (mg/L)
QUL-2a-60 m	09/05/17	0.510	0.000086	1.76	<0.000010	1.01	<0.00050	<0.0030
	19/06/17	0.487	0.000117	1.71	<0.000010	0.994	<0.00050	0.0044
QUL-58-AT	10/04/17	0.532	0.000149	1.90	<0.000010	1.12	<0.00050	<0.0030
	05/06/17	0.505	0.000097	1.68	<0.000010	0.989	<0.00050	<0.0030
	12/06/17	0.52	0.000112	1.83	<0.000010	0.971	<0.00050	<0.0030
	19/06/17	0.521	0.000096	1.83	<0.000010	0.961	<0.00050	<0.0030
	27/06/17	0.576	0.000393	1.82	<0.000010	1.38	<0.00050	<0.0030
QUL-58-B	10/04/17	0.544	0.000200	1.82	<0.000010	1.20	<0.00050	<0.0030
	09/05/17	0.552	0.000148	1.87	<0.000010	1.15	<0.00050	<0.0030
	15/05/17	0.535	0.000139	1.76	<0.000010	1.14	<0.00050	<0.0030
	22/05/17	0.517	0.000157	1.81	<0.000010	1.13	<0.00050	<0.0030
	29/05/17	0.539	0.000162	1.81	<0.000010	1.13	<0.00050	<0.0030
	05/06/17	0.49	0.000141	1.63	<0.000010	1.04	<0.00050	<0.0030
	12/06/17	0.522	0.000173	1.74	<0.000010	1.19	<0.00050	<0.0030
	19/06/17	0.523	0.000126	1.76	<0.000010	1.06	<0.00050	<0.0030
	27/06/17	0.502	0.000179	1.8	<0.000010	1.11	<0.00050	<0.0030
QUL-58-BT	10/04/17	0.527	0.000164	1.90	<0.000010	1.16	<0.00050	<0.0030
	05/06/17	0.483	0.000138	1.61	<0.000010	1.05	<0.00050	<0.0030
	12/06/17	0.495	0.000111	1.73	<0.000010	1	<0.00050	<0.0030
	19/06/17	0.526	0.000097	1.76	<0.000010	1.05	<0.00050	<0.0030
	27/06/17	0.588	0.000424	1.86	<0.000010	1.45	<0.00050	<0.0030
QUL-58-MI D	09/05/17	0.544	0.000142	1.82	<0.000010	1.11	<0.00050	<0.0030
	15/05/17	0.536	0.000156	1.77	<0.000010	1.13	<0.00050	<0.0030
	22/05/17	0.524	0.000152	1.77	<0.000010	1.17	<0.00050	<0.0030

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		Diss-Aluminum (Al) (mg/L)	Diss-Antimony (Sb) (mg/L)	Diss-Arsenic (As) (mg/L)	Diss-Barium (Ba) (mg/L)	Diss-Cadmium (Cd) (mg/L)	Diss-Calcium (Ca) (mg/L)	Diss-Chromium (Cr) (mg/L)
QUL-2a-60 m	09/05/17	0.0052	<0.00010	<0.00010	0.00530	<0.0000050	17.7	<0.00050
	19/06/17	0.0067	<0.00010	<0.00010	0.00546	<0.0000050	17.3	<0.00050
QUL-58-AT	10/04/17	0.0072	<0.00010	0.00011	0.00534	<0.0000050	18.3	<0.00050
	05/06/17	0.0096	<0.00010	0.00011	0.00545	<0.0000050	16.7	<0.00050
	12/06/17	0.01	<0.00010	0.00013	0.00535	<0.0000050	16.2	<0.00050
	19/06/17	0.0089	<0.00010	0.00012	0.00537	<0.0000050	16.1	<0.00050
	27/06/17	0.0084	<0.00010	<0.00010	0.00557	<0.0000050	19.1	<0.00050
QUL-58-B	10/04/17	0.0056	<0.00010	<0.00010	0.00535	<0.0000050	18.2	<0.00050
	09/05/17	0.0074	<0.00010	0.00011	0.00568	<0.0000050	18.2	<0.00050
	15/05/17	0.0066	<0.00010	0.0001	0.00525	<0.0000050	17.9	<0.00050
	22/05/17	0.0068	<0.00010	<0.00010	0.00549	<0.0000050	17	<0.00050
	29/05/17	0.0064	<0.00010	0.0001	0.00518	<0.0000050	17.6	<0.00050
	05/06/17	0.0065	<0.00010	<0.00010	0.00524	<0.0000050	17.6	<0.00050
	12/06/17	0.0066	<0.00010	<0.00010	0.0052	<0.0000050	17.2	<0.00050
	19/06/17	0.0052	<0.00010	<0.00010	0.00532	<0.0000050	17	<0.00050
	27/06/17	0.0067	<0.00010	0.0001	0.00524	<0.0000050	18.5	<0.00050
QUL-58-BT	10/04/17	0.0071	<0.00010	0.00011	0.00526	<0.0000050	17.6	<0.00050
	05/06/17	0.0103	<0.00010	<0.00010	0.00546	<0.0000050	17.5	<0.00050
	12/06/17	0.0069	<0.00010	0.00011	0.005	<0.0000050	16.5	<0.00050
	19/06/17	0.0071	<0.00010	<0.00010	0.00571	<0.0000050	18.6	<0.00050
	27/06/17	0.0088	<0.00010	0.0001	0.00577	0.0000095	19.7	<0.00050
QUL-58-MI D	09/05/17	0.0070	<0.00010	0.00010	0.00577	<0.0000050	18.0	<0.00050
	15/05/17	0.0077	<0.00010	<0.00010	0.00527	<0.0000050	18.1	<0.00050
	22/05/17	0.0074	<0.00010	0.00011	0.00557	<0.0000050	18.1	<0.00050

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		Diss-Cobalt (Co) (mg/L)	Diss-Copper (Cu) (mg/L)	Diss-Iron (Fe) (mg/L)	Diss-Lead (Pb) (mg/L)	Diss-Lithium (Li) (mg/L)	Diss-Magnesium (Mg) (mg/L)	Diss-Manganese (Mn) (mg/L)
QUL-2a-60 m	09/05/17	<0.00010	0.00068	<0.030	0.000075	<0.0010	2.11	0.00026
	19/06/17	<0.00010	0.00067	<0.030	0.000055	<0.0010	2.13	0.00011
QUL-58-AT	10/04/17	<0.00010	0.00076	<0.030	0.000275	<0.0010	2.21	0.00066
	05/06/17	<0.00010	0.00089	<0.030	0.000385	<0.0010	2.09	0.00053
	12/06/17	<0.00010	0.0007	<0.030	0.000131	<0.0010	2.08	0.00043
	19/06/17	<0.00010	0.00057	<0.030	0.000053	<0.0010	1.95	0.00024
	27/06/17	<0.00010	0.0009	<0.030	0.000284	<0.0010	2.35	0.00084
QUL-58-B	10/04/17	<0.00010	0.00092	<0.030	0.000239	<0.0010	2.17	0.00023
	09/05/17	<0.00010	0.00098	<0.030	0.000294	<0.0010	2.28	0.00026
	15/05/17	<0.00010	0.00097	<0.030	0.000295	0.0011	2.1	0.0002
	22/05/17	<0.00010	0.00089	<0.030	0.000329	0.0011	2.26	0.00022
	29/05/17	<0.00010	0.00075	<0.030	<0.000050	0.001	2.08	0.0002
	05/06/17	<0.00010	0.00092	<0.030	0.000192	<0.0010	2.17	0.00025
	12/06/17	<0.00010	0.00077	<0.030	0.000167	<0.0010	2.29	0.0003
	19/06/17	<0.00010	0.00065	<0.030	<0.000050	<0.0010	2.11	0.0001
	27/06/17	<0.00010	0.0009	<0.030	0.000171	0.0011	2.2	0.00031
QUL-58-BT	10/04/17	<0.00010	0.00082	<0.030	0.000221	<0.0010	2.31	0.00086
	05/06/17	<0.00010	0.00081	<0.030	0.000287	<0.0010	2.15	0.00064
	12/06/17	<0.00010	0.00066	<0.030	0.000104	<0.0010	2.19	0.0002
	19/06/17	<0.00010	0.00075	<0.030	<0.000050	<0.0010	2.25	0.00021
	27/06/17	<0.00010	0.00085	<0.030	0.000244	0.001	2.42	0.00116
QUL-58-MI D	09/05/17	<0.00010	0.00088	<0.030	0.000227	<0.0010	2.26	0.00029
	15/05/17	<0.00010	0.00092	<0.030	0.000174	0.0011	2.05	0.00022
	22/05/17	<0.00010	0.00101	<0.030	0.000672	0.0011	2.31	0.00085

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		Diss-Molybdenum (Mo) (mg/L)	Diss-Nickel (Ni) (mg/L)	Diss-Potassium (K) (mg/L)	Diss-Selenium (mg/L)	Diss-Silicon (Si) (mg/L)	Diss-Silver (Ag) (mg/L)	Diss-Sodium (Na) (mg/L)
QUL-2a-60 m	09/05/17	0.000374	<0.00050	0.520	0.000081	1.69	<0.000010	0.986
	19/06/17	0.000493	<0.00050	0.525	0.000117	1.79	<0.000010	1.05
QUL-58-AT	10/04/17	0.000604	<0.00050	0.571	0.000119	1.71	<0.000010	1.12
	05/06/17	0.000444	<0.00050	0.517	0.000137	1.68	<0.000010	1.02
	12/06/17	0.000422	<0.00050	0.513	0.000107	1.79	<0.000010	1.01
	19/06/17	0.000446	<0.00050	0.506	0.000109	1.79	<0.000010	0.964
	27/06/17	0.00157	<0.00050	0.548	0.000336	1.68	<0.000010	1.41
QUL-58-B	10/04/17	0.000826	<0.00050	0.570	0.000176	1.68	<0.000010	1.19
	09/05/17	0.000641	<0.00050	0.560	0.000165	1.73	<0.000010	1.16
	15/05/17	0.00062	<0.00050	0.507	0.000175	1.67	<0.000010	1.08
	22/05/17	0.000688	<0.00050	0.522	0.000108	1.75	<0.000010	1.17
	29/05/17	0.00064	<0.00050	0.494	0.000132	1.68	<0.000010	1.06
	05/06/17	0.000617	<0.00050	0.536	0.000157	1.67	<0.000010	1.11
	12/06/17	0.000755	<0.00050	0.521	0.000182	1.77	<0.000010	1.19
	19/06/17	0.000494	<0.00050	0.52	0.00013	1.76	<0.000010	1.07
	27/06/17	0.000757	<0.00050	0.511	0.000194	1.65	<0.000010	1.11
QUL-58-BT	10/04/17	0.000620	<0.00050	0.520	0.000109	1.74	<0.000010	1.14
	05/06/17	0.000594	<0.00050	0.519	0.000107	1.66	<0.000010	1.11
	12/06/17	0.000499	<0.00050	0.496	0.000101	1.79	<0.000010	1.07
	19/06/17	0.000447	<0.00050	0.551	0.000116	1.83	<0.000010	1.15
	27/06/17	0.00162	<0.00050	0.574	0.00038	1.65	<0.000010	1.52
QUL-58-MID	09/05/17	0.000622	<0.00050	0.558	0.000176	1.70	<0.000010	1.15
	15/05/17	0.000579	<0.00050	0.498	0.000127	1.62	<0.000010	1.06
	22/05/17	0.000663	<0.00050	0.522	0.000136	1.76	<0.000010	1.21

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		Diss-Vanadium (V) (mg/L)	Diss-Zinc (Zn) (mg/L)
QUL-2a-60 m	09/05/17	<0.00050	<0.0030
	19/06/17	<0.00050	<0.0030
QUL-58-AT	10/04/17	<0.00050	<0.0030
	05/06/17	<0.00050	<0.0030
	12/06/17	<0.00050	<0.0030
	19/06/17	<0.00050	<0.0030
	27/06/17	<0.00050	<0.0030
QUL-58-B	10/04/17	<0.00050	<0.0030
	09/05/17	<0.00050	<0.0030
	15/05/17	<0.00050	<0.0030
	22/05/17	<0.00050	<0.0030
	29/05/17	<0.00050	<0.0030
	05/06/17	<0.00050	<0.0030
	12/06/17	<0.00050	<0.0030
	19/06/17	<0.00050	<0.0030
	27/06/17	<0.00050	<0.0030
QUL-58-BT	10/04/17	<0.00050	<0.0030
	05/06/17	<0.00050	<0.0030
	12/06/17	<0.00050	<0.0030
	19/06/17	<0.00050	<0.0030
	27/06/17	<0.00050	<0.0030
QUL-58-MI D	09/05/17	<0.00050	<0.0030
	15/05/17	<0.00050	<0.0030
	22/05/17	<0.00050	<0.0030

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		Conductivity (µs/cm)	Hardness (mg/L)	pH (pH)	TDS (mg/L)	TSS (mg/L)	NTU (ntu)	Alkalinity (CaCO ₃) (mg/L)
QUL-58-MI	29/05/17	112	52	7.85	81	1.1	0.34	50.8
QUL-58-S	10/04/17	114	54.5	7.92	75	1.6	0.92	50.6
	09/05/17	116	53.8	7.82	82	1.8	0.70	49.6
	15/05/17	116	53.9	7.93	76	7.3	0.55	51.8
	22/05/17	112	51.2	7.94	75	<1.0	0.28	50.1
	29/05/17	111	51.4	7.91	72	<1.0	0.34	49.4
	05/06/17	103	48.1	7.86	76	4.2	0.49	48.1
	12/06/17	104	48.2	8	65	<1.0	0.56	45.2
	19/06/17	100	48.4	7.84	71	<1.0	0.37	44.2
	27/06/17	99.9	49.6	7.88	72	<1.0	0.41	46.9
QUL-ZOO-	21/06/17	103	48.5	7.93	63	<1.0	0.37	47.5
QUL-ZOO-	21/06/17	99.4	46.2	7.92	60	<1.0	0.47	45.2
QUL-120a-0m	10/04/17	116	52.5	7.94	73	<1.0	0.22	49.9
	21/06/17	99.3	46.4	7.91	73	<1.0	0.44	45.4
QUL-120a-	21/06/17	110	50.1	7.96	70	<1.0	0.27	50.5
QUL-120a-	21/06/17	109	50.9	7.95	68	<1.0	0.2	49.9
QUL-120a-	10/04/17	114	51.9	7.92	69	<1.0	0.29	49.6
QUL-120a-	21/06/17	109	50.2	7.95	58	<1.0	0.24	49.9
QUL-120a-80m	10/04/17	115	53.5	7.93	73	<1.0	0.19	49.2
	21/06/17	107	50.1	7.93	66	<1.0	0.3	49.7

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		Ammonia (as N) (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate (N) (mg/L)	Nitrate and Nitrite (mg/L)	Nitrite (N) (mg/L)	Diss-Orthophosphate (mg/L)
QUL-58-MI	29/05/17	<0.0050	<0.50	0.035	0.133	0.133	<0.0010	<0.0010
QUL-58-S	10/04/17	<0.0050	<0.50	0.032	0.136	0.136	<0.0010	<0.0010
	09/05/17	<0.0050	<0.50	0.033	0.136	0.136	<0.0010	0.0016
	15/05/17	0.0115	<0.50	0.033	0.14	0.14	<0.0010	<0.0010
	22/05/17	<0.0050	<0.50	0.034	0.127	0.127	<0.0010	<0.0010
	29/05/17	<0.0050	<0.50	0.035	0.118	0.118	<0.0010	<0.0010
	05/06/17	<0.0050	<0.50	0.034	0.106	0.106	<0.0010	<0.0010
	12/06/17	0.006	<0.50	0.032	0.105	0.105	<0.0010	<0.0010
	19/06/17	<0.0050	<0.50	0.031	0.11	0.11	<0.0010	<0.0010
	27/06/17	<0.0050	<0.50	0.032	0.0981	0.0981	<0.0010	<0.0010
QUL-ZOO-	21/06/17	<0.0050	<0.50	0.031	0.11	0.11	<0.0010	<0.0010
QUL-ZOO-	21/06/17	<0.0050	<0.50	0.031	0.106	0.106	<0.0010	<0.0010
QUL-120a-0m	10/04/17	<0.0050	<0.50	0.031	0.137	0.137	<0.0010	<0.0010
	21/06/17	<0.0050	<0.50	0.03	0.107	0.107	<0.0010	<0.0010
QUL-120a-	21/06/17	<0.0050	<0.50	0.031	0.142	0.142	<0.0010	<0.0010
QUL-120a-	21/06/17	<0.0050	<0.50	0.031	0.145	0.145	<0.0010	<0.0010
QUL-120a-	10/04/17	<0.0050	<0.50	0.031	0.143	0.143	<0.0010	0.0031
QUL-120a-	21/06/17	<0.0050	<0.50	0.031	0.14	0.14	<0.0010	<0.0010
QUL-120a-80m	10/04/17	<0.0050	<0.50	0.031	0.136	0.136	<0.0010	0.0015
	21/06/17	<0.0050	<0.50	0.031	0.142	0.142	<0.0010	<0.0010

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		Diss-Phosphorus (mg/L)	Total Phosphorus (mg/L)	Sulphate (mg/L)	Total Nitrogen (mg/L)	Dissolved Organic Ca (mg/L)	Aluminum (Al)-Total (mg/L)	Antimony (Sb)-Total (mg/L)
QUL-58-MI	29/05/17	<0.0020	<0.010	7.02	0.189	1.58	0.0195	<0.00010
QUL-58-S	10/04/17	0.0024	0.0035	7.63	0.225	2.35	0.0868	<0.00010
	09/05/17	0.0020	0.0034	8.05	0.202	2.00	0.0396	<0.00010
	15/05/17	<0.0020	<0.0020	7.45	0.194	2.26	0.0379	<0.00010
	22/05/17	<0.0020	<0.0020	6.94	0.18	2.02	0.0147	<0.00010
	29/05/17	<0.0020	<0.010	6.56	0.191	1.9	0.0233	<0.00010
	05/06/17	<0.0020	0.0036	6.03	0.191	2.56	0.026	<0.00010
	12/06/17	<0.0020	<0.0040	6.06	0.174	2	0.037	<0.00010
	19/06/17	<0.0020	<0.0020	6.05	0.194	1.92	0.0225	<0.00010
	27/06/17	<0.0020	<0.0020	5.9	0.152	2.05	0.0334	<0.00010
QUL-ZOO-	21/06/17	<0.0020	0.003	6.17	0.176	1.83	0.0416	0.0001
QUL-ZOO-	21/06/17	0.0024	0.0038	5.97	0.182	1.94	0.0258	0.00011
QUL-120a-0m	10/04/17	<0.0020	<0.0020	6.46	0.186	2.12	0.0095	<0.00010
	21/06/17	<0.0020	0.0041	5.97	0.198	2.1	0.0232	0.00011
QUL-120a-	21/06/17	<0.0020	<0.0020	6.54	0.184	1.66	0.0132	0.00011
QUL-120a-	21/06/17	<0.0020	<0.0020	6.54	0.184	1.45	0.0118	0.0001
QUL-120a-	10/04/17	0.0042	<0.010	6.41	0.175	1.45	0.0151	<0.00010
QUL-120a-	21/06/17	0.0022	<0.0020	6.46	0.187	1.58	0.0151	0.00012
QUL-120a-80m	10/04/17	0.0025	0.0022	6.46	0.184	1.54	0.0082	<0.00010
	21/06/17	<0.0020	0.002	6.48	0.186	1.71	0.0167	0.00011

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		Arsenic (As)-Total (mg/L)	Barium (Ba)-Total (mg/L)	Cadmium (Cd)-Total (mg/L)	Calcium (Ca)-Total (mg/L)	Chromium (Cr)-Total (mg/L)	Cobalt (Co)-Total (mg/L)	Copper (Cu)-Total (mg/L)
QUL-58-MI	29/05/17	0.00011	0.00574	<0.0000050	18.1	<0.00050	<0.00010	0.00097
QUL-58-S	10/04/17	0.00019	0.00662	<0.0000050	17.7	<0.00050	<0.00010	0.00174
	09/05/17	0.00020	0.00622	<0.0000050	17.9	<0.00050	<0.00010	0.00143
	15/05/17	0.00013	0.00583	<0.0000050	19.1	<0.00050	<0.00010	0.0014
	22/05/17	0.00012	0.00533	<0.0000050	18.8	<0.00050	<0.00010	0.00083
	29/05/17	0.00014	0.00569	<0.0000050	17	<0.00050	<0.00010	0.00093
	05/06/17	0.00014	0.00547	<0.0000050	15.9	<0.00050	<0.00010	0.00077
	12/06/17	0.00016	0.00692	0.0000058	17.2	<0.00050	<0.00010	0.00098
	19/06/17	0.00015	0.00568	<0.0000050	16.1	<0.00050	<0.00010	0.00078
	27/06/17	0.00014	0.00593	<0.0000050	17	<0.00050	<0.00010	0.00101
QUL-ZOO-	21/06/17	0.00015	0.00583	<0.0000050	16.5	<0.00050	<0.00010	0.0039
QUL-ZOO-	21/06/17	0.00013	0.00516	<0.0000050	16.3	<0.00050	<0.00010	0.00088
QUL-120a-0m	10/04/17	0.00012	0.00533	<0.0000050	17.7	<0.00050	<0.00010	0.00053
	21/06/17	0.00015	0.00511	<0.0000050	16.3	<0.00050	<0.00010	0.00061
QUL-120a-	21/06/17	0.00012	0.00476	<0.0000050	17.7	<0.00050	<0.00010	0.00065
QUL-120a-	21/06/17	0.00013	0.00472	<0.0000050	17.8	<0.00050	<0.00010	0.00054
QUL-120a-	10/04/17	0.00012	0.00526	<0.0000050	17.8	<0.00050	<0.00010	0.00075
QUL-120a-	21/06/17	0.00013	0.0049	<0.0000050	17.7	<0.00050	<0.00010	0.00057
QUL-120a-80m	10/04/17	0.00011	0.00519	<0.0000050	18.0	<0.00050	<0.00010	0.00054
	21/06/17	0.00013	0.00532	<0.0000050	17.8	<0.00050	<0.00010	0.00078

Monitoring data report for: Quesnel Lake



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Iron (Fe)-Total (mg/L)	Lead (Pb)-Total (mg/L)	Lithium (Li)-Total (mg/L)	Magnesium (Mg)-Total (mg/L)	Manganese (Mn)-Total (mg/L)	Molybdenum (Mo)-Total (mg/L)	Nickel (Ni)-Total (mg/L)
QUL-58-MI	29/05/17	<0.030	0.000188	<0.0010	2.2	0.00175	0.000545	<0.00050
QUL-58-S	10/04/17	0.095	<0.000050	0.0010	2.37	0.00432	0.000652	0.00052
	09/05/17	<0.030	<0.000050	0.0011	2.27	0.00337	0.000760	<0.00050
	15/05/17	0.032	<0.000050	<0.0010	2.25	0.00253	0.000706	<0.00050
	22/05/17	<0.030	<0.000050	<0.0010	2.27	0.00118	0.000538	<0.00050
	29/05/17	<0.030	<0.000050	<0.0010	2.15	0.00169	0.000482	<0.00050
	05/06/17	0.032	<0.000050	0.001	1.95	0.00208	0.000444	<0.00050
	12/06/17	0.034	<0.000050	<0.0010	2.41	0.00263	0.000411	0.00057
	19/06/17	0.041	<0.000050	0.001	1.93	0.00168	0.000457	<0.00050
	27/06/17	0.032	<0.000050	<0.0010	1.95	0.00166	0.000424	<0.00050
QUL-ZOO-	21/06/17	0.052	<0.000050	<0.0010	2.1	0.00217	0.00038	<0.00050
QUL-ZOO-	21/06/17	0.031	<0.000050	<0.0010	2.05	0.00192	0.000355	<0.00050
QUL-120a-0m	10/04/17	<0.030	<0.000050	<0.0010	2.07	0.00088	0.000337	<0.00050
	21/06/17	<0.030	<0.000050	<0.0010	2.04	0.00189	0.000345	<0.00050
QUL-120a-	21/06/17	<0.030	0.00006	<0.0010	2.22	0.00106	0.000326	<0.00050
QUL-120a-	21/06/17	<0.030	<0.000050	<0.0010	2.22	0.00094	0.000322	<0.00050
QUL-120a-	10/04/17	<0.030	0.000091	<0.0010	2.06	0.00133	0.000329	<0.00050
QUL-120a-	21/06/17	<0.030	0.000055	<0.0010	2.22	0.00104	0.000322	<0.00050
QUL-120a-80m	10/04/17	<0.030	0.000080	<0.0010	2.05	0.00063	0.000340	<0.00050
	21/06/17	<0.030	0.00008	<0.0010	2.24	0.00128	0.000348	<0.00050

Monitoring data report for: Quesnel Lake



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Potassium (K)-Total (mg/L)	Selenium (Se)-Total (mg/L)	Silicon (Si)-Total (mg/L)	Silver (Ag)-Total (mg/L)	Sodium (Na)-Total (mg/L)	Vanadium (V)-Total (mg/L)	Zinc (Zn)-Total (mg/L)
QUL-58-MI	29/05/17	0.532	0.000112	1.84	<0.000010	1.1	<0.00050	<0.0030
QUL-58-S	10/04/17	0.557	0.000213	2.14	<0.000010	1.26	<0.00050	<0.0030
	09/05/17	0.551	0.000175	1.85	<0.000010	1.23	<0.00050	<0.0030
	15/05/17	0.527	0.000134	1.82	<0.000010	1.16	<0.00050	<0.0030
	22/05/17	0.524	0.000111	1.84	<0.000010	1.09	<0.00050	<0.0030
	29/05/17	0.511	0.00012	1.89	<0.000010	1.05	<0.00050	<0.0030
	05/06/17	0.502	0.000112	1.79	<0.000010	0.96	<0.00050	<0.0030
	12/06/17	0.602	0.000117	1.83	<0.000010	1.11	<0.00050	<0.0030
	19/06/17	0.526	0.000112	1.81	<0.000010	0.967	<0.00050	<0.0030
	27/06/17	0.502	0.000122	1.85	<0.000010	0.929	<0.00050	<0.0030
QUL-ZOO-	21/06/17	0.542	0.0001	1.99	<0.000010	1.03	<0.00050	<0.0030
QUL-ZOO-	21/06/17	0.529	0.000084	1.95	<0.000010	1.01	<0.00050	<0.0030
QUL-120a-0m	10/04/17	0.488	0.000091	1.76	<0.000010	0.977	<0.00050	<0.0030
	21/06/17	0.51	0.000113	1.92	<0.000010	1.01	<0.00050	<0.0030
QUL-120a-	21/06/17	0.533	0.000069	1.83	<0.000010	1.04	<0.00050	<0.0030
QUL-120a-	21/06/17	0.521	0.000076	1.81	<0.000010	1.03	<0.00050	<0.0030
QUL-120a-	10/04/17	0.485	0.000096	1.76	<0.000010	0.965	<0.00050	<0.0030
QUL-120a-	21/06/17	0.52	0.0001	1.84	<0.000010	1.02	<0.00050	<0.0030
QUL-120a-80m	10/04/17	0.491	0.000099	1.72	<0.000010	0.965	<0.00050	<0.0030
	21/06/17	0.515	0.000089	1.85	<0.000010	1.06	<0.00050	<0.0030

Monitoring data report for: Quesnel Lake



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Aluminum (Al) (mg/L)	Diss-Antimony (Sb) (mg/L)	Diss-Arsenic (As) (mg/L)	Diss-Barium (Ba) (mg/L)	Diss-Cadmium (Cd) (mg/L)	Diss-Calcium (Ca) (mg/L)	Diss-Chromium (Cr) (mg/L)
QUL-58-MI	29/05/17	0.006	<0.00010	0.00011	0.00513	<0.0000050	17.5	<0.00050
QUL-58-S	10/04/17	0.0095	<0.00010	0.00012	0.00538	<0.0000050	18.2	<0.00050
	09/05/17	0.0071	<0.00010	0.00011	0.00563	<0.0000050	17.9	<0.00050
	15/05/17	0.0063	<0.00010	0.00011	0.00535	<0.0000050	18.1	<0.00050
	22/05/17	0.0067	<0.00010	0.00011	0.00548	<0.0000050	16.8	<0.00050
	29/05/17	0.0078	<0.00010	0.00012	0.0053	<0.0000050	17.2	<0.00050
	05/06/17	0.01	<0.00010	0.00011	0.00554	<0.0000050	16	<0.00050
	12/06/17	0.0116	<0.00010	0.00012	0.00541	<0.0000050	15.9	<0.00050
	19/06/17	0.0089	<0.00010	0.00012	0.00555	<0.0000050	16.1	<0.00050
	27/06/17	0.0102	<0.00010	0.00013	0.00532	<0.0000050	16.6	<0.00050
QUL-ZOO-	21/06/17	0.012	<0.00010	<0.00010	0.00509	<0.0000050	16	<0.00050
QUL-ZOO-	21/06/17	0.011	<0.00010	0.0001	0.00504	<0.0000050	15.3	<0.00050
QUL-120a-0m	10/04/17	0.0044	<0.00010	<0.00010	0.00508	<0.0000050	17.6	<0.00050
	21/06/17	0.0122	<0.00010	0.0001	0.00506	<0.0000050	15.3	<0.00050
QUL-120a-	21/06/17	0.0055	<0.00010	<0.00010	0.00479	<0.0000050	16.6	<0.00050
QUL-120a-	21/06/17	0.0054	<0.00010	<0.00010	0.00495	<0.0000050	17	<0.00050
QUL-120a-	10/04/17	0.0047	<0.00010	<0.00010	0.00488	<0.0000050	17.4	<0.00050
QUL-120a-	21/06/17	0.0061	<0.00010	<0.00010	0.00497	<0.0000050	16.7	<0.00050
QUL-120a-80m	10/04/17	0.0045	<0.00010	<0.00010	0.00493	<0.0000050	17.9	<0.00050
	21/06/17	0.0059	<0.00010	<0.00010	0.00486	<0.0000050	16.5	<0.00050

Monitoring data report for: Quesnel Lake



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Cobalt (Co) (mg/L)	Diss-Copper (Cu) (mg/L)	Diss-Iron (Fe) (mg/L)	Diss-Lead (Pb) (mg/L)	Diss-Lithium (Li) (mg/L)	Diss-Magnesium (Mg) (mg/L)	Diss-Manganese (Mn) (mg/L)
QUL-58-MI	29/05/17	<0.00010	0.00065	<0.030	<0.000050	<0.0010	2.01	0.00037
QUL-58-S	10/04/17	<0.00010	0.00092	<0.030	<0.000050	<0.0010	2.20	0.00115
	09/05/17	<0.00010	0.00091	<0.030	<0.000050	<0.0010	2.23	0.00102
	15/05/17	<0.00010	0.00078	<0.030	<0.000050	0.0011	2.11	0.0003
	22/05/17	<0.00010	0.00069	<0.030	<0.000050	0.001	2.25	0.00076
	29/05/17	<0.00010	0.00067	<0.030	<0.000050	<0.0010	2.08	0.00074
	05/06/17	<0.00010	0.00072	<0.030	<0.000050	<0.0010	1.96	0.00101
	12/06/17	<0.00010	0.00071	<0.030	<0.000050	<0.0010	2.07	0.00076
	19/06/17	<0.00010	0.00059	<0.030	<0.000050	<0.0010	1.99	0.00037
	27/06/17	<0.00010	0.00069	<0.030	<0.000050	<0.0010	1.99	0.0006
QUL-ZOO-	21/06/17	<0.00010	0.00068	<0.030	<0.000050	<0.0010	2.05	0.00048
QUL-ZOO-	21/06/17	<0.00010	0.00056	<0.030	<0.000050	<0.0010	1.95	0.00057
QUL-120a-0m	10/04/17	<0.00010	<0.00050	<0.030	<0.000050	<0.0010	2.10	0.00021
	21/06/17	<0.00010	0.00059	<0.030	<0.000050	<0.0010	1.99	0.00064
QUL-120a-	21/06/17	<0.00010	0.00054	<0.030	0.000062	<0.0010	2.06	0.00018
QUL-120a-	21/06/17	<0.00010	<0.00050	<0.030	0.00006	<0.0010	2.04	0.00015
QUL-120a-	10/04/17	<0.00010	0.00059	<0.030	0.000130	<0.0010	2.06	0.00017
QUL-120a-	21/06/17	<0.00010	0.00051	<0.030	0.000067	<0.0010	2.08	0.00018
QUL-120a-80m	10/04/17	<0.00010	0.00051	<0.030	0.000178	<0.0010	2.12	0.00016
	21/06/17	<0.00010	0.00064	<0.030	0.00009	<0.0010	2.12	0.00018

Monitoring data report for: Quesnel Lake



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Molybdenum (Mo) (mg/L)	Diss-Nickel (Ni) (mg/L)	Diss-Potassium (K) (mg/L)	Diss-Selenium (mg/L)	Diss-Silicon (Si) (mg/L)	Diss-Silver (Ag) (mg/L)	Diss-Sodium (Na) (mg/L)
QUL-58-MI	29/05/17	0.000521	<0.00050	0.477	0.000119	1.72	<0.000010	1
QUL-58-S	10/04/17	0.000639	<0.00050	0.556	0.000129	1.76	<0.000010	1.14
	09/05/17	0.000663	<0.00050	0.553	0.000141	1.71	<0.000010	1.17
	15/05/17	0.000561	<0.00050	0.51	0.000144	1.65	<0.000010	1.12
	22/05/17	0.00052	<0.00050	0.505	0.000115	1.74	<0.000010	1.12
	29/05/17	0.000462	<0.00050	0.5	0.000143	1.8	<0.000010	1
	05/06/17	0.000401	<0.00050	0.501	0.000101	1.76	<0.000010	0.943
	12/06/17	0.000437	<0.00050	0.514	0.000112	1.88	<0.000010	1.02
	19/06/17	0.000351	<0.00050	0.529	0.000139	1.81	<0.000010	0.993
	27/06/17	0.000342	<0.00050	0.486	0.000107	1.64	<0.000010	0.917
QUL-ZOO-	21/06/17	0.000353	<0.00050	0.494	0.000085	1.7	<0.000010	0.96
QUL-ZOO-	21/06/17	0.000323	<0.00050	0.458	0.000118	1.86	<0.000010	0.88
QUL-120a-0m	10/04/17	0.000313	<0.00050	0.535	0.000090	1.61	<0.000010	0.938
	21/06/17	0.000321	<0.00050	0.479	0.000083	1.66	<0.000010	0.906
QUL-120a-	21/06/17	0.000303	<0.00050	0.478	0.000082	1.62	<0.000010	0.955
QUL-120a-	21/06/17	0.000297	<0.00050	0.486	0.000076	1.69	<0.000010	0.949
QUL-120a-	10/04/17	0.000300	<0.00050	0.502	0.000085	1.63	<0.000010	0.941
QUL-120a-	21/06/17	0.000298	<0.00050	0.455	0.000083	1.66	<0.000010	0.941
QUL-120a-80m	10/04/17	0.000303	<0.00050	0.525	0.000077	1.62	<0.000010	0.940
	21/06/17	0.000303	<0.00050	0.465	0.000104	1.67	<0.000010	0.942

Monitoring data report for: Quesnel Lake



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Vanadium (V) (mg/L)	Diss-Zinc (Zn) (mg/L)
QUL-58-MI	29/05/17	<0.00050	<0.0030
QUL-58-S	10/04/17	<0.00050	<0.0030
	09/05/17	<0.00050	<0.0030
	15/05/17	<0.00050	<0.0030
	22/05/17	<0.00050	<0.0030
	29/05/17	<0.00050	<0.0030
	05/06/17	<0.00050	<0.0030
	12/06/17	<0.00050	<0.0030
	19/06/17	<0.00050	<0.0030
	27/06/17	<0.00050	<0.0030
QUL-ZOO-	21/06/17	<0.00050	<0.0030
QUL-ZOO-	21/06/17	<0.00050	<0.0030
QUL-120a-0m	10/04/17	<0.00050	<0.0030
	21/06/17	<0.00050	<0.0030
QUL-120a-	21/06/17	<0.00050	<0.0030
QUL-120a-	21/06/17	<0.00050	<0.0030
QUL-120a-	10/04/17	<0.00050	<0.0030
QUL-120a-	21/06/17	<0.00050	<0.0030
QUL-120a-80m	10/04/17	<0.00050	<0.0030
	21/06/17	<0.00050	<0.0030

Monitoring data report for: Edney Creek



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Conductivity (µs/cm)	Hardness (mg/L)	pH (pH)	TDS (mg/L)	TSS (mg/L)	NTU (ntu)	Alkalinity (CaCO ₃) (mg/L)
EDC-01	03/04/17	130	67.4	7.86	121	11.9	6.81	63.3
	18/04/17	96.9	53.1	7.79	98	13	7.18	49.4
	25/04/17	90.9	48.2	7.79	63	6	4.25	45
	02/05/17	96	50.5	7.81	87	4.9	2.52	47.8
	09/05/17	97.8	49.5	7.83	90	4.8	2.64	47.8
	17/05/17	99.7	54.8	7.76	99	4.7	1.7	50.3
	23/05/17	119	62.9	7.92	112	2.5	1.0	62.2
	01/06/17	153	75.9	8.08	117	1.5	1.34	75.8

Monitoring data report for: Edney Creek



Mount Polley
Mining Corporation
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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Ammonia (as N) (mg/L)	Chloride (mg/L)	Nitrate (N) (mg/L)	Nitrate and Nitrite (mg/L)	Nitrite (N) (mg/L)	Diss-Orthophosphate (mg/L)	Diss-Phosphorus (mg/L)
EDC-01	03/04/17	0.007	<0.50	0.258	0.258	<0.0010	0.0036	0.0231
	18/04/17	0.0098	<0.50	0.0581	0.0581	<0.0010	0.0019	0.0101
	25/04/17	<0.0050	<0.50	0.0532	0.0532	<0.0010	0.0018	0.0119
	02/05/17	0.0061	<0.50	0.0354	0.0354	<0.0010	<0.0010	0.01
	09/05/17	0.0062	<0.50	0.016	0.016	<0.0010	0.001	0.0104
	17/05/17	0.0061	<0.50	0.0103	0.0103	<0.0010	<0.0010	0.0091
	23/05/17	0.0068	<0.50	0.0090	0.0090	<0.0010	<0.0010	0.0076
	01/06/17	0.0084	<0.50	0.0089	0.0089	<0.0010	0.0018	0.0085

Monitoring data report for: Edney Creek



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Total Phosphorus (mg/L)	Sulphate (mg/L)	Total Nitrogen (mg/L)	Dissolved Organic Ca (mg/L)	Aluminum (Al)-Total (mg/L)	Antimony (Sb)-Total (mg/L)	Arsenic (As)-Total (mg/L)
EDC-01	03/04/17	0.042	4.73	0.954	20.5	0.478	<0.00010	0.0006
	18/04/17	0.0166	1.96	0.65	17.1	0.52	<0.00010	0.00055
	25/04/17	0.0117	1.38	0.615	17.2	0.341	<0.00010	0.00043
	02/05/17	0.0156	1.78	0.538	17.3	0.175	<0.00010	0.00042
	09/05/17	0.0142	1.33	0.559	16.9	0.217	<0.00010	0.00041
	17/05/17	0.0115	1.55	0.529	19.2	0.198	<0.00010	0.00042
	23/05/17	0.0090	2.06	0.539	19.2	0.123	<0.00010	0.00058
	01/06/17	0.0096	3.52	0.492	16.4	0.0949	<0.00010	0.00074

Monitoring data report for: Edney Creek



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Barium (Ba)-Total (mg/L)	Cadmium (Cd)-Total (mg/L)	Calcium (Ca)-Total (mg/L)	Chromium (Cr)-Total (mg/L)	Cobalt (Co)-Total (mg/L)	Copper (Cu)-Total (mg/L)	Iron (Fe)-Total (mg/L)
EDC-01	03/04/17	0.0156	0.000013	18.3	0.00148	0.00032	0.00502	0.743
	18/04/17	0.0117	0.0000132	13.8	0.00145	0.00032	0.00481	0.682
	25/04/17	0.00949	0.0000106	12.8	0.0012	0.00021	0.00357	0.451
	02/05/17	0.0092	0.0000118	13.8	0.00083	0.00012	0.00339	0.267
	09/05/17	0.00868	0.0000079	13.8	0.00086	0.00015	0.00302	0.309
	17/05/17	0.0101	0.0000063	14.9	0.0009	0.00012	0.00335	0.263
	23/05/17	0.0114	0.0000073	16.8	0.00077	<0.00010	0.00340	0.228
	01/06/17	0.0132	0.0000107	21	0.00063	0.0001	0.0037	0.197

Monitoring data report for: Edney Creek



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Lead (Pb)-Total (mg/L)	Magnesium (Mg)-Total (mg/L)	Manganese (Mn)-Total (mg/L)	Molybdenum (Mo)-Total (mg/L)	Nickel (Ni)-Total (mg/L)	Potassium (K)-Total (mg/L)	Selenium (Se)-Total (mg/L)
EDC-01	03/04/17	0.000169	5.12	0.0309	0.000786	0.00186	0.848	0.000211
	18/04/17	0.000195	3.84	0.0213	0.00042	0.00185	0.68	0.000132
	25/04/17	0.000101	3.78	0.0122	0.000393	0.00157	0.581	0.000081
	02/05/17	0.000072	4.17	0.00953	0.000549	0.00129	0.561	0.00014
	09/05/17	0.000077	3.63	0.00997	0.000414	0.00133	0.527	0.000113
	17/05/17	0.000053	4.19	0.00983	0.000474	0.00138	0.574	0.000113
	23/05/17	<0.000050	4.38	0.0117	0.000542	0.00128	0.645	0.000121
	01/06/17	0.000056	5.57	0.0135	0.000823	0.0013	0.772	0.000144

Monitoring data report for: Edney Creek



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Silicon (Si)-Total (mg/L)	Silver (Ag)-Total (mg/L)	Sodium (Na)-Total (mg/L)	Zinc (Zn)-Total (mg/L)	Diss-Aluminum (Al) (mg/L)	Diss-Antimony (Sb) (mg/L)	Diss-Arsenic (As) (mg/L)
EDC-01	03/04/17	5.46	0.000024	2.88	<0.0030	0.095	<0.00010	0.00043
	18/04/17	4.68	0.000012	2.16	<0.0060	0.172	<0.00010	0.00037
	25/04/17	4.02	<0.000010	1.98	<0.0030	0.117	<0.00010	0.00031
	02/05/17	3.91	<0.000010	2.31	<0.0030	0.0951	<0.00010	0.00036
	09/05/17	3.5	<0.000010	2	<0.0030	0.0887	<0.00010	0.00039
	17/05/17	3.52	0.000011	2.25	<0.0030	0.0907	<0.00010	0.00042
	23/05/17	3.18	<0.000010	2.69	<0.0030	0.0607	<0.00010	0.00058
	01/06/17	3.27	0.000022	3.22	<0.0030	0.0404	<0.00010	0.00077

Monitoring data report for: Edney Creek



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Barium (Ba) (mg/L)	Diss-Cadmium (Cd) (mg/L)	Diss-Calcium (Ca) (mg/L)	Diss-Chromium (Cr) (mg/L)	Diss-Cobalt (Co) (mg/L)	Diss-Copper (Cu) (mg/L)	Diss-Iron (Fe) (mg/L)
EDC-01	03/04/17	0.0116	0.0000096	18.2	0.00061	<0.00010	0.00378	0.223
	18/04/17	0.0103	0.0000083	14.6	0.00073	<0.00010	0.00321	0.215
	25/04/17	0.00812	0.0000061	12.9	0.00064	<0.00010	0.00303	0.155
	02/05/17	0.00835	0.0000063	13.6	0.00059	<0.00010	0.00307	0.14
	09/05/17	0.0083	0.0000071	13.2	0.00064	<0.00010	0.00305	0.126
	17/05/17	0.00934	0.0000096	15.2	0.00064	<0.00010	0.00331	0.139
	23/05/17	0.0107	0.0000069	16.8	0.00064	<0.00010	0.00330	0.124
	01/06/17	0.0135	0.000008	20.3	0.00062	<0.00010	0.00637	0.124

Monitoring data report for: Edney Creek



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Lead (Pb) (mg/L)	Diss-Magnesium (Mg) (mg/L)	Diss-Manganese (Mn) (mg/L)	Diss-Molybdenum (Mo) (mg/L)	Diss-Nickel (Ni) (mg/L)	Diss-Potassium (K) (mg/L)	Diss-Selenium (mg/L)
EDC-01	03/04/17	<0.000050	5.34	0.0093	0.000725	0.00123	0.811	0.000152
	18/04/17	<0.000050	4.05	0.00217	0.000409	0.00121	0.675	0.00011
	25/04/17	<0.000050	3.86	0.0026	0.000339	0.00121	0.588	0.000085
	02/05/17	<0.000050	4.02	0.00318	0.000539	0.0011	0.562	0.000108
	09/05/17	<0.000050	4	0.0035	0.00036	0.00115	0.547	0.000104
	17/05/17	<0.000050	4.12	0.0043	0.000445	0.00125	0.591	0.000116
	23/05/17	<0.000050	5.05	0.00715	0.000534	0.00125	0.665	0.000151
	01/06/17	<0.000050	6.15	0.00944	0.00083	0.00122	0.746	0.000144

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Monitoring data report for: Edney Creek



Mount Polley
Mining Corporation
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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Silicon (Si) (mg/L)	Diss-Silver (Ag) (mg/L)	Diss-Sodium (Na) (mg/L)	Diss-Zinc (Zn) (mg/L)	Diss-Vanadium (V) (mg/L)	Vanadium (V)-Total (mg/L)	Diss-Lithium (Li) (mg/L)
EDC-01	03/04/17	4.6	<0.000010	2.87	<0.0030	0.00059	0.00151	<0.0010
	18/04/17	3.96	<0.000010	2.07	<0.0030	0.00071	0.00154	<0.0010
	25/04/17	3.73	<0.000010	2.05	<0.0030	0.00067	0.00117	<0.0010
	02/05/17	3.54	<0.000010	2.14	<0.0030	0.0006	0.00089	<0.0010
	09/05/17	3.3	<0.000010	2.15	<0.0030	0.00058	0.00097	<0.0010
	17/05/17	3.06	<0.000010	2.33	<0.0030	0.00064	0.00093	<0.0010
	23/05/17	2.96	<0.000010	2.74	<0.0030	0.00083	0.00089	<0.0010
	01/06/17	3.22	<0.000010	3.37	<0.0030	0.00067	0.00087	<0.0010

Monitoring data report for: Edney Creek



Mount Polley
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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Lithium (Li)-Total (mg/L)	Fluoride (mg/L)
EDC-01	03/04/17	<0.0010	0.035
	18/04/17	<0.0010	0.034
	25/04/17	<0.0010	0.035
	02/05/17	<0.0010	0.041
	09/05/17	<0.0010	0.037
	17/05/17	<0.0010	0.039
	23/05/17	<0.0010	0.039
	01/06/17	<0.0010	0.052

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Monitoring data report for: Hazeltine Creek



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Conductivity (µs/cm)	Hardness (mg/L)	pH (pH)	TDS (mg/L)	TSS (mg/L)	NTU (ntu)	Alkalinity (CaCO ₃) (mg/L)
HAC-05a	03/04/17	342	153	8.15	224	25.6	11	110
	02/05/17	291	130	8.21	199	5.9	2.48	107
	01/06/17	290	127	8.3	167	2.6	1.04	106
	13/06/17	1200	584	8.1	927	8.8	3.19	94.2
HAC-08	03/04/17	279	127	8.13	201	45.4	24.1	93.9
	02/05/17	273	124	8.22	205	13.5	4.65	100
	01/06/17	298	133	8.29	184	8.6	1.5	110
	13/06/17	994	489	8.27	777	4.2	0.93	105
HAC-13 - HAC U/S	03/04/17	331	147	8.12	217	2.7	3.19	105
	02/05/17	281	123	8.19	218	2.7	1.9	99.1
	01/06/17	283	125	8.28	169	1.3	0.76	98.7
	06/06/17	284	121	8.19	211	1.3	1.22	105
	13/06/17	288	132	8.38	183	<1.0	0.69	100
	20/06/17	304	147	8.25	211	<1.0	0.75	106
	27/06/17	307	135	8.21	211	<1.0	0.75	105
HAC-10	03/04/17	257	115	7.97	178	2	1.7	85.3
	02/05/17	278	119	8.21	186	3.2	2.05	98.5
	01/06/17	278	119	8.28	161	2.1	1.16	99.8
HAC-12	03/04/17	281	129	8.07	195	13.5	14.5	95.9
	11/04/17	254	112	8.11	180	20.9	18.5	90.6
	18/04/17	229	107	8.03	177	18.1	14.4	84.6
	25/04/17	272	126	8.12	177	9.5	8.57	97.8

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Monitoring data report for: Hazeltine Creek



Mount Polley
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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Ammonia (as N) (mg/L)	Chloride (mg/L)	Nitrate (N) (mg/L)	Nitrate and Nitrite (mg/L)	Nitrite (N) (mg/L)	Diss-Orthophosphate (mg/L)	Diss-Phosphorus (mg/L)
HAC-05a	03/04/17	0.018	1.19	0.137	0.137	<0.0010	0.0064	0.0161
	02/05/17	0.0096	1.17	0.0288	0.0288	<0.0010	0.0024	0.0083
	01/06/17	<0.0050	1.24	0.0176	0.0176	<0.0010	0.0032	0.0094
	13/06/17	0.0985	14.3	9.23	9.3	0.0764	<0.0010	0.0026
HAC-08	03/04/17	0.0115	0.85	0.182	0.182	<0.0010	0.0051	0.0198
	02/05/17	<0.0050	1.01	0.0205	0.0216	0.0011	0.0018	0.0079
	01/06/17	<0.0050	1.25	<0.0050	<0.0051	<0.0010	0.0019	0.0073
	13/06/17	0.0319	11	7.11	7.17	0.0554	<0.0010	0.0034
HAC-13 - HAC U/S	03/04/17	0.0112	1.23	0.124	0.124	<0.0010	0.0056	0.0168
	02/05/17	0.006	1.15	0.0112	0.0112	<0.0010	0.0014	0.0076
	01/06/17	<0.0050	1.21	0.0119	0.0119	<0.0010	0.0019	0.0083
	06/06/17	0.0061	1.16	0.0245	0.0245	<0.0010	0.0033	0.0083
	13/06/17	0.0064	1.24	0.0632	0.0632	<0.0010	0.0075	0.0124
	20/06/17	<0.0050	1.28	0.0461	0.0461	<0.0010	0.0056	0.0122
	27/06/17	0.006	1.28	0.0442	0.0442	<0.0010	0.0042	0.0092
HAC-10	03/04/17	0.0056	1.06	0.107	0.107	<0.0010	0.01	0.0192
	02/05/17	<0.0050	1.13	<0.0050	<0.0051	<0.0010	<0.0010	0.0058
	01/06/17	<0.0050	1.21	<0.0050	<0.0051	<0.0010	<0.0010	0.0064
HAC-12	03/04/17	0.012	0.83	0.197	0.197	<0.0010	0.0047	0.0194
	11/04/17	0.0094	0.68	0.103	0.103	<0.0010	0.0029	0.0135
	18/04/17	0.0071	0.61	0.0729	0.0729	<0.0010	0.0022	0.0116
	25/04/17	0.0055	0.74	0.0641	0.0641	<0.0010	0.0019	0.0092

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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Total Phosphorus (mg/L)	Sulphate (mg/L)	Total Nitrogen (mg/L)	Dissolved Organic Ca (mg/L)	Aluminum (Al)-Total (mg/L)	Antimony (Sb)-Total (mg/L)	Arsenic (As)-Total (mg/L)
HAC-05a	03/04/17	0.0288	65.2	0.599	10.1	0.725	0.00014	0.00096
	02/05/17	0.0239	46.9	0.369	6.8	0.145	0.00014	0.00083
	01/06/17	0.0173	46.3	0.312	6.29	0.051	0.00011	0.00076
	13/06/17	0.013	529	10	3.38	0.549	0.00127	0.00115
HAC-08	03/04/17	0.074	47.7	0.797	12.7	1.34	0.00015	0.00123
	02/05/17	0.0287	42.4	0.372	8.33	0.294	0.00014	0.00089
	01/06/17	0.0176	47.8	0.319	5.89	0.112	0.00013	0.0009
	13/06/17	0.0084	416	7.29	3.73	0.23	0.00096	0.00104
HAC-13 - HAC U/S	03/04/17	0.032	64.6	0.506	9.43	0.186	0.00014	0.0007
	02/05/17	0.0194	45.7	0.372	6.41	0.0718	0.00014	0.00073
	01/06/17	0.0107	45.2	0.325	6.02	0.0388	0.00011	0.00076
	06/06/17	0.0097	45.9	0.331	6.66	0.055	0.00013	0.00072
	13/06/17	0.0136	49.6	0.339	5.28	0.0484	0.00015	0.00081
	20/06/17	0.013	54.8	0.327	5.27	0.0444	0.00020	0.00077
	27/06/17	0.011	55.3	0.295	5.58	0.0436	0.00017	0.00078
HAC-10	03/04/17	0.0294	40.2	0.52	7.85	0.0934	0.0001	0.0007
	02/05/17	0.0162	42.3	0.328	5.91	0.107	0.00013	0.00079
	01/06/17	0.0129	43.7	0.292	6.06	0.0443	<0.00010	0.00073
HAC-12	03/04/17	0.0262	48	0.667	12.4	0.579	0.00013	0.00088
	11/04/17	0.033	36.3	0.541	12.2	0.95	0.00013	0.00096
	18/04/17	0.0329	33.7	0.474	11	0.964	0.00011	0.0009
	25/04/17	0.0122	38.2	0.469	10.1	0.469	0.00011	0.0008

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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Barium (Ba)-Total (mg/L)	Cadmium (Cd)-Total (mg/L)	Calcium (Ca)-Total (mg/L)	Chromium (Cr)-Total (mg/L)	Cobalt (Co)-Total (mg/L)	Copper (Cu)-Total (mg/L)	Iron (Fe)-Total (mg/L)
HAC-05a	03/04/17	0.0298	0.0000306	46.6	0.00097	0.00071	0.0356	0.85
	02/05/17	0.0144	0.0000137	42	<0.00050	0.00015	0.0127	0.157
	01/06/17	0.0121	<0.0000050	39.7	<0.00050	<0.00010	0.00644	0.045
	13/06/17	0.0638	<0.00010	199	<0.00050	0.00041	0.0186	0.241
HAC-08	03/04/17	0.0332	0.000032	38.3	0.00224	0.00108	0.0369	1.62
	02/05/17	0.0186	0.0000177	38.7	0.00053	0.00024	0.0155	0.352
	01/06/17	0.0149	<0.0000050	41.7	<0.00050	0.00011	0.0087	0.118
	13/06/17	0.0541	<0.000060	163	<0.00050	0.00016	0.00956	0.091
HAC-13 - HAC U/S	03/04/17	0.0187	0.0000164	45.4	<0.00050	0.00031	0.0196	0.204
	02/05/17	0.0124	0.0000113	40.4	<0.00050	<0.00010	0.00843	0.077
	01/06/17	0.0114	<0.0000050	38.1	<0.00050	<0.00010	0.00584	0.035
	06/06/17	0.0132	<0.0000050	39.7	<0.00050	<0.00010	0.00772	0.041
	13/06/17	0.0177	0.0000057	44.6	<0.00050	<0.00010	0.01	0.034
	20/06/17	0.0169	<0.0000050	41.7	<0.00050	<0.00010	0.00927	0.044
	27/06/17	0.0184	0.0000071	46.2	<0.00050	<0.00010	0.0103	0.034
HAC-10	03/04/17	0.0126	<0.0000050	35.7	<0.00050	<0.00010	0.00671	0.131
	02/05/17	0.0117	0.0000097	39	<0.00050	<0.00010	0.00644	0.083
	01/06/17	0.00999	<0.0000050	38.1	<0.00050	<0.00010	0.00463	0.038
HAC-12	03/04/17	0.0267	0.0000277	39.4	0.00107	0.00052	0.0287	0.651
	11/04/17	0.0262	0.0000233	34.4	0.00177	0.00067	0.024	1.21
	18/04/17	0.0259	0.0000217	33.3	0.00175	0.00058	0.0225	1.02
	25/04/17	0.0249	0.0000188	39.1	0.00097	0.00037	0.0187	0.59

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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Lead (Pb)-Total (mg/L)	Magnesium (Mg)-Total (mg/L)	Manganese (Mn)-Total (mg/L)	Mercury (Hg)-Total (mg/L)	Molybdenum (Mo)-Total (mg/L)	Nickel (Ni)-Total (mg/L)	Potassium (K)-Total (mg/L)
HAC-05a	03/04/17	0.000286	8.22	0.192		0.0133	0.00117	1.63
	02/05/17	0.000075	6.94	0.058		0.00944	<0.00050	1.34
	01/06/17	<0.000050	5.81	0.0207		0.00896	<0.00050	1.3
	13/06/17	0.000091	36.5	0.0923	<0.0000050	0.149	0.00106	6.78
HAC-08	03/04/17	0.000544	7.62	0.135		0.00958	0.00263	1.57
	02/05/17	0.000143	7.05	0.0548		0.00819	0.00077	1.32
	01/06/17	0.000062	6.23	0.0264		0.00944	<0.00050	1.4
	13/06/17	<0.000050	29.1	0.0445		0.112	0.00054	4.96
HAC-13 - HAC U/S	03/04/17	0.000064	7.3	0.106		0.0147	0.00055	1.43
	02/05/17	<0.000050	6.05	0.028		0.00957	<0.00050	1.24
	01/06/17	<0.000050	5.55	0.0115		0.0089	<0.00050	1.28
	06/06/17	<0.000050	5.41	0.014		0.00958	<0.00050	1.21
	13/06/17	<0.000050	6.46	0.00874	<0.0000050	0.0109	<0.00050	1.36
	20/06/17	<0.000050	6.20	0.00802		0.0109	<0.00050	1.39
	27/06/17	<0.000050	6.97	0.00909		0.0119	<0.00050	1.44
HAC-10	03/04/17	<0.000050	5.44	0.0178		0.00843	<0.00050	1.27
	02/05/17	<0.000050	6.01	0.0144		0.00879	<0.00050	1.24
	01/06/17	<0.000050	5.36	0.00864		0.00856	<0.00050	1.22
HAC-12	03/04/17	0.000263	7.86	0.132		0.00958	0.00151	1.49
	11/04/17	0.000354	7.09	0.114		0.00637	0.00206	1.29
	18/04/17	0.00035	6.36	0.118		0.00566	0.00193	1.34
	25/04/17	0.000163	7.66	0.151		0.00633	0.00131	1.26

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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Selenium (Se)-Total (mg/L)	Silicon (Si)-Total (mg/L)	Silver (Ag)-Total (mg/L)	Sodium (Na)-Total (mg/L)	Zinc (Zn)-Total (mg/L)	Diss-Aluminum (Al) (mg/L)	Diss-Antimony (Sb) (mg/L)
HAC-05a	03/04/17	0.000982	4.81	0.000018	10.1	0.0041	0.035	0.00012
	02/05/17	0.000652	3.04	<0.000010	9.96	<0.0030	0.0158	0.00011
	01/06/17	0.000617	2.49	<0.000010	8.98	<0.0030	0.0084	0.00011
	13/06/17	0.0441	5.91	<0.000010	41.4	0.005	0.129	0.00134
HAC-08	03/04/17	0.0007	6.09	0.000024	7.87	0.0075	0.074	0.00012
	02/05/17	0.000638	3.54	<0.000010	8.83	<0.0030	0.0422	0.00011
	01/06/17	0.00064	2.63	<0.000010	9.11	<0.0030	0.0132	0.00012
	13/06/17	0.0328	4.84	<0.000010	32.3	<0.0030	0.11	0.001
HAC-13 - HAC U/S	03/04/17	0.000846	3.42	<0.000010	10	<0.0030	0.0317	0.00013
	02/05/17	0.000584	2.73	<0.000010	9.09	<0.0030	0.01	0.00011
	01/06/17	0.000615	2.34	<0.000010	9.03	<0.0030	0.0051	0.00011
	06/06/17	0.000596	2.03	<0.000010	8.6	<0.0030	0.0067	0.00011
	13/06/17	0.000673	2.19	<0.000010	10.3	<0.0030	0.0068	0.00016
	20/06/17	0.000682	2.07	<0.000010	9.93	<0.0030	0.0060	0.00015
	27/06/17	0.000782	2.09	<0.000010	11	<0.0030	0.0114	0.00015
HAC-10	03/04/17	0.000605	3.19	<0.000010	8.26	<0.0030	0.0214	<0.00010
	02/05/17	0.000603	2.8	<0.000010	9.29	<0.0030	0.0116	<0.00010
	01/06/17	0.000532	2.31	<0.000010	8.73	0.0031	0.0047	<0.00010
HAC-12	03/04/17	0.000734	4.79	0.000016	7.89	0.0101	0.0727	0.00011
	11/04/17	0.000485	5.33	0.000017	6.72	0.0047	0.0749	<0.00010
	18/04/17	0.000452	5.32	0.000016	6.12	<0.0090	0.0685	<0.00010
	25/04/17	0.00046	4.19	<0.000010	7.24	<0.0030	0.0804	<0.00010

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		Diss-Arsenic (As) (mg/L)	Diss-Barium (Ba) (mg/L)	Diss-Cadmium (Cd) (mg/L)	Diss-Calcium (Ca) (mg/L)	Diss-Chromium (Cr) (mg/L)	Diss-Cobalt (Co) (mg/L)	Diss-Copper (Cu) (mg/L)
HAC-05a	03/04/17	0.00067	0.0197	0.0000202	48.1	<0.00050	0.0003	0.018
	02/05/17	0.00074	0.0131	0.000006	41.2	<0.00050	<0.00010	0.00773
	01/06/17	0.00078	0.0123	<0.0000050	40.5	<0.00050	<0.00010	0.00533
	13/06/17	0.00094	0.0593	<0.000090	177	<0.00050	0.00018	0.00784
HAC-08	03/04/17	0.00061	0.0194	0.0000226	38.5	<0.00050	0.00021	0.0168
	02/05/17	0.0007	0.0152	0.0000065	39	<0.00050	<0.00010	0.00971
	01/06/17	0.00083	0.0146	<0.0000050	41.7	<0.00050	<0.00010	0.00653
	13/06/17	0.00094	0.0539	<0.000060	149	<0.00050	<0.00010	0.00731
HAC-13 - HAC U/S	03/04/17	0.00068	0.0176	0.0000185	46.4	<0.00050	0.00025	0.0154
	02/05/17	0.0007	0.0116	<0.0000050	39.6	<0.00050	<0.00010	0.0065
	01/06/17	0.00081	0.0119	<0.0000050	39.7	<0.00050	<0.00010	0.00498
	06/06/17	0.00073	0.0128	<0.0000050	39	<0.00050	<0.00010	0.00619
	13/06/17	0.00077	0.0163	<0.0000050	42.2	<0.00050	<0.00010	0.00868
	20/06/17	0.00073	0.0166	<0.0000050	49.1	<0.00050	<0.00010	0.00775
	27/06/17	0.00068	0.0177	0.0000082	43.9	<0.00050	<0.00010	0.00839
HAC-10	03/04/17	0.00074	0.0125	<0.0000050	36.3	<0.00050	<0.00010	0.0054
	02/05/17	0.00069	0.0105	<0.0000050	38.2	<0.00050	<0.00010	0.00394
	01/06/17	0.00072	0.0102	<0.0000050	38.1	<0.00050	<0.00010	0.0036
HAC-12	03/04/17	0.00061	0.0204	0.0000224	39.1	<0.00050	0.00021	0.0171
	11/04/17	0.00057	0.0166	0.0000169	34.1	<0.00050	0.00016	0.0143
	18/04/17	0.00055	0.0171	0.000016	32.9	<0.00050	0.00015	0.0132
	25/04/17	0.0006	0.0202	0.0000134	38.2	<0.00050	0.00013	0.0138

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		Diss-Iron (Fe) (mg/L)	Diss-Lead (Pb) (mg/L)	Diss-Magnesium (Mg) (mg/L)	Diss-Manganese (Mn) (mg/L)	Diss-Molybdenum (Mo) (mg/L)	Diss-Nickel (Ni) (mg/L)	Diss-Potassium (K) (mg/L)
HAC-05a	03/04/17	0.115	<0.000050	7.92	0.171	0.0122	0.00058	1.51
	02/05/17	0.038	<0.000050	6.48	0.0436	0.0094	<0.00050	1.31
	01/06/17	<0.030	<0.000050	6.37	0.0153	0.00885	<0.00050	1.29
	13/06/17	<0.030	<0.000050	34.6	0.0727	0.149	0.0005	6.29
HAC-08	03/04/17	0.112	0.000054	7.46	0.102	0.00872	0.00079	1.44
	02/05/17	0.051	<0.000050	6.61	0.0388	0.00812	<0.00050	1.3
	01/06/17	<0.030	<0.000050	6.89	0.0138	0.00938	<0.00050	1.36
	13/06/17	<0.030	<0.000050	28.5	0.0337	0.112	<0.00050	4.93
HAC-13 - HAC U/S	03/04/17	0.061	<0.000050	7.57	0.104	0.0133	<0.00050	1.49
	02/05/17	<0.030	<0.000050	5.98	0.0218	0.00956	<0.00050	1.25
	01/06/17	<0.030	<0.000050	6.23	0.00765	0.00895	<0.00050	1.3
	06/06/17	<0.030	<0.000050	5.72	0.0101	0.00917	<0.00050	1.28
	13/06/17	<0.030	<0.000050	6.46	0.00569	0.0114	<0.00050	1.37
	20/06/17	<0.030	<0.000050	6.02	0.00490	0.0124	<0.00050	1.37
	27/06/17	<0.030	<0.000050	6.14	0.00568	0.0112	<0.00050	1.43
HAC-10	03/04/17	0.051	<0.000050	5.93	0.0158	0.00747	<0.00050	1.37
	02/05/17	<0.030	<0.000050	5.72	0.00814	0.00872	<0.00050	1.24
	01/06/17	<0.030	<0.000050	5.83	0.00655	0.0085	<0.00050	1.22
HAC-12	03/04/17	0.112	<0.000050	7.52	0.115	0.00854	0.0008	1.42
	11/04/17	0.104	<0.000050	6.43	0.0927	0.00577	0.00067	1.27
	18/04/17	0.107	<0.000050	5.89	0.0902	0.00509	0.00072	1.04
	25/04/17	0.109	<0.000050	7.34	0.135	0.00572	0.00071	1.14

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		Diss-Selenium (mg/L)	Diss-Silicon (Si) (mg/L)	Diss-Silver (Ag) (mg/L)	Diss-Sodium (Na) (mg/L)	Diss-Zinc (Zn) (mg/L)	Diss-Vanadium (V) (mg/L)	Vanadium (V)-Total (mg/L)
HAC-05a	03/04/17	0.000924	3.27	<0.000010	9.66	<0.0030	0.00074	0.00253
	02/05/17	0.000617	2.61	<0.000010	8.72	<0.0030	0.00075	0.00119
	01/06/17	0.00062	2.45	<0.000010	9.51	<0.0030	0.00093	0.00108
	13/06/17	0.0438	5.38	<0.000010	37.7	<0.0030	0.00114	0.00194
HAC-08	03/04/17	0.000686	3.66	<0.000010	7.79	<0.0030	0.00076	0.00387
	02/05/17	0.000615	2.92	<0.000010	7.95	<0.0030	0.00074	0.00151
	01/06/17	0.000622	2.48	<0.000010	9.7	<0.0030	0.00091	0.00118
	13/06/17	0.0327	4.64	<0.000010	30	<0.0030	0.00107	0.00137
HAC-13 - HAC U/S	03/04/17	0.000854	2.97	<0.000010	10.3	0.0088	0.00071	0.00106
	02/05/17	0.000603	2.33	<0.000010	8.77	<0.0030	0.00074	0.00104
	01/06/17	0.000631	2.28	<0.000010	9.57	<0.0030	0.0009	0.00099
	06/06/17	0.000583	2.06	<0.000010	8.95	<0.0030	0.0009	0.00108
	13/06/17	0.000668	1.89	<0.000010	9.56	<0.0030	0.00107	0.00121
	20/06/17	0.000661	2.02	<0.000010	9.75	<0.0030	0.00090	0.00110
	27/06/17	0.000801	1.98	<0.000010	10.1	0.0044	0.00103	0.00123
HAC-10	03/04/17	0.000629	2.92	<0.000010	8.57	<0.0030	0.00074	0.00092
	02/05/17	0.00064	2.39	<0.000010	8.65	<0.0030	0.00075	0.00109
	01/06/17	0.000592	2.31	<0.000010	8.98	<0.0030	0.00085	0.00096
HAC-12	03/04/17	0.000692	3.71	<0.000010	7.61	<0.0030	0.00072	0.00193
	11/04/17	0.000473	3.47	<0.000010	6.06	<0.0030	0.00071	0.00282
	18/04/17	0.000441	3.33	<0.000010	5.37	<0.0030	0.00068	0.00282
	25/04/17	0.000449	3.39	<0.000010	7	<0.0030	0.00074	0.00169

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		Diss-Lithium (Li) (mg/L)	Lithium (Li)-Total (mg/L)	Fluoride (mg/L)
HAC-05a	03/04/17	<0.0010	0.0013	0.087
	02/05/17	<0.0010	<0.0010	0.089
	01/06/17	<0.0010	<0.0010	0.087
	13/06/17	0.0074	0.0085	0.44
HAC-08	03/04/17	<0.0010	0.0021	0.073
	02/05/17	0.001	0.0012	0.086
	01/06/17	0.0011	0.0013	0.091
	13/06/17	0.0055	0.0063	0.32
HAC-13 - HAC U/S	03/04/17	<0.0010	0.0011	0.086
	02/05/17	<0.0010	<0.0010	0.087
	01/06/17	<0.0010	<0.0010	0.084
	06/06/17	<0.0010	<0.0010	0.088
	13/06/17	<0.0010	0.0011	0.092
	20/06/17	<0.0010	<0.0010	0.092
	27/06/17	<0.0010	<0.0010	0.098
HAC-10	03/04/17	<0.0010	<0.0010	0.067
	02/05/17	<0.0010	0.001	0.082
	01/06/17	<0.0010	0.001	0.082
HAC-12	03/04/17	<0.0010	0.0016	0.074
	11/04/17	<0.0010	0.0017	0.064
	18/04/17	<0.0010	<0.0010	0.068
	25/04/17	<0.0010	0.0017	0.075

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		Conductivity (µs/cm)	Hardness (mg/L)	pH (pH)	TDS (mg/L)	TSS (mg/L)	NTU (ntu)	Alkalinity (CaCO ₃) (mg/L)
HAC-12	02/05/17	293	132	8.18	204	5	4.13	111
	09/05/17	311	143	8.18	200	15.8	11.3	115
	17/05/17	296	143	8.06	201	12.4	7.59	111
	23/05/17	304	139	8.20	203	4.1	2.30	114
	01/06/17	321	140	8.27	186	3.2	1.46	117
	06/06/17	344	152	8.17	249	8.5	2.86	130
	13/06/17	665	310	8.22	494	2	1.1	112
	20/06/17	758	331	8.19	561	<1.0	0.48	111
	27/06/17	738	321	8.11	568	1	0.54	104

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		Ammonia (as N) (mg/L)	Chloride (mg/L)	Nitrate (N) (mg/L)	Nitrate and Nitrite (mg/L)	Nitrite (N) (mg/L)	Diss-Orthophosphate (mg/L)	Diss-Phosphorus (mg/L)
HAC-12	02/05/17	<0.0050	0.99	0.0159	0.0159	<0.0010	0.0012	0.0063
	09/05/17	<0.0050	1.06	<0.0050	<0.0051	<0.0010	0.0012	0.0074
	17/05/17	<0.0050	1	<0.0050	<0.0051	<0.0010	0.0014	0.0065
	23/05/17	<0.0050	1.12	<0.0050	<0.0051	<0.0010	<0.0010	0.0057
	01/06/17	<0.0050	1.22	<0.0050	<0.0051	<0.0010	0.0017	0.0068
	06/06/17	0.0089	1.22	<0.0050	<0.0051	<0.0010	0.0015	0.0065
	13/06/17	0.0293	6.1	3.62	3.65	0.0302	<0.0010	0.0041
	20/06/17	0.0316	8.0	4.06	4.10	0.0316	<0.0010	0.0025
	27/06/17	0.0375	8.2	3.97	4	0.0292	<0.0010	0.0041

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		Total Phosphorus (mg/L)	Sulphate (mg/L)	Total Nitrogen (mg/L)	Dissolved Organic Ca (mg/L)	Aluminum (Al)-Total (mg/L)	Antimony (Sb)-Total (mg/L)	Arsenic (As)-Total (mg/L)
HAC-12	02/05/17	0.0173	45.4	0.353	8.18	0.155	0.00014	0.00084
	09/05/17	0.0212	47.1	0.364	7.18	0.486	0.00012	0.00092
	17/05/17	0.0146	46	0.331	7.74	0.434	0.00012	0.00094
	23/05/17	0.0121	47.2	0.292	6.54	0.154	0.00014	0.00085
	01/06/17	0.0096	49.4	0.251	5.97	0.0786	0.00013	0.00087
	06/06/17	0.0118	52.8	0.306	6.18	0.16	0.00016	0.001
	13/06/17	0.0053	237	3.85	4.56	0.159	0.00055	0.00094
	20/06/17	0.0048	277	4.41	4.34	0.180	0.00073	0.00090
	27/06/17	0.01	274	4.27	4.57	0.183	0.00076	0.00099

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		Barium (Ba)-Total (mg/L)	Cadmium (Cd)-Total (mg/L)	Calcium (Ca)-Total (mg/L)	Chromium (Cr)-Total (mg/L)	Cobalt (Co)-Total (mg/L)	Copper (Cu)-Total (mg/L)	Iron (Fe)-Total (mg/L)
HAC-12	02/05/17	0.0202	0.0000167	42.8	<0.00050	0.00016	0.0136	0.191
	09/05/17	0.0231	0.000016	42.5	0.0009	0.00036	0.0125	0.595
	17/05/17	0.0241	0.0000091	43.8	0.00088	0.00032	0.0124	0.519
	23/05/17	0.0201	0.0000127	42.7	<0.00050	0.00014	0.00968	0.167
	01/06/17	0.0181	<0.0000050	44.6	<0.00050	<0.00010	0.00822	0.089
	06/06/17	0.0238	0.0000185	46.8	<0.00050	0.0002	0.0111	0.185
	13/06/17	0.0386	<0.000050	106	<0.00050	0.00013	0.00952	0.057
	20/06/17	0.0393	<0.000030	104	<0.00050	<0.00010	0.00749	<0.030
	27/06/17	0.0383	<0.000035	108	<0.00050	<0.00010	0.00774	<0.030

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		Lead (Pb)-Total (mg/L)	Magnesium (Mg)-Total (mg/L)	Manganese (Mn)-Total (mg/L)	Mercury (Hg)-Total (mg/L)	Molybdenum (Mo)-Total (mg/L)	Nickel (Ni)-Total (mg/L)	Potassium (K)-Total (mg/L)
HAC-12	02/05/17	0.000079	8	0.108		0.00793	0.00055	1.32
	09/05/17	0.000192	7.49	0.115		0.00823	0.0012	1.39
	17/05/17	0.000162	7.78	0.0949		0.0083	0.00117	1.41
	23/05/17	0.000064	6.64	0.0728		0.00916	0.00051	1.37
	01/06/17	0.000076	7.22	0.0851		0.00935	<0.00050	1.43
	06/06/17	0.000077	8.13	0.164		0.00965	0.0006	1.48
	13/06/17	<0.000050	19.2	0.0933	<0.0000050	0.0589	<0.00050	3.22
	20/06/17	<0.000050	18.5	0.0760		0.0667	<0.00050	4.56
	27/06/17	0.000058	19	0.0619		0.0698	<0.00050	5.35

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		Selenium (Se)-Total (mg/L)	Silicon (Si)-Total (mg/L)	Silver (Ag)-Total (mg/L)	Sodium (Na)-Total (mg/L)	Zinc (Zn)-Total (mg/L)	Diss-Aluminum (Al) (mg/L)	Diss-Antimony (Sb) (mg/L)
HAC-12	02/05/17	0.000568	3.46	<0.000010	9	<0.0030	0.0452	0.00011
	09/05/17	0.000523	3.81	<0.000010	8.62	0.0031	0.0284	<0.00010
	17/05/17	0.00057	4.04	0.000011	8.94	<0.0030	0.0286	0.00011
	23/05/17	0.000599	2.99	<0.000010	9.44	<0.0030	0.0198	0.00013
	01/06/17	0.000602	2.78	<0.000010	9.59	0.0049	0.0132	0.00012
	06/06/17	0.000646	2.95	<0.000010	9.61	<0.0030	0.0225	0.00016
	13/06/17	0.017	3.86	<0.000010	22.1	<0.0030	0.0892	0.0006
	20/06/17	0.0170	3.80	<0.000010	25.2	<0.0030	0.117	0.00069
	27/06/17	0.0171	3.89	<0.000010	28.7	<0.0030	0.124	0.0007

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		Diss-Arsenic (As) (mg/L)	Diss-Barium (Ba) (mg/L)	Diss-Cadmium (Cd) (mg/L)	Diss-Calcium (Ca) (mg/L)	Diss-Chromium (Cr) (mg/L)	Diss-Cobalt (Co) (mg/L)	Diss-Copper (Cu) (mg/L)
HAC-12	02/05/17	0.00069	0.0187	0.0000082	40.6	<0.00050	<0.00010	0.00993
	09/05/17	0.00075	0.0198	0.0000097	44.2	0.00174	<0.00010	0.00888
	17/05/17	0.00075	0.0204	0.000013	44.8	<0.00050	<0.00010	0.00886
	23/05/17	0.00085	0.0183	0.0000093	42.7	<0.00050	<0.00010	0.00780
	01/06/17	0.00078	0.0177	0.0000083	43.5	<0.00050	<0.00010	0.00706
	06/06/17	0.00091	0.0232	0.0000116	46.6	<0.00050	<0.00010	0.0076
	13/06/17	0.00087	0.0368	<0.000050	93.9	<0.00050	<0.00010	0.00765
	20/06/17	0.00084	0.0395	<0.000050	102	<0.00050	<0.00010	0.00650
	27/06/17	0.00087	0.0376	<0.000055	101	<0.00050	<0.00010	0.00636

Monitoring data report for: Hazeltine Creek



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Iron (Fe) (mg/L)	Diss-Lead (Pb) (mg/L)	Diss-Magnesium (Mg) (mg/L)	Diss-Manganese (Mn) (mg/L)	Diss-Molybdenum (Mo) (mg/L)	Diss-Nickel (Ni) (mg/L)	Diss-Potassium (K) (mg/L)
HAC-12	02/05/17	0.062	<0.000050	7.49	0.0962	0.00791	<0.00050	1.3
	09/05/17	0.05	<0.000050	7.92	0.115	0.00852	<0.00050	1.38
	17/05/17	0.037	<0.000050	7.66	0.0814	0.00831	<0.00050	1.33
	23/05/17	<0.030	<0.000050	7.85	0.0664	0.00957	<0.00050	1.45
	01/06/17	<0.030	<0.000050	7.61	0.0751	0.00911	<0.00050	1.36
	06/06/17	<0.030	<0.000050	8.63	0.158	0.00886	<0.00050	1.54
	13/06/17	<0.030	0.000111	18.3	0.0814	0.0603	<0.00050	3.06
	20/06/17	<0.030	<0.000050	18.3	0.0717	0.0651	<0.00050	4.54
	27/06/17	<0.030	<0.000050	16.9	0.0589	0.0658	<0.00050	5.23

Printed Date: 10-Aug-2017

Monitoring data report for: Hazeltine Creek



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Selenium (mg/L)	Diss-Silicon (Si) (mg/L)	Diss-Silver (Ag) (mg/L)	Diss-Sodium (Na) (mg/L)	Diss-Zinc (Zn) (mg/L)	Diss-Vanadium (V) (mg/L)	Vanadium (V)-Total (mg/L)
HAC-12	02/05/17	0.000597	3.04	<0.000010	8.07	<0.0030	0.00073	0.00115
	09/05/17	0.000596	3	<0.000010	9.17	<0.0030	0.00079	0.00211
	17/05/17	0.000556	2.8	<0.000010	8.98	<0.0030	0.00078	0.00186
	23/05/17	0.000693	2.60	<0.000010	9.65	<0.0030	0.00099	0.00130
	01/06/17	0.000597	2.66	<0.000010	9.69	<0.0030	0.00087	0.00105
	06/06/17	0.000682	2.87	<0.000010	9.95	<0.0030	0.00106	0.00146
	13/06/17	0.0165	3.56	<0.000010	19.7	<0.0030	0.00091	0.00119
	20/06/17	0.0176	3.85	<0.000010	25.2	<0.0030	0.00099	0.00108
	27/06/17	0.0178	3.78	<0.000010	26.6	<0.0030	0.00103	0.00116

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Monitoring data report for: Hazeltine Creek



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Lithium (Li) (mg/L)	Lithium (Li)-Total (mg/L)	Fluoride (mg/L)
HAC-12	02/05/17	<0.0010	0.0011	0.086
	09/05/17	0.0011	0.0011	0.086
	17/05/17	<0.0010	0.0012	0.085
	23/05/17	0.0011	<0.0010	0.078
	01/06/17	0.0012	0.0013	0.091
	06/06/17	0.0013	0.0013	0.103
	13/06/17	0.0034	0.0038	0.2
	20/06/17	0.0045	0.0043	0.26
	27/06/17	0.005	0.0052	0.27

Monitoring data report for: Permitted Surface Water Quality Site



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Conductivity (µs/cm)	Hardness (mg/L)	pH (pH)	TDS (mg/L)	TSS (mg/L)	NTU (ntu)	Alkalinity (CaCO ₃) (mg/L)
W1	06/04/17	99.5	47.5	7.6	88	4.6	2.4	44.5
	04/05/17	85.7	40.8	7.7	77	4.9	2.85	39
	07/06/17	105	46.9	7.89	62	5.7	2.64	48.9
W5	05/04/17	74.2	36.5	7.36	90	<1.0	2.95	34
	12/04/17					1.1	1.99	
	18/04/17					2.4	2.94	
	25/04/17					1.4	1.38	
	04/05/17	52	25.6	7.45	57	1.5	1.39	24.9
	20/06/17	141	69.9	7.93	112	<1.0	0.63	67.7
W8	05/04/17					11.9	3.04	
	12/04/17					2.6	1.61	
	18/04/17					3.6	2.54	
	25/04/17					1.1	1.36	
	04/05/17	159	78.9	7.98	125	26.5	1.89	75.8
W8z	01/05/17	48.4	22.8	7.3	81	<1.0	0.79	21.9
W10	03/04/17	124	60.6	7.8	115	9.5	5.46	60.6
	18/04/17	95.1	56.7	7.76	102	11.8	6.36	49
	25/04/17	89.5	45.5	7.81	101	7.1	4.00	44.4
	02/05/17	93.3	48.2	7.8	92	3.5	2.41	46
	09/05/17	94.9	51.8	7.85	88	6.1	3.86	48.5
	17/05/17	98.4	53.4	7.73	101	6	3.42	51.2
	23/05/17	114	65.2	7.91	109	2.9	1.78	60.0

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Monitoring data report for: Permitted Surface Water Quality Site



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Ammonia (as N) (mg/L)	Chloride (mg/L)	Nitrate (N) (mg/L)	Nitrate and Nitrite (mg/L)	Nitrite (N) (mg/L)	Diss-Orthophosphate (mg/L)	Diss-Phosphorus (mg/L)
W1	06/04/17	0.0052	1.83	0.0802	0.0802	<0.0010	0.0017	0.0119
	04/05/17	0.0055	0.9	0.0467	0.0467	<0.0010	0.0011	0.0076
	07/06/17	0.0098	0.98	0.0228	0.0228	<0.0010	0.0015	0.0062
W5	05/04/17	<0.0050	<0.50	0.0964	0.0964	<0.0010	0.0033	0.0208
	12/04/17							
	18/04/17							
	25/04/17							
	04/05/17	<0.0050	<0.50	0.0698	0.0698	<0.0010	0.0018	0.0114
	20/06/17	0.0052	<0.50	0.251	0.251	<0.0010	0.0052	0.008
W8	05/04/17							
	12/04/17							
	18/04/17							
	25/04/17							
	04/05/17	0.0066	1.47	0.0508	0.0508	<0.0010	0.0032	0.0133
W8z	01/05/17	<0.0050	<0.50	0.0865	0.0865	<0.0010	0.0011	0.0129
W10	03/04/17	0.0076	<0.50	0.247	0.247	<0.0010	0.0037	0.0209
	18/04/17	<0.0050	<0.50	0.0591	0.0591	<0.0010	0.0021	0.0136
	25/04/17	<0.0050	<0.50	0.0527	0.0527	<0.0010	0.0026	0.0128
	02/05/17	0.0057	<0.50	0.0341	0.0341	<0.0010	<0.0010	0.0103
	09/05/17	<0.0050	<0.50	0.0168	0.0168	<0.0010	<0.0010	0.0101
	17/05/17	0.0064	<0.50	0.012	0.012	<0.0010	0.0012	0.0091
	23/05/17	0.0067	<0.50	0.0119	0.0119	<0.0010	0.0012	0.0084

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Monitoring data report for: Permitted Surface Water Quality Site



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Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Total Phosphorus (mg/L)	Sulphate (mg/L)	Total Nitrogen (mg/L)	Dissolved Organic Ca (mg/L)	Aluminum (Al)-Total (mg/L)	Antimony (Sb)-Total (mg/L)	Arsenic (As)-Total (mg/L)
W1	06/04/17	0.0161	4.61	0.44	11.3	0.347	<0.00010	0.00033
	04/05/17	0.0122	4.32	0.443	11.9	0.282	<0.00010	0.00035
	07/06/17	0.0104	4.37	0.389	8.2	0.219	0.00014	0.00047
W5	05/04/17	0.025	4.87	0.624	16.9	0.342	<0.00010	0.00041
	12/04/17							
	18/04/17							
	25/04/17							
	04/05/17	0.019	1.22	0.53	15.3	0.238	<0.00010	0.00032
	20/06/17	0.0083	6.9	0.6	12.1	0.0687	<0.00010	0.00035
W8	05/04/17							
	12/04/17							
	18/04/17							
	25/04/17							
	04/05/17	0.021	5.22	0.65	21.7	0.197	<0.00010	0.00055
W8z	01/05/17	0.0118	<0.30	0.637	19	0.214	<0.00010	0.00028
W10	03/04/17	0.031	2.36	0.79	21.4	0.39	<0.00010	0.00058
	18/04/17	0.0263	1.41		17	0.482	<0.00010	0.0005
	25/04/17	0.0137	1.06	0.611	17.1	0.351	<0.00010	0.00045
	02/05/17	0.0148	1.16	0.564	17.7	0.199	<0.00010	0.00043
	09/05/17	0.0148	1.08	0.561	17.5	0.277	<0.00010	0.00044
	17/05/17	0.0086	1.05	0.559	20.3	0.242	<0.00010	0.00049
	23/05/17	0.0097	1.31	0.548	19.0	0.126	0.00013	0.00060

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Monitoring data report for: Permitted Surface Water Quality Site



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Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Barium (Ba)-Total (mg/L)	Cadmium (Cd)-Total (mg/L)	Calcium (Ca)-Total (mg/L)	Chromium (Cr)-Total (mg/L)	Cobalt (Co)-Total (mg/L)	Copper (Cu)-Total (mg/L)	Iron (Fe)-Total (mg/L)
W1	06/04/17	0.0126	0.0000069	14.2	0.00062	0.00016	0.00806	0.379
	04/05/17	0.0131	0.0000053	12.4	0.0006	0.00015	0.00683	0.332
	07/06/17	0.0175	0.0000057	14.1	<0.00050	0.00013	0.00507	0.282
W5	05/04/17	0.0119	0.0000104	10.6	0.00089	0.00016	0.0101	0.329
	12/04/17							
	18/04/17							
	25/04/17							
	04/05/17	0.00794	0.0000084	7.33	0.00068	0.00011	0.00921	0.194
	20/06/17	0.0152	0.0000058	19.4	<0.00050	<0.00010	0.0074	0.11
W8	05/04/17							
	12/04/17							
	18/04/17							
	25/04/17							
	04/05/17	0.00981	0.0000089	19.9	0.00084	0.00013	0.00379	0.248
W8z	01/05/17	0.00481	0.0000086	6.1	0.00093	<0.00010	0.00315	0.222
W10	03/04/17	0.0127	0.0000128	17.6	0.00127	0.00028	0.00376	0.648
	18/04/17	0.0109	0.0000148	13.8	0.0014	0.00031	0.00363	0.674
	25/04/17	0.00966	0.0000108	12.6	0.00118	0.00021	0.00327	0.473
	02/05/17	0.00891	0.0000104	13.6	0.00088	0.00014	0.00317	0.301
	09/05/17	0.00903	0.0000077	10.8	0.00095	0.00016	0.00285	0.354
	17/05/17	0.0103	0.0000074	14.8	0.00096	0.00014	0.00332	0.322
	23/05/17	0.0109	0.0000085	17.1	0.00078	0.00011	0.00291	0.246

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Monitoring data report for: Permitted Surface Water Quality Site



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IMPERIAL METALS CORPORATION

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		Lead (Pb)-Total (mg/L)	Magnesium (Mg)-Total (mg/L)	Manganese (Mn)-Total (mg/L)	Molybdenum (Mo)-Total (mg/L)	Nickel (Ni)-Total (mg/L)	Potassium (K)-Total (mg/L)	Selenium (Se)-Total (mg/L)
W1	06/04/17	0.000076	3.4	0.0283	0.000384	0.00058	0.464	0.0001
	04/05/17	0.000066	2.77	0.0196	0.000478	0.0005	0.412	0.000089
	07/06/17	0.00006	2.95	0.0316	0.000815	<0.00050	0.433	0.000121
W5	05/04/17	0.000085	2.68	0.00648	0.00035	0.00096	0.714	0.000337
	12/04/17							
	18/04/17							
	25/04/17							
	04/05/17	<0.000050	1.7	0.00686	0.000257	0.00084	0.459	0.000097
	20/06/17	<0.000050	4.5	0.026	0.00111	0.0006	0.727	0.000154
W8	05/04/17							
	12/04/17							
	18/04/17							
	25/04/17							
	04/05/17	<0.000050	7.5	0.0178	0.00147	0.00141	0.913	0.000243
W8z	01/05/17	<0.000050	1.84	0.00223	0.000106	0.00118	0.527	0.000125
W10	03/04/17	0.000142	4.96	0.0268	0.000339	0.00173	0.781	0.000128
	18/04/17	0.000188	3.8	0.0221	0.000388	0.00184	0.643	0.000108
	25/04/17	0.000112	3.81	0.0127	0.000433	0.00162	0.605	0.000102
	02/05/17	0.000123	4.12	0.00965	0.000343	0.00144	0.553	0.00011
	09/05/17	0.00006	3.79	0.0113	0.000277	0.00136	0.536	0.000111
	17/05/17	0.000084	4.17	0.0104	0.000364	0.00138	0.58	0.00012
	23/05/17	0.000052	4.50	0.00916	0.000442	0.00126	0.627	0.000147

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Mining Corporation
IMPERIAL METALS CORPORATION

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		Silicon (Si)-Total (mg/L)	Silver (Ag)-Total (mg/L)	Sodium (Na)-Total (mg/L)	Zinc (Zn)-Total (mg/L)	Diss-Aluminum (Al) (mg/L)	Diss-Antimony (Sb) (mg/L)	Diss-Arsenic (As) (mg/L)
W1	06/04/17	4.99	0.000016	2.46	<0.0030	0.133	<0.00010	0.00025
	04/05/17	3.71	<0.000010	2.3	<0.0030	0.079	<0.00010	0.00023
	07/06/17	2.35	<0.000010	2.63	<0.0030	0.0273	<0.00010	0.00036
W5	05/04/17	4.84	0.000021	2.27	0.0086	0.164	<0.00010	0.00025
	12/04/17							
	18/04/17							
	25/04/17							
	04/05/17	3.99	<0.000010	1.89	0.0196	0.172	<0.00010	0.00022
	20/06/17	4.72	<0.000010	4.07	0.0089	0.0376	<0.00010	0.00037
W8	05/04/17							
	12/04/17							
	18/04/17							
	25/04/17							
	04/05/17	4.04	<0.000010	4.31	<0.0030	0.125	<0.00010	0.0005
W8z	01/05/17	3.86	<0.000010	2.22	<0.0030	0.187	<0.00010	0.00026
W10	03/04/17	5.4	0.000015	2.57	0.0032	0.094	<0.00010	0.00036
	18/04/17	4.57	0.000011	2.04	<0.0060	0.196	<0.00010	0.00038
	25/04/17	4.26	0.000011	2.04	<0.0030	0.117	<0.00010	0.00032
	02/05/17	4	<0.000010	2.25	<0.0030	0.101	<0.00010	0.00034
	09/05/17	3.41	<0.000010	2.05	<0.0030	0.0921	<0.00010	0.0004
	17/05/17	3.58	0.000015	2.19	<0.0030	0.0866	<0.00010	0.0004
	23/05/17	3.07	<0.000010	2.50	<0.0030	0.0616	<0.00010	0.00054

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		Diss-Barium (Ba) (mg/L)	Diss-Cadmium (Cd) (mg/L)	Diss-Calcium (Ca) (mg/L)	Diss-Chromium (Cr) (mg/L)	Diss-Cobalt (Co) (mg/L)	Diss-Copper (Cu) (mg/L)	Diss-Iron (Fe) (mg/L)
W1	06/04/17	0.0112	<0.0000050	13.9	<0.00050	<0.00010	0.00567	0.163
	04/05/17	0.0106	<0.0000050	11.9	<0.00050	<0.00010	0.005	0.096
	07/06/17	0.0146	<0.0000050	14.1	<0.00050	<0.00010	0.00314	0.072
W5	05/04/17	0.00998	0.0000079	10.4	0.00057	<0.00010	0.00794	0.156
	12/04/17							
	18/04/17							
	25/04/17							
	04/05/17	0.00699	0.0000052	7.35	0.00058	<0.00010	0.00828	0.116
	20/06/17	0.0164	0.0000057	20.1	<0.00050	<0.00010	0.0071	0.064
W8	05/04/17							
	12/04/17							
	18/04/17							
	25/04/17							
	04/05/17	0.00891	0.0000059	19	0.00063	<0.00010	0.00339	0.139
W8z	01/05/17	0.00468	0.0000071	5.98	0.00088	<0.00010	0.00316	0.195
W10	03/04/17	0.00935	0.0000091	16.6	0.0006	<0.00010	0.00253	0.209
	18/04/17	0.008	0.0000078	15.8	0.0008	<0.00010	0.00298	0.233
	25/04/17	0.00747	0.0000082	12.2	0.00068	<0.00010	0.00255	0.161
	02/05/17	0.00797	0.0000055	12.7	0.00058	<0.00010	0.00264	0.146
	09/05/17	0.00812	0.000006	14	0.00088	<0.00010	0.00275	0.135
	17/05/17	0.00895	0.0000105	14.6	0.00064	<0.00010	0.00295	0.139
	23/05/17	0.0102	0.0000062	17.9	0.00063	<0.00010	0.00289	0.129

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Mining Corporation
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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Lead (Pb) (mg/L)	Diss-Magnesium (Mg) (mg/L)	Diss-Manganese (Mn) (mg/L)	Diss-Molybdenum (Mo) (mg/L)	Diss-Nickel (Ni) (mg/L)	Diss-Potassium (K) (mg/L)	Diss-Selenium (mg/L)
W1	06/04/17	<0.000050	3.13	0.00964	0.000348	<0.00050	0.464	0.000083
	04/05/17	<0.000050	2.69	0.00122	0.000437	<0.00050	0.388	0.000076
	07/06/17	<0.000050	2.82	0.0163	0.000781	<0.00050	0.419	0.000123
W5	05/04/17	<0.000050	2.57	0.00336	0.000314	0.00073	0.674	0.000347
	12/04/17							
	18/04/17							
	25/04/17							
	04/05/17	<0.000050	1.76	0.001	0.000249	0.00069	0.461	0.000087
	20/06/17	<0.000050	4.78	0.00973	0.00101	0.00059	0.816	0.00017
W8	05/04/17							
	12/04/17							
	18/04/17							
	25/04/17							
	04/05/17	<0.000050	7.65	0.00249	0.00133	0.00122	0.933	0.000186
W8z	01/05/17	<0.000050	1.91	0.00133	0.000102	0.00121	0.552	0.000117
W10	03/04/17	<0.000050	4.67	0.00713	0.000246	0.00109	0.687	0.000123
	18/04/17	0.000058	4.2	0.00211	0.000293	0.00125	0.708	0.000091
	25/04/17	<0.000050	3.66	0.00215	0.000266	0.00123	0.541	0.000093
	02/05/17	<0.000050	3.97	0.00239	0.000327	0.00113	0.553	0.000105
	09/05/17	<0.000050	4.06	0.00301	0.00034	0.00115	0.547	0.000111
	17/05/17	<0.000050	4.15	0.00282	0.000362	0.00126	0.565	0.000134
	23/05/17	<0.000050	4.99	0.00438	0.000458	0.00122	0.652	0.000122

Printed Date: 10-Aug-2017

Monitoring data report for: Permitted Surface Water Quality Site



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Silicon (Si) (mg/L)	Diss-Silver (Ag) (mg/L)	Diss-Sodium (Na) (mg/L)	Diss-Zinc (Zn) (mg/L)	Diss-Vanadium (V) (mg/L)	Vanadium (V)-Total (mg/L)	Diss-Lithium (Li) (mg/L)
W1	06/04/17	4.25	<0.000010	2.34	<0.0030	0.00065	0.00125	<0.0010
	04/05/17	3.51	<0.000010	2.27	<0.0030	<0.00050	0.00115	<0.0010
	07/06/17	2.03	<0.000010	2.58	<0.0030	0.00075	0.00155	<0.0010
W5	05/04/17	4.4	<0.000010	2.23	0.006	<0.00050	0.0009	<0.0010
	12/04/17							
	18/04/17							
	25/04/17							
	04/05/17	3.96	<0.000010	1.95	0.0153	<0.00050	0.00064	<0.0010
	20/06/17	5.06	<0.000010	4.46	0.0079	<0.00050	0.00056	<0.0010
W8	05/04/17							
	12/04/17							
	18/04/17							
	25/04/17							
	04/05/17	4.03	<0.000010	4.35	<0.0030	<0.00050	0.00075	<0.0010
W8z	01/05/17	3.76	<0.000010	2.31	<0.0030	0.00069	0.0007	<0.0010
W10	03/04/17	4.51	<0.000010	2.27	<0.0030	0.00053	0.00133	<0.0010
	18/04/17	4.28	<0.000010	2.36	<0.0030	0.00072	0.00148	<0.0010
	25/04/17	3.71	<0.000010	1.94	<0.0030	0.00061	0.00136	<0.0010
	02/05/17	3.49	<0.000010	2.02	<0.0030	0.0006	0.00092	<0.0010
	09/05/17	3.29	<0.000010	2.12	<0.0030	0.0006	0.00101	<0.0010
	17/05/17	3.01	<0.000010	2.39	<0.0030	0.00058	0.00102	<0.0010
	23/05/17	2.98	<0.000010	2.64	<0.0030	0.00073	0.00087	<0.0010

Monitoring data report for: Permitted Surface Water Quality Site



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Lithium (Li)-Total (mg/L)	Fluoride (mg/L)
W1	06/04/17	<0.0010	0.044
	04/05/17	<0.0010	0.042
	07/06/17	<0.0010	0.059
W5	05/04/17	<0.0010	0.041
	12/04/17		
	18/04/17		
	25/04/17		
	04/05/17	<0.0010	0.037
	20/06/17	<0.0010	0.062
W8	05/04/17		
	12/04/17		
	18/04/17		
	25/04/17		
	04/05/17	<0.0010	0.05
W8z	01/05/17	<0.0010	0.031
W10	03/04/17	<0.0010	0.031
	18/04/17	<0.0010	0.034
	25/04/17	<0.0010	0.034
	02/05/17	<0.0010	0.038
	09/05/17	<0.0010	0.036
	17/05/17	<0.0010	0.038
	23/05/17	<0.0010	0.038

Printed Date: 10-Aug-2017

Monitoring data report for: Permitted Surface Water Quality Site



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Conductivity (µs/cm)	Hardness (mg/L)	pH (pH)	TDS (mg/L)	TSS (mg/L)	NTU (ntu)	Alkalinity (CaCO ₃) (mg/L)
W10	01/06/17	141	73	8.07	114	1.8	1.06	74.6
W12	04/05/17	128	59.6	7.81	104	10	0.55	50.4
W20 Creek	25/05/17	124	59.4	7.70	121	2.1	2.29	43.0
W4a	05/04/17	249	121	8.08	196	11.6	5.2	105
	12/04/17					5.8	4.18	
	18/04/17					18.3	8.18	
	25/04/17					4.1	3.94	
	04/05/17	195	95.8	8.03	142	3.7	3.81	76.3
	07/06/17	287	137	8.29	184	1	0.69	117

		Conductivity (µs/cm)	Hardness (mg/L)	pH (pH)	TDS (mg/L)	TSS (mg/L)	NTU (ntu)	Alkalinity (CaCO ₃) (mg/L)
QUR-11	12/04/17	112	54.7	7.93	75	<1.0	0.4	51.6
	11/05/17	114	52.8	7.91	75	1.1	0.55	50.9
	01/06/17	112	54.3	7.97	67	<1.0	0.51	50.2

Monitoring data report for: Permitted Surface Water Quality Site



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Ammonia (as N) (mg/L)	Chloride (mg/L)	Nitrate (N) (mg/L)	Nitrate and Nitrite (mg/L)	Nitrite (N) (mg/L)	Diss-Orthophosphate (mg/L)	Diss-Phosphorus (mg/L)
W10	01/06/17	0.0061	<0.50	0.011	0.011	<0.0010	0.0018	0.009
W12	04/05/17	<0.0050	1.1	<0.0050	<0.0051	<0.0010	<0.0010	0.0052
W20 Creek	25/05/17	0.0085	<0.50	0.132	0.132	<0.0010	0.0064	0.0198
W4a	05/04/17	<0.0050	<0.50	0.109	0.109	<0.0010	0.0102	0.0174
	12/04/17							
	18/04/17							
	25/04/17							
	04/05/17	<0.0050	<0.50	0.0241	0.0241	<0.0010	0.0078	0.0106
	07/06/17	<0.0050	<0.50	0.0262	0.0262	<0.0010	0.01	0.0102

		Ammonia (as N) (mg/L)	Chloride (mg/L)	Nitrate (N) (mg/L)	Nitrate and Nitrite (mg/L)	Nitrite (N) (mg/L)	Diss-Orthophosphate (mg/L)	Diss-Phosphorus (mg/L)
QUR-11	12/04/17	<0.0050	<0.50	0.126	0.126	<0.0010	<0.0010	<0.0020
	11/05/17	<0.0050	<0.50	0.133	0.133	<0.0010	<0.0010	<0.0020
	01/06/17	<0.0050	<0.50	0.121	0.121	<0.0010	0.0012	0.0021

Monitoring data report for: Permitted Surface Water Quality Site



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Total Phosphorus (mg/L)	Sulphate (mg/L)	Total Nitrogen (mg/L)	Dissolved Organic Ca (mg/L)	Aluminum (Al)-Total (mg/L)	Antimony (Sb)-Total (mg/L)	Arsenic (As)-Total (mg/L)
W10	01/06/17	0.012	1.83	0.526	16.2	0.0812	<0.00010	0.00077
W12	04/05/17	0.0065	12.9	0.333	12.4	0.0514	<0.00010	0.00025
W20 Creek	25/05/17	0.0189	17.1	0.726	20.1	0.312	0.00011	0.00043
W4a	05/04/17	0.0212	35	0.252	6.01	0.285	<0.00010	0.00059
	12/04/17							
	18/04/17							
	25/04/17							
	04/05/17	0.0186	24.5	0.171	6.38	0.288	<0.00010	0.0004
	07/06/17	0.0112	34.7	0.113	3.7	0.0434	0.00015	0.00031

		Total Phosphorus (mg/L)	Sulphate (mg/L)	Total Nitrogen (mg/L)	Dissolved Organic Ca (mg/L)	Aluminum (Al)-Total (mg/L)	Antimony (Sb)-Total (mg/L)	Arsenic (As)-Total (mg/L)
QUR-11	12/04/17	0.0165	6.87	0.186	2.2	0.0188	<0.00010	0.00016
	11/05/17	0.0027	7.21	0.197	2	0.0268	<0.00010	0.00014
	01/06/17	0.0027	6.91	0.185	2.36	0.0309	<0.00010	0.00013

Monitoring data report for: Permitted Surface Water Quality Site



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Barium (Ba)-Total (mg/L)	Cadmium (Cd)-Total (mg/L)	Calcium (Ca)-Total (mg/L)	Chromium (Cr)-Total (mg/L)	Cobalt (Co)-Total (mg/L)	Copper (Cu)-Total (mg/L)	Iron (Fe)-Total (mg/L)
W10	01/06/17	0.0115	0.0000056	19	0.00063	<0.00010	0.00267	0.186
W12	04/05/17	0.0081	<0.0000050	18.9	<0.00050	<0.00010	0.00615	0.098
W20 Creek	25/05/17	0.0130	0.0000088	19.0	0.00075	0.00016	0.00687	0.325
W4a	05/04/17	0.0179	0.0000141	43.4	0.00058	0.0002	0.0155	0.263
	12/04/17							
	18/04/17							
	25/04/17							
	04/05/17	0.0122	0.000008	32.4	0.00059	0.00015	0.0121	0.276
	07/06/17	0.0159	0.0000067	45.7	<0.00050	<0.00010	0.00591	0.052

		Barium (Ba)-Total (mg/L)	Cadmium (Cd)-Total (mg/L)	Calcium (Ca)-Total (mg/L)	Chromium (Cr)-Total (mg/L)	Cobalt (Co)-Total (mg/L)	Copper (Cu)-Total (mg/L)	Iron (Fe)-Total (mg/L)
QUR-11	12/04/17	0.00543	<0.0000050	19.2	<0.00050	<0.00010	0.00127	<0.030
	11/05/17	0.00553	<0.0000050	18.4	<0.00050	<0.00010	0.0014	<0.030
	01/06/17	0.00547	<0.0000050	17.3	<0.00050	<0.00010	0.00122	<0.030

Monitoring data report for: Permitted Surface Water Quality Site



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Lead (Pb)-Total (mg/L)	Magnesium (Mg)-Total (mg/L)	Manganese (Mn)-Total (mg/L)	Molybdenum (Mo)-Total (mg/L)	Nickel (Ni)-Total (mg/L)	Potassium (K)-Total (mg/L)	Selenium (Se)-Total (mg/L)
W10	01/06/17	0.000054	5.25	0.00842	0.000515	0.00125	0.694	0.000132
W12	04/05/17	<0.000050	3.55	0.0101	0.00064	<0.00050	0.264	0.000125
W20 Creek	25/05/17	0.000066	5.09	0.0269	0.00148	0.00120	0.654	0.000311
W4a	05/04/17	0.00014	5.49	0.0174	0.0104	<0.00050	0.538	0.00137
	12/04/17							
	18/04/17							
	25/04/17							
	04/05/17	0.000086	3.79	0.0163	0.00433	<0.00050	0.402	0.0021
	07/06/17	<0.000050	5.27	0.00658	0.00565	<0.00050	0.411	0.00145

		Lead (Pb)-Total (mg/L)	Magnesium (Mg)-Total (mg/L)	Manganese (Mn)-Total (mg/L)	Molybdenum (Mo)-Total (mg/L)	Nickel (Ni)-Total (mg/L)	Potassium (K)-Total (mg/L)	Selenium (Se)-Total (mg/L)
QUR-11	12/04/17	0.000466	1.97	0.00194	0.000539	<0.00050	0.483	0.00012
	11/05/17	0.000238	2.18	0.00154	0.00065	<0.00050	0.503	0.000168
	01/06/17	0.00037	2.1	0.00199	0.000511	<0.00050	0.531	0.000134

Monitoring data report for: Permitted Surface Water Quality Site



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Silicon (Si)-Total (mg/L)	Silver (Ag)-Total (mg/L)	Sodium (Na)-Total (mg/L)	Zinc (Zn)-Total (mg/L)	Diss-Aluminum (Al) (mg/L)	Diss-Antimony (Sb) (mg/L)	Diss-Arsenic (As) (mg/L)
W10	01/06/17	3.19	<0.000010	2.94	<0.0030	0.0465	<0.00010	0.00084
W12	04/05/17	4.85	<0.000010	2.78	<0.0030	0.0333	<0.00010	0.0002
W20 Creek	25/05/17	4.40	0.000017	2.91	0.0034	0.156	<0.00010	0.00032
W4a	05/04/17	6.1	0.000012	2.76	0.0067	0.0136	<0.00010	0.00036
	12/04/17							
	18/04/17							
	25/04/17							
	04/05/17	5.93	0.00001	1.89	0.0057	0.0396	<0.00010	0.00026
	07/06/17	6.55	<0.000010	2.66	0.0078	0.0078	<0.00010	0.00024

		Silicon (Si)-Total (mg/L)	Silver (Ag)-Total (mg/L)	Sodium (Na)-Total (mg/L)	Zinc (Zn)-Total (mg/L)	Diss-Aluminum (Al) (mg/L)	Diss-Antimony (Sb) (mg/L)	Diss-Arsenic (As) (mg/L)
QUR-11	12/04/17	1.8	<0.000010	1.06	<0.0030	0.0078	<0.00010	0.00014
	11/05/17	1.82	<0.000010	1.14	<0.0030	0.0091	<0.00010	0.00011
	01/06/17	1.8	<0.000010	1.08	<0.0030	0.0086	<0.00010	0.00012

Monitoring data report for: Permitted Surface Water Quality Site



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Barium (Ba) (mg/L)	Diss-Cadmium (Cd) (mg/L)	Diss-Calcium (Ca) (mg/L)	Diss-Chromium (Cr) (mg/L)	Diss-Cobalt (Co) (mg/L)	Diss-Copper (Cu) (mg/L)	Diss-Iron (Fe) (mg/L)
W10	01/06/17	0.0129	0.0000075	18.7	0.00061	<0.00010	0.00288	0.133
W12	04/05/17	0.00772	<0.0000050	18.2	<0.00050	<0.00010	0.00571	0.06
W20 Creek	25/05/17	0.0113	<0.0000050	16.0	<0.00050	<0.00010	0.00612	0.176
W4a	05/04/17	0.0137	0.0000072	40.2	<0.00050	<0.00010	0.00816	<0.030
	12/04/17							
	18/04/17							
	25/04/17							
	04/05/17	0.00998	0.0000061	31.9	<0.00050	<0.00010	0.00858	0.036
	07/06/17	0.0155	0.0000007	46.5	<0.00050	<0.00010	0.00491	<0.030

		Diss-Barium (Ba) (mg/L)	Diss-Cadmium (Cd) (mg/L)	Diss-Calcium (Ca) (mg/L)	Diss-Chromium (Cr) (mg/L)	Diss-Cobalt (Co) (mg/L)	Diss-Copper (Cu) (mg/L)	Diss-Iron (Fe) (mg/L)
QUR-11	12/04/17	0.00507	<0.0000050	18.5	<0.00050	<0.00010	0.00073	<0.030
	11/05/17	0.00538	<0.0000050	17.5	<0.00050	<0.00010	0.00099	<0.030
	01/06/17	0.00551	<0.0000050	17.9	<0.00050	<0.00010	0.00081	<0.030

Monitoring data report for: Permitted Surface Water Quality Site



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Lead (Pb) (mg/L)	Diss-Magnesium (Mg) (mg/L)	Diss-Manganese (Mn) (mg/L)	Diss-Molybdenum (Mo) (mg/L)	Diss-Nickel (Ni) (mg/L)	Diss-Potassium (K) (mg/L)	Diss-Selenium (mg/L)
W10	01/06/17	<0.000050	6.36	0.0056	0.000515	0.00131	0.758	0.000135
W12	04/05/17	<0.000050	3.43	0.00051	0.000625	<0.00050	0.27	0.000131
W20 Creek	25/05/17	<0.000050	4.70	0.00323	0.00127	0.00092	0.612	0.000316
W4a	05/04/17	<0.000050	5.08	0.00488	0.0101	<0.00050	0.488	0.00136
	12/04/17							
	18/04/17							
	25/04/17							
	04/05/17	<0.000050	3.91	0.00209	0.00414	<0.00050	0.377	0.00214
	07/06/17	<0.000050	5.17	0.0023	0.00528	<0.00050	0.395	0.00149

		Diss-Lead (Pb) (mg/L)	Diss-Magnesium (Mg) (mg/L)	Diss-Manganese (Mn) (mg/L)	Diss-Molybdenum (Mo) (mg/L)	Diss-Nickel (Ni) (mg/L)	Diss-Potassium (K) (mg/L)	Diss-Selenium (mg/L)
QUR-11	12/04/17	0.000137	2.08	0.00078	0.000495	<0.00050	0.49	0.000102
	11/05/17	0.000115	2.22	0.00078	0.000701	<0.00050	0.512	0.000171
	01/06/17	0.000349	2.34	0.00071	0.000494	<0.00050	0.512	0.000128

Monitoring data report for: Permitted Surface Water Quality Site



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Silicon (Si) (mg/L)	Diss-Silver (Ag) (mg/L)	Diss-Sodium (Na) (mg/L)	Diss-Zinc (Zn) (mg/L)	Diss-Vanadium (V) (mg/L)	Vanadium (V)-Total (mg/L)	Diss-Lithium (Li) (mg/L)
W10	01/06/17	3.19	<0.000010	3.4	<0.0030	0.00077	0.00087	<0.0010
W12	04/05/17	5.04	<0.000010	2.82	<0.0030	<0.00050	<0.00050	<0.0010
W20 Creek	25/05/17	4.26	0.000011	3.10	<0.0030	0.00077	0.00129	<0.0010
W4a	05/04/17	5.51	<0.000010	2.57	0.0053	0.00083	0.00157	<0.0010
	12/04/17							
	18/04/17							
	25/04/17							
	04/05/17	5.43	<0.000010	2.05	0.0032	0.00051	0.00135	<0.0010
	07/06/17	6.38	<0.000010	2.58	0.0069	0.00065	0.00101	<0.0010

		Diss-Silicon (Si) (mg/L)	Diss-Silver (Ag) (mg/L)	Diss-Sodium (Na) (mg/L)	Diss-Zinc (Zn) (mg/L)	Diss-Vanadium (V) (mg/L)	Vanadium (V)-Total (mg/L)	Diss-Lithium (Li) (mg/L)
QUR-11	12/04/17	1.8	<0.000010	1.06	<0.0030	<0.00050	<0.00050	<0.0010
	11/05/17	1.68	<0.000010	1.15	<0.0030	<0.00050	<0.00050	<0.0010
	01/06/17	1.79	<0.000010	1.12	<0.0030	<0.00050	<0.00050	0.0012

Monitoring data report for: Permitted Surface Water Quality Site



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Lithium (Li)-Total (mg/L)	Fluoride (mg/L)
W10	01/06/17	<0.0010	0.049
W12	04/05/17	<0.0010	0.05
W20 Creek	25/05/17	<0.0010	0.065
W4a	05/04/17	<0.0010	0.086
	12/04/17		
	18/04/17		
	25/04/17		
	04/05/17	<0.0010	0.053
	07/06/17	<0.0010	0.068

		Lithium (Li)-Total (mg/L)	Fluoride (mg/L)
QUR-11	12/04/17	0.0011	0.03
	11/05/17	<0.0010	0.032
	01/06/17	0.0012	0.034

Appendix 2

Monitoring data report for: Permitted Groundwater Monitoring Well



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Conductivity (µs/cm)	Hardness (mg/L)	pH (pH)	Alkalinity (CaCO ₃) (mg/L)	Ammonia (as N) (mg/L)	Chloride (mg/L)	Fluoride (mg/L)
95-R5	02/05/17	1110	637	7.73	498	<0.0050	<2.5	0.11
GW00-1a	15/05/17	898	47.9	8.64	175	<0.0050	5.7	0.39
GW00-1b	04/05/17	1040	560	7.86	474	<0.0050	<2.5	<0.10
GW00-2a	04/05/17	410	136	8.37	223	<0.0050	<0.50	0.138
GW00-3a	25/05/17	223	103	8.57	120	<0.0050	<0.50	0.045
GW00-3b	08/05/17	523	278	8.02	291	0.0078	0.8	0.097
GW05-01	23/05/17	559	253	8.12	138	<0.0050	<0.50	0.444
GW11-1a	17/05/17	323	134	8.14	149	<0.0050	<0.50	0.197
GW11-1b	17/05/17	326	150	8.16	166	0.0242	<0.50	0.172
GW11-2a	17/05/17	508	98.6	11.3	157	0.808	<2.5	0.23
GW11-2b	17/05/17	522	238	7.95	310	1.78	<0.50	0.31
GW12-1a	16/05/17	564	106	7.92	46.9	0.0067	2.74	0.797
GW12-1b	16/05/17	389	178	8.23	153	<0.0050	1.22	0.119
GW12-3a	04/05/17	558	252	7.91	91.2	<0.0050	1.36	0.143
GW12-3b	04/05/17	236	98.7	8.06	93.9	<0.0050	2.6	0.261
GW12-4a	18/05/17	303	127	8.01	131	0.0262	1.57	0.478
GW12-4b	10/05/17	309	161	8.22	159	<0.0050	<0.50	0.184
GW12-5a	15/05/17	324	156	8.21	157	<0.0050	<0.50	0.087
GW12-5b	22/05/17	521	282	8.11	211	<0.0050	<0.50	0.041
GW14-1	04/05/17	273	133	8.13	154	0.0133	<0.50	0.056
GW96-1a	10/05/17	660	21.7	8.73	308	0.125	3.76	1.01
GW96-1b	10/05/17	365	66.8	8.56	187	0.0732	<0.50	0.247

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		Nitrate (N) (mg/L)	Nitrate and Nitrite (mg/L)	Nitrite (N) (mg/L)	Diss-Phosphorus (mg/L)	Total Phosphorus (mg/L)	Sulphate (mg/L)	Total Nitrogen (mg/L)
95-R5	02/05/17	<0.025	<0.025	<0.0050	<0.0020	0.0021	155	0.032
GW00-1a	15/05/17	<0.025	<0.025	<0.0050	0.0371	0.035	264	0.069
GW00-1b	04/05/17	1.03	1.03	<0.0050	0.0028	0.0034	144	1.1
GW00-2a	04/05/17	<0.0050	<0.0051	<0.0010	0.0117	0.0203	5.18	<0.030
GW00-3a	25/05/17	<0.0050	<0.0051	<0.0010	<0.0020	0.0038	3.45	<0.030
GW00-3b	08/05/17	0.0233	0.0233	<0.0010	0.0072	0.087	8.43	0.08
GW05-01	23/05/17	0.22	0.22	<0.0010	0.0026	0.0033	158	0.225
GW11-1a	17/05/17	0.206	0.206	<0.0010	0.0275	0.144	24.7	0.21
GW11-1b	17/05/17	0.017	0.017	<0.0010	0.0681	0.193	14.8	0.109
GW11-2a	17/05/17	<0.025	<0.025	<0.0050	0.0077	0.0187	6.7	1.07
GW11-2b	17/05/17	<0.0050	<0.0051	<0.0010	0.0067	0.801	<0.30	2.23
GW12-1a	16/05/17	<0.0050	<0.0051	<0.0010	0.0837	0.0705	138	0.040
GW12-1b	16/05/17	0.214	0.214	<0.0010	0.0152	0.015	50.6	0.211
GW12-3a	04/05/17	2.79	2.85	0.0621	0.0305	0.0254	183	2.77
GW12-3b	04/05/17	0.169	0.169	<0.0010	0.0281	0.031	26.3	0.159
GW12-4a	18/05/17	<0.0050	<0.0051	<0.0010	0.0817	0.115	28.9	0.071
GW12-4b	10/05/17	0.08	0.08	<0.0010	0.0081	0.0077	11	0.1
GW12-5a	15/05/17	<0.0050	<0.0051	<0.0010	<0.0020	0.0021	11.9	<0.030
GW12-5b	22/05/17	0.16	0.16	<0.0010	0.0024	0.0108	83.4	0.182
GW14-1	04/05/17	<0.0050	<0.0051	<0.0010	<0.0020	0.0064	0.34	<0.030
GW96-1a	10/05/17	0.0326	0.041	0.0084	0.0356	0.0536	46.5	0.209
GW96-1b	10/05/17	<0.0050	<0.0051	0.0017	0.0531	0.054	18.1	0.095

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		Diss-Aluminum (Al) (mg/L)	Diss-Antimony (Sb) (mg/L)	Diss-Arsenic (As) (mg/L)	Diss-Barium (Ba) (mg/L)	Diss-Cadmium (Cd) (mg/L)	Diss-Calcium (Ca) (mg/L)	Diss-Chromium (Cr) (mg/L)
95-R5	02/05/17	<0.0030	<0.00010	0.00807	0.0209	<0.0000050	210	<0.00050
GW00-1a	15/05/17	0.0060	<0.00010	0.0182	0.0226	<0.0000050	10.7	<0.00050
GW00-1b	04/05/17	<0.0030	<0.00010	0.00052	0.0889	0.0000837	116	<0.00050
GW00-2a	04/05/17	<0.0030	<0.00010	0.0017	0.101	<0.0000050	32.6	<0.00050
GW00-3a	25/05/17	<0.0030	0.00055	0.00062	0.0575	<0.0000050	33.2	0.00081
GW00-3b	08/05/17	0.0412	<0.00010	0.0008	0.036	0.000005	65.6	<0.00050
GW05-01	23/05/17	<0.0030	<0.00010	0.00061	0.00903	0.000006	92.2	<0.00050
GW11-1a	17/05/17	<0.0030	0.00033	0.00326	0.00246	<0.000020	41	<0.00050
GW11-1b	17/05/17	<0.0030	<0.00010	0.0021	0.0199	0.0000168	48.4	<0.00050
GW11-2a	17/05/17	0.859	0.00059	0.00316	0.0949	<0.0000050	39.5	<0.00050
GW11-2b	17/05/17	0.0035	<0.00010	0.00801	0.0918	<0.0000050	64.4	<0.00050
GW12-1a	16/05/17	0.0060	<0.00010	0.00400	0.0258	<0.0000050	33.5	<0.00050
GW12-1b	16/05/17	<0.0030	0.00052	0.00164	0.0232	<0.000030	56.9	<0.00050
GW12-3a	04/05/17	<0.0030	0.00042	0.00247	0.0204	0.000024	70	<0.00050
GW12-3b	04/05/17	<0.0030	0.00014	0.00871	0.00177	<0.0000070	28.2	<0.00050
GW12-4a	18/05/17	0.004	<0.00010	0.00424	0.0294	<0.000015	30.5	<0.00050
GW12-4b	10/05/17	<0.0030	<0.00010	0.00033	0.00935	<0.000040	48.7	<0.00050
GW12-5a	15/05/17	<0.0030	<0.00010	0.00121	0.0279	<0.0000050	52.9	<0.00050
GW12-5b	22/05/17	<0.0030	<0.00010	0.0003	0.0218	0.00001	99	<0.00050
GW14-1	04/05/17	<0.0030	<0.00010	0.0002	0.0208	<0.0000050	35.6	<0.00050
GW96-1a	10/05/17	0.0075	<0.00010	0.00677	0.0232	<0.000030	5.54	<0.00050
GW96-1b	10/05/17	<0.0030	<0.00010	0.00516	0.0407	<0.0000050	12.4	<0.00050

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		Diss-Cobalt (Co) (mg/L)	Diss-Copper (Cu) (mg/L)	Diss-Iron (Fe) (mg/L)	Diss-Lead (Pb) (mg/L)	Diss-Lithium (Li) (mg/L)	Diss-Magnesium (Mg) (mg/L)	Diss-Manganese (Mn) (mg/L)
95-R5	02/05/17	0.00045	<0.00050	0.699	<0.000050	0.0071	27.7	0.878
GW00-1a	15/05/17	<0.00010	<0.00050	<0.030	<0.000050	0.0073	5.16	0.0287
GW00-1b	04/05/17	0.00021	0.00096	<0.030	<0.000050	0.0062	65.3	0.659
GW00-2a	04/05/17	<0.00010	<0.00050	0.072	<0.000050	0.0065	13.2	0.249
GW00-3a	25/05/17	<0.00010	<0.00050	<0.030	<0.000050	0.0302	5.01	0.00273
GW00-3b	08/05/17	<0.00010	0.00089	0.04	<0.000050	0.0032	27.7	0.0201
GW05-01	23/05/17	<0.00010	0.00966	<0.030	<0.000050	<0.0010	5.62	0.00087
GW11-1a	17/05/17	<0.00010	0.00077	<0.030	<0.000050	0.0017	7.76	0.00309
GW11-1b	17/05/17	<0.00010	<0.00050	<0.030	<0.000050	<0.0010	7.16	0.214
GW11-2a	17/05/17	0.00012	0.00171	<0.030	<0.000050	0.0063	<0.10	0.00016
GW11-2b	17/05/17	0.00019	<0.00050	3.91	<0.000050	<0.0010	18.8	1.88
GW12-1a	16/05/17	<0.00010	<0.00050	0.137	<0.000050	0.0063	5.44	0.440
GW12-1b	16/05/17	<0.00010	0.00182	<0.030	<0.000050	0.0042	8.84	0.00114
GW12-3a	04/05/17	<0.00010	0.00098	<0.030	<0.000050	0.0025	18.8	0.00392
GW12-3b	04/05/17	<0.00010	<0.00050	<0.030	<0.000050	0.0012	6.84	0.00031
GW12-4a	18/05/17	0.00041	<0.00050	0.239	<0.000050	0.0013	12.3	0.807
GW12-4b	10/05/17	0.00016	<0.00050	<0.030	<0.000050	0.0016	9.55	0.126
GW12-5a	15/05/17	<0.00010	<0.00050	0.253	<0.000050	0.0027	5.75	0.0539
GW12-5b	22/05/17	<0.00010	0.00186	<0.030	<0.000050	0.0037	8.55	0.00669
GW14-1	04/05/17	<0.00010	<0.00050	0.49	<0.000050	0.0014	10.6	0.102
GW96-1a	10/05/17	<0.00010	<0.00050	<0.030	<0.000050	0.0891	1.9	0.00587
GW96-1b	10/05/17	<0.00010	<0.00050	<0.030	<0.000050	<0.0010	8.67	0.00861

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		Diss-Molybdenum (Mo) (mg/L)	Diss-Nickel (Ni) (mg/L)	Diss-Potassium (K) (mg/L)	Diss-Selenium (mg/L)	Diss-Silicon (Si) (mg/L)	Diss-Silver (Ag) (mg/L)	Diss-Sodium (Na) (mg/L)
95-R5	02/05/17	0.00818	<0.00050	0.877	0.00145	11.4	<0.000010	6.95
GW00-1a	15/05/17	0.0231	<0.00050	0.962	0.000192	3.58	<0.000010	169
GW00-1b	04/05/17	0.014	0.00158	0.997	0.00168	8.76	<0.000010	25.5
GW00-2a	04/05/17	0.00318	<0.00050	0.649	<0.000050	9.11	<0.000010	42.4
GW00-3a	25/05/17	0.00116	<0.00050	0.584	0.000051	4.02	<0.000010	24.3
GW00-3b	08/05/17	0.00281	0.00099	0.77	<0.000050	8.97	<0.000010	11.7
GW05-01	23/05/17	0.00785	<0.00050	0.407	0.00104	8.59	<0.000010	20.7
GW11-1a	17/05/17	0.0436	<0.00050	0.293	0.00104	7.75	<0.000010	19.2
GW11-1b	17/05/17	0.0213	<0.00050	1.06	<0.000050	6.88	<0.000010	16.1
GW11-2a	17/05/17	0.00996	0.00359	1.53	0.000134	6.2	<0.000010	53.6
GW11-2b	17/05/17	0.000711	<0.00050	1.54	0.000095	12.6	<0.000010	26.9
GW12-1a	16/05/17	0.0239	<0.00050	0.381	0.000515	5.32	<0.000010	64.3
GW12-1b	16/05/17	0.0282	<0.00050	0.574	0.000892	6.91	<0.000010	9.07
GW12-3a	04/05/17	0.0164	<0.00050	1.47	0.0433	10.5	<0.000010	12.8
GW12-3b	04/05/17	0.0324	<0.00050	1.54	0.000948	11.4	<0.000010	9.46
GW12-4a	18/05/17	0.0626	0.00152	1.7	<0.000050	12.6	<0.000010	13.9
GW12-4b	10/05/17	0.0398	<0.00050	1.13	<0.000050	5.91	<0.000010	4.98
GW12-5a	15/05/17	0.0113	<0.00050	0.427	0.000399	7.49	<0.000010	4.27
GW12-5b	22/05/17	0.00282	0.00075	0.464	0.000383	7.04	<0.000010	4.9
GW14-1	04/05/17	0.000571	<0.00050	1.84	0.000054	7.44	<0.000010	7.68
GW96-1a	10/05/17	0.0449	<0.00050	0.873	<0.000050	9.12	<0.000010	144
GW96-1b	10/05/17	0.011	<0.00050	1.39	<0.000050	5.04	<0.000010	59.6

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		Diss-Vanadium (V) (mg/L)	Diss-Zinc (Zn) (mg/L)
95-R5	02/05/17	<0.00050	<0.0030
GW00-1a	15/05/17	<0.00050	<0.0030
GW00-1b	04/05/17	0.00102	<0.0030
GW00-2a	04/05/17	0.00073	<0.0030
GW00-3a	25/05/17	<0.00050	<0.0030
GW00-3b	08/05/17	<0.00050	<0.0030
GW05-01	23/05/17	0.00092	0.0463
GW11-1a	17/05/17	0.00365	<0.0030
GW11-1b	17/05/17	<0.00050	<0.0030
GW11-2a	17/05/17	0.00658	<0.0030
GW11-2b	17/05/17	0.00093	<0.0030
GW12-1a	16/05/17	<0.00050	<0.0030
GW12-1b	16/05/17	0.00136	<0.0030
GW12-3a	04/05/17	0.00476	<0.0030
GW12-3b	04/05/17	0.0113	<0.0030
GW12-4a	18/05/17	<0.00050	<0.0030
GW12-4b	10/05/17	0.00098	<0.0030
GW12-5a	15/05/17	<0.00050	<0.0030
GW12-5b	22/05/17	0.00052	<0.0030
GW14-1	04/05/17	<0.00050	<0.0030
GW96-1a	10/05/17	<0.00050	<0.0030
GW96-1b	10/05/17	<0.00050	<0.0030

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		Conductivity (µs/cm)	Hardness (mg/L)	pH (pH)	Alkalinity (CaCO ₃) (mg/L)	Ammonia (as N) (mg/L)	Chloride (mg/L)	Fluoride (mg/L)
GW96-2a	10/05/17	391	143	8.4	201	0.0861	<0.50	0.159
GW96-2b	10/05/17	697	305	8.25	168	0.0263	20.5	0.16
GW96-3a	07/06/17	1200	21.8	9.18	575	0.0352	4.6	0.16
GW96-4a	04/05/17	383	132	8.3	161	<0.0050	2.93	0.033
GW96-4b	04/05/17	1040	526	7.95	190	0.0119	15.7	<0.10
GW96-7	02/05/17	404	191	8.19	179	<0.0050	0.59	0.184
GW12-2a	03/04/17	225	50.1	7.97	43.9	<0.0050	0.73	0.45
	26/04/17	241	48.9	7.97	43.7	<0.0050	0.69	0.481
	22/05/17	233	48.8	7.93	43	<0.0050	0.72	0.482
	22/06/17	238	47.6	7.94	43.2	<0.0050	0.74	0.468
GW12-2b	03/04/17	580	302	8.15	178	<0.0050	3.42	0.179
	26/04/17	629	297	8.26	187	<0.0050	3.39	0.188
	22/05/17	576	285	8.3	205	<0.0050	2.74	0.197
	22/06/17	566	271	8.3	224	<0.0050	2.33	0.191
GW15-1a	26/04/17	281	72.4	8.06	64.6	0.0056	6.73	0.258
	22/05/17	284	74.6	7.97	64.9	<0.0050	7.09	0.267
	28/06/17	292	78.1	8.03	67.3	<0.0050	7.48	0.288
GW15-1b	27/04/17	549	226	8.2	119	<0.0050	16.2	0.12
	22/05/17	508	214	8.15	116	<0.0050	12.7	0.131
GW15-2a	27/04/17	200	52.1	8.12	61.7	<0.0050	<0.50	0.42
	22/05/17	194	56.9	8.14	60.4	<0.0050	<0.50	0.418
	22/06/17	199	51.6	7.77	60.9	<0.0050	<0.50	0.41
GW15-2b	03/04/17	356	139	8.11	86.8	0.0078	10.5	0.206
	27/04/17	349	127	8.16	83.9	0.0072	9.61	0.232

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		Nitrate (N) (mg/L)	Nitrate and Nitrite (mg/L)	Nitrite (N) (mg/L)	Diss-Phosphorus (mg/L)	Total Phosphorus (mg/L)	Sulphate (mg/L)	Total Nitrogen (mg/L)
GW96-2a	10/05/17	0.0175	0.0196	0.0022	0.0066	0.0222	27.7	0.154
GW96-2b	10/05/17	<0.025	<0.025	<0.0050	0.0389	0.0338	184	0.075
GW96-3a	07/06/17	0.11	0.11	<0.0050	0.0276	0.0326	101	0.206
GW96-4a	04/05/17	0.113	0.113	<0.0010	0.0026	0.0033	40.2	0.136
GW96-4b	04/05/17	0.197	0.205	0.0082	0.002	0.0099	369	0.25
GW96-7	02/05/17	<0.0050	<0.0051	<0.0010	0.0064	0.0119	35.8	<0.030
GW12-2a	03/04/17	<0.0050	<0.0051	<0.0010	0.0225	0.023	65.8	<0.030
	26/04/17	<0.0050	<0.0051	<0.0010	0.0194	0.023	65.4	<0.030
	22/05/17	<0.0050	<0.0051	<0.0010	0.0171	0.0173	66.5	<0.030
	22/06/17	<0.0050	<0.0051	<0.0010	0.0211	0.018	67.4	<0.030
GW12-2b	03/04/17	2.53	2.53	<0.0010	0.0106	0.011	129	2.54
	26/04/17	2.77	2.77	<0.0010	0.01	0.009	138	2.82
	22/05/17	2.23	2.23	<0.0010	0.0092	0.0088	99.8	2.3
	22/06/17	1.92	1.92	<0.0010	0.0111	0.0108	81.3	1.99
GW15-1a	26/04/17	<0.0050	<0.0051	<0.0010	0.0163	0.02	61.8	<0.030
	22/05/17	<0.0050	<0.0051	<0.0010	0.0168	0.0179	63.5	<0.030
	28/06/17	<0.0050	<0.0051	<0.0010	0.013	0.0152	66.9	0.048
GW15-1b	27/04/17	0.269	0.269	<0.0010	0.0133	0.019	136	0.299
	22/05/17	0.757	0.757	<0.0010	0.0112	0.0101	125	0.771
GW15-2a	27/04/17	<0.0050	<0.0051	<0.0010	0.0184	0.021	36.1	<0.030
	22/05/17	<0.0050	<0.0051	<0.0010	0.0181	0.0084	36.7	<0.030
	22/06/17	<0.0050	<0.0051	<0.0010	0.0187	0.0161	37.1	<0.030
GW15-2b	03/04/17	0.344	0.363	0.0192	0.0098	0.012	79.7	0.381
	27/04/17	0.248	0.262	0.0137	0.0107	0.014	73.1	0.714

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Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Aluminum (Al) (mg/L)	Diss-Antimony (Sb) (mg/L)	Diss-Arsenic (As) (mg/L)	Diss-Barium (Ba) (mg/L)	Diss-Cadmium (Cd) (mg/L)	Diss-Calcium (Ca) (mg/L)	Diss-Chromium (Cr) (mg/L)
GW96-2a	10/05/17	<0.0030	0.00047	0.00476	0.0535	<0.0000050	27.5	<0.00050
GW96-2b	10/05/17	<0.0030	<0.00010	0.00149	0.0154	<0.000040	75.8	<0.00050
GW96-3a	07/06/17	0.313	0.00056	0.0445	0.00539	0.0000058	5.55	<0.00050
GW96-4a	04/05/17	<0.0030	<0.00010	0.00358	0.0183	0.0000073	31.6	<0.00050
GW96-4b	04/05/17	<0.0030	<0.00010	0.00116	0.0621	0.0000092	139	<0.00050
GW96-7	02/05/17	<0.0030	<0.00010	0.00135	0.0204	<0.0000050	56.8	<0.00050
GW12-2a	03/04/17	0.0064	<0.00010	0.00254	0.0062	<0.000015	17.8	<0.00050
	26/04/17	0.0044	<0.00010	0.00232	0.00525	<0.000010	17.6	<0.00050
	22/05/17	0.0042	<0.00010	0.00246	0.00518	<0.000020	17.4	<0.00050
	22/06/17	0.0039	<0.00010	0.00228	0.00528	<0.0000050	17.1	<0.00050
GW12-2b	03/04/17	<0.0030	<0.00010	0.00064	0.0185	<0.000015	79.2	0.00081
	26/04/17	<0.0030	<0.00010	0.00058	0.0197	0.0000087	80.8	<0.00050
	22/05/17	<0.0030	<0.00010	0.00061	0.0167	0.0000114	73.7	<0.00050
	22/06/17	<0.0030	<0.00010	0.00058	0.0164	0.0000054	73.2	<0.00050
GW15-1a	26/04/17	0.0031	<0.00010	0.00426	0.0177	<0.000010	25.9	0.00082
	22/05/17	0.003	<0.00010	0.00451	0.0179	<0.000020	26.2	<0.00050
	28/06/17	0.0041	<0.00010	0.00414	0.0246	<0.000030	27.2	<0.00050
GW15-1b	27/04/17	<0.0030	0.00011	0.00158	0.0534	0.0000076	73	0.00091
	22/05/17	<0.0030	<0.00010	0.00183	0.048	0.0000054	67.5	<0.00050
GW15-2a	27/04/17	<0.0030	<0.00010	0.00379	0.0103	<0.000015	16.4	<0.00050
	22/05/17	<0.0030	<0.00010	0.0041	0.00989	<0.000020	17.6	<0.00050
	22/06/17	<0.0030	<0.00010	0.00395	0.00975	<0.0000050	16.1	<0.00050
GW15-2b	03/04/17	<0.0030	0.00013	0.00217	0.0418	<0.000010	44.5	<0.00050
	27/04/17	<0.0030	0.00014	0.00224	0.0388	<0.000010	40.8	<0.00050

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		Diss-Cobalt (Co) (mg/L)	Diss-Copper (Cu) (mg/L)	Diss-Iron (Fe) (mg/L)	Diss-Lead (Pb) (mg/L)	Diss-Lithium (Li) (mg/L)	Diss-Magnesium (Mg) (mg/L)	Diss-Manganese (Mn) (mg/L)
GW96-2a	10/05/17	<0.00010	<0.00050	<0.030	<0.000050	0.0372	18	0.00351
GW96-2b	10/05/17	<0.00010	0.00101	<0.030	<0.000050	0.0011	28.2	0.12
GW96-3a	07/06/17	<0.00010	0.00104	0.032	<0.000050	0.142	1.93	0.0176
GW96-4a	04/05/17	<0.00010	0.00089	<0.030	<0.000050	0.0205	13	0.00597
GW96-4b	04/05/17	0.00011	<0.00050	0.346	<0.000050	0.0119	43.2	0.211
GW96-7	02/05/17	<0.00010	<0.00050	0.242	<0.000050	0.0067	12	0.197
GW12-2a	03/04/17	<0.00010	<0.00050	<0.030	<0.000050	0.0029	1.39	0.0322
	26/04/17	<0.00010	<0.00050	<0.030	<0.000050	0.0034	1.22	0.0272
	22/05/17	<0.00010	<0.00050	<0.030	<0.000050	0.0036	1.33	0.0249
	22/06/17	<0.00010	<0.00050	<0.030	<0.000050	0.0029	1.21	0.0254
GW12-2b	03/04/17	<0.00010	0.00103	<0.030	<0.000050	0.0033	25.4	0.00067
	26/04/17	<0.00010	0.0008	<0.030	<0.000050	0.004	23.2	0.00024
	22/05/17	<0.00010	0.00075	<0.030	<0.000050	0.004	24.6	0.00029
	22/06/17	<0.00010	0.00062	<0.030	<0.000050	0.0033	21.4	0.00046
GW15-1a	26/04/17	<0.00010	<0.00050	<0.030	<0.000050	0.0037	1.9	0.0264
	22/05/17	<0.00010	<0.00050	<0.030	<0.000050	0.0043	2.26	0.0289
	28/06/17	0.00023	0.00068	<0.030	<0.000050	0.0057	2.5	0.0244
GW15-1b	27/04/17	<0.00010	0.00066	<0.030	<0.000050	0.0034	10.6	0.00033
	22/05/17	<0.00010	<0.00050	<0.030	<0.000050	0.0037	11	0.00036
GW15-2a	27/04/17	<0.00010	<0.00050	<0.030	<0.000050	0.0034	2.71	0.0255
	22/05/17	<0.00010	<0.00050	<0.030	<0.000050	0.0035	3.14	0.0269
	22/06/17	<0.00010	<0.00050	<0.030	<0.000050	0.0029	2.76	0.0253
GW15-2b	03/04/17	<0.00010	<0.00050	<0.030	<0.000050	0.0025	6.89	0.0576
	27/04/17	<0.00010	<0.00050	<0.030	<0.000050	0.0031	6.03	0.0518

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		Diss-Molybdenum (Mo) (mg/L)	Diss-Nickel (Ni) (mg/L)	Diss-Potassium (K) (mg/L)	Diss-Selenium (mg/L)	Diss-Silicon (Si) (mg/L)	Diss-Silver (Ag) (mg/L)	Diss-Sodium (Na) (mg/L)
GW96-2a	10/05/17	0.00252	<0.00050	2.7	<0.000050	2.61	<0.000010	24.2
GW96-2b	10/05/17	0.0574	<0.00050	1.85	0.000062	8.07	<0.000010	29
GW96-3a	07/06/17	0.0219	0.00077	2.35	0.00005	9.91	<0.000010	270
GW96-4a	04/05/17	0.00104	<0.00050	0.13	<0.000050	9.78	<0.000010	31.9
GW96-4b	04/05/17	0.000648	<0.00050	0.502	<0.000050	10.4	<0.000010	21.8
GW96-7	02/05/17	0.00521	<0.00050	1.23	0.000063	12.4	<0.000010	8.39
GW12-2a	03/04/17	0.04	<0.00050	0.115	<0.000050	8.94	<0.000010	29.3
	26/04/17	0.0398	<0.00050	0.096	<0.000050	8.13	<0.000010	26.1
	22/05/17	0.0438	<0.00050	0.09	<0.000050	8.5	<0.000010	27.3
	22/06/17	0.0392	<0.00050	0.093	<0.000050	8.49	<0.000010	27.6
GW12-2b	03/04/17	0.022	0.00117	0.77	0.00687	7.52	<0.000010	14.3
	26/04/17	0.0232	0.00065	0.706	0.0082	7.47	<0.000010	13.4
	22/05/17	0.0241	<0.00050	0.721	0.0063	7.45	<0.000010	13.9
	22/06/17	0.0217	<0.00050	0.66	0.00549	7.64	<0.000010	13.2
GW15-1a	26/04/17	0.0275	0.00096	0.268	0.000346	8.69	<0.000010	25.1
	22/05/17	0.0288	<0.00050	0.332	0.000434	9	<0.000010	28.3
	28/06/17	0.0273	0.00307	0.41	0.000102	9.47	<0.000010	28.2
GW15-1b	27/04/17	0.00688	0.00148	0.502	0.0177	7.46	<0.000010	19.5
	22/05/17	0.00587	<0.00050	0.514	0.0129	7.76	<0.000010	21.8
GW15-2a	27/04/17	0.046	<0.00050	0.38	0.000099	8.22	<0.000010	18.4
	22/05/17	0.05	<0.00050	0.392	0.000053	8.37	<0.000010	19.9
	22/06/17	0.0429	<0.00050	0.372	<0.000050	8.73	<0.000010	19.6
GW15-2b	03/04/17	0.0437	<0.00050	0.369	0.000394	6.63	<0.000010	20.3
	27/04/17	0.0462	<0.00050	0.313	0.000382	6.71	<0.000010	17.9

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		Diss-Vanadium (V) (mg/L)	Diss-Zinc (Zn) (mg/L)
GW96-2a	10/05/17	<0.00050	<0.0030
GW96-2b	10/05/17	0.00166	<0.0030
GW96-3a	07/06/17	0.0265	<0.0030
GW96-4a	04/05/17	0.0144	<0.0030
GW96-4b	04/05/17	<0.00050	<0.0030
GW96-7	02/05/17	<0.00050	<0.0030
GW12-2a	03/04/17	<0.00050	<0.0030
	26/04/17	<0.00050	<0.0030
	22/05/17	<0.00050	<0.0030
	22/06/17	<0.00050	<0.0030
GW12-2b	03/04/17	0.0025	<0.0030
	26/04/17	0.00244	<0.0030
	22/05/17	0.00258	<0.0030
	22/06/17	0.00237	<0.0030
GW15-1a	26/04/17	<0.00050	<0.0030
	22/05/17	<0.00050	<0.0030
	28/06/17	<0.00050	0.0091
GW15-1b	27/04/17	0.00077	<0.0030
	22/05/17	0.00073	<0.0030
GW15-2a	27/04/17	<0.00050	<0.0030
	22/05/17	<0.00050	<0.0030
	22/06/17	<0.00050	<0.0030
GW15-2b	03/04/17	<0.00050	<0.0030
	27/04/17	<0.00050	<0.0030

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		Conductivity (µs/cm)	Hardness (mg/L)	pH (pH)	Alkalinity (CaCO ₃) (mg/L)	Ammonia (as N) (mg/L)	Chloride (mg/L)	Fluoride (mg/L)
GW15-2b	22/05/17	347	136	8.12	83.2	<0.0050	10.1	0.23
	22/06/17	377	141	8.15	85.8	<0.0050	11.1	0.217
GW16-1a	19/06/17	636	15.7	8.63	196	0.0461	4.67	0.3
GW16-1b	19/06/17	495	88	8.38	224	0.0994	<0.50	0.16
GW16-2a	15/06/17	418	164	8.36	234	0.0125	<0.50	0.199
GW16-2b	15/06/17	648	272	8.24	237	<0.0050	2.64	0.146
GW16-3b	07/06/17	463	225	8.33	255	0.0158	<0.50	0.16
GW16-4a	22/06/17	589	27.8	8.55	189	<0.0050	2.03	0.444
GW16-4b	17/05/17	476	198	8.12	262	<0.0050	0.77	0.176
	07/06/17	490	217	8.29	269	<0.0050	0.78	0.179
GW16-5a	17/05/17	390	150	8.08	195	<0.0050	0.91	0.048
	15/06/17	379	149	8.21	198	<0.0050	0.69	0.057
GW16-5b	19/06/17	327	141	8.18	182	<0.0050	<0.50	0.046
GW16-6a	09/05/17	402	115	7.81	37.4	<0.0050	0.95	0.752
GW16-6b	22/06/17	390	169	8.17	109	0.0055	1.9	0.153
GW16-7	07/06/17	488	223	8.24	150	<0.0050	0.89	0.323
GW16-8	07/06/17	333	155	8.13	135	<0.0050	0.77	0.123

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		Nitrate (N) (mg/L)	Nitrate and Nitrite (mg/L)	Nitrite (N) (mg/L)	Diss-Phosphorus (mg/L)	Total Phosphorus (mg/L)	Sulphate (mg/L)	Total Nitrogen (mg/L)
GW15-2b	22/05/17	0.35	0.37	0.0195	0.0096	0.0083	76.6	0.388
	22/06/17	0.476	0.501	0.025	0.009	0.0074	85.3	0.511
GW16-1a	19/06/17	<0.0050	<0.0051	<0.0010	0.0478	0.063	121	0.182
GW16-1b	19/06/17	<0.0050	<0.0051	<0.0010	0.0158	0.017	48	0.153
GW16-2a	15/06/17	<0.0050	<0.0051	<0.0010	0.026	0.027	9.48	0.048
GW16-2b	15/06/17	3.09	3.09	0.0015	0.0115	0.0111	114	3.23
GW16-3b	07/06/17	<0.0050	<0.0051	<0.0010	0.0061	0.0109	16.8	<0.030
GW16-4a	22/06/17	<0.0050	<0.0051	<0.0010	0.0218	0.0187	107	0.036
GW16-4b	17/05/17	0.0816	0.0816	<0.0010	0.0066	0.008	9.87	0.1
	07/06/17	0.0818	0.0818	<0.0010	0.0055	0.2	10.1	0.115
GW16-5a	17/05/17	0.0138	0.0164	0.0025	0.0059	0.0053	16.8	0.064
	15/06/17	0.013	0.0167	0.0036	0.0064	0.0102	12.2	0.08
GW16-5b	19/06/17	<0.0050	<0.0051	<0.0010	0.0111	0.0157	3.4	0.064
GW16-6a	09/05/17	0.0098	0.0147	0.0049	0.0046	0.0242	147	<0.030
GW16-6b	22/06/17	0.956	0.963	0.0074	0.0197	0.0239	93.7	0.976
GW16-7	07/06/17	0.617	0.617	<0.0010	0.0033	0.0026	112	0.648
GW16-8	07/06/17	0.171	0.171	<0.0010	0.0029	0.0045	45.5	0.216

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		Diss-Aluminum (Al) (mg/L)	Diss-Antimony (Sb) (mg/L)	Diss-Arsenic (As) (mg/L)	Diss-Barium (Ba) (mg/L)	Diss-Cadmium (Cd) (mg/L)	Diss-Calcium (Ca) (mg/L)	Diss-Chromium (Cr) (mg/L)
GW15-2b	22/05/17	<0.0030	0.00013	0.00253	0.0383	<0.000020	43	<0.00050
	22/06/17	<0.0030	0.0001	0.0023	0.0404	<0.0000050	45.9	<0.00050
GW16-1a	19/06/17	0.0102	0.00057	0.0137	0.00649	0.0000073	4.09	<0.00050
GW16-1b	19/06/17	<0.0030	<0.00010	0.0133	0.0468	<0.0000050	20.6	<0.00050
GW16-2a	15/06/17	<0.0030	<0.00010	0.00252	0.0707	<0.0000050	36.7	<0.00050
GW16-2b	15/06/17	<0.0030	<0.00010	0.00059	0.0145	0.000011	81.7	<0.00050
GW16-3b	07/06/17	<0.0030	<0.00010	0.00491	0.0812	<0.0000050	39.9	<0.00050
GW16-4a	22/06/17	0.0055	<0.00010	0.0384	0.0118	0.0000078	6.04	<0.00050
GW16-4b	17/05/17	<0.0030	<0.00010	0.00054	0.0215	0.000008	45.4	0.00106
	07/06/17	<0.0030	<0.00010	0.00047	0.021	0.000007	52.1	0.00113
GW16-5a	17/05/17	0.0039	0.00046	0.0014	0.0117	<0.0000050	47.7	<0.00050
	15/06/17	<0.0030	0.00041	0.00131	0.0135	<0.0000050	47.4	<0.00050
GW16-5b	19/06/17	<0.0030	0.00057	0.00098	0.0176	0.0000096	46.2	<0.00050
GW16-6a	09/05/17	0.0039	<0.00010	0.0076	0.00306	0.0000069	38	<0.00050
GW16-6b	22/06/17	<0.0030	<0.00010	0.00089	0.0148	0.0000295	51	<0.00050
GW16-7	07/06/17	<0.0030	<0.00010	0.00069	0.00873	0.0000062	81.8	<0.00050
GW16-8	07/06/17	<0.0030	<0.00010	0.00027	0.0108	0.0000088	53.1	<0.00050

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		Diss-Cobalt (Co) (mg/L)	Diss-Copper (Cu) (mg/L)	Diss-Iron (Fe) (mg/L)	Diss-Lead (Pb) (mg/L)	Diss-Lithium (Li) (mg/L)	Diss-Magnesium (Mg) (mg/L)	Diss-Manganese (Mn) (mg/L)
GW15-2b	22/05/17	<0.00010	<0.00050	<0.030	<0.000050	0.0033	7.09	0.0563
	22/06/17	<0.00010	<0.00050	<0.030	<0.000050	0.0027	6.53	0.0522
GW16-1a	19/06/17	0.00014	<0.00050	<0.030	<0.000050	0.0247	1.34	0.0115
GW16-1b	19/06/17	0.00014	<0.00050	<0.030	<0.000050	0.0082	8.87	0.0135
GW16-2a	15/06/17	<0.00010	<0.00050	0.035	<0.000050	<0.0010	17.6	0.0454
GW16-2b	15/06/17	0.00013	0.00072	<0.030	<0.000050	<0.0010	16.4	0.0322
GW16-3b	07/06/17	0.00014	<0.00050	0.211	<0.000050	0.0071	30.4	0.17
GW16-4a	22/06/17	0.00019	<0.00050	<0.030	<0.000050	0.0172	3.08	0.0203
GW16-4b	17/05/17	<0.00010	<0.00050	<0.030	<0.000050	0.0026	20.6	0.00971
	07/06/17	<0.00010	<0.00050	<0.030	<0.000050	0.0031	21.1	0.00948
GW16-5a	17/05/17	0.00024	0.00072	0.063	<0.000050	<0.0010	7.36	0.138
	15/06/17	0.00024	0.00063	0.093	<0.000050	<0.0010	7.49	0.113
GW16-5b	19/06/17	0.00035	0.00125	<0.030	<0.000050	<0.0010	6.3	0.0639
GW16-6a	09/05/17	<0.00010	<0.00050	<0.030	<0.000050	0.0013	4.92	0.013
GW16-6b	22/06/17	0.00034	0.00052	<0.030	<0.000050	<0.0010	9.98	0.245
GW16-7	07/06/17	<0.00010	<0.00050	<0.030	<0.000050	0.0013	4.62	0.00648
GW16-8	07/06/17	<0.00010	<0.00050	<0.030	<0.000050	0.0012	5.37	0.00127

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		Diss-Molybdenum (Mo) (mg/L)	Diss-Nickel (Ni) (mg/L)	Diss-Potassium (K) (mg/L)	Diss-Selenium (mg/L)	Diss-Silicon (Si) (mg/L)	Diss-Silver (Ag) (mg/L)	Diss-Sodium (Na) (mg/L)
GW15-2b	22/05/17	0.0494	<0.00050	0.344	0.000349	6.65	<0.000010	20.9
	22/06/17	0.0419	<0.00050	0.329	0.000345	6.67	<0.000010	19.8
GW16-1a	19/06/17	0.019	0.00122	0.616	0.000392	3.15	<0.000010	131
GW16-1b	19/06/17	0.00474	0.00125	1.32	<0.000050	5.12	<0.000010	83.2
GW16-2a	15/06/17	0.00609	<0.00050	1.88	<0.000050	8.88	<0.000010	35.8
GW16-2b	15/06/17	0.00429	<0.00050	1.91	0.00118	7.03	<0.000010	23.3
GW16-3b	07/06/17	0.00403	<0.00050	1.51	<0.000050	8.17	<0.000010	13.1
GW16-4a	22/06/17	0.0249	0.00068	0.403	0.000139	3.77	<0.000010	128
GW16-4b	17/05/17	0.00397	<0.00050	1.29	0.000799	8.59	<0.000010	25.1
	07/06/17	0.0042	<0.00050	1.2	0.000705	8.34	<0.000010	24.2
GW16-5a	17/05/17	0.00237	<0.00050	1.06	0.000112	11.6	<0.000010	28.3
	15/06/17	0.00277	<0.00050	1.09	0.000138	11.1	<0.000010	28.7
GW16-5b	19/06/17	0.00267	0.00093	0.728	0.000091	12.2	<0.000010	19.3
GW16-6a	09/05/17	0.0604	<0.00050	0.555	0.000093	7.51	<0.000010	35.5
GW16-6b	22/06/17	0.0294	<0.00050	1.48	0.000642	8.93	<0.000010	14
GW16-7	07/06/17	0.0068	<0.00050	0.336	0.000964	7.54	<0.000010	12.7
GW16-8	07/06/17	0.00258	<0.00050	0.449	0.000175	7.03	<0.000010	6.82

Monitoring data report for: Permitted Groundwater Monitoring Well



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Vanadium (V) (mg/L)	Diss-Zinc (Zn) (mg/L)
GW15-2b	22/05/17	<0.00050	<0.0030
	22/06/17	<0.00050	<0.0030
GW16-1a	19/06/17	0.00365	<0.0030
GW16-1b	19/06/17	<0.00050	<0.0030
GW16-2a	15/06/17	<0.00050	<0.0030
GW16-2b	15/06/17	0.00125	<0.0030
GW16-3b	07/06/17	<0.00050	<0.0030
GW16-4a	22/06/17	<0.00050	<0.0030
GW16-4b	17/05/17	0.0012	<0.0030
	07/06/17	0.00107	<0.0030
GW16-5a	17/05/17	0.00709	<0.0030
	15/06/17	0.00314	<0.0030
GW16-5b	19/06/17	0.00637	<0.0030
GW16-6a	09/05/17	0.00058	<0.0030
GW16-6b	22/06/17	0.00223	<0.0030
GW16-7	07/06/17	0.00087	<0.0030
GW16-8	07/06/17	0.00059	<0.0030

Appendix 3

Monitoring data report for: Bootjack Lake



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Cond (in situ) (µs/cm)	Dissolved Oxygen (in (%))	Dissolved Oxygen (in (mg/L))	pH (in situ) (pH)	Sample Depth (m)	Secchi Depth (m)	Temp (in situ) (Degrees Celcius)	NTU - in situ (ntu)
B1-B	25/05/17	90.7	59.5	7.19	8.21	15		7.182	0
B1-S	25/05/17	90.3	90.1	9.78	8.54	0	6.6	11.655	0
B1-10	25/05/17	90.6	62.6	7.54	8.19	10		7.307	0
B1-5	25/05/17	90.3	81.1	9.35	8.35	5		9.09	0
B2-B	25/05/17	89.5	65.8	7.94	8.07	15		7.246	0
B2-S	25/05/17	90.4	91.2	9.91	7.75	0	7.1	11.631	0
B2-10	25/05/17	90	72.3	8.64	8.1	10		7.645	0
B2-5	25/05/17	90.3	87.7	9.83	7.93	5		10.287	0

Printed Date: 10-Aug-2017

Monitoring data report for: Edney Creek



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Cond (in situ) (µs/cm)	Dissolved Oxygen (in %)	Dissolved Oxygen (in mg/L)	pH (in situ) (pH)	Temp (in situ) (Degrees Celcius)	NTU - in situ (ntu)
EDC-01	03/04/17	129.3	100.5	13.56	7.771	0.1	4.37
	06/04/17						9.47
	11/04/17	101			7.722	1.2	4.55
	18/04/17	99.3			7.86	1.8	10.12
	25/04/17	89.9			7.707	4.42	3.6
	02/05/17	95.4	103.8	11.49	7.797	5.8	2.8
	09/05/17	97.7			7.765	8.3	2.29
	17/05/17	105			8.003	8.7	2.93
	23/05/17	121.8			7.902	15.1	1.38
	01/06/17	150.3	103	9.46	8.015	14.9	1.43

Monitoring data report for: Hazeltine Creek



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Cond (in situ) (µs/cm)	Dissolved Oxygen (in %)	Dissolved Oxygen (in mg/L)	pH (in situ) (pH)	Temp (in situ) (Degrees Celcius)	NTU - in situ (ntu)
HAC-05a	03/04/17	344	100.4	12.33	7.889	2.7	7.35
	06/04/17						10.42
	11/04/17	272			8.077	4.3	4.54
	18/04/17	251			8.26	5.7	6.22
	25/04/17	265			8.164	7.1	2.47
	02/05/17	290	105.1	11.21	8.16	8.2	2.78
	09/05/17	296			8.289	9	3.08
	17/05/17	301			8.277	10.7	2.94
	23/05/17	290			8.46	15.8	1.03
	01/06/17	291	110.4	9.63	8.447	16.2	0.77
	06/06/17	893	110.5	9.46	8.115	17.5	1.61
	13/06/17	1251	108.2	9.29	7.924	17	2.52
	20/06/17	1246			7.815	15.9	1.76
	27/06/17	1189	105	8.96	7.798	17.8	1.54
HAC-08	03/04/17	278	101.7	12.94	8.196	2.1	15.37
	02/05/17	274	104.3	11.13	8.255	8.8	5.65
	01/06/17	302	103.6	9.37	8.454	15.4	2.71
	06/06/17	806	101.9	8.52	8.473	19.4	2.27
	13/06/17	1047	101.3	9.07	8.403	16.2	2.23
HAC-10	03/04/17	262	86.1	10.66	7.703	2.3	1.72
	18/04/17	211			8.045	4.8	2.82
	25/04/17	226			8.173	3.4	2.363
	28/04/17	251			8	5.2	3

Printed Date: 10-Aug-2017

Monitoring data report for: Hazeltine Creek



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Cond (in situ) (µs/cm)	Dissolved Oxygen (in %)	Dissolved Oxygen (in mg/L)	pH (in situ) (pH)	Temp (in situ) (Degrees Celcius)	NTU - in situ (ntu)
HAC-10	02/05/17	270	107	12.02	8.292	6.1	2.03
	09/05/17	277			8.468	7.2	2.12
	17/05/17	279			8.398	9.2	1.52
	23/05/17	275			8.533	13.4	1.06
	01/06/17	280	118	10.51	8.425	15.2	0.45
	06/06/17	277	104.4	9.49	8.138	14.9	3.12
	13/06/17	277	110	9.52	8.389	16.4	1.3
	20/06/17	283			8.552	15.9	1.13
	27/06/17	279	110.1	9.22	8.309	18.3	2
HAC-12	03/04/17	280	104.5	15.1	8.059	1.5	11.43
	06/04/17						15.3
	11/04/17	247			7.947	4.6	14.92
	18/04/17	242	102.6	12.06	7.991	4.3	12.76
	19/04/17						14.83
	25/04/17	269			7.833	6.5	7.16
	02/05/17	296	109.3	11.77	8.089	8.7	4.52
	09/05/17	317			8.078	9.1	9.18
	17/05/17	311	103.5	10.84	8.05	8.9	5.4
	23/05/17	290			8.22	16.3	2.49
	01/06/17	319	104.1	9.82	8.125	13.8	1.18
	06/06/17	347	106	9.22	8.004	17.5	2.52
	12/06/17	697.9			7.7	14.344	0.95
	13/06/17	710	105.3	9.98	8.135	13.6	1.04
	19/06/17	742			7.08	13.935	0.94
	20/06/17	775	92.7	9.83	8.278	15.2	0.69

Printed Date: 10-Aug-2017

Monitoring data report for: Hazeltine Creek



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Cond (in situ) (µs/cm)	Dissolved Oxygen (in %)	Dissolved Oxygen (in mg/L)	pH (in situ) (pH)	Temp (in situ) (Degrees Celcius)	NTU - in situ (ntu)
HAC-12	27/06/17	767	101.7	9.65	8.148	13.7	1.68
HAC-13 - HAC U/S	03/04/17	329	99.7	12.3	8.04	2.4	2.74
	11/04/17	256			8.18	3.8	2.3
	02/05/17	279	106.4	11.65	8.26	7	2.53
	01/06/17	283	110.2	9.79	8.486	15.8	0.92
	06/06/17	288	110	9.48	8.394	17.3	1.19
	13/06/17	299	125.3	10.96	8.58	17.4	0.65
	20/06/17	311			8.402	15.8	1.41
	27/06/17	318	115	9.81	8.368	17.6	1.54

Monitoring data report for: Permitted CW Quality Site



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Cond (in situ) (µs/cm)	Dissolved Oxygen (in (%))	Dissolved Oxygen (in (mg/L))	pH (in situ) (pH)	Temp (in situ) (Degrees Celcius)	NTU - in situ (ntu)
E19	17/04/17	955			8.052	6.1	7.63
	02/05/17	1157	103.4	11.05	8.207	7.9	6.59
	31/05/17	1312			8.142	15.8	6.75
	06/06/17	1318	103.1	9.19	8.148	15.3	4.16
	13/06/17	1336	103.3	9.23	8.17	15.1	4.48
	20/06/17	1347			8.26	15.6	3.76
	27/06/17	1334			8.137	17	3.64
HAD-3	06/06/17	1338	104.7	9.28	7.652	15.2	0.5
	13/06/17	1347			7.612	15.1	0.53
	20/06/17	1359			7.61	15.5	1.49
	27/06/17	1344			7.59	17.1	0.86

Monitoring data report for: Permitted Surface Water Quality Site



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Cond (in situ) (µs/cm)	Dissolved Oxygen (in %)	Dissolved Oxygen (in mg/L)	pH (in situ) (pH)	Temp (in situ) (Degrees Celcius)	NTU - in situ (ntu)
W1	04/05/17	88.2			7.391	6.6	1.89
	07/06/17	108.1			7.747	17.6	1.56
W10	03/04/17	121.9	101	13.71	7.698	-0.1	3.96
	06/04/17	100.5			7.596	0.5	2.71
	18/04/17	97.4			7.786	1.5	5.49
	25/04/17	87.8			7.791	3.5	3.42
	02/05/17	92.3	102.9	11.98	7.788	5.5	2.39
	09/05/17	97.2			7.748	8.2	2.64
	17/05/17	102.8			7.779	8.1	1.47
	23/05/17	117.5			7.824	14	1.33
	01/06/17	140.9	101.3	9.44	7.992	14.1	1.02
W12	04/05/17	128.7			7.231	6.9	0.32
	10/06/17	171.4			7.58	10.5	0.47
W20 Creek	25/05/17	119.8			8.27	8.972	1.11
W4a	05/04/17	260			8.118	1	5.25
	12/04/17	240			7.983	2.2	4.25
	18/04/17	212			7.946	3.4	7.28
	25/04/17	190.7			8.074	2.6	3.32
	04/05/17	198.5			8.04	3.3	3.35
	07/06/17	294			8.23	8.8	1.25
W5	05/04/17	77.5			7.209	-0.1	4.17
	12/04/17	64.8			6.875	-0.1	1.7
	18/04/17	59.8			7.338	-0.1	2.57

Printed Date: 10-Aug-2017

Monitoring data report for: Permitted Surface Water Quality Site



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Cond (in situ) (µs/cm)	Dissolved Oxygen (in (%))	Dissolved Oxygen (in (mg/L))	pH (in situ) (pH)	Temp (in situ) (Degrees Celcius)	NTU - in situ (ntu)
W5	25/04/17	54.8			7.482	1.2	1.21
	04/05/17	53			7.278	4	1.49
	20/06/17	145.6			7.809	10	2.45
W8	05/04/17	127.5			7.46	0.1	2.5
	12/04/17	114.3			7.437	0.3	1.66
	18/04/17	118.1			7.418	1.6	1.88
	25/04/17	456.9			7.723	3.7	1.5
	04/05/17	157.2			7.569	4.5	1.58
W8z	01/05/17	47			7.605	2.4	1.56

Monitoring data report for: Polley Lake



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Cond (in situ) (µs/cm)	Dissolved Oxygen (in %)	Dissolved Oxygen (in mg/L)	pH (in situ) (pH)	Sample Depth (m)	Secchi Depth (m)	Temp (in situ) (Degrees Celcius)	NTU - in situ (ntu)
P1-B	03/05/17	271	82	10.54	8.11	28		4.729	2.21
	18/06/17	271.9	56.1	7.15	6.73	27		5.046	0.96
	28/06/17	284.2	52.9	6.72	7.66	27		5.136	1.02
P1-S	03/05/17	265.7	93.3	11.74	7.53	0	2.6	5.548	1.29
	18/06/17	263.3	95.8	9.33	6.72	0	6.5	16.631	0.23
	28/06/17	275.5	96.3	9.47	8.17	0	7.8	16.184	0.18
P1-10	03/05/17	266.6	90.6	11.48	8.12	10		5.243	1.33
	18/06/17	265.2	85.7	9.74	6.74	10		9.742	0.47
	28/06/17	277.2	79.6	9.21	7.97	10		8.91	0.37
P1-15	18/06/17	267.7	73.2	9.03	6.74	15		6.304	0.6
	28/06/17	281	67	8.31	7.81	15		6.109	0.58
P1-20	03/05/17	268.8	85.8	10.97	8.14	20		4.913	1.59
	18/06/17	269.7	66.6	8.39	6.73	20		5.534	0.75
	28/06/17	283.9	54.9	6.97	7.72	20		5.178	0.94
P1-25	18/06/17	271.9	56.6	7.21	6.73	25		5.049	1.06
	28/06/17	284.1	53.4	6.78	7.68	25		5.147	1
P1-5	18/06/17	262.6	92.5	9.48	6.73	5		14.252	0.32
	28/06/17	275.7	95.7	9.44	8.26	5		16.007	0.21
P2-B	03/05/17	281	58	7.59	7.85	26		4.02	5.22
	18/06/17	272.2	54.4	6.94	6.71	27		5.019	1.16
	28/06/17	284.6	51.7	6.58	7.73	28		5.085	1.18
P2-S	03/05/17	275.1	77.4	9.99	7.99	0	2.4	4.563	1.73
	18/06/17	263.2	95.1	9.4	6.73	0	7.9	15.91	0.31

Printed Date: 10-Aug-2017

Monitoring data report for: Polley Lake



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Cond (in situ) (µs/cm)	Dissolved Oxygen (in (%))	Dissolved Oxygen (in (mg/L))	pH (in situ) (pH)	Sample Depth (m)	Secchi Depth (m)	Temp (in situ) (Degrees Celcius)	NTU - in situ (ntu)
P2-S	28/06/17	276.4	96	9.22	8.25	0	7.4	17.274	0.17
P2-10	03/05/17	275.2	76.3	9.89	7.99	10		4.429	1.8
	18/06/17	265.5	88	9.63	6.74	10		11.264	0.53
	28/06/17	275.9	93.8	9.3	8.33	10		15.712	0.19
P2-15	18/06/17	268.6	70	8.72	6.7	15		5.935	0.68
	28/06/17	280.6	69.9	8.65	7.93	15		6.169	0.51
P2-20	03/05/17	279.5	63.1	8.25	8.25	20		4.099	2.59
	18/06/17	271.1	59.5	7.55	6.72	20		5.224	0.92
	28/06/17	283.9	55.4	7.03	7.78	20		5.227	0.91
P2-5	18/06/17	262.3	93	9.47	6.72	5		14.473	0.52
	28/06/17	276.4	95.7	9.22	8.35	5		17.136	0.14

Monitoring data report for: Quesnel Lake



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Cond (in situ) (µs/cm)	Dissolved Oxygen (in %)	Dissolved Oxygen (in mg/L)	pH (in situ) (pH)	Sample Depth (m)	Secchi Depth (m)	Temp (in situ) (Degrees Celcius)	NTU - in situ (ntu)
QUL-120a-0m	10/04/17	106.9	88.8	12.1	7.56	0	12	2.507	0.44
	21/06/17	104.2	98.7	10.74	7.88	0	6.6	11.577	0.63
QUL-120a-120	21/06/17					120			
QUL-120a-140	21/06/17					140			
QUL-120a-190	10/04/17	108.6			7.59	190		4.881	0.38
QUL-120a-40m	21/06/17	114.2	87.6	11.36	7.82	40		4.392	0.57
QUL-120a-80m	10/04/17	107.5	85.8	11.71	7.62	80		2.456	0.29
	21/06/17					80			
QUL-18-0m	11/04/17	111.5	89.5	12.14	7.63	0	10.7	2.732	0.4
	28/05/17	114.7	102.6	10.41	8.2	0		14.69	0.34
	19/06/17	98.1	90.4	9.96	7.18	0	5.5	10.993	0.76
QUL-18-100m	11/04/17	114.4	80.7	10.79	7.63	100		3.256	2.6
	28/05/17	115.7	83	10.88	7.4	100		3.973	1.02
	19/06/17					100			
QUL-18-20m	11/04/17	111.1	88.1	11.95	7.62	20		2.705	0.49
	28/05/17	114.4	90.4	11.58	8	20		4.874	0.33
	19/06/17	104.2	88.8	10.65	7.61	20		7.406	0.8
QUL-18-50m	11/04/17	112.8	85.1	11.51	7.63	50		2.829	0.63
	28/05/17	114.8	87.3	11.31	7.7	50		4.445	0.47
	19/06/17	110	87.2	11.2	7.61	50		4.753	0.79
QUL-2a-0m	10/04/17	109.1	86.2	11.69	7.6	0	9.25	2.717	0.76
	09/05/17	109.9	94.7	12.1	7.74	0	9	4.953	0.25
	19/06/17	100.6	92.9	9.9	7.54	0	6.25	12.509	0.94

Printed Date: 10-Aug-2017

Monitoring data report for: Quesnel Lake



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Cond (in situ) (µs/cm)	Dissolved Oxygen (in (%))	Dissolved Oxygen (in (mg/L))	pH (in situ) (pH)	Sample Depth (m)	Secchi Depth (m)	Temp (in situ) (Degrees Celcius)	NTU - in situ (ntu)
QUL-2a-20m	10/04/17	109.3	85.5	11.59	7.6	20		2.718	0.79
	09/05/17	110.2	91.3	11.94	7.76	20		4.071	0.34
	19/06/17	106.1	89	11	7.54	20		6.134	0.9
QUL-2a-40m	10/04/17	111.3	81.7	10.69	7.59	40		3.104	1.49
	09/05/17	110.1	89.9	11.79	7.76	40		3.976	0.32
	19/06/17	108.5	87.5	11.19	7.52	40		4.944	0.89
QUL-2a-60m	10/04/17	111.2	78.8	10.53	7.59	60		3.238	1.99
	09/05/17	110.4	89.2	11.69	7.76	60		3.991	0.35
	19/06/17	110.3	86.5	11.17	7.52	60		4.568	0.95
QUL-58-AT	10/04/17	109.9	85.3	11.58	7.35	24		2.679	0.83
	12/06/17	104.3	93.6	10.55	7.71	14		10.08	0.34
	19/06/17	102.9	91.3	10.61	7.78	10		8.723	0.74
	27/06/17	122.2	86.1	10.89	7.78	29		5.347	0
QUL-58-B	10/04/17	110.9	80.4	10.83	7.37	65		2.988	1.14
	09/05/17	113.4	87.8	11.53	7.42	68		3.928	0.64
	15/05/17	114.2	93	12.18	7.52	68		4.048	0
	22/05/17	110.8	84.8	11.11	7.53	68		4.014	0
	29/05/17	111.3	87.7	11.42	7.4	68		4.224	0.71
	12/06/17					68			
	27/06/17	113.6	84.4	10.91	7.8	68		4.544	0
QUL-58-BT	10/04/17	110	83.4	11.28	7.36	46		2.79	0.94
	12/06/17	117.3	88.6	11.27	7.75	41		5.136	0.34
	19/06/17	109.6	87.9	11.21	7.71	41		5.032	0.73
	27/06/17	111.4	85.2	10.94	7.79	46		4.756	0
QUL-58-MID	09/05/17	112.2	88.6	11.65	7.42	35		3.876	0.54

Printed Date: 10-Aug-2017

Monitoring data report for: Quesnel Lake



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Cond (in situ) (µs/cm)	Dissolved Oxygen (in (%))	Dissolved Oxygen (in (mg/L))	pH (in situ) (pH)	Sample Depth (m)	Secchi Depth (m)	Temp (in situ) (Degrees Celcius)	NTU - in situ (ntu)
QUL-58-MID	15/05/17	115.8	93.2	12.11	7.54	35		4.33	0
	22/05/17	110.8	86.5	11.15	7.54	35		4.619	0
	29/05/17	111.4	89.1	11.5	7.41	34		4.587	0.55
QUL-58-S	10/04/17	109.5	87.6	11.76	7.27	0	9.5	2.81	0.74
	09/05/17	114.9	91.2	11.94	7.42	0	6.4	4.038	0.68
	15/05/17	114.1	95.2	12.24	7.48	0	4.9	4.725	0
	22/05/17	104.3	88.9	9.49	7.34	0	9.7	11.96	0.75
	29/05/17	105.2	102.5	11.08	7.36	0	9	12.01	0.63
	05/06/17	108.4	90.8	9.48	7.71	0	6.3	13.149	0.49
	12/06/17	101.9	91	9.68	7.79	0	6.5	12.462	0.52
	19/06/17	100.5	89.7	9.89	7.76	0	5.25	11.068	0.81
	27/06/17	101	92.2	9.47	7.81	0	5.75	14.166	0.01
QUL-ZOO-7	12/06/17	104.7	95.4	10.25	7.98	0	7	12.118	0.58

		Cond (in situ) (µs/cm)	pH (in situ) (pH)	Temp (in situ) (Degrees Celcius)	NTU - in situ (ntu)
QUR-11	12/04/17	122.3	8.083	4.6	0.47
	11/05/17	118.7	8.134	9.4	0.49
	01/06/17	122.6	8.268	11.9	0.82

Printed Date: 10-Aug-2017

Appendix 4

Monitoring data report for: Permitted Hydrology Sites



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Q (m ³ /s)	Staff Gauge (m)
H1 Up HAC Hydrology	22/04/17	0.2362	0.451
	17/05/17		0.51
	23/05/17		0.538
	06/06/17		0.462
	10/06/17	0.2108	0.411
H2 Low HAC Hydrology	22/04/17	0.4067	0.481
	28/05/17	0.5202	
	06/06/17		0.442
	10/06/17	0.2137	0.388
H3 Low EDC Hydrology	04/05/17		1
	09/05/17		0.885
	17/05/17		0.84
	23/05/17		0.63
H4 POL Weir Hydrolog	22/04/17	0.2173	0.598
	02/05/17		0.634
	09/05/17		0.644
	14/05/17	0.2539	0.624
	17/05/17		0.638
	23/05/17		0.656
	27/05/17	0.4264	0.652

Printed Date: 10-Aug-2017

Monitoring data report for: Permitted Surface Water Quality Site



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Q (m ³ /s)	Staff Gauge (m)
W1b - Morehead Creek	04/05/17		0.448
	21/06/17	0.0561	0.223
W4a	05/04/17	0.00497	
	18/04/17	0.01523	
	07/06/17	0.00238	
W5	04/05/17		0.238
W12	04/05/17		0.862
	10/06/17	0.057	0.698

Printed Date: 10-Aug-2017

Appendix 5

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Conductivity ($\mu\text{s}/\text{cm}$)	Hardness (as CaCO_3) (mg/L)	pH (pH)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (ntu)	Alkalinity (CaCO_3) (mg/L)	Ammonia (as N) (mg/L)	Chloride (Cl) (mg/L)
Boundary Dump Seep 2	24/04/17	1410	801	7.9	1130	<1.0	0.37	96.6	0.0552	<2.5
Boundary Dump Seep 2	30/05/17	1260	686	8.03	1040	2.1	1.03	148	0.0417	<2.5
Boundary Dump Seep 2	20/06/17	1230	670	8.02	1090	12.8	8.86	180	0.0677	<2.5

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Fluoride (F) (mg/L)	Nitrate (as N) (mg/L)	Nitrate and Nitrite (as N) (mg/L)	Nitrite (as N) (mg/L)	Orthophosphate-Dissolved (as P) (mg/L)	Phosphorus (P) Total Dissolved (mg/L)	Phosphorus (P) Total (mg/L)
Boundary Dump Seep 2	24/04/17	0.24	1.8	1.8	0.0084	0.0147	0.0199	0.0198
Boundary Dump Seep 2	30/05/17	0.16	0.514	0.521	0.0074	0.0183	0.0224	0.048
Boundary Dump Seep 2	20/06/17	0.14	0.142	0.142	<0.0050	0.0166	0.0216	0.149

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Sulphate (mg/L)	Total Nitrogen (mg/L)	Dissolved Organic Carbon (mg/L)	Aluminum (Al)-Total (mg/L)	Antimony (Sb)-Total (mg/L)	Arsenic (As)-Total (mg/L)	Barium (Ba)-Total (mg/L)
Boundary Dump Seep 2	24/04/17	722	2.08	7.63	0.0121	0.00023	0.00068	0.0482
Boundary Dump Seep 2	30/05/17	609	0.767	4.65	0.0044	0.00035	0.00075	0.0451
Boundary Dump Seep 2	20/06/17	604	0.687	5.13	0.0747	0.00017	0.00251	0.0539

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Beryllium (Be)-Total (mg/L)	Bismuth (Bi)-Total (mg/L)	Boron (B)-Total (mg/L)	Cadmium (Cd)-Total (mg/L)	Calcium (Ca)-Total (mg/L)	Chromium (Cr)-Total (mg/L)
Boundary Dump Seep 2	24/04/17	<0.00010	<0.000050	0.048	<0.000090	260	<0.00050
Boundary Dump Seep 2	30/05/17	<0.00010	0.00007	0.047	<0.000065	247	<0.00050
Boundary Dump Seep 2	20/06/17	<0.00010	<0.000050	0.049	0.000121	245	<0.00050

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Cobalt (Co)-Total (mg/L)	Copper (Cu)-Total (mg/L)	Iron (Fe)-Total (mg/L)	Lead (Pb)-Total (mg/L)	Lithium (Li)-Total (mg/L)	Magnesium (Mg)-Total (mg/L)
Boundary Dump Seep 2	24/04/17	0.00039	0.00666	0.064	0.000089	0.0025	41
Boundary Dump Seep 2	30/05/17	0.00028	0.0103	0.142	0.000172	0.0021	36.3
Boundary Dump Seep 2	20/06/17	0.00107	0.0382	1.33	0.000991	0.0025	34.8

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Manganese (Mn)-Total (mg/L)	Molybdenum (Mo)-Total (mg/L)	Nickel (Ni)-Total (mg/L)	Potassium (K)-Total (mg/L)	Selenium (Se)-Total (mg/L)	Silicon (Si)-Total (mg/L)
Boundary Dump Seep 2	24/04/17	0.138	0.0709	<0.00050	1.85	0.014	5.05
Boundary Dump Seep 2	30/05/17	0.0664	0.0408	<0.00050	1.49	0.00449	5.77
Boundary Dump Seep 2	20/06/17	0.264	0.0248	<0.00050	1.92	0.00198	5.97

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Silver (Ag)-Total (mg/L)	Sodium (Na)-Total (mg/L)	Strontium (Sr)-Total (mg/L)	Thallium (Tl)-Total (mg/L)	Tin (Sn)-Total (mg/L)	Titanium (Ti)-Total (mg/L)
Boundary Dump Seep 2	24/04/17	<0.000010	9.71	3.29	<0.000010	<0.00010	<0.010
Boundary Dump Seep 2	30/05/17	<0.000010	8.15	2.58	<0.000010	<0.00010	<0.010
Boundary Dump Seep 2	20/06/17	<0.000010	7.88	2.5	<0.000010	<0.00010	<0.010

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Uranium (U)-Total (mg/L)	Vanadium (V)-Total (mg/L)	Zinc (Zn)-Total (mg/L)	Aluminum (Al)-Dissolved (mg/L)	Antimony (Sb)-Dissolved (mg/L)	Arsenic (As)-Dissolved (mg/L)
Boundary Dump Seep 2	24/04/17	0.000953	0.00084	<0.0030	0.0066	0.00021	0.00057
Boundary Dump Seep 2	30/05/17	0.00127	0.00072	<0.0030	<0.0030	0.00017	0.00057
Boundary Dump Seep 2	20/06/17	0.00115	0.00222	0.0047	<0.0030	0.00016	0.00067

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Barium (Ba)-Dissolved (mg/L)	Beryllium (Be)-Dissolved (mg/L)	Bismuth (Bi)-Dissolved (mg/L)	Boron (B)-Dissolved (mg/L)	Cadmium (Cd)-Dissolved (mg/L)	Calcium (Ca)-Dissolved (mg/L)
Boundary Dump Seep 2	24/04/17	0.0453	<0.00010	<0.000050	0.045	<0.000065	253
Boundary Dump Seep 2	30/05/17	0.0423	<0.00010	<0.000050	0.048	<0.000070	221
Boundary Dump Seep 2	20/06/17	0.0473	<0.00010	<0.000050	0.058	3.38E-05	222

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Chromium (Cr)-Dissolved (mg/L)	Cobalt (Co)-Dissolved (mg/L)	Copper (Cu)-Dissolved (mg/L)	Iron (Fe)-Dissolved (mg/L)	Lead (Pb)-Dissolved (mg/L)	Lithium (Li)-Dissolved (mg/L)
Boundary Dump Seep 2	24/04/17	<0.00050	0.00034	0.00548	0.056	0.000078	0.0025
Boundary Dump Seep 2	30/05/17	<0.00050	0.00021	0.00754	0.032	<0.000050	0.0023
Boundary Dump Seep 2	20/06/17	<0.00050	<0.00010	0.00724	0.044	<0.000050	0.0023

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Magnesium (Mg)-Dissolved (mg/L)	Manganese (Mn)-Dissolved (mg/L)	Molybdenum (Mo)-Dissolved (mg/L)	Nickel (Ni)-Dissolved (mg/L)	Potassium (K)-Dissolved (mg/L)	Selenium (Se)-Dissolved (mg/L)
Boundary Dump Seep 2	24/04/17	41.1	0.127	0.0661	<0.00050	1.68	0.0129
Boundary Dump Seep 2	30/05/17	32.8	0.0464	0.0375	<0.00050	1.48	0.00441
Boundary Dump Seep 2	20/06/17	28.2	0.00324	0.0209	<0.00050	1.5	0.00205

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Silicon (Si)-Dissolved (mg/L)	Silver (Ag)-Dissolved (mg/L)	Sodium (Na)-Dissolved (mg/L)	Strontium (Sr)-Dissolved (mg/L)	Thallium (Tl)-Dissolved (mg/L)	Tin (Sn)-Dissolved (mg/L)
Boundary Dump Seep 2	24/04/17	4.87	<0.000010	9.17	3.47	<0.000010	<0.00010
Boundary Dump Seep 2	30/05/17	5.52	<0.000010	7.52	2.31	<0.000010	<0.00010
Boundary Dump Seep 2	20/06/17	5.98	<0.000010	7.19	1.94	<0.000010	<0.00010

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Titanium (Ti)-Dissolved (mg/L)	Uranium (U)-Dissolved (mg/L)	Vanadium (V)-Dissolved (mg/L)	Zinc (Zn)-Dissolved (mg/L)
Boundary Dump Seep 2	24/04/17	<0.010	0.000943	0.00055	<0.0030
Boundary Dump Seep 2	30/05/17	<0.010	0.00126	0.00053	<0.0030
Boundary Dump Seep 2	20/06/17	<0.010	0.001	<0.00050	<0.0030

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Conductivity ($\mu\text{s}/\text{cm}$)	Hardness (as CaCO_3) (mg/L)	pH (pH)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (ntu)	Alkalinity (CaCO_3) (mg/L)	Ammonia (as N) (mg/L)	Chloride (Cl) (mg/L)
East Dump Seep 1	30/05/17	1060	558	7.51	819	<1.0	0.21	39.4	<0.0050	<2.5
East Dump Seep 2	30/05/17	988	521	7.76	768	<1.0	0.24	43.9	<0.0050	<2.5
East Dump Seep 3	30/05/17	769	385	7.89	542	1.2	0.44	53.6	<0.0050	<2.5
East Dump Seep 4	30/05/17	624	315	7.61	438	117	8.44	53	<0.0050	<0.50

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Fluoride (F) (mg/L)	Nitrate (as N) (mg/L)	Nitrate and Nitrite (as N) (mg/L)	Nitrite (as N) (mg/L)	Orthophosphate-Dissolved (as P) (mg/L)	Phosphorus (P) Total Dissolved (mg/L)	Phosphorus (P) Total (mg/L)
East Dump Seep 1	30/05/17	<0.10	0.649	0.656	0.0065	<0.0010	0.0041	0.0062
East Dump Seep 2	30/05/17	<0.10	3.27	3.27	<0.0050	<0.0010	0.0024	0.0095
East Dump Seep 3	30/05/17	<0.10	2.37	2.37	<0.0050	0.003	0.005	0.0065
East Dump Seep 4	30/05/17	0.063	1.41	1.41	<0.0010	0.004	0.0059	0.086

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Sulphate (mg/L)	Total Nitrogen (mg/L)	Dissolved Organic Carbon (mg/L)	Aluminum (Al)-Total (mg/L)	Antimony (Sb)-Total (mg/L)	Arsenic (As)-Total (mg/L)	Barium (Ba)-Total (mg/L)
East Dump Seep 1	30/05/17	566	0.773	5.42	0.0176	0.00012	0.00026	0.051
East Dump Seep 2	30/05/17	494	3.12	4.08	0.0249	0.00012	0.00018	0.0639
East Dump Seep 3	30/05/17	340	2.43	3.88	0.0236	0.00012	0.00022	0.0535
East Dump Seep 4	30/05/17	256	1.49	4.48	0.949	0.00012	0.00065	0.0408

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Beryllium (Be)-Total (mg/L)	Bismuth (Bi)-Total (mg/L)	Boron (B)-Total (mg/L)	Cadmium (Cd)-Total (mg/L)	Calcium (Ca)-Total (mg/L)	Chromium (Cr)-Total (mg/L)
East Dump Seep 1	30/05/17	<0.00010	<0.000050	0.058	0.000121	175	<0.00050
East Dump Seep 2	30/05/17	<0.00010	<0.000050	0.041	0.00169	168	<0.00050
East Dump Seep 3	30/05/17	<0.00010	<0.000050	0.025	0.0011	122	<0.00050
East Dump Seep 4	30/05/17	<0.00010	<0.000050	0.016	0.000859	97.7	0.00145

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Cobalt (Co)-Total (mg/L)	Copper (Cu)-Total (mg/L)	Iron (Fe)-Total (mg/L)	Lead (Pb)-Total (mg/L)	Lithium (Li)-Total (mg/L)	Magnesium (Mg)-Total (mg/L)
East Dump Seep 1	30/05/17	0.0001	0.00472	<0.030	<0.000050	<0.0010	36.2
East Dump Seep 2	30/05/17	<0.00010	0.0106	<0.030	<0.000050	0.0014	28.3
East Dump Seep 3	30/05/17	<0.00010	0.00849	0.107	<0.000050	<0.0010	22.4
East Dump Seep 4	30/05/17	0.00098	0.0167	1	0.000584	<0.0010	17.9

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Manganese (Mn)-Total (mg/L)	Molybdenum (Mo)-Total (mg/L)	Nickel (Ni)-Total (mg/L)	Potassium (K)-Total (mg/L)	Selenium (Se)-Total (mg/L)	Silicon (Si)-Total (mg/L)
East Dump Seep 1	30/05/17	0.00896	0.0462	0.00092	2.04	0.0327	3.6
East Dump Seep 2	30/05/17	0.00115	0.0645	0.00119	1.94	0.0483	6.1
East Dump Seep 3	30/05/17	0.00131	0.0918	0.00706	1.33	0.0476	5.32
East Dump Seep 4	30/05/17	0.0446	0.0677	0.00196	1.24	0.0533	6.18

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Silver (Ag)-Total (mg/L)	Sodium (Na)-Total (mg/L)	Strontium (Sr)-Total (mg/L)	Thallium (Tl)-Total (mg/L)	Tin (Sn)-Total (mg/L)	Titanium (Ti)-Total (mg/L)
East Dump Seep 1	30/05/17	<0.000010	15.9	3.41	<0.000010	<0.00010	<0.010
East Dump Seep 2	30/05/17	<0.000010	10.3	2.06	<0.000010	<0.00010	<0.010
East Dump Seep 3	30/05/17	<0.000010	8.38	1.56	<0.000010	<0.00010	<0.010
East Dump Seep 4	30/05/17	0.000013	6.31	1.12	<0.000010	<0.00010	0.026

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Uranium (U)-Total (mg/L)	Vanadium (V)-Total (mg/L)	Zinc (Zn)-Total (mg/L)	Aluminum (Al)-Dissolved (mg/L)	Antimony (Sb)-Dissolved (mg/L)	Arsenic (As)-Dissolved (mg/L)
East Dump Seep 1	30/05/17	<0.000010	<0.00050	0.0182	0.0116	<0.00010	0.00022
East Dump Seep 2	30/05/17	0.000042	0.00055	0.183	0.0035	<0.00010	0.00015
East Dump Seep 3	30/05/17	0.00022	0.00054	0.107	0.0054	<0.00010	0.0002
East Dump Seep 4	30/05/17	0.000182	0.0032	0.089	0.0113	<0.00010	0.00023

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Barium (Ba)-Dissolved (mg/L)	Beryllium (Be)-Dissolved (mg/L)	Bismuth (Bi)-Dissolved (mg/L)	Boron (B)-Dissolved (mg/L)	Cadmium (Cd)-Dissolved (mg/L)	Calcium (Ca)-Dissolved (mg/L)
East Dump Seep 1	30/05/17	0.051	<0.00010	<0.000050	0.055	0.000122	166
East Dump Seep 2	30/05/17	0.0651	<0.00010	<0.000050	0.04	0.00165	161
East Dump Seep 3	30/05/17	0.0539	<0.00010	<0.000050	0.024	0.00107	118
East Dump Seep 4	30/05/17	0.0322	<0.00010	<0.000050	0.015	0.000754	96.2

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Chromium (Cr)-Dissolved (mg/L)	Cobalt (Co)-Dissolved (mg/L)	Copper (Cu)-Dissolved (mg/L)	Iron (Fe)-Dissolved (mg/L)	Lead (Pb)-Dissolved (mg/L)	Lithium (Li)-Dissolved (mg/L)
East Dump Seep 1	30/05/17	<0.00050	<0.00010	0.00435	<0.030	<0.000050	<0.0010
East Dump Seep 2	30/05/17	<0.00050	<0.00010	0.00935	<0.030	<0.000050	0.0014
East Dump Seep 3	30/05/17	<0.00050	<0.00010	0.0066	<0.030	<0.000050	<0.0010
East Dump Seep 4	30/05/17	<0.00050	<0.00010	0.0099	<0.030	<0.000050	<0.0010

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Magnesium (Mg)-Dissolved (mg/L)	Manganese (Mn)-Dissolved (mg/L)	Molybdenum (Mo)-Dissolved (mg/L)	Nickel (Ni)-Dissolved (mg/L)	Potassium (K)-Dissolved (mg/L)	Selenium (Se)-Dissolved (mg/L)
East Dump Seep 1	30/05/17	35	0.00498	0.0472	0.00077	2.09	0.0311
East Dump Seep 2	30/05/17	28.7	0.00021	0.0643	0.0011	2.06	0.0452
East Dump Seep 3	30/05/17	22.2	0.00052	0.0915	0.00059	1.38	0.0437
East Dump Seep 4	30/05/17	18.1	0.0008	0.073	<0.00050	1.2	0.0497

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Silicon (Si)-Dissolved (mg/L)	Silver (Ag)-Dissolved (mg/L)	Sodium (Na)-Dissolved (mg/L)	Strontium (Sr)-Dissolved (mg/L)	Thallium (Tl)-Dissolved (mg/L)	Tin (Sn)-Dissolved (mg/L)
East Dump Seep 1	30/05/17	3.43	<0.000010	15.2	3.44	<0.000010	<0.00010
East Dump Seep 2	30/05/17	5.91	<0.000010	10.1	2.04	<0.000010	<0.00010
East Dump Seep 3	30/05/17	5.16	<0.000010	8.19	1.57	<0.000010	<0.00010
East Dump Seep 4	30/05/17	4.49	<0.000010	6.34	1.12	<0.000010	<0.00010

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Titanium (Ti)-Dissolved (mg/L)	Uranium (U)-Dissolved (mg/L)	Vanadium (V)-Dissolved (mg/L)	Zinc (Zn)-Dissolved (mg/L)
East Dump Seep 1	30/05/17	<0.010	<0.000010	<0.00050	0.018
East Dump Seep 2	30/05/17	<0.010	0.000044	<0.00050	0.187
East Dump Seep 3	30/05/17	<0.010	0.000223	<0.00050	0.104
East Dump Seep 4	30/05/17	<0.010	0.000139	<0.00050	0.0789

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Conductivity (µs/cm)	Hardness (as CaCO ₃) (mg/L)	pH (pH)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (ntu)	Alkalinity (CaCO ₃) (mg/L)	Ammonia (as N) (mg/L)	Chloride (Cl) (mg/L)
NEZ Seep 1	06/04/17	1450	887	7.32	1210	24.1	31.3	41.1	0.0066	8.1
NEZ Seep 1	16/05/17	1730	1080	7.59	1530	10.7	8.79	46	<0.0050	5.9
NEZ Seep 1	31/05/17	1760	1030	7.75	1520	5.9	5.89	52.8	<0.0050	5.6
NEZ Seep 1	20/06/17	1800	1010	7.8	1570	6.3	6.2	58.1	<0.0050	5.6
NEZ Dump Seep 10	31/05/17	1300	681	8.32	1020	1.1	2.14	184	<0.0050	<2.5
NEZ Dump Seep 11	31/05/17	1340	822	8.35	1070	13.3	0.28	231	<0.0050	<2.5
NEZ Dump Seep 12	31/05/17	1220	718	8.23	944	9.8	6.32	147	<0.0050	<2.5
NEZ Dump Seep 13	31/05/17	1280	763	8.23	1010	<1.0	0.33	194	0.007	<2.5
NEZ Dump Seep 14	31/05/17	459	223	7.78	307	1.7	0.39	60.6	0.0074	<0.50
NEZ Dump Seep 2	31/05/17	1890	1120	7.85	1660	<1.0	1.08	65.5	<0.0050	<5.0
NEZ Dump Seep 3	31/05/17	2090	1340	7.9	1880	<1.0	0.13	76.3	<0.0050	<10
NEZ Dump Seep 4	31/05/17	1910	1190	7.93	1690	7.8	0.67	93	<0.0050	<5.0
NEZ Dump Seep 7	31/05/17	524	263	8.23	346	2.6	0.67	127	<0.0050	<0.50
NEZ Dump Seep 9	31/05/17	1500	881	7.81	1230	<1.0	0.23	63.3	<0.0050	<5.0

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Fluoride (F) (mg/L)	Nitrate (as N) (mg/L)	Nitrate and Nitrite (as N) (mg/L)	Nitrite (as N) (mg/L)	Orthophosphate-Dissolved (as P) (mg/L)	Phosphorus (P) Total Dissolved (mg/L)	Phosphorus (P) Total (mg/L)
NEZ Seep 1	06/04/17	1.2	2.52	2.52	<0.0050	<0.0010	0.0021	0.0055
NEZ Seep 1	16/05/17	0.75	2.92	2.92	<0.0050	<0.0010	<0.0020	<0.0020
NEZ Seep 1	31/05/17	0.63	2.85	2.85	<0.010	<0.0010	<0.0020	0.0027
NEZ Seep 1	20/06/17	0.64	2.85	2.85	<0.010	<0.0010	<0.0020	0.0024
NEZ Dump Seep 10	31/05/17	0.18	0.732	0.732	<0.0050	0.0104	0.0127	0.0111
NEZ Dump Seep 11	31/05/17	0.2	0.45	0.45	<0.0050	0.0078	0.0096	0.0124
NEZ Dump Seep 12	31/05/17	0.26	0.635	0.635	<0.0050	0.0032	0.0062	0.016
NEZ Dump Seep 13	31/05/17	0.24	0.779	0.779	<0.0050	0.0017	0.0035	0.0051
NEZ Dump Seep 14	31/05/17	0.057	0.352	0.352	<0.0010	<0.0010	0.0025	0.077
NEZ Dump Seep 2	31/05/17	0.5	2.18	2.18	<0.010	0.0028	0.0045	0.0073
NEZ Dump Seep 3	31/05/17	<0.40	2.06	2.06	<0.020	0.0106	0.012	0.0138
NEZ Dump Seep 4	31/05/17	0.28	1.1	1.1	<0.010	0.0165	0.0178	0.0206
NEZ Dump Seep 7	31/05/17	0.176	0.445	0.445	<0.0010	0.0048	0.0057	0.011
NEZ Dump Seep 9	31/05/17	<0.20	1.27	1.27	<0.010	0.0039	0.0067	0.0074

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Sulphate (mg/L)	Total Nitrogen (mg/L)	Dissolved Organic Carbon (mg/L)	Aluminum (Al)-Total (mg/L)	Antimony (Sb)-Total (mg/L)	Arsenic (As)-Total (mg/L)	Barium (Ba)-Total (mg/L)
NEZ Seep 1	06/04/17	835	2.58	2.56	5.72	0.00055	0.00051	0.0346
NEZ Seep 1	16/05/17	1070	2.77	3.28	1.87	0.00044	0.00026	0.0405
NEZ Seep 1	31/05/17	1040	2.72	3.14	1.18	0.00037	<0.00020	0.0383
NEZ Seep 1	20/06/17	1060	2.86	2.93	1.23	0.0004	0.00024	0.0373
NEZ Dump Seep 10	31/05/17	614	0.792	5.79	0.0353	0.00016	0.00043	0.0283
NEZ Dump Seep 11	31/05/17	598	0.544	5.57	0.0071	0.00014	0.00047	0.0256
NEZ Dump Seep 12	31/05/17	598	0.758	3.24	0.468	0.00024	0.00087	0.0261
NEZ Dump Seep 13	31/05/17	560	0.832	3.27	0.0077	0.00017	0.00017	0.0125
NEZ Dump Seep 14	31/05/17	162	0.809	4.13	0.022	<0.00010	0.00016	0.0108
NEZ Dump Seep 2	31/05/17	1120	2.11	3.43	0.243	0.00028	0.00026	0.0386
NEZ Dump Seep 3	31/05/17	1370	2.01	4.86	0.0067	<0.00020	0.00021	0.0597
NEZ Dump Seep 4	31/05/17	1140	1.12	5.25	0.0466	<0.00020	0.00028	0.0408
NEZ Dump Seep 7	31/05/17	140	0.492	2.11	0.0603	0.00011	0.00046	0.0194
NEZ Dump Seep 9	31/05/17	843	1.29	5	0.0175	0.00013	0.00025	0.027

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Beryllium (Be)-Total (mg/L)	Bismuth (Bi)-Total (mg/L)	Boron (B)-Total (mg/L)	Cadmium (Cd)-Total (mg/L)	Calcium (Ca)-Total (mg/L)	Chromium (Cr)-Total (mg/L)
NEZ Seep 1	06/04/17	0.00059	<0.000050	0.064	<0.00060	251	<0.00050
NEZ Seep 1	16/05/17	0.00029	<0.00010	0.079	0.000499	334	<0.00050
NEZ Seep 1	31/05/17	<0.00020	<0.00010	0.072	0.000412	305	<0.00050
NEZ Seep 1	20/06/17	0.00018	<0.000050	0.074	<0.00043	319	<0.00050
NEZ Dump Seep 10	31/05/17	<0.00010	<0.000050	0.058	<0.000025	234	<0.00050
NEZ Dump Seep 11	31/05/17	<0.00010	<0.000050	0.045	<0.000040	248	<0.00050
NEZ Dump Seep 12	31/05/17	<0.00010	<0.000050	0.048	6.66E-05	206	0.00059
NEZ Dump Seep 13	31/05/17	<0.00010	<0.000050	0.038	1.75E-05	228	<0.00050
NEZ Dump Seep 14	31/05/17	<0.00010	<0.000050	0.014	4.39E-05	64.4	<0.00050
NEZ Dump Seep 2	31/05/17	<0.00020	<0.00010	0.079	0.000174	334	<0.00050
NEZ Dump Seep 3	31/05/17	<0.00020	<0.00010	0.082	0.000044	370	<0.00050
NEZ Dump Seep 4	31/05/17	<0.00020	<0.00010	0.07	0.000036	337	<0.00050
NEZ Dump Seep 7	31/05/17	<0.00010	<0.000050	0.042	1.18E-05	81.7	<0.00050
NEZ Dump Seep 9	31/05/17	<0.00010	<0.000050	0.054	<0.00015	267	<0.00050

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Cobalt (Co)-Total (mg/L)	Copper (Cu)-Total (mg/L)	Iron (Fe)-Total (mg/L)	Lead (Pb)-Total (mg/L)	Lithium (Li)-Total (mg/L)	Magnesium (Mg)-Total (mg/L)
NEZ Seep 1	06/04/17	0.0122	2.7	0.089	<0.000050	0.006	52
NEZ Seep 1	16/05/17	0.00611	0.909	<0.030	<0.00010	0.0063	63.9
NEZ Seep 1	31/05/17	0.00523	0.713	<0.030	<0.00010	0.0045	58.5
NEZ Seep 1	20/06/17	0.0048	0.7	0.033	<0.000050	0.0043	61.3
NEZ Dump Seep 10	31/05/17	0.00011	0.00633	0.039	<0.000050	0.0021	44.6
NEZ Dump Seep 11	31/05/17	<0.00010	0.0068	<0.030	<0.000050	0.0017	44.6
NEZ Dump Seep 12	31/05/17	0.00033	0.00894	0.443	0.000167	0.0032	39.8
NEZ Dump Seep 13	31/05/17	<0.00010	0.00232	0.033	<0.000050	0.0025	37.5
NEZ Dump Seep 14	31/05/17	0.00045	0.00826	0.045	<0.000050	<0.0010	11.7
NEZ Dump Seep 2	31/05/17	0.00082	0.168	<0.030	<0.00010	0.0052	65.8
NEZ Dump Seep 3	31/05/17	<0.00020	0.0041	<0.030	<0.00010	<0.0020	85.8
NEZ Dump Seep 4	31/05/17	<0.00020	0.0188	<0.030	<0.00010	0.0032	69.8
NEZ Dump Seep 7	31/05/17	<0.00010	0.0067	0.053	<0.000050	0.0019	11
NEZ Dump Seep 9	31/05/17	0.00014	0.0308	<0.030	<0.000050	0.002	52.6

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Manganese (Mn)-Total (mg/L)	Molybdenum (Mo)-Total (mg/L)	Nickel (Ni)-Total (mg/L)	Potassium (K)-Total (mg/L)	Selenium (Se)-Total (mg/L)	Silicon (Si)-Total (mg/L)
NEZ Seep 1	06/04/17	0.864	0.185	0.0107	2.15	0.138	6.14
NEZ Seep 1	16/05/17	0.599	0.244	0.0077	2.39	0.195	5.7
NEZ Seep 1	31/05/17	0.499	0.237	0.0067	2.32	0.192	5.35
NEZ Seep 1	20/06/17	0.484	0.231	0.0059	2.32	0.191	5.45
NEZ Dump Seep 10	31/05/17	0.0214	0.0524	<0.00050	2	0.0148	5.68
NEZ Dump Seep 11	31/05/17	0.015	0.0628	<0.00050	1.9	0.00543	5.87
NEZ Dump Seep 12	31/05/17	0.0435	0.133	0.00058	1.36	0.012	6.21
NEZ Dump Seep 13	31/05/17	0.107	0.0891	<0.00050	1.29	0.0105	5.74
NEZ Dump Seep 14	31/05/17	0.0623	0.0142	<0.00050	0.763	0.0173	4.92
NEZ Dump Seep 2	31/05/17	0.142	0.256	0.0023	2.38	0.113	4.7
NEZ Dump Seep 3	31/05/17	0.00026	0.0774	<0.0010	3.56	0.0226	5.53
NEZ Dump Seep 4	31/05/17	0.00385	0.151	<0.0010	2.58	0.0324	4.69
NEZ Dump Seep 7	31/05/17	0.00345	0.0271	<0.00050	0.597	0.00686	6.97
NEZ Dump Seep 9	31/05/17	0.0416	0.134	0.00097	2.31	0.0629	4.78

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Silver (Ag)-Total (mg/L)	Sodium (Na)-Total (mg/L)	Strontium (Sr)-Total (mg/L)	Thallium (Tl)-Total (mg/L)	Tin (Sn)-Total (mg/L)	Titanium (Ti)-Total (mg/L)
NEZ Seep 1	06/04/17	<0.000010	17.6	2.95	<0.000010	<0.00010	<0.010
NEZ Seep 1	16/05/17	<0.000020	21.5	3.38	<0.000020	<0.00020	<0.010
NEZ Seep 1	31/05/17	<0.000020	21	3.2	<0.000020	<0.00020	<0.010
NEZ Seep 1	20/06/17	<0.000010	20.9	3.38	<0.000010	<0.00010	<0.010
NEZ Dump Seep 10	31/05/17	<0.000010	13.4	2.84	<0.000010	<0.00010	<0.010
NEZ Dump Seep 11	31/05/17	<0.000010	12.6	2.4	<0.000010	<0.00010	<0.010
NEZ Dump Seep 12	31/05/17	<0.000010	12.4	2.24	<0.000010	<0.00010	0.018
NEZ Dump Seep 13	31/05/17	<0.000010	12.2	2.21	<0.000010	<0.00010	<0.010
NEZ Dump Seep 14	31/05/17	<0.000010	4.7	0.278	<0.000010	<0.00010	<0.010
NEZ Dump Seep 2	31/05/17	<0.000020	23.7	5.49	<0.000020	<0.00020	<0.010
NEZ Dump Seep 3	31/05/17	<0.000020	25.9	5.86	<0.000020	<0.00020	<0.010
NEZ Dump Seep 4	31/05/17	<0.000020	22.8	6.17	<0.000020	<0.00020	<0.010
NEZ Dump Seep 7	31/05/17	<0.000010	4.97	0.66	<0.000010	<0.00010	<0.010
NEZ Dump Seep 9	31/05/17	<0.000010	16.3	3.03	<0.000010	<0.00010	<0.010

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Uranium (U)-Total (mg/L)	Vanadium (V)-Total (mg/L)	Zinc (Zn)-Total (mg/L)	Aluminum (Al)-Dissolved (mg/L)	Antimony (Sb)-Dissolved (mg/L)	Arsenic (As)-Dissolved (mg/L)
NEZ Seep 1	06/04/17	0.00122	0.00054	0.0913	0.0406	0.00042	0.00011
NEZ Seep 1	16/05/17	0.00113	<0.0010	0.0541	0.0495	0.00036	<0.00020
NEZ Seep 1	31/05/17	0.00105	<0.0010	0.0445	0.0299	0.00038	<0.00020
NEZ Seep 1	20/06/17	0.00111	<0.00050	0.0404	0.0582	0.00038	<0.00020
NEZ Dump Seep 10	31/05/17	0.00189	0.0005	<0.0030	0.0032	0.00014	0.00037
NEZ Dump Seep 11	31/05/17	0.00237	<0.00050	<0.0030	<0.0030	0.00012	0.00047
NEZ Dump Seep 12	31/05/17	0.004	0.0018	<0.0030	<0.0030	0.00026	0.00071
NEZ Dump Seep 13	31/05/17	0.00299	<0.00050	<0.0030	<0.0030	0.00018	0.00016
NEZ Dump Seep 14	31/05/17	0.000121	<0.00050	0.0034	0.0052	<0.00010	0.00014
NEZ Dump Seep 2	31/05/17	0.00162	<0.0010	0.0161	0.0209	0.00032	0.00023
NEZ Dump Seep 3	31/05/17	0.000336	<0.0010	<0.0060	0.0057	<0.00020	<0.00020
NEZ Dump Seep 4	31/05/17	0.00132	<0.0010	<0.0060	0.0085	<0.00020	0.00029
NEZ Dump Seep 7	31/05/17	0.000465	0.00129	<0.0030	0.0032	0.00011	0.00052
NEZ Dump Seep 9	31/05/17	0.000942	<0.00050	0.0097	0.0081	0.00012	0.00023

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Barium (Ba)-Dissolved (mg/L)	Beryllium (Be)-Dissolved (mg/L)	Bismuth (Bi)-Dissolved (mg/L)	Boron (B)-Dissolved (mg/L)	Cadmium (Cd)-Dissolved (mg/L)	Calcium (Ca)-Dissolved (mg/L)
NEZ Seep 1	06/04/17	0.0359	<0.00010	<0.000050	0.065	<0.00070	264
NEZ Seep 1	16/05/17	0.0389	<0.00020	<0.00010	0.064	0.000594	325
NEZ Seep 1	31/05/17	0.0401	<0.00020	<0.00010	0.064	<0.00050	320
NEZ Seep 1	20/06/17	0.0394	<0.00020	<0.00010	0.073	0.000431	310
NEZ Dump Seep 10	31/05/17	0.0261	<0.00010	<0.000050	0.053	1.23E-05	203
NEZ Dump Seep 11	31/05/17	0.0283	<0.00010	<0.000050	0.039	<0.000025	258
NEZ Dump Seep 12	31/05/17	0.0243	<0.00010	<0.000050	0.042	<0.000065	222
NEZ Dump Seep 13	31/05/17	0.0141	<0.00010	<0.000050	0.033	<0.00036	246
NEZ Dump Seep 14	31/05/17	0.0119	<0.00010	<0.000050	0.013	0.000038	70.6
NEZ Dump Seep 2	31/05/17	0.0388	<0.00020	<0.00010	0.069	<0.00024	346
NEZ Dump Seep 3	31/05/17	0.064	<0.00020	<0.00010	0.075	<0.000070	401
NEZ Dump Seep 4	31/05/17	0.0475	<0.00020	<0.00010	0.065	<0.000090	362
NEZ Dump Seep 7	31/05/17	0.0215	<0.00010	<0.000050	0.038	<0.000020	87.7
NEZ Dump Seep 9	31/05/17	0.0273	<0.00010	<0.000050	0.048	<0.00015	273

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Chromium (Cr)-Dissolved (mg/L)	Cobalt (Co)-Dissolved (mg/L)	Copper (Cu)-Dissolved (mg/L)	Iron (Fe)-Dissolved (mg/L)	Lead (Pb)-Dissolved (mg/L)	Lithium (Li)-Dissolved (mg/L)
NEZ Seep 1	06/04/17	<0.00050	0.0122	0.699	<0.030	<0.000050	0.0073
NEZ Seep 1	16/05/17	<0.00050	0.00621	0.324	<0.030	<0.00010	0.0051
NEZ Seep 1	31/05/17	<0.00050	0.00509	0.343	<0.030	<0.00010	0.0041
NEZ Seep 1	20/06/17	<0.00050	0.00489	0.28	<0.030	<0.00010	0.0045
NEZ Dump Seep 10	31/05/17	<0.00050	<0.00010	0.00483	<0.030	<0.000050	0.0021
NEZ Dump Seep 11	31/05/17	<0.00050	<0.00010	0.00627	<0.030	<0.000050	0.0017
NEZ Dump Seep 12	31/05/17	<0.00050	<0.00010	0.00277	<0.030	<0.000050	0.0023
NEZ Dump Seep 13	31/05/17	<0.00050	<0.00010	0.00211	0.038	<0.000050	0.0018
NEZ Dump Seep 14	31/05/17	<0.00050	<0.00010	0.00656	0.118	<0.000050	<0.0010
NEZ Dump Seep 2	31/05/17	<0.00050	0.00089	0.103	<0.030	<0.00010	0.0048
NEZ Dump Seep 3	31/05/17	<0.00050	<0.00020	0.00515	<0.030	0.00016	<0.0020
NEZ Dump Seep 4	31/05/17	<0.00050	<0.00020	0.0145	<0.030	<0.00010	0.0025
NEZ Dump Seep 7	31/05/17	<0.00050	<0.00010	0.0041	<0.030	<0.000050	0.0014
NEZ Dump Seep 9	31/05/17	<0.00050	0.00012	0.0255	<0.030	<0.000050	0.0021

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Magnesium (Mg)-Dissolved (mg/L)	Manganese (Mn)-Dissolved (mg/L)	Molybdenum (Mo)-Dissolved (mg/L)	Nickel (Ni)-Dissolved (mg/L)	Potassium (K)-Dissolved (mg/L)	Selenium (Se)-Dissolved (mg/L)
NEZ Seep 1	06/04/17	55	0.879	0.169	0.0113	2.36	0.134
NEZ Seep 1	16/05/17	64.8	0.612	0.239	0.0079	2.37	0.204
NEZ Seep 1	31/05/17	55.8	0.49	0.23	0.0063	2.24	0.184
NEZ Seep 1	20/06/17	58.3	0.477	0.232	0.0063	2.25	0.204
NEZ Dump Seep 10	31/05/17	42.2	0.00027	0.0458	<0.00050	1.88	0.0158
NEZ Dump Seep 11	31/05/17	43.3	0.0108	0.0597	<0.00050	2.01	0.0056
NEZ Dump Seep 12	31/05/17	39.6	0.00704	0.131	<0.00050	1.31	0.0117
NEZ Dump Seep 13	31/05/17	36.1	0.11	0.0823	<0.00050	1.35	0.00968
NEZ Dump Seep 14	31/05/17	11.5	0.00382	0.0132	<0.00050	0.848	0.017
NEZ Dump Seep 2	31/05/17	62.6	0.14	0.253	0.0022	2.27	0.107
NEZ Dump Seep 3	31/05/17	83.2	<0.00020	0.0805	<0.0010	3.53	0.0214
NEZ Dump Seep 4	31/05/17	69.5	<0.00020	0.154	<0.0010	2.67	0.0315
NEZ Dump Seep 7	31/05/17	10.7	0.00107	0.0261	<0.00050	0.595	0.00675
NEZ Dump Seep 9	31/05/17	48.3	0.0394	0.123	0.0009	2.25	0.0616

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Silicon (Si)-Dissolved (mg/L)	Silver (Ag)-Dissolved (mg/L)	Sodium (Na)-Dissolved (mg/L)	Strontium (Sr)-Dissolved (mg/L)	Thallium (Tl)-Dissolved (mg/L)	Tin (Sn)-Dissolved (mg/L)
NEZ Seep 1	06/04/17	5.25	<0.000010	19.4	3.01	<0.000010	<0.00010
NEZ Seep 1	16/05/17	5.12	<0.000020	20.9	3.13	<0.000020	<0.00020
NEZ Seep 1	31/05/17	4.84	<0.000020	19.6	3.27	<0.000020	<0.00020
NEZ Seep 1	20/06/17	5.21	<0.000020	20.7	3.29	<0.000020	<0.00020
NEZ Dump Seep 10	31/05/17	5.6	<0.000010	12.3	2.61	<0.000010	<0.00010
NEZ Dump Seep 11	31/05/17	5.63	<0.000010	12.6	2.45	<0.000010	<0.00010
NEZ Dump Seep 12	31/05/17	4.98	<0.000010	12.3	2.32	<0.000010	<0.00010
NEZ Dump Seep 13	31/05/17	5.38	<0.000010	11.6	2.3	<0.000010	<0.00010
NEZ Dump Seep 14	31/05/17	4.68	<0.000010	4.49	0.293	<0.000010	<0.00010
NEZ Dump Seep 2	31/05/17	4.35	<0.000020	22.6	5.51	<0.000020	<0.00020
NEZ Dump Seep 3	31/05/17	5.25	<0.000020	24.6	6.24	<0.000020	<0.00020
NEZ Dump Seep 4	31/05/17	4.52	<0.000020	22.5	6.43	<0.000020	<0.00020
NEZ Dump Seep 7	31/05/17	6.41	<0.000010	4.72	0.677	<0.000010	<0.00010
NEZ Dump Seep 9	31/05/17	4.6	<0.000010	15	2.99	<0.000010	<0.00010

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Titanium (Ti)-Dissolved (mg/L)	Uranium (U)-Dissolved (mg/L)	Vanadium (V)-Dissolved (mg/L)	Zinc (Zn)-Dissolved (mg/L)
NEZ Seep 1	06/04/17	<0.010	0.000473	<0.00050	0.0717
NEZ Seep 1	16/05/17	<0.010	0.00078	<0.0010	0.0441
NEZ Seep 1	31/05/17	<0.010	0.000915	<0.0010	0.041
NEZ Seep 1	20/06/17	<0.010	0.000965	<0.0010	0.0335
NEZ Dump Seep 10	31/05/17	<0.010	0.00185	<0.00050	<0.0030
NEZ Dump Seep 11	31/05/17	<0.010	0.00248	<0.00050	<0.0030
NEZ Dump Seep 12	31/05/17	<0.010	0.00412	0.00056	<0.0030
NEZ Dump Seep 13	31/05/17	<0.010	0.00301	<0.00050	<0.0030
NEZ Dump Seep 14	31/05/17	<0.010	0.000128	<0.00050	0.0031
NEZ Dump Seep 2	31/05/17	<0.010	0.0016	<0.0010	0.0152
NEZ Dump Seep 3	31/05/17	<0.010	0.000363	<0.0010	0.0037
NEZ Dump Seep 4	31/05/17	<0.010	0.00134	<0.0010	<0.0030
NEZ Dump Seep 7	31/05/17	<0.010	0.00045	0.00116	<0.0030
NEZ Dump Seep 9	31/05/17	<0.010	0.000911	<0.00050	0.0099

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Conductivity ($\mu\text{s/cm}$)	Hardness (as CaCO_3) (mg/L)	pH (pH)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (ntu)	Alkalinity (CaCO_3) (mg/L)	Ammonia (as N) (mg/L)	Chloride (Cl) (mg/L)
PAG Dump Seep 10	29/06/17	1410	804	7.93	1160	1.8	0.29	142	<0.0050	2.7
PAG Dump Seep 15	20/04/17	1780	1070	8.04	1650	2.1	0.72	126	0.0169	<5.0
PAG Dump Seep 15	30/05/17	1800	1070	8.09	1580	<1.0	0.89	148	0.0096	<5.0
PAG Dump Seep 15	20/06/17	1730	1030	8.11	1650	1.2	0.73	161	0.0301	<5.0
PAG Dump Seep 5	29/06/17	2380	1460	8.01	2210	13.6	7.12	146	0.0223	<10
PAG Dump Seep 7	29/06/17	1380	823	8.02	1190	11.6	14.3	211	0.422	<2.5
PAG Dump Seep 8	29/06/17	1410	780	7.84	1150	8	0.8	112	0.0268	<2.5
PAG Dump Seep 9	29/06/17	938	516	8.01	748	<1.0	0.22	89.2	0.0056	<2.5

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Fluoride (F) (mg/L)	Nitrate (as N) (mg/L)	Nitrate and Nitrite (as N) (mg/L)	Nitrite (as N) (mg/L)	Orthophosphate-Dissolved (as P) (mg/L)	Phosphorus (P) Total Dissolved (mg/L)	Phosphorus (P) Total (mg/L)
PAG Dump Seep 10	29/06/17	<0.10	12	12	<0.0050	0.0193	0.0256	0.0246
PAG Dump Seep 15	20/04/17	0.2	15.6	15.7	0.023	0.0116	0.0163	0.0195
PAG Dump Seep 15	30/05/17	<0.20	15.1	15.1	0.022	0.0042	0.0072	0.029
PAG Dump Seep 15	20/06/17	<0.20	15.7	15.7	0.027	0.0101	0.0121	0.0179
PAG Dump Seep 5	29/06/17	<0.40	31.9	31.9	<0.020	<0.0010	0.0027	0.0117
PAG Dump Seep 7	29/06/17	<0.10	0.783	0.82	0.0366	0.004	0.0096	0.0766
PAG Dump Seep 8	29/06/17	0.17	7.62	7.63	0.0098	0.0053	0.0093	0.0662
PAG Dump Seep 9	29/06/17	<0.10	13.4	13.4	<0.0050	0.0142	0.0185	0.0175

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Sulphate (mg/L)	Total Nitrogen (mg/L)	Dissolved Organic Carbon (mg/L)	Aluminum (Al)-Total (mg/L)	Antimony (Sb)-Total (mg/L)	Arsenic (As)-Total (mg/L)	Barium (Ba)-Total (mg/L)
PAG Dump Seep 10	29/06/17	649	11.9	4.61	0.0438	0.00025	0.00044	0.0712
PAG Dump Seep 15	20/04/17	962	15.1	6.2	0.0276	0.00036	0.00048	0.06
PAG Dump Seep 15	30/05/17	944	14.8	5.77	0.0147	0.00037	0.00043	0.055
PAG Dump Seep 15	20/06/17	944	16.4	6.44	0.0329	0.00037	0.00044	0.0569
PAG Dump Seep 5	29/06/17	1360	31.4	6.88	0.473	0.00031	0.00064	0.0479
PAG Dump Seep 7	29/06/17	654	1.88	15.8	0.0375	<0.00010	0.00106	0.0486
PAG Dump Seep 8	29/06/17	698	7.75	4.51	0.147	0.00018	0.00096	0.0656
PAG Dump Seep 9	29/06/17	379	13.4	4.51	0.0108	0.00018	0.00054	0.0503

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Beryllium (Be)-Total (mg/L)	Bismuth (Bi)-Total (mg/L)	Boron (B)-Total (mg/L)	Cadmium (Cd)-Total (mg/L)	Calcium (Ca)-Total (mg/L)	Chromium (Cr)-Total (mg/L)
PAG Dump Seep 10	29/06/17	<0.00010	<0.000050	0.038	<0.000035	223	<0.00050
PAG Dump Seep 15	20/04/17	<0.00020	<0.00010	0.057	<0.000060	332	<0.00050
PAG Dump Seep 15	30/05/17	<0.00020	<0.00010	0.065	<0.000060	326	<0.00050
PAG Dump Seep 15	20/06/17	<0.00010	<0.000050	0.068	<0.000060	328	<0.00050
PAG Dump Seep 5	29/06/17	<0.00020	<0.00010	0.11	<0.00030	456	<0.00050
PAG Dump Seep 7	29/06/17	<0.00010	<0.000050	0.012	6.4E-06	214	<0.00050
PAG Dump Seep 8	29/06/17	<0.00010	<0.000050	0.276	<0.00015	211	<0.00050
PAG Dump Seep 9	29/06/17	<0.00010	<0.000050	0.091	2.78E-05	132	<0.00050

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Cobalt (Co)-Total (mg/L)	Copper (Cu)-Total (mg/L)	Iron (Fe)-Total (mg/L)	Lead (Pb)-Total (mg/L)	Lithium (Li)-Total (mg/L)	Magnesium (Mg)-Total (mg/L)
PAG Dump Seep 10	29/06/17	<0.00010	0.00736	0.052	<0.000050	0.0013	37.5
PAG Dump Seep 15	20/04/17	0.00057	0.0117	0.088	<0.00010	0.0058	58.9
PAG Dump Seep 15	30/05/17	0.00045	0.0113	0.119	<0.00010	0.0053	58.2
PAG Dump Seep 15	20/06/17	0.00055	0.0131	0.143	<0.000050	0.0043	54.5
PAG Dump Seep 5	29/06/17	0.00102	0.0303	0.722	0.00016	0.0045	76.8
PAG Dump Seep 7	29/06/17	0.00157	0.00473	2.83	<0.000050	<0.0010	51.2
PAG Dump Seep 8	29/06/17	0.0013	0.0108	2.09	0.000091	0.0014	39
PAG Dump Seep 9	29/06/17	<0.00010	0.00528	<0.030	<0.000050	0.0018	25.7

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Manganese (Mn)-Total (mg/L)	Molybdenum (Mo)-Total (mg/L)	Nickel (Ni)-Total (mg/L)	Potassium (K)-Total (mg/L)	Selenium (Se)-Total (mg/L)	Silicon (Si)-Total (mg/L)
PAG Dump Seep 10	29/06/17	0.0147	0.0907	<0.00050	2.23	0.0423	7.44
PAG Dump Seep 15	20/04/17	0.449	0.188	<0.0010	3.36	0.0865	7.35
PAG Dump Seep 15	30/05/17	0.399	0.193	<0.0010	3.17	0.0767	7.69
PAG Dump Seep 15	20/06/17	0.606	0.19	<0.00050	3.42	0.0808	7.83
PAG Dump Seep 5	29/06/17	0.786	0.617	<0.0010	4.95	0.129	7.43
PAG Dump Seep 7	29/06/17	4.07	0.002	<0.00050	4.97	0.0015	6.37
PAG Dump Seep 8	29/06/17	1.12	0.424	0.00051	2.37	0.0511	6.09
PAG Dump Seep 9	29/06/17	0.0614	0.0242	<0.00050	1.71	0.0317	8.21

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Silver (Ag)-Total (mg/L)	Sodium (Na)-Total (mg/L)	Strontium (Sr)-Total (mg/L)	Thallium (Tl)-Total (mg/L)	Tin (Sn)-Total (mg/L)	Titanium (Ti)-Total (mg/L)
PAG Dump Seep 10	29/06/17	<0.000010	16.7	0.952	<0.000010	<0.00010	<0.010
PAG Dump Seep 15	20/04/17	<0.000020	30.6	1.27	<0.000020	<0.00020	<0.010
PAG Dump Seep 15	30/05/17	<0.000020	28	1.32	<0.000020	<0.00020	<0.010
PAG Dump Seep 15	20/06/17	<0.000010	26.5	1.33	<0.000010	<0.00010	<0.010
PAG Dump Seep 5	29/06/17	<0.000020	55.1	1.44	<0.000020	<0.00020	0.034
PAG Dump Seep 7	29/06/17	<0.000010	13.4	1.06	<0.000010	<0.00010	<0.010
PAG Dump Seep 8	29/06/17	<0.000010	28.7	1.6	<0.000010	<0.00010	<0.010
PAG Dump Seep 9	29/06/17	<0.000010	7.96	0.589	<0.000010	<0.00010	<0.010

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Uranium (U)-Total (mg/L)	Vanadium (V)-Total (mg/L)	Zinc (Zn)-Total (mg/L)	Aluminum (Al)-Dissolved (mg/L)	Antimony (Sb)-Dissolved (mg/L)	Arsenic (As)-Dissolved (mg/L)
PAG Dump Seep 10	29/06/17	0.00104	0.0008	<0.0030	0.0045	0.00022	0.00037
PAG Dump Seep 15	20/04/17	0.00105	<0.0010	<0.0060	0.0227	0.00035	0.00043
PAG Dump Seep 15	30/05/17	0.00142	<0.0010	<0.0060	0.0033	0.00038	0.00044
PAG Dump Seep 15	20/06/17	0.00153	0.00054	<0.0030	0.0043	0.00033	0.00037
PAG Dump Seep 5	29/06/17	0.00198	0.0019	<0.0060	0.0103	0.00024	0.0003
PAG Dump Seep 7	29/06/17	0.000159	0.00137	<0.0030	0.0033	<0.00010	0.00071
PAG Dump Seep 8	29/06/17	0.000894	0.00226	<0.0030	0.0041	0.00014	0.00023
PAG Dump Seep 9	29/06/17	0.000295	0.0008	<0.0030	0.0042	0.00017	0.00053

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Barium (Ba)-Dissolved (mg/L)	Beryllium (Be)-Dissolved (mg/L)	Bismuth (Bi)-Dissolved (mg/L)	Boron (B)-Dissolved (mg/L)	Cadmium (Cd)-Dissolved (mg/L)	Calcium (Ca)-Dissolved (mg/L)
PAG Dump Seep 10	29/06/17	0.0752	<0.00010	<0.000050	0.041	<0.000040	252
PAG Dump Seep 15	20/04/17	0.0589	<0.00020	<0.00010	0.062	<0.000060	335
PAG Dump Seep 15	30/05/17	0.0574	<0.00020	<0.00010	0.06	<0.00010	334
PAG Dump Seep 15	20/06/17	0.0561	<0.00020	<0.00010	0.067	<0.000070	325
PAG Dump Seep 5	29/06/17	0.035	<0.00010	<0.000050	0.102	<0.00016	468
PAG Dump Seep 7	29/06/17	0.0248	<0.00010	<0.000050	0.015	<0.000005	237
PAG Dump Seep 8	29/06/17	0.0514	<0.00010	<0.000050	0.293	<0.00015	237
PAG Dump Seep 9	29/06/17	0.0544	<0.00010	<0.000050	0.098	<0.000030	157

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Chromium (Cr)-Dissolved (mg/L)	Cobalt (Co)-Dissolved (mg/L)	Copper (Cu)-Dissolved (mg/L)	Iron (Fe)-Dissolved (mg/L)	Lead (Pb)-Dissolved (mg/L)	Lithium (Li)-Dissolved (mg/L)
PAG Dump Seep 10	29/06/17	<0.00050	<0.00010	0.00455	<0.030	<0.000050	0.0011
PAG Dump Seep 15	20/04/17	<0.00050	0.00053	0.0108	0.081	<0.00010	0.0051
PAG Dump Seep 15	30/05/17	<0.00050	0.00044	0.00944	<0.030	<0.00010	0.0046
PAG Dump Seep 15	20/06/17	<0.00050	0.00051	0.0105	<0.030	<0.00010	0.0042
PAG Dump Seep 5	29/06/17	<0.00050	0.00058	0.00718	0.044	<0.000050	0.0058
PAG Dump Seep 7	29/06/17	<0.00050	0.00034	0.00304	0.255	<0.000050	<0.0010
PAG Dump Seep 8	29/06/17	<0.00050	0.00035	0.00411	<0.030	<0.000050	0.0012
PAG Dump Seep 9	29/06/17	<0.00050	<0.00010	0.00395	<0.030	<0.000050	0.0018

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Magnesium (Mg)-Dissolved (mg/L)	Manganese (Mn)-Dissolved (mg/L)	Molybdenum (Mo)-Dissolved (mg/L)	Nickel (Ni)-Dissolved (mg/L)	Potassium (K)-Dissolved (mg/L)	Selenium (Se)-Dissolved (mg/L)
PAG Dump Seep 10	29/06/17	42.5	0.00478	0.0966	<0.00050	2.4	0.0451
PAG Dump Seep 15	20/04/17	55.6	0.432	0.19	<0.0010	3.14	0.0889
PAG Dump Seep 15	30/05/17	57.3	0.401	0.188	<0.0010	3.59	0.0877
PAG Dump Seep 15	20/06/17	53.3	0.58	0.189	<0.0010	3.33	0.0826
PAG Dump Seep 5	29/06/17	70.8	0.662	0.646	<0.00050	4.71	0.131
PAG Dump Seep 7	29/06/17	56.5	1.67	0.00142	<0.00050	5.22	0.00145
PAG Dump Seep 8	29/06/17	45.5	0.672	0.449	<0.00050	2.66	0.052
PAG Dump Seep 9	29/06/17	30.4	0.0259	0.0254	<0.00050	1.9	0.0352

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Silicon (Si)-Dissolved (mg/L)	Silver (Ag)-Dissolved (mg/L)	Sodium (Na)-Dissolved (mg/L)	Strontium (Sr)-Dissolved (mg/L)	Thallium (Tl)-Dissolved (mg/L)	Tin (Sn)-Dissolved (mg/L)
PAG Dump Seep 10	29/06/17	7.68	<0.000010	17.5	1	<0.000010	<0.00010
PAG Dump Seep 15	20/04/17	7.38	<0.000020	28.9	1.25	<0.000020	<0.00020
PAG Dump Seep 15	30/05/17	7.97	<0.000020	28.6	1.28	<0.000020	<0.00020
PAG Dump Seep 15	20/06/17	7.72	<0.000020	26.6	1.29	<0.000020	<0.00020
PAG Dump Seep 5	29/06/17	5.97	<0.000010	52.5	1.53	<0.000010	<0.00010
PAG Dump Seep 7	29/06/17	5.73	<0.000010	13.8	1.09	<0.000010	<0.00010
PAG Dump Seep 8	29/06/17	5.88	<0.000010	31.6	1.68	<0.000010	<0.00010
PAG Dump Seep 9	29/06/17	9.02	<0.000010	8.86	0.637	<0.000010	<0.00010

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Titanium (Ti)-Dissolved (mg/L)	Uranium (U)-Dissolved (mg/L)	Vanadium (V)-Dissolved (mg/L)	Zinc (Zn)-Dissolved (mg/L)
PAG Dump Seep 10	29/06/17	<0.010	0.000946	0.0006	<0.0030
PAG Dump Seep 15	20/04/17	<0.010	0.00108	<0.0010	<0.0030
PAG Dump Seep 15	30/05/17	<0.010	0.00147	<0.0010	<0.0030
PAG Dump Seep 15	20/06/17	<0.010	0.00145	<0.0010	<0.0030
PAG Dump Seep 5	29/06/17	<0.010	0.00155	<0.00050	<0.0030
PAG Dump Seep 7	29/06/17	<0.010	0.000145	<0.00050	<0.0030
PAG Dump Seep 8	29/06/17	<0.010	0.000766	<0.00050	<0.0030
PAG Dump Seep 9	29/06/17	<0.010	0.000244	0.00079	<0.0030

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Conductivity ($\mu\text{s}/\text{cm}$)	Hardness (as CaCO_3) (mg/L)	pH (pH)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (ntu)	Alkalinity (CaCO_3) (mg/L)	Ammonia (as N) (mg/L)	Chloride (Cl) (mg/L)
SERDS Seep 13	06/04/17	1670	1070	8.05	1540	4.8	0.28	142	<0.0050	<5.0
SERDS Seep 13	30/05/17	1750	1060	8.13	1500	<1.0	0.27	136	<0.0050	<5.0
SERDS Seep 13	20/06/17	1650	1010	8.12	1470	8.4	2.17	139	<0.0050	<5.0

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Fluoride (F) (mg/L)	Nitrate (as N) (mg/L)	Nitrate and Nitrite (as N) (mg/L)	Nitrite (as N) (mg/L)	Orthophosphate-Dissolved (as P) (mg/L)	Phosphorus (P) Total Dissolved (mg/L)	Phosphorus (P) Total (mg/L)
SERDS Seep 13	06/04/17	0.42	17.8	17.8	<0.010	0.0127	0.0147	0.0173
SERDS Seep 13	30/05/17	0.49	17.1	17.1	<0.010	0.0105	0.0118	0.018
SERDS Seep 13	20/06/17	0.46	16.5	16.5	<0.010	0.0115	0.0115	0.0133

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Sulphate (mg/L)	Total Nitrogen (mg/L)	Dissolved Organic Carbon (mg/L)	Aluminum (Al)-Total (mg/L)	Antimony (Sb)-Total (mg/L)	Arsenic (As)-Total (mg/L)	Barium (Ba)-Total (mg/L)
SERDS Seep 13	06/04/17	876	17.9	4.66	0.136	0.00065	0.00097	0.0452
SERDS Seep 13	30/05/17	885	16.7	3.58	0.0114	0.00054	0.0006	0.0424
SERDS Seep 13	20/06/17	908	16	3.63	0.164	0.00064	0.0008	0.043

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Beryllium (Be)-Total (mg/L)	Bismuth (Bi)-Total (mg/L)	Boron (B)-Total (mg/L)	Cadmium (Cd)-Total (mg/L)	Calcium (Ca)-Total (mg/L)	Chromium (Cr)-Total (mg/L)
SERDS Seep 13	06/04/17	<0.00020	<0.00010	0.062	<0.000075	321	<0.00050
SERDS Seep 13	30/05/17	<0.00020	<0.00010	0.064	0.000055	305	<0.00050
SERDS Seep 13	20/06/17	<0.00010	<0.000050	0.067	<0.000060	317	<0.00050

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Cobalt (Co)-Total (mg/L)	Copper (Cu)-Total (mg/L)	Iron (Fe)-Total (mg/L)	Lead (Pb)-Total (mg/L)	Lithium (Li)-Total (mg/L)	Magnesium (Mg)-Total (mg/L)
SERDS Seep 13	06/04/17	0.00024	0.0145	0.174	0.00011	0.004	54.8
SERDS Seep 13	30/05/17	<0.00020	0.0099	<0.030	<0.00010	0.0039	57.3
SERDS Seep 13	20/06/17	0.00024	0.0148	0.177	0.000065	0.0042	53.9

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Manganese (Mn)-Total (mg/L)	Molybdenum (Mo)-Total (mg/L)	Nickel (Ni)-Total (mg/L)	Potassium (K)-Total (mg/L)	Selenium (Se)-Total (mg/L)	Silicon (Si)-Total (mg/L)
SERDS Seep 13	06/04/17	0.0716	0.139	<0.0010	1.86	0.065	8.02
SERDS Seep 13	30/05/17	0.0176	0.124	<0.0010	1.78	0.0509	7.61
SERDS Seep 13	20/06/17	0.0494	0.116	0.00052	1.76	0.0492	7.87

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Silver (Ag)-Total (mg/L)	Sodium (Na)-Total (mg/L)	Strontium (Sr)-Total (mg/L)	Thallium (Tl)-Total (mg/L)	Tin (Sn)-Total (mg/L)	Titanium (Ti)-Total (mg/L)
SERDS Seep 13	06/04/17	<0.000020	17.5	2.51	<0.000020	<0.000020	<0.010
SERDS Seep 13	30/05/17	<0.000020	18.3	2.48	<0.000020	<0.000020	<0.010
SERDS Seep 13	20/06/17	<0.000010	17.6	2.42	<0.000010	<0.000010	<0.010

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Uranium (U)-Total (mg/L)	Vanadium (V)-Total (mg/L)	Zinc (Zn)-Total (mg/L)	Aluminum (Al)-Dissolved (mg/L)	Antimony (Sb)-Dissolved (mg/L)	Arsenic (As)-Dissolved (mg/L)
SERDS Seep 13	06/04/17	0.00307	<0.0010	<0.0060	0.0032	0.00059	0.00075
SERDS Seep 13	30/05/17	0.00317	<0.0010	<0.0060	0.003	0.00062	0.00069
SERDS Seep 13	20/06/17	0.00313	0.00089	<0.0030	0.0035	0.00064	0.00064

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Barium (Ba)-Dissolved (mg/L)	Beryllium (Be)-Dissolved (mg/L)	Bismuth (Bi)-Dissolved (mg/L)	Boron (B)-Dissolved (mg/L)	Cadmium (Cd)-Dissolved (mg/L)	Calcium (Ca)-Dissolved (mg/L)
SERDS Seep 13	06/04/17	0.0431	<0.00020	<0.00010	0.063	<0.000080	335
SERDS Seep 13	30/05/17	0.0428	<0.00020	<0.00010	0.061	<0.000080	327
SERDS Seep 13	20/06/17	0.0436	<0.00020	<0.00010	0.066	<0.000080	317

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Chromium (Cr)-Dissolved (mg/L)	Cobalt (Co)-Dissolved (mg/L)	Copper (Cu)-Dissolved (mg/L)	Iron (Fe)-Dissolved (mg/L)	Lead (Pb)-Dissolved (mg/L)	Lithium (Li)-Dissolved (mg/L)
SERDS Seep 13	06/04/17	<0.00050	<0.00020	0.00873	<0.030	<0.00010	0.0053
SERDS Seep 13	30/05/17	<0.00050	<0.00020	0.00868	<0.030	<0.00010	0.0041
SERDS Seep 13	20/06/17	<0.00050	<0.00020	0.0074	<0.030	<0.00010	0.0042

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Magnesium (Mg)-Dissolved (mg/L)	Manganese (Mn)-Dissolved (mg/L)	Molybdenum (Mo)-Dissolved (mg/L)	Nickel (Ni)-Dissolved (mg/L)	Potassium (K)-Dissolved (mg/L)	Selenium (Se)-Dissolved (mg/L)
SERDS Seep 13	06/04/17	57.5	0.0332	0.134	<0.0010	1.95	0.0694
SERDS Seep 13	30/05/17	58.5	0.0147	0.129	<0.0010	1.88	0.054
SERDS Seep 13	20/06/17	53.9	0.0117	0.117	<0.0010	1.76	0.0532

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Silicon (Si)-Dissolved (mg/L)	Silver (Ag)-Dissolved (mg/L)	Sodium (Na)-Dissolved (mg/L)	Strontium (Sr)-Dissolved (mg/L)	Thallium (Tl)-Dissolved (mg/L)	Tin (Sn)-Dissolved (mg/L)
SERDS Seep 13	06/04/17	7.36	<0.000020	19.4	2.69	<0.000020	<0.00020
SERDS Seep 13	30/05/17	7.68	<0.000020	18	2.61	<0.000020	<0.00020
SERDS Seep 13	20/06/17	7.91	<0.000020	18	2.42	<0.000020	<0.00020

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Titanium (Ti)-Dissolved (mg/L)	Uranium (U)-Dissolved (mg/L)	Vanadium (V)-Dissolved (mg/L)	Zinc (Zn)-Dissolved (mg/L)
SERDS Seep 13	06/04/17	<0.010	0.00327	<0.0010	<0.0030
SERDS Seep 13	30/05/17	<0.010	0.0033	<0.0010	<0.0030
SERDS Seep 13	20/06/17	<0.010	0.00302	<0.0010	<0.0030

Appendix 6

Monitoring data report for: DI/Filter Blanks



Mount Polley
Mining Corporation
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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Conductivity (µs/cm)	Hardness (mg/L)	pH (pH)	TDS (mg/L)	TSS (mg/L)	NTU (ntu)	Alkalinity (CaCO ₃) (mg/L)	Ammonia (as N) (mg/L)
Filter Blank	08/05/17								
DI-Blank	22/05/17	<2.0	<0.50	5.37	<10	<1.0	<0.10	<1.0	<0.0050

		Conductivity (µs/cm)	Hardness (mg/L)	pH (pH)	TDS (mg/L)	TSS (mg/L)	NTU (ntu)	Alkalinity (CaCO ₃) (mg/L)	Ammonia (as N) (mg/L)
KEM1	11/04/17	<2.0	<0.50	5.54	<10	<1.0	0.11	<1.0	<0.0050
	08/05/17	<2.0	<0.50	5.40	<10	<1.0	0.23	<1.0	<0.0050
	22/05/17	<2.0	<0.50	5.28	<10	<1.0	0.37	<1.0	<0.0050
	01/06/17	<2.0	<0.50	5.35	<10	<1.0	<0.10	<1.0	<0.0050

Monitoring data report for: DI/Filter Blanks



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Chloride (mg/L)	Fluoride (mg/L)	Nitrate (N) (mg/L)	Nitrate and Nitrite (mg/L)	Nitrite (N) (mg/L)	Diss-Orthophosphate (mg/L)	Diss-Phosphorus (mg/L)	Total Phosphorus (mg/L)
Filter Blank	08/05/17								
DI-Blank	22/05/17	<0.50	<0.020	<0.0050	<0.0051	<0.0010	<0.0010	<0.0020	<0.0020

		Chloride (mg/L)	Fluoride (mg/L)	Nitrate (N) (mg/L)	Nitrate and Nitrite (mg/L)	Nitrite (N) (mg/L)	Diss-Orthophosphate (mg/L)	Diss-Phosphorus (mg/L)	Total Phosphorus (mg/L)
KEM1	11/04/17	<0.50	<0.020	<0.0050	<0.0051	<0.0010	0.0023	0.0026	<0.0020
	08/05/17	<0.50	<0.020	<0.0050	<0.0051	<0.0010	0.0013	0.0026	<0.0020
	22/05/17	<0.50	<0.020	<0.0050	<0.0051	<0.0010	<0.0010	<0.0020	<0.0020
	01/06/17	<0.50	<0.020	<0.0050	<0.0051	<0.0010	<0.0010	<0.0020	<0.0020

Monitoring data report for: DI/Filter Blanks



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Sulphate (mg/L)	Total Nitrogen (mg/L)	Dissolved Organic Ca (mg/L)	Aluminum (Al)-Total (mg/L)	Antimony (Sb)-Total (mg/L)	Arsenic (As)-Total (mg/L)	Barium (Ba)-Total (mg/L)	Beryllium (Be)-Total (mg/L)
Filter Blank	08/05/17								
DI-Blank	22/05/17	<0.30	<0.030	<0.50	<0.0030	<0.00010	<0.00010	<0.000050	<0.00010

		Sulphate (mg/L)	Total Nitrogen (mg/L)	Dissolved Organic Ca (mg/L)	Aluminum (Al)-Total (mg/L)	Antimony (Sb)-Total (mg/L)	Arsenic (As)-Total (mg/L)	Barium (Ba)-Total (mg/L)	Beryllium (Be)-Total (mg/L)
KEM1	11/04/17	<0.30	<0.030	<0.50	<0.0030	<0.00010	<0.00010	<0.000050	<0.00010
	08/05/17	<0.30	<0.030	<0.50	0.0035	<0.00010	<0.00010	0.000081	<0.00010
	22/05/17	<0.30	<0.030	<0.50	0.0035	<0.00010	<0.00010	0.000084	<0.00010
	01/06/17	<0.30	<0.030	<0.50	<0.0030	<0.00010	<0.00010	<0.000050	<0.00010

Monitoring data report for: DI/Filter Blanks



Mount Polley
Mining Corporation
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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Bismuth (Bi)-Total (mg/L)	Boron (B)-Total (mg/L)	Cadmium (Cd)-Total (mg/L)	Calcium (Ca)-Total (mg/L)	Chromium (Cr)-Total (mg/L)	Cobalt (Co)-Total (mg/L)	Copper (Cu)-Total (mg/L)	Iron (Fe)-Total (mg/L)
Filter Blank	08/05/17								
DI-Blank	22/05/17	<0.000050	<0.010	<0.000005	<0.050	<0.00050	<0.00010	<0.00050	<0.030

		Bismuth (Bi)-Total (mg/L)	Boron (B)-Total (mg/L)	Cadmium (Cd)-Total (mg/L)	Calcium (Ca)-Total (mg/L)	Chromium (Cr)-Total (mg/L)	Cobalt (Co)-Total (mg/L)	Copper (Cu)-Total (mg/L)	Iron (Fe)-Total (mg/L)
KEM1	11/04/17	<0.000050	<0.010	<0.000005	<0.050	<0.00050	<0.00010	<0.00050	<0.030
	08/05/17	<0.000050	<0.010	<0.000005	<0.050	<0.00050	<0.00010	<0.00050	<0.030
	22/05/17	<0.000050	<0.010	<0.000005	<0.050	<0.00050	<0.00010	<0.00050	<0.030
	01/06/17	<0.000050	<0.010	<0.000005	<0.050	<0.00050	<0.00010	<0.00050	<0.030

Monitoring data report for: DI/Filter Blanks



Mount Polley
Mining Corporation
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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Lead (Pb)-Total (mg/L)	Lithium (Li)-Total (mg/L)	Magnesium (Mg)-Total (mg/L)	Manganese (Mn)-Total (mg/L)	Molybdenum (Mo)-Total (mg/L)	Nickel (Ni)-Total (mg/L)	Potassium (K)-Total (mg/L)	Selenium (Se)-Total (mg/L)
Filter Blank	08/05/17								
DI-Blank	22/05/17	<0.000050	<0.0010	<0.10	<0.00010	<0.000050	<0.00050	<0.050	<0.000050

		Lead (Pb)-Total (mg/L)	Lithium (Li)-Total (mg/L)	Magnesium (Mg)-Total (mg/L)	Manganese (Mn)-Total (mg/L)	Molybdenum (Mo)-Total (mg/L)	Nickel (Ni)-Total (mg/L)	Potassium (K)-Total (mg/L)	Selenium (Se)-Total (mg/L)
KEM1	11/04/17	0.000080	<0.0010	<0.10	<0.00010	<0.000050	<0.00050	<0.050	<0.000050
	08/05/17	0.000092	<0.0010	<0.10	<0.00010	<0.000050	<0.00050	<0.050	<0.000050
	22/05/17	0.000379	<0.0010	<0.10	<0.00010	<0.000050	<0.00050	<0.050	<0.000050
	01/06/17	0.00012	<0.0010	<0.10	<0.00010	<0.000050	<0.00050	<0.050	<0.000050

Monitoring data report for: DI/Filter Blanks



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Silicon (Si)-Total (mg/L)	Silver (Ag)-Total (mg/L)	Sodium (Na)-Total (mg/L)	Strontium (Sr)-Total (mg/L)	Thallium (Tl)-Total (mg/L)	Tin (Sn)-Total (mg/L)	Titanium (Ti)-Total (mg/L)	Uranium (U)-Total (mg/L)
Filter Blank	08/05/17								
DI-Blank	22/05/17	<0.10	<0.000010	<0.050	<0.00020	<0.000010	<0.00010	<0.010	<0.000010

		Silicon (Si)-Total (mg/L)	Silver (Ag)-Total (mg/L)	Sodium (Na)-Total (mg/L)	Strontium (Sr)-Total (mg/L)	Thallium (Tl)-Total (mg/L)	Tin (Sn)-Total (mg/L)	Titanium (Ti)-Total (mg/L)	Uranium (U)-Total (mg/L)
KEM1	11/04/17	<0.10	<0.000010	<0.050	<0.00020	<0.000010	<0.00010	<0.010	<0.000010
	08/05/17	<0.10	<0.000010	<0.050	<0.00020	<0.000010	<0.00010	<0.010	<0.000010
	22/05/17	<0.10	<0.000010	<0.050	<0.00020	<0.000010	<0.00010	<0.010	<0.000010
	01/06/17	<0.10	<0.000010	<0.050	<0.00020	<0.000010	<0.00010	<0.010	<0.000010

Monitoring data report for: DI/Filter Blanks



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Vanadium (V)-Total (mg/L)	Zinc (Zn)-Total (mg/L)	Diss-Aluminum (Al) (mg/L)	Diss-Antimony (Sb) (mg/L)	Diss-Arsenic (As) (mg/L)	Diss-Barium (Ba) (mg/L)	Diss-Beryllium (Be) (mg/L)	Diss-Bismuth (Bi) (mg/L)
Filter Blank	08/05/17			<0.0030	<0.00010	<0.00010	<0.000050	<0.00010	<0.000050
DI-Blank	22/05/17	<0.00050	<0.0030						

		Vanadium (V)-Total (mg/L)	Zinc (Zn)-Total (mg/L)
KEM1	11/04/17	<0.00050	<0.0030
	08/05/17	<0.00050	<0.0030
	22/05/17	<0.00050	<0.0030
	01/06/17	<0.00050	<0.0030

Monitoring data report for: DI/Filter Blanks



Mount Polley
Mining Corporation
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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Boron (B) (mg/L)	Diss-Cadmium (Cd) (mg/L)	Diss-Calcium (Ca) (mg/L)	Diss-Chromium (Cr) (mg/L)	Diss-Cobalt (Co) (mg/L)	Diss-Copper (Cu) (mg/L)	Diss-Iron (Fe) (mg/L)	Diss-Lead (Pb) (mg/L)
Filter Blank	08/05/17	<0.010	<0.000005	<0.050	<0.00050	<0.00010	<0.00050	<0.030	<0.000050
DI-Blank	22/05/17								

Printed Date: 10-Aug-2017

Monitoring data report for: DI/Filter Blanks



Mount Polley
Mining Corporation
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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Lithium (Li) (mg/L)	Diss-Magnesium (Mg) (mg/L)	Diss-Manganese (Mn) (mg/L)	Diss-Molybdenum (Mo) (mg/L)	Diss-Nickel (Ni) (mg/L)	Diss-Potassium (K) (mg/L)	Diss-Selenium (mg/L)	Diss-Silicon (Si) (mg/L)
Filter Blank	08/05/17	<0.0010	<0.10	<0.00010	<0.000050	<0.00050	<0.050	<0.000050	<0.050
DI-Blank	22/05/17								

Monitoring data report for: DI/Filter Blanks



Mount Polley
Mining Corporation
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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Silver (Ag) (mg/L)	Diss-Sodium (Na) (mg/L)	Diss-Strontium (Sr) (mg/L)	Diss-Thallium (Tl) (mg/L)	Diss-Tin (Sn) (mg/L)	Diss-Titanium (Ti) (mg/L)	Diss-Uranium (U) (mg/L)	Diss-Vanadium (V) (mg/L)
Filter Blank	08/05/17	<0.000010	<0.050	<0.00020	<0.000010	<0.00010	<0.010	<0.000010	<0.00050
DI-Blank	22/05/17								

Printed Date: 10-Aug-2017

Monitoring data report for: DI/Filter Blanks



Mount Polley
Mining Corporation
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This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Diss-Zinc (Zn) (mg/L)
Filter Blank	08/05/17	<0.0030
DI-Blank	22/05/17	

Printed Date: 10-Aug-2017

Monitoring data report for: Field Blanks



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Conductivity (µs/cm)	Hardness (mg/L)	pH (pH)	TDS (mg/L)	TSS (mg/L)	NTU (ntu)	Alkalinity (CaCO ₃) (mg/L)	Ammonia (as N) (mg/L)
Field Blank	24/04/17	<2.0	<0.50	5.43	<10	<1.0	<0.10	<1.0	<0.0050
	25/05/17	<2.0	<0.50	5.16	<10	<1.0	<0.10	<1.0	<0.0050
	07/06/17	<2.0	<0.50	5.41	<10	<1.0	<0.10	<1.0	<0.0050
QUL-58-FB	09/05/17	<2.0	<0.50	5.49	<10	<1.0	<0.10	<1.0	<0.0050
HAC-13-FB	20/06/17	<2.0	<0.50	5.32	<10	<1.0	<0.10	<1.0	0.0087
QUL-ZOO-7-FB	21/06/17	<2.0	<0.50	5.42	<10	<1.0	<0.10	<1.0	<0.0050

		Conductivity (µs/cm)	Hardness (mg/L)	pH (pH)	TDS (mg/L)	TSS (mg/L)	NTU (ntu)	Alkalinity (CaCO ₃) (mg/L)	Ammonia (as N) (mg/L)
HAC-TB	03/04/17	<2.0	<0.50	5.5	<10	<1.0	<0.10	<1.0	<0.0050
POL-TB	18/06/17	<2.0	<0.50	5.19	<10	<1.0	<0.10	<1.0	<0.0050
QUL-TB	11/04/17	<2.0	<0.50	5.30	<10	<1.0	<0.10	<1.0	<0.0050
Travel Blank	19/04/17	<2.0	<0.50	5.41	<10	<1.0	<0.10	<1.0	<0.0050
	04/05/17	<2.0	<0.50	5.21	<10	<1.0	<0.10	<1.0	<0.0050
	07/06/17	<2.0	<0.50	5.39	<10	<1.0	<0.10	<1.0	<0.0050

Monitoring data report for: Field Blanks



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Chloride (mg/L)	Fluoride (mg/L)	Nitrate (N) (mg/L)	Nitrate and Nitrite (mg/L)	Nitrite (N) (mg/L)	Diss-Orthophosphate (mg/L)	Diss-Phosphorus (mg/L)	Total Phosphorus (mg/L)
Field Blank	24/04/17	<0.50	<0.020	<0.0050	<0.0051	<0.0010	<0.0010	<0.0020	<0.0020
	25/05/17	<0.50	<0.020	<0.0050	<0.0051	<0.0010	<0.0010	<0.0020	<0.0020
	07/06/17	<0.50	<0.020	<0.0050	<0.0051	<0.0010	<0.0010	<0.0020	<0.0020
QUL-58-FB	09/05/17	<0.50	<0.020	<0.0050	<0.0051	<0.0010	<0.0010	<0.0020	<0.0020
HAC-13-FB	20/06/17	<0.50	<0.020	<0.0050	<0.0051	<0.0010	<0.0010	<0.0020	<0.0020
QUL-ZOO-7-FB	21/06/17	<0.50	<0.020	<0.0050	<0.0051	<0.0010	<0.0010	<0.0020	<0.0020

		Chloride (mg/L)	Fluoride (mg/L)	Nitrate (N) (mg/L)	Nitrate and Nitrite (mg/L)	Nitrite (N) (mg/L)	Diss-Orthophosphate (mg/L)	Diss-Phosphorus (mg/L)	Total Phosphorus (mg/L)
HAC-TB	03/04/17	<0.50	<0.020	<0.0050	<0.0051	<0.0010	<0.0010	<0.0020	<0.0020
POL-TB	18/06/17	<0.50	<0.020	<0.0050	<0.0051	<0.0010	<0.0010	<0.0020	<0.0020
QUL-TB	11/04/17	<0.50	<0.020	<0.0050	<0.0051	<0.0010	<0.0010	<0.0020	<0.0020
Travel Blank	19/04/17	<0.50	<0.020	<0.0050	<0.0051	<0.0010	<0.0010	<0.0020	<0.0020
	04/05/17	<0.50	<0.020	<0.0050	<0.0051	<0.0010	<0.0010	<0.0020	<0.0020
	07/06/17	<0.50	<0.020	<0.0050	<0.0051	<0.0010	<0.0010	<0.0020	<0.0020

Printed Date: 10-Aug-2017

Monitoring data report for: Field Blanks



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Sulphate (mg/L)	Total Nitrogen (mg/L)	Dissolved Organic Ca (mg/L)	Aluminum (Al)-Total (mg/L)	Antimony (Sb)-Total (mg/L)	Arsenic (As)-Total (mg/L)	Barium (Ba)-Total (mg/L)	Beryllium (Be)-Total (mg/L)
Field Blank	24/04/17	<0.30	<0.030	<0.50	<0.0030	<0.00010	<0.00010	<0.000050	<0.00010
	25/05/17	<0.30	<0.030	<0.50	<0.0030	<0.00010	<0.00010	<0.000050	<0.00010
	07/06/17	<0.30	<0.030	<0.50	<0.0030	<0.00010	<0.00010	<0.000050	<0.00010
QUL-58-FB	09/05/17	<0.30	<0.030	<0.50	<0.0030	<0.00010	<0.00010	<0.000050	<0.00010
HAC-13-FB	20/06/17	<0.30	<0.030	<0.50	<0.0030	<0.00010	<0.00010	<0.000050	<0.00010
QUL-ZOO-7-FB	21/06/17	<0.30	<0.030	<0.50	<0.0030	<0.00010	<0.00010	<0.000050	<0.00010

		Sulphate (mg/L)	Total Nitrogen (mg/L)	Aluminum (Al)-Total (mg/L)	Antimony (Sb)-Total (mg/L)	Arsenic (As)-Total (mg/L)	Barium (Ba)-Total (mg/L)	Beryllium (Be)-Total (mg/L)	Bismuth (Bi)-Total (mg/L)
HAC-TB	03/04/17	<0.30	<0.030	<0.0030	<0.00010	<0.00010	<0.000050	<0.00010	<0.000050
POL-TB	18/06/17	<0.30	<0.030	<0.0030	<0.00010	<0.00010	<0.000050	<0.00010	<0.000050
QUL-TB	11/04/17	<0.30	<0.030	<0.0030	<0.00010	<0.00010	<0.000050	<0.00010	<0.000050
Travel Blank	19/04/17	<0.30	<0.030	<0.0030	<0.00010	<0.00010	<0.000050	<0.00010	<0.000050
	04/05/17	<0.30	<0.030	<0.0030	<0.00010	<0.00010	<0.000050	<0.00010	<0.000050
	07/06/17	<0.30	<0.030	<0.0030	<0.00010	<0.00010	<0.000050	<0.00010	<0.000050

Monitoring data report for: Field Blanks



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Bismuth (Bi)-Total (mg/L)	Boron (B)-Total (mg/L)	Cadmium (Cd)-Total (mg/L)	Calcium (Ca)-Total (mg/L)	Chromium (Cr)-Total (mg/L)	Cobalt (Co)-Total (mg/L)	Copper (Cu)-Total (mg/L)	Iron (Fe)-Total (mg/L)
Field Blank	24/04/17	<0.000050	<0.010	<0.000005	<0.050	<0.00050	<0.00010	<0.00050	<0.030
	25/05/17	<0.000050	<0.010	<0.000005	<0.050	<0.00050	<0.00010	<0.00050	<0.030
	07/06/17	<0.000050	<0.010	<0.000005	<0.050	<0.00050	<0.00010	<0.00050	<0.030
QUL-58-FB	09/05/17	<0.000050	<0.010	<0.000005	<0.050	<0.00050	<0.00010	<0.00050	<0.030
HAC-13-FB	20/06/17	<0.000050	<0.010	<0.000005	<0.050	<0.00050	<0.00010	<0.00050	<0.030
QUL-ZOO-7-FB	21/06/17	<0.000050	<0.010	<0.000005	<0.050	<0.00050	<0.00010	<0.00050	<0.030

		Boron (B)-Total (mg/L)	Cadmium (Cd)-Total (mg/L)	Calcium (Ca)-Total (mg/L)	Chromium (Cr)-Total (mg/L)	Cobalt (Co)-Total (mg/L)	Copper (Cu)-Total (mg/L)	Iron (Fe)-Total (mg/L)	Lead (Pb)-Total (mg/L)
HAC-TB	03/04/17	<0.010	<0.000005	<0.050	<0.00050	<0.00010	<0.00050	<0.030	<0.000050
POL-TB	18/06/17	<0.010	<0.000005	<0.050	<0.00050	<0.00010	<0.00050	<0.030	<0.000050
QUL-TB	11/04/17	<0.010	<0.000005	<0.050	<0.00050	<0.00010	<0.00050	<0.030	<0.000050
Travel Blank	19/04/17	<0.010	<0.000005	<0.050	<0.00050	<0.00010	<0.00050	<0.030	<0.000050
	04/05/17	<0.010	<0.000005	<0.050	<0.00050	<0.00010	<0.00050	<0.030	<0.000050
	07/06/17	<0.010	<0.000005	<0.050	<0.00050	<0.00010	<0.00050	<0.030	<0.000050

Printed Date: 10-Aug-2017

Monitoring data report for: Field Blanks



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Lead (Pb)-Total (mg/L)	Lithium (Li)-Total (mg/L)	Magnesium (Mg)-Total (mg/L)	Manganese (Mn)-Total (mg/L)	Molybdenum (Mo)-Total (mg/L)	Nickel (Ni)-Total (mg/L)	Potassium (K)-Total (mg/L)	Selenium (Se)-Total (mg/L)
Field Blank	24/04/17	<0.000050	<0.0010	<0.10	<0.00010	<0.000050	<0.00050	<0.050	<0.000050
	25/05/17	<0.000050	<0.0010	<0.10	<0.00010	<0.000050	<0.00050	<0.050	<0.000050
	07/06/17	<0.000050	<0.0010	<0.10	<0.00010	<0.000050	<0.00050	<0.050	<0.000050
QUL-58-FB	09/05/17	<0.000050	<0.0010	<0.10	<0.00010	<0.000050	<0.00050	<0.050	<0.000050
HAC-13-FB	20/06/17	<0.000050	<0.0010	<0.10	<0.00010	<0.000050	<0.00050	<0.050	<0.000050
QUL-ZOO-7-FB	21/06/17	<0.000050	<0.0010	<0.10	<0.00010	<0.000050	<0.00050	<0.050	<0.000050

		Lithium (Li)-Total (mg/L)	Magnesium (Mg)-Total (mg/L)	Manganese (Mn)-Total (mg/L)	Molybdenum (Mo)-Total (mg/L)	Nickel (Ni)-Total (mg/L)	Potassium (K)-Total (mg/L)	Selenium (Se)-Total (mg/L)	Silicon (Si)-Total (mg/L)
HAC-TB	03/04/17	<0.0010	<0.10	<0.00010	<0.000050	<0.00050	<0.050	<0.000050	<0.050
POL-TB	18/06/17	<0.0010	<0.10	<0.00010	<0.000050	<0.00050	<0.050	<0.000050	<0.10
QUL-TB	11/04/17	<0.0010	<0.10	<0.00010	<0.000050	<0.00050	<0.050	<0.000050	<0.10
Travel Blank	19/04/17	<0.0010	<0.10	<0.00010	<0.000050	<0.00050	<0.050	<0.000050	<0.10
	04/05/17	<0.0010	<0.10	<0.00010	<0.000050	<0.00050	<0.050	<0.000050	<0.10
	07/06/17	<0.0010	<0.10	<0.00010	<0.000050	<0.00050	<0.050	<0.000050	<0.10

Printed Date: 10-Aug-2017

Monitoring data report for: Field Blanks



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Silicon (Si)-Total (mg/L)	Silver (Ag)-Total (mg/L)	Sodium (Na)-Total (mg/L)	Strontium (Sr)-Total (mg/L)	Thallium (Tl)-Total (mg/L)	Tin (Sn)-Total (mg/L)	Titanium (Ti)-Total (mg/L)	Uranium (U)-Total (mg/L)
Field Blank	24/04/17	<0.10	<0.000010	<0.050	<0.00020	<0.000010	<0.00010	<0.010	<0.000010
	25/05/17	<0.10	<0.000010	<0.050	<0.00020	<0.000010	<0.00010	<0.010	<0.000010
	07/06/17	<0.10	<0.000010	<0.050	<0.00020	<0.000010	<0.00010	<0.010	<0.000010
QUL-58-FB	09/05/17	<0.10	<0.000010	<0.050	<0.00020	<0.000010	<0.00010	<0.010	<0.000010
HAC-13-FB	20/06/17	<0.10	<0.000010	<0.050	<0.00020	<0.000010	<0.00010	<0.010	<0.000010
QUL-ZOO-7-FB	21/06/17	<0.10	<0.000010	<0.050	<0.00020	<0.000010	<0.00010	<0.010	<0.000010

		Silver (Ag)-Total (mg/L)	Sodium (Na)-Total (mg/L)	Strontium (Sr)-Total (mg/L)	Thallium (Tl)-Total (mg/L)	Tin (Sn)-Total (mg/L)	Titanium (Ti)-Total (mg/L)	Uranium (U)-Total (mg/L)	Vanadium (V)-Total (mg/L)
HAC-TB	03/04/17	<0.000010	<0.050	<0.00020	<0.000010	<0.00010	<0.010	<0.000010	<0.00050
POL-TB	18/06/17	<0.000010	<0.050	<0.00020	<0.000010	<0.00010	<0.010	<0.000010	<0.00050
QUL-TB	11/04/17	<0.000010	<0.050	<0.00020	<0.000010	<0.00010	<0.010	<0.000010	<0.00050
Travel Blank	19/04/17	<0.000010	<0.050	<0.00020	<0.000010	<0.00010	<0.010	<0.000010	<0.00050
	04/05/17	<0.000010	<0.050	<0.00020	<0.000010	<0.00010	<0.010	<0.000010	<0.00050
	07/06/17	<0.000010	<0.050	<0.00020	<0.000010	<0.00010	<0.010	<0.000010	<0.00050

Monitoring data report for: Field Blanks



Mount Polley
Mining Corporation
IMPERIAL METALS CORPORATION

This report covers the period from: 1-Apr-2017 to: 30-Jun-2017

		Vanadium (V)-Total (mg/L)	Zinc (Zn)-Total (mg/L)
Field Blank	24/04/17	<0.00050	<0.0030
	25/05/17	<0.00050	<0.0030
	07/06/17	<0.00050	<0.0030
QUL-58-FB	09/05/17	<0.00050	<0.0030
HAC-13-FB	20/06/17	<0.00050	<0.0030
QUL-ZOO-7-FB	21/06/17	<0.00050	<0.0030

		Zinc (Zn)-Total (mg/L)
HAC-TB	03/04/17	<0.0030
POL-TB	18/06/17	<0.0030
QUL-TB	11/04/17	<0.0030
Travel Blank	19/04/17	<0.0030
	04/05/17	<0.0030
	07/06/17	<0.0030

Printed Date: 10-Aug-2017

Appendix 7

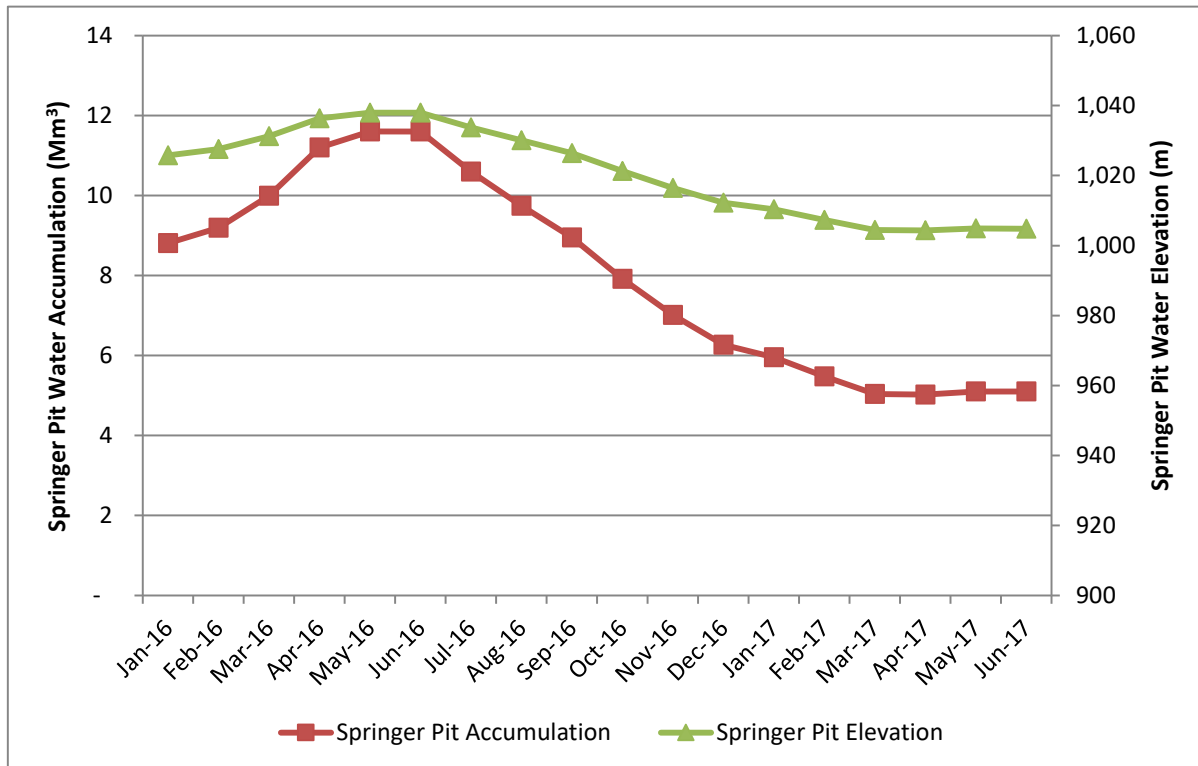
Appendix 7
Site Water Balance Update

Q2

Item	Description ¹	Change over Quarter
Springer Pit Elevation (m)	1,004.84	0.41
Springer Pit Volume (m ³) - Total	5,099,351	60,525
Springer Pit Volume (m ³) - Tailings + Interstitial Water	3,609,362	0
TSF Elevation (m)	956.73	1.90
TSF Volume (m ³) - Total (Post Breach)	7,546,580	1,728,962
TSF Volume (m ³) - Tailings + Interstitial Water	4,987,160	1,289,422
Total Free Water Volume (m ³) (Springer + TSF)	4,049,409	500,065
Total Water Discharged (m ³)	404,958	-926,370
Weather Statistics - Q1 Actual	Mean Temperature = 8.8°C	-
	Snowmelt = 75 mm	
	Snowpack = 0.0 mm	
	Rainfall = 120.5 mm	
Weather Statistics – Q1 Average	Mean Temperature = 8.3 °C	-
	Snowpack = 7.2 mm	
	Rainfall = 59.0 mm	

Notes:

1) Elevations for end of quarter



Appendix 8



MOUNT POLLEY MINING CORP.
ATTN: Colleen Hughes
PO Box 12
Likely BC VOL 1N0

Date Received: 05-MAY-17
Report Date: 31-MAY-17 16:22 (MT)
Version: FINAL

Client Phone: 250-790-2215

Certificate of Analysis

Lab Work Order #: L1922929
Project P.O. #: NOT SUBMITTED
Job Reference:
C of C Numbers:
Legal Site Desc:

Can Dang
Senior Account Manager

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ADDRESS: 8081 Lougheed Hwy, Suite 100, Burnaby, BC V5A 1W9 Canada | Phone: +1 604 253 4188 | Fax: +1 604 253 6700
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ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1922929-1	L1922929-2	L1922929-3	L1922929-4	L1922929-5
		Description	Tissue	Tissue	Tissue	Tissue	Tissue
		Sampled Date	03-MAY-17	03-MAY-17	03-MAY-17	03-MAY-17	03-MAY-17
		Sampled Time					
		Client ID	POL-RB-1 MUSCLE	POL-RB-2 MUSCLE	POL-RB-3 MUSCLE	POL-RB-4 MUSCLE	POL-RB-5 MUSCLE
Grouping	Analyte						
TISSUE							
Physical Tests	% Moisture (%)		77.4	76.3	75.8	78.0	77.5
Metals	Aluminum (Al)-Total (mg/kg)		<2.0	<2.0	2.9	<2.0	5.4
	Antimony (Sb)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Arsenic (As)-Total (mg/kg)		0.054	0.069	0.088	0.032	0.078
	Barium (Ba)-Total (mg/kg)		<0.050	<0.050	<0.050	<0.050	0.107
	Beryllium (Be)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Bismuth (Bi)-Total (mg/kg)		0.015	<0.010	<0.010	<0.010	<0.010
	Boron (B)-Total (mg/kg)		<1.0	<1.0	<1.0	<1.0	<1.0
	Cadmium (Cd)-Total (mg/kg)		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	Calcium (Ca)-Total (mg/kg)		976	596	673	835	799
	Cesium (Cs)-Total (mg/kg)		0.0834	0.0839	0.104	0.0892	0.132
	Chromium (Cr)-Total (mg/kg)		<0.050	<0.050	<0.050	<0.050	<0.050
	Cobalt (Co)-Total (mg/kg)		<0.020	<0.020	0.020	0.020	<0.020
	Copper (Cu)-Total (mg/kg)		2.39	2.97	2.55	2.42	2.68
	Iron (Fe)-Total (mg/kg)		39.6	33.5	36.7	30.7	39.0
	Lead (Pb)-Total (mg/kg)		0.032	<0.020	<0.020	<0.020	<0.020
	Lithium (Li)-Total (mg/kg)		<0.50	<0.50	<0.50	<0.50	<0.50
	Magnesium (Mg)-Total (mg/kg)		1300	1240	1110	1390	1380
	Manganese (Mn)-Total (mg/kg)		0.654	0.762	0.559	0.705	0.649
	Mercury (Hg)-Total (mg/kg)		0.356	0.289	0.276	0.415	0.401
	Molybdenum (Mo)-Total (mg/kg)		<0.020	<0.020	<0.020	<0.020	<0.020
	Nickel (Ni)-Total (mg/kg)		<0.20	<0.20	<0.20	<0.20	<0.20
	Phosphorus (P)-Total (mg/kg)		12000	11200	10800	12900	12800
	Potassium (K)-Total (mg/kg)		19500	18500	17100	21200	20900
	Rubidium (Rb)-Total (mg/kg)		7.12	7.28	9.25	7.70	10.6
	Selenium (Se)-Total (mg/kg)		4.90	5.89	4.66	5.95	5.57
	Sodium (Na)-Total (mg/kg)		1780	1820	2060	2170	2030
	Strontium (Sr)-Total (mg/kg)		1.41	0.911	1.02	1.15	1.33
	Tellurium (Te)-Total (mg/kg)		<0.020	<0.020	<0.020	<0.020	<0.020
	Thallium (Tl)-Total (mg/kg)		0.0063	0.0026	0.0036	0.0033	0.0024
	Tin (Sn)-Total (mg/kg)		0.21	0.24	0.22	0.25	0.27
	Uranium (U)-Total (mg/kg)		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Vanadium (V)-Total (mg/kg)		<0.10	<0.10	<0.10	<0.10	<0.10
	Zinc (Zn)-Total (mg/kg)		17.0	19.7	15.4	16.7	17.0
	Zirconium (Zr)-Total (mg/kg)		<0.20	<0.20	<0.20	<0.20	<0.20

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1922929-6 Tissue 03-MAY-17 POL-RB-6 MUSCLE	L1922929-7 Tissue 03-MAY-17 POL-RB-7 MUSCLE	L1922929-8 Tissue 03-MAY-17 POL-RB-8 MUSCLE	L1922929-9 Tissue 03-MAY-17 POL-RB-1 OVARY	L1922929-10 Tissue 03-MAY-17 POL-RB-2 OVARY
Grouping	Analyte					
TISSUE						
Physical Tests	% Moisture (%)	77.2	77.9	77.7	60.3	63.4
Metals	Aluminum (Al)-Total (mg/kg)	<2.0	3.1	3.3	<2.0	<2.0
	Antimony (Sb)-Total (mg/kg)	0.038	<0.010	<0.010	<0.010	<0.010
	Arsenic (As)-Total (mg/kg)	0.076	0.048	0.065	0.032	0.033
	Barium (Ba)-Total (mg/kg)	0.059	0.072	0.051	0.222	0.177
	Beryllium (Be)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010
	Bismuth (Bi)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010
	Boron (B)-Total (mg/kg)	<1.0	<1.0	<1.0	<1.0	<1.0
	Cadmium (Cd)-Total (mg/kg)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	Calcium (Ca)-Total (mg/kg)	605	1030	966	1300	1190
	Cesium (Cs)-Total (mg/kg)	0.0935	0.126	0.0915	0.0213	0.0229
	Chromium (Cr)-Total (mg/kg)	0.210	0.090	<0.050	<0.050	<0.050
	Cobalt (Co)-Total (mg/kg)	0.021	0.021	<0.020	0.072	0.054
	Copper (Cu)-Total (mg/kg)	2.66	2.24	2.22	9.06	8.04
	Iron (Fe)-Total (mg/kg)	32.9	37.9	36.4	43.8	52.4
	Lead (Pb)-Total (mg/kg)	<0.020	<0.020	<0.020	<0.020	<0.020
	Lithium (Li)-Total (mg/kg)	<0.50	<0.50	<0.50	<0.50	<0.50
	Magnesium (Mg)-Total (mg/kg)	1310	1350	1330	1730	1600
	Manganese (Mn)-Total (mg/kg)	0.581	0.858	0.770	4.28	3.56
	Mercury (Hg)-Total (mg/kg)	0.299	0.318	0.461	<0.0050	<0.0050
	Molybdenum (Mo)-Total (mg/kg)	<0.020	<0.020	<0.020	0.056	0.070
	Nickel (Ni)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Phosphorus (P)-Total (mg/kg)	11700	12200	12700	12900	12500
	Potassium (K)-Total (mg/kg)	19300	20100	20800	7830	7830
	Rubidium (Rb)-Total (mg/kg)	8.51	11.4	7.84	3.66	3.73
	Selenium (Se)-Total (mg/kg)	5.17	5.80	6.00	10.1	10.4
	Sodium (Na)-Total (mg/kg)	2070	2010	1910	1780	2370
	Strontium (Sr)-Total (mg/kg)	0.925	1.79	1.50	3.89	3.99
	Tellurium (Te)-Total (mg/kg)	<0.020	<0.020	<0.020	<0.020	<0.020
	Thallium (Tl)-Total (mg/kg)	0.0065	0.0043	0.0030	0.0034	<0.0020
	Tin (Sn)-Total (mg/kg)	0.11	0.20	0.15	<0.10	<0.10
	Uranium (U)-Total (mg/kg)	0.0027	<0.0020	<0.0020	<0.0020	<0.0020
	Vanadium (V)-Total (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10
	Zinc (Zn)-Total (mg/kg)	19.9	24.5	15.8	71.5	67.1
	Zirconium (Zr)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID Description Sampled Date Sampled Time Client ID	L1922929-11 Tissue 03-MAY-17 POL-RB-3 OVARY	L1922929-12 Tissue 03-MAY-17 POL-RB-4 OVARY	L1922929-13 Tissue 03-MAY-17 POL-RB-5 OVARY	L1922929-14 Tissue 03-MAY-17 POL-RB-6 OVARY	L1922929-15 Tissue 03-MAY-17 POL-RB-7 OVARY
Grouping	Analyte						
TISSUE							
Physical Tests	% Moisture (%)	63.0	63.4	64.6	61.8	62.1	
Metals	Aluminum (Al)-Total (mg/kg)	<2.0	<2.0	<2.0	<2.0	<2.0	
	Antimony (Sb)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	
	Arsenic (As)-Total (mg/kg)	0.049	0.028	0.053	0.028	0.050	
	Barium (Ba)-Total (mg/kg)	0.149	0.246	0.242	0.218	0.204	
	Beryllium (Be)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	
	Bismuth (Bi)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	
	Boron (B)-Total (mg/kg)	<1.0	<1.0	<1.0	<1.0	<1.0	
	Cadmium (Cd)-Total (mg/kg)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
	Calcium (Ca)-Total (mg/kg)	1310	1210	1150	1210	1340	
	Cesium (Cs)-Total (mg/kg)	0.0279	0.0233	0.0314	0.0250	0.0337	
	Chromium (Cr)-Total (mg/kg)	<0.050	<0.050	<0.050	<0.050	<0.050	
	Cobalt (Co)-Total (mg/kg)	0.047	0.089	0.051	0.056	0.071	
	Copper (Cu)-Total (mg/kg)	7.81	9.45	6.71	8.33	10.8	
	Iron (Fe)-Total (mg/kg)	46.3	46.3	65.4	45.3	45.3	
	Lead (Pb)-Total (mg/kg)	<0.020	<0.020	<0.020	<0.020	<0.020	
	Lithium (Li)-Total (mg/kg)	<0.50	<0.50	<0.50	<0.50	<0.50	
	Magnesium (Mg)-Total (mg/kg)	1450	1640	1890	1820	1910	
	Manganese (Mn)-Total (mg/kg)	2.98	5.12	2.97	2.70	4.29	
	Mercury (Hg)-Total (mg/kg)	<0.0050	0.0057	0.0090	<0.0050	<0.0050	
	Molybdenum (Mo)-Total (mg/kg)	0.065	0.066	0.070	0.053	0.056	
	Nickel (Ni)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20	
	Phosphorus (P)-Total (mg/kg)	11600	11600	13900	12400	13400	
	Potassium (K)-Total (mg/kg)	7720	7390	7160	7740	8510	
	Rubidium (Rb)-Total (mg/kg)	4.48	3.38	4.74	4.06	5.60	
	Selenium (Se)-Total (mg/kg)	8.92	10.6	10.4	10.4	11.3	
	Sodium (Na)-Total (mg/kg)	2770	2600	2390	1950	2480	
	Strontium (Sr)-Total (mg/kg)	3.48	3.65	3.98	3.96	4.29	
	Tellurium (Te)-Total (mg/kg)	<0.020	<0.020	<0.020	<0.020	<0.020	
	Thallium (Tl)-Total (mg/kg)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	
	Tin (Sn)-Total (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10	
	Uranium (U)-Total (mg/kg)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	
	Vanadium (V)-Total (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10	
	Zinc (Zn)-Total (mg/kg)	71.8	60.7	82.0	63.9	77.3	
	Zirconium (Zr)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20	

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID Description Sampled Date Sampled Time Client ID	L1922929-16 Tissue 03-MAY-17 POL-RB-8 OVARY	L1922929-17 Tissue 03-MAY-17 POL-RB-1 LIVER	L1922929-18 Tissue 03-MAY-17 POL-RB-2 LIVER	L1922929-19 Tissue 03-MAY-17 POL-RB-3 LIVER	L1922929-20 Tissue 03-MAY-17 POL-RB-4 LIVER
Grouping	Analyte						
TISSUE							
Physical Tests	% Moisture (%)	79.0	78.0	76.7	79.2	76.2	
Metals	Aluminum (Al)-Total (mg/kg)	<2.0	<5.0	<5.0	<5.0	<5.0	
	Antimony (Sb)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	
	Arsenic (As)-Total (mg/kg)	0.045	0.063	0.071	0.112	0.042	
	Barium (Ba)-Total (mg/kg)	0.229	0.051	0.097	0.055	<0.050	
	Beryllium (Be)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	
	Bismuth (Bi)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	
	Boron (B)-Total (mg/kg)	<1.0	<1.0	<1.0	<1.0	<1.0	
	Cadmium (Cd)-Total (mg/kg)	<0.0050	0.107	0.098	0.104	0.098	
	Calcium (Ca)-Total (mg/kg)	1970	304	285	356	409	
	Cesium (Cs)-Total (mg/kg)	0.0451	0.0564	0.0465	0.0658	0.0305	
	Chromium (Cr)-Total (mg/kg)	<0.050	<0.20	<0.20	<0.20	<0.20	
	Cobalt (Co)-Total (mg/kg)	0.124	0.125	0.090	0.150	0.112	
	Copper (Cu)-Total (mg/kg)	15.6	73.7	110	46.0	294	
	Iron (Fe)-Total (mg/kg)	73.1	1590	1720	2240	2230	
	Lead (Pb)-Total (mg/kg)	<0.020	<0.050	<0.050	<0.050	<0.050	
	Lithium (Li)-Total (mg/kg)	<0.50	<0.50	<0.50	<0.50	<0.50	
	Magnesium (Mg)-Total (mg/kg)	2680	655	639	652	663	
	Manganese (Mn)-Total (mg/kg)	5.76	4.63	10.3	4.36	6.46	
	Mercury (Hg)-Total (mg/kg)	0.0170	0.244	0.177	0.242	0.255	
	Molybdenum (Mo)-Total (mg/kg)	0.105	1.15	0.988	1.05	1.24	
	Nickel (Ni)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20	
	Phosphorus (P)-Total (mg/kg)	22800	12300	12900	12800	14400	
	Potassium (K)-Total (mg/kg)	16300	13200	13600	11800	11800	
	Rubidium (Rb)-Total (mg/kg)	6.94	5.73	6.66	8.46	5.63	
	Selenium (Se)-Total (mg/kg)	16.7	24.5	43.1	15.0	65.9	
	Sodium (Na)-Total (mg/kg)	4140	7050	5520	8230	7240	
	Strontium (Sr)-Total (mg/kg)	6.35	0.43	0.46	0.53	0.66	
	Tellurium (Te)-Total (mg/kg)	<0.020	<0.020	<0.020	<0.020	<0.020	
	Thallium (Tl)-Total (mg/kg)	<0.0020	0.0192	0.0503	0.0342	0.0445	
	Tin (Sn)-Total (mg/kg)	<0.10	0.29	0.46	0.44	0.16	
	Uranium (U)-Total (mg/kg)	<0.0020	0.0094	0.0031	0.0029	0.0100	
	Vanadium (V)-Total (mg/kg)	<0.10	0.37	0.47	0.38	1.29	
	Zinc (Zn)-Total (mg/kg)	118	130	123	111	153	
	Zirconium (Zr)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20	

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1922929-21	L1922929-22	L1922929-23	L1922929-24	L1922929-25
		Description	Tissue	Tissue	Tissue	Tissue	Tissue
		Sampled Date	03-MAY-17	03-MAY-17	03-MAY-17	03-MAY-17	02-MAY-17
		Sampled Time					
		Client ID	POL-RB-5 LIVER	POL-RB-6 LIVER	POL-RB-7 LIVER	POL-RB-8 LIVER	BOL-RBT-01 MUSCLE
Grouping	Analyte						
TISSUE							
Physical Tests	% Moisture (%)	62.6	78.0	77.6	78.7	78.2	
Metals	Aluminum (Al)-Total (mg/kg)	<2.0	<5.0	<5.0	6.6	31.6	
	Antimony (Sb)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	
	Arsenic (As)-Total (mg/kg)	0.073	0.061	0.085	0.058	0.043	
	Barium (Ba)-Total (mg/kg)	<0.050	<0.050	0.054	<0.050	0.580	
	Beryllium (Be)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	
	Bismuth (Bi)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	
	Boron (B)-Total (mg/kg)	<1.0	<1.0	<1.0	<1.0	<1.0	
	Cadmium (Cd)-Total (mg/kg)	0.0454	0.088	0.091	0.073	<0.010	
	Calcium (Ca)-Total (mg/kg)	190	315	343	363	925	
	Cesium (Cs)-Total (mg/kg)	0.0502	0.0572	0.0847	0.0530	0.0518	
	Chromium (Cr)-Total (mg/kg)	<0.050	<0.20	0.23	<0.20	0.32	
	Cobalt (Co)-Total (mg/kg)	0.043	0.150	0.151	0.140	0.038	
	Copper (Cu)-Total (mg/kg)	9.66	63.9	55.8	76.6	3.33	
	Iron (Fe)-Total (mg/kg)	948	1340	1600	1410	97.1	
	Lead (Pb)-Total (mg/kg)	<0.020	<0.050	<0.050	<0.050	0.222	
	Lithium (Li)-Total (mg/kg)	<0.50	<0.50	<0.50	<0.50	<0.50	
	Magnesium (Mg)-Total (mg/kg)	518	703	631	663	1060	
	Manganese (Mn)-Total (mg/kg)	2.85	4.92	5.91	6.17	2.71	
	Mercury (Hg)-Total (mg/kg)	0.165	0.221	0.177	0.350	0.356	
	Molybdenum (Mo)-Total (mg/kg)	0.411	0.893	1.02	1.21	<0.040	
	Nickel (Ni)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20	
	Phosphorus (P)-Total (mg/kg)	10200	13600	13300	13300	11000	
	Potassium (K)-Total (mg/kg)	10300	13700	11300	13100	17600	
	Rubidium (Rb)-Total (mg/kg)	6.39	7.40	8.20	6.72	8.50	
	Selenium (Se)-Total (mg/kg)	6.75	22.0	21.1	23.2	2.52	
	Sodium (Na)-Total (mg/kg)	3680	7270	6790	7630	1920	
	Strontium (Sr)-Total (mg/kg)	0.393	0.49	0.62	0.64	1.44	
	Tellurium (Te)-Total (mg/kg)	<0.020	<0.020	<0.020	<0.020	<0.020	
	Thallium (Tl)-Total (mg/kg)	0.0228	0.0457	0.0386	0.0275	0.0077	
	Tin (Sn)-Total (mg/kg)	0.31	0.32	0.35	0.27	<0.10	
	Uranium (U)-Total (mg/kg)	<0.0020	0.0024	0.0071	0.0038	0.0020	
	Vanadium (V)-Total (mg/kg)	0.13	0.40	0.51	0.59	0.29	
	Zinc (Zn)-Total (mg/kg)	69.8	126	128	139	20.6	
	Zirconium (Zr)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20	

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1922929-27	L1922929-28	L1922929-29	L1922929-30	L1922929-31
		Description	Tissue	Tissue	Tissue	Tissue	Tissue
		Sampled Date	02-MAY-17	02-MAY-17	02-MAY-17	02-MAY-17	02-MAY-17
		Sampled Time					
		Client ID	BOL-RB-3 MUSCLE	BOL-RB-4 MUSCLE	BOL-RB-5 MUSCLE	BOL-RB-6 MUSCLE	BOL-RB-7 MUSCLE
Grouping	Analyte						
TISSUE							
Physical Tests	% Moisture (%)		77.1	75.5	75.9	77.7	76.7
Metals	Aluminum (Al)-Total (mg/kg)		14.6	19.5	37.6	12.2	5.8
	Antimony (Sb)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Arsenic (As)-Total (mg/kg)		0.041	0.047	0.075	0.048	0.055
	Barium (Ba)-Total (mg/kg)		0.452	0.310	0.733	0.569	0.181
	Beryllium (Be)-Total (mg/kg)		<0.010	<0.010	0.023	<0.010	<0.010
	Bismuth (Bi)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Boron (B)-Total (mg/kg)		<1.0	<1.0	<1.0	<1.0	<1.0
	Cadmium (Cd)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.0050	<0.010
	Calcium (Ca)-Total (mg/kg)		1150	706	2330	1240	1440
	Cesium (Cs)-Total (mg/kg)		0.0568	0.0536	0.0601	0.0566	0.0634
	Chromium (Cr)-Total (mg/kg)		<0.20	<0.20	0.24	0.078	<0.20
	Cobalt (Co)-Total (mg/kg)		0.022	0.044	0.075	0.020	<0.020
	Copper (Cu)-Total (mg/kg)		1.97	2.42	3.06	3.99	1.61
	Iron (Fe)-Total (mg/kg)		71.9	63.3	142	55.3	44.8
	Lead (Pb)-Total (mg/kg)		0.106	0.110	0.131	0.081	<0.050
	Lithium (Li)-Total (mg/kg)		<0.50	<0.50	<0.50	<0.50	<0.50
	Magnesium (Mg)-Total (mg/kg)		1070	1070	1110	1390	1030
	Manganese (Mn)-Total (mg/kg)		1.51	1.98	4.60	1.65	1.05
	Mercury (Hg)-Total (mg/kg)		0.321	0.328	0.346	0.372	0.464
	Molybdenum (Mo)-Total (mg/kg)		<0.040	<0.040	<0.040	<0.020	<0.040
	Nickel (Ni)-Total (mg/kg)		<0.20	<0.20	<0.20	<0.20	<0.20
	Phosphorus (P)-Total (mg/kg)		10400	9760	10200	13300	10400
	Potassium (K)-Total (mg/kg)		19500	17700	18100	21900	18900
	Rubidium (Rb)-Total (mg/kg)		10.5	7.16	9.88	9.52	9.75
	Selenium (Se)-Total (mg/kg)		2.26	1.82	2.12	2.28	2.08
	Sodium (Na)-Total (mg/kg)		1580	1360	1720	1750	1440
	Strontium (Sr)-Total (mg/kg)		1.30	0.95	3.04	2.09	1.65
	Tellurium (Te)-Total (mg/kg)		<0.020	<0.020	<0.020	<0.020	<0.020
	Thallium (Tl)-Total (mg/kg)		0.0078	0.0079	0.0116	0.0121	0.0115
	Tin (Sn)-Total (mg/kg)		0.16	0.15	0.21	0.17	0.14
	Uranium (U)-Total (mg/kg)		<0.0020	<0.0020	0.0030	<0.0020	<0.0020
	Vanadium (V)-Total (mg/kg)		0.28	0.12	0.39	<0.10	<0.10
	Zinc (Zn)-Total (mg/kg)		13.2	17.7	15.7	18.9	17.4
	Zirconium (Zr)-Total (mg/kg)		<0.20	<0.20	<0.20	<0.20	<0.20

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID Description Sampled Date Sampled Time Client ID	L1922929-32 Tissue 02-MAY-17 BOL-RB-8 MUSCLE	L1922929-33 Tissue 02-MAY-17 BOL-RB-1 OVARY	L1922929-34 Tissue 02-MAY-17 BOL-RB-2 OVARY	L1922929-35 Tissue 02-MAY-17 BOL-RB-3 OVARY	L1922929-36 Tissue 02-MAY-17 BOL-RB-4 OVARY
Grouping	Analyte						
TISSUE							
Physical Tests	% Moisture (%)	76.1	63.8	64.8	58.0	60.3	
Metals	Aluminum (Al)-Total (mg/kg)	5.6	<2.0	2.2	<2.0	<2.0	
	Antimony (Sb)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	
	Arsenic (As)-Total (mg/kg)	0.050	0.029	0.021	0.216	0.035	
	Barium (Ba)-Total (mg/kg)	0.135	0.857	0.902	0.120	1.01	
	Beryllium (Be)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	
	Bismuth (Bi)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	
	Boron (B)-Total (mg/kg)	<1.0	<1.0	<1.0	<1.0	<1.0	
	Cadmium (Cd)-Total (mg/kg)	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	
	Calcium (Ca)-Total (mg/kg)	832	1370	1270	214	1100	
	Cesium (Cs)-Total (mg/kg)	0.0654	0.0093	0.0120	0.0741	0.0143	
	Chromium (Cr)-Total (mg/kg)	<0.20	<0.050	<0.050	<0.050	<0.050	
	Cobalt (Co)-Total (mg/kg)	<0.020	0.073	0.058	<0.020	0.082	
	Copper (Cu)-Total (mg/kg)	1.92	8.76	10.3	1.86	11.4	
	Iron (Fe)-Total (mg/kg)	32.1	68.9	45.0	21.0	65.2	
	Lead (Pb)-Total (mg/kg)	<0.050	<0.020	<0.020	<0.020	<0.020	
	Lithium (Li)-Total (mg/kg)	<0.50	<0.50	<0.50	<0.50	<0.50	
	Magnesium (Mg)-Total (mg/kg)	983	1630	1640	680	1590	
	Manganese (Mn)-Total (mg/kg)	1.01	6.31	6.65	0.515	5.41	
	Mercury (Hg)-Total (mg/kg)	0.249	0.0105	<0.0050	0.222	0.0135	
	Molybdenum (Mo)-Total (mg/kg)	<0.040	0.041	0.072	<0.020	0.056	
	Nickel (Ni)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20	
	Phosphorus (P)-Total (mg/kg)	10100	12500	12100	6040	12300	
	Potassium (K)-Total (mg/kg)	18300	7690	7060	10200	6600	
	Rubidium (Rb)-Total (mg/kg)	11.8	3.33	3.43	6.33	2.88	
	Selenium (Se)-Total (mg/kg)	1.91	4.63	4.26	3.12	4.30	
	Sodium (Na)-Total (mg/kg)	1230	2620	3410	860	2100	
	Strontium (Sr)-Total (mg/kg)	1.06	3.77	3.59	0.247	3.91	
	Tellurium (Te)-Total (mg/kg)	<0.020	<0.020	<0.020	<0.020	<0.020	
	Thallium (Tl)-Total (mg/kg)	0.0115	<0.0020	<0.0020	<0.0020	0.0021	
	Tin (Sn)-Total (mg/kg)	0.23	<0.10	<0.10	<0.10	<0.10	
	Uranium (U)-Total (mg/kg)	<0.0020	<0.0020	<0.0020	<0.0020	0.0023	
	Vanadium (V)-Total (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10	
	Zinc (Zn)-Total (mg/kg)	17.4	75.0	63.5	26.5	77.4	
	Zirconium (Zr)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20	

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1922929-37	L1922929-38	L1922929-39	L1922929-40	L1922929-41
		Description	Tissue	Tissue	Tissue	Tissue	Tissue
		Sampled Date	02-MAY-17	02-MAY-17	02-MAY-17	02-MAY-17	02-MAY-17
		Sampled Time					
		Client ID	BOL-RB-5 OVARY	BOL-RB-6 OVARY	BOL-RB-7 OVARY	BOL-RB-8 OVARY	BOL-RB-1 LIVER
Grouping	Analyte						
TISSUE							
Physical Tests	% Moisture (%)		76.2	62.0	63.3	59.9	72.8
Metals	Aluminum (Al)-Total (mg/kg)		3.5	<2.0	<2.0	<2.0	5.6
	Antimony (Sb)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Arsenic (As)-Total (mg/kg)		0.055	0.023	0.056	0.028	0.071
	Barium (Ba)-Total (mg/kg)		0.761	0.554	0.492	0.605	0.121
	Beryllium (Be)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Bismuth (Bi)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Boron (B)-Total (mg/kg)		<1.0	<1.0	<1.0	<1.0	<1.0
	Cadmium (Cd)-Total (mg/kg)		<0.0050	<0.0050	<0.0050	<0.0050	0.262
	Calcium (Ca)-Total (mg/kg)		1650	1140	1250	1140	239
	Cesium (Cs)-Total (mg/kg)		0.0241	0.0142	0.0124	0.0163	0.0245
	Chromium (Cr)-Total (mg/kg)		<0.050	<0.050	<0.050	<0.050	0.27
	Cobalt (Co)-Total (mg/kg)		0.124	0.055	0.084	0.073	0.073
	Copper (Cu)-Total (mg/kg)		15.4	11.7	12.9	10.4	444
	Iron (Fe)-Total (mg/kg)		98.8	47.8	74.6	54.9	3170
	Lead (Pb)-Total (mg/kg)		<0.020	<0.020	<0.020	<0.020	<0.050
	Lithium (Li)-Total (mg/kg)		<0.50	<0.50	<0.50	<0.50	<0.50
	Magnesium (Mg)-Total (mg/kg)		2530	1500	1780	1440	777
	Manganese (Mn)-Total (mg/kg)		8.24	3.06	4.25	4.89	8.88
	Mercury (Hg)-Total (mg/kg)		0.0172	0.0108	0.0245	0.0093	0.338
	Molybdenum (Mo)-Total (mg/kg)		0.043	0.027	0.042	0.041	1.70
	Nickel (Ni)-Total (mg/kg)		<0.20	<0.20	<0.20	<0.20	<0.20
	Phosphorus (P)-Total (mg/kg)		17700	11600	12500	11200	15400
	Potassium (K)-Total (mg/kg)		11600	6370	6770	5710	13300
	Rubidium (Rb)-Total (mg/kg)		7.26	3.38	4.32	4.45	5.61
	Selenium (Se)-Total (mg/kg)		6.60	4.15	5.00	4.11	30.9
	Sodium (Na)-Total (mg/kg)		3570	2320	2830	1800	2580
	Strontium (Sr)-Total (mg/kg)		5.30	3.80	3.96	4.44	0.34
	Tellurium (Te)-Total (mg/kg)		<0.020	<0.020	<0.020	<0.020	<0.020
	Thallium (Tl)-Total (mg/kg)		0.0030	<0.0020	<0.0020	<0.0020	0.190
	Tin (Sn)-Total (mg/kg)		<0.10	<0.10	<0.10	<0.10	0.18
	Uranium (U)-Total (mg/kg)		<0.0020	<0.0020	<0.0020	<0.0020	0.0134
	Vanadium (V)-Total (mg/kg)		<0.10	<0.10	<0.10	<0.10	0.91
	Zinc (Zn)-Total (mg/kg)		131	74.6	87.2	75.1	193
	Zirconium (Zr)-Total (mg/kg)		<0.20	<0.20	<0.20	<0.20	<0.20

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1922929-42	L1922929-43	L1922929-44	L1922929-45	L1922929-46
		Description	Tissue	Tissue	Tissue	Tissue	Tissue
		Sampled Date	02-MAY-17	02-MAY-17	02-MAY-17	02-MAY-17	02-MAY-17
		Sampled Time					
		Client ID	BOL-RB-2 LIVER	BOL-RB-3 LIVER	BOL-RB-4 LIVER	BOL-RB-5 LIVER	BOL-RB-6 LIVER
Grouping	Analyte						
TISSUE							
Physical Tests	% Moisture (%)	77.0	76.7	77.9	79.5	79.1	
Metals	Aluminum (Al)-Total (mg/kg)	8.8	6.7	6.8	5.0	8.2	
	Antimony (Sb)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	
	Arsenic (As)-Total (mg/kg)	0.040	0.061	0.072	0.084	0.067	
	Barium (Ba)-Total (mg/kg)	0.688	0.160	0.157	0.121	0.236	
	Beryllium (Be)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	
	Bismuth (Bi)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	
	Boron (B)-Total (mg/kg)	<1.0	<1.0	<1.0	<1.0	<1.0	
	Cadmium (Cd)-Total (mg/kg)	0.183	0.191	0.178	0.059	0.213	
	Calcium (Ca)-Total (mg/kg)	257	225	372	357	293	
	Cesium (Cs)-Total (mg/kg)	0.0429	0.0375	0.0487	0.0420	0.0463	
	Chromium (Cr)-Total (mg/kg)	<0.20	<0.20	<0.050	<0.20	<0.20	
	Cobalt (Co)-Total (mg/kg)	0.075	0.074	0.083	0.121	0.090	
	Copper (Cu)-Total (mg/kg)	112	25.0	43.1	35.0	149	
	Iron (Fe)-Total (mg/kg)	1190	1490	1320	1370	1730	
	Lead (Pb)-Total (mg/kg)	<0.050	0.053	0.033	0.056	0.097	
	Lithium (Li)-Total (mg/kg)	<0.50	<0.50	<0.50	<0.50	<0.50	
	Magnesium (Mg)-Total (mg/kg)	685	746	1120	770	689	
	Manganese (Mn)-Total (mg/kg)	9.94	8.47	12.4	7.47	6.06	
	Mercury (Hg)-Total (mg/kg)	0.387	0.315	0.228	0.371	0.357	
	Molybdenum (Mo)-Total (mg/kg)	0.816	0.960	0.783	0.846	1.49	
	Nickel (Ni)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20	
	Phosphorus (P)-Total (mg/kg)	14600	15500	21200	15500	13400	
	Potassium (K)-Total (mg/kg)	12400	13200	19900	13600	13600	
	Rubidium (Rb)-Total (mg/kg)	7.59	9.62	13.0	9.07	7.13	
	Selenium (Se)-Total (mg/kg)	16.4	6.90	8.92	9.58	28.5	
	Sodium (Na)-Total (mg/kg)	4100	3610	3930	6200	6350	
	Strontium (Sr)-Total (mg/kg)	0.48	0.46	0.596	0.70	0.60	
	Tellurium (Te)-Total (mg/kg)	<0.020	<0.020	<0.020	<0.020	<0.020	
	Thallium (Tl)-Total (mg/kg)	0.165	0.133	0.210	0.192	0.257	
	Tin (Sn)-Total (mg/kg)	0.76	0.41	0.25	0.30	0.39	
	Uranium (U)-Total (mg/kg)	0.0079	0.0043	0.0066	<0.0020	0.0060	
	Vanadium (V)-Total (mg/kg)	0.20	0.20	0.30	0.15	0.33	
	Zinc (Zn)-Total (mg/kg)	131	119	133	159	112	
	Zirconium (Zr)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20	

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID Description Sampled Date Sampled Time Client ID	L1922929-47 Tissue 02-MAY-17 BOL-RB-7 LIVER	L1922929-48 Tissue 02-MAY-17 BOL-RB-8 LIVER	L1922929-49 Tissue 03-MAY-17 POL-LSU-1 MUSCLE	L1922929-50 Tissue 03-MAY-17 POL-LSU-2 MUSCLE	L1922929-51 Tissue 03-MAY-17 POL-LSU-3 MUSCLE
Grouping	Analyte						
TISSUE							
Physical Tests	% Moisture (%)	72.1	74.3	75.1	74.7	77.8	
Metals	Aluminum (Al)-Total (mg/kg)	<5.0	<5.0	2.8	2.3	2.1	
	Antimony (Sb)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	
	Arsenic (As)-Total (mg/kg)	0.084	0.056	0.196	0.258	0.182	
	Barium (Ba)-Total (mg/kg)	0.076	0.096	0.300	0.192	0.187	
	Beryllium (Be)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	
	Bismuth (Bi)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	
	Boron (B)-Total (mg/kg)	<1.0	<1.0	<1.0	<1.0	<1.0	
	Cadmium (Cd)-Total (mg/kg)	0.080	0.106	<0.0050	<0.0050	<0.0050	
	Calcium (Ca)-Total (mg/kg)	217	246	349	406	438	
	Cesium (Cs)-Total (mg/kg)	0.0407	0.0513	0.102	0.105	0.155	
	Chromium (Cr)-Total (mg/kg)	<0.20	<0.20	<0.050	<0.050	<0.050	
	Cobalt (Co)-Total (mg/kg)	0.072	0.065	<0.020	<0.020	<0.020	
	Copper (Cu)-Total (mg/kg)	19.5	130	2.77	3.09	2.51	
	Iron (Fe)-Total (mg/kg)	1300	500	51.5	52.7	29.4	
	Lead (Pb)-Total (mg/kg)	<0.050	<0.050	<0.020	<0.020	<0.020	
	Lithium (Li)-Total (mg/kg)	<0.50	<0.50	<0.50	<0.50	<0.50	
	Magnesium (Mg)-Total (mg/kg)	760	874	903	1050	1200	
	Manganese (Mn)-Total (mg/kg)	9.02	9.69	0.932	1.09	1.04	
	Mercury (Hg)-Total (mg/kg)	0.355	0.216	0.280	0.304	0.423	
	Molybdenum (Mo)-Total (mg/kg)	0.739	0.688	<0.020	0.021	0.035	
	Nickel (Ni)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20	
	Phosphorus (P)-Total (mg/kg)	14800	17500	9160	9500	10200	
	Potassium (K)-Total (mg/kg)	13000	13200	15900	15600	17200	
	Rubidium (Rb)-Total (mg/kg)	9.97	11.4	8.11	10.3	11.3	
	Selenium (Se)-Total (mg/kg)	6.84	21.2	7.11	6.70	7.44	
	Sodium (Na)-Total (mg/kg)	2070	3130	1740	1550	2000	
	Strontium (Sr)-Total (mg/kg)	0.31	0.42	0.352	0.427	0.344	
	Tellurium (Te)-Total (mg/kg)	<0.020	<0.020	<0.020	<0.020	<0.020	
	Thallium (Tl)-Total (mg/kg)	0.361	0.193	<0.0020	<0.0020	<0.0020	
	Tin (Sn)-Total (mg/kg)	0.39	0.12	0.12	0.14	0.13	
	Uranium (U)-Total (mg/kg)	0.0052	<0.0020	<0.0020	<0.0020	<0.0020	
	Vanadium (V)-Total (mg/kg)	0.25	0.16	<0.10	<0.10	<0.10	
	Zinc (Zn)-Total (mg/kg)	91.6	96.2	58.1	52.7	48.1	
	Zirconium (Zr)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20	

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1922929-52	L1922929-53	L1922929-54	L1922929-55	L1922929-56
		Description	Tissue	Tissue	Tissue	Tissue	Tissue
		Sampled Date	03-MAY-17	03-MAY-17	03-MAY-17	03-MAY-17	03-MAY-17
		Sampled Time					
		Client ID	POL-LSU-4 MUSCLE	POL-LSU-5 MUSCLE	POL-LSU-6 MUSCLE	POL-LSU-7 MUSCLE	POL-LSU-8 MUSCLE
Grouping	Analyte						
TISSUE							
Physical Tests	% Moisture (%)		66.0	76.8	73.6	77.4	78.0
Metals	Aluminum (Al)-Total (mg/kg)		<2.0	<2.0	2.4	<2.0	<2.0
	Antimony (Sb)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Arsenic (As)-Total (mg/kg)		0.093	0.141	0.135	0.424	0.234
	Barium (Ba)-Total (mg/kg)		0.222	0.244	0.196	0.237	0.138
	Beryllium (Be)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Bismuth (Bi)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Boron (B)-Total (mg/kg)		<1.0	<1.0	<1.0	<1.0	<1.0
	Cadmium (Cd)-Total (mg/kg)		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	Calcium (Ca)-Total (mg/kg)		256	502	286	372	488
	Cesium (Cs)-Total (mg/kg)		0.0686	0.206	0.0839	0.125	0.135
	Chromium (Cr)-Total (mg/kg)		<0.050	<0.050	<0.050	<0.050	<0.050
	Cobalt (Co)-Total (mg/kg)		<0.020	0.021	0.021	<0.020	<0.020
	Copper (Cu)-Total (mg/kg)		1.82	2.96	3.21	3.15	1.85
	Iron (Fe)-Total (mg/kg)		26.9	36.4	30.8	36.4	21.1
	Lead (Pb)-Total (mg/kg)		<0.020	<0.020	<0.020	<0.020	<0.020
	Lithium (Li)-Total (mg/kg)		<0.50	<0.50	<0.50	<0.50	<0.50
	Magnesium (Mg)-Total (mg/kg)		778	1340	1050	1080	1410
	Manganese (Mn)-Total (mg/kg)		0.568	1.19	0.971	0.874	1.01
	Mercury (Hg)-Total (mg/kg)		0.226	0.232	0.230	0.371	0.327
	Molybdenum (Mo)-Total (mg/kg)		<0.020	0.026	0.024	0.022	<0.020
	Nickel (Ni)-Total (mg/kg)		<0.20	<0.20	<0.20	<0.20	<0.20
	Phosphorus (P)-Total (mg/kg)		7220	11600	10200	10200	11600
	Potassium (K)-Total (mg/kg)		12500	20400	17400	17000	20200
	Rubidium (Rb)-Total (mg/kg)		7.57	15.5	8.34	11.5	15.1
	Selenium (Se)-Total (mg/kg)		4.77	6.93	7.45	5.47	7.21
	Sodium (Na)-Total (mg/kg)		1220	1870	1700	1430	1750
	Strontium (Sr)-Total (mg/kg)		0.236	0.587	0.291	0.376	0.330
	Tellurium (Te)-Total (mg/kg)		<0.020	<0.020	<0.020	<0.020	<0.020
	Thallium (Tl)-Total (mg/kg)		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Tin (Sn)-Total (mg/kg)		0.16	0.23	0.28	0.16	0.10
	Uranium (U)-Total (mg/kg)		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Vanadium (V)-Total (mg/kg)		<0.10	<0.10	<0.10	<0.10	<0.10
	Zinc (Zn)-Total (mg/kg)		37.3	36.9	46.8	51.3	34.7
	Zirconium (Zr)-Total (mg/kg)		<0.20	<0.20	<0.20	<0.20	<0.20

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1922929-57	L1922929-58	L1922929-59	L1922929-60	L1922929-61
		Description	Tissue	Tissue	Tissue	Tissue	Tissue
		Sampled Date	03-MAY-17	03-MAY-17	03-MAY-17	03-MAY-17	03-MAY-17
		Sampled Time					
		Client ID	POL-LSU-1 OVARY	POL-LSU-2 OVARY	POL-LSU-3 OVARY	POL-LSU-4 OVARY	POL-LSU-5 OVARY
Grouping	Analyte						
TISSUE							
Physical Tests	% Moisture (%)	64.9	63.5	64.1	63.0	64.6	
Metals	Aluminum (Al)-Total (mg/kg)	<2.0	<2.0	<2.0	<2.0	<2.0	
	Antimony (Sb)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	
	Arsenic (As)-Total (mg/kg)	0.048	0.116	0.065	0.079	0.091	
	Barium (Ba)-Total (mg/kg)	0.105	0.164	0.054	0.066	0.096	
	Beryllium (Be)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	
	Bismuth (Bi)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	
	Boron (B)-Total (mg/kg)	<1.0	<1.0	<1.0	<1.0	<1.0	
	Cadmium (Cd)-Total (mg/kg)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
	Calcium (Ca)-Total (mg/kg)	540	508	213	478	564	
	Cesium (Cs)-Total (mg/kg)	0.0145	0.0155	0.0119	0.0192	0.0296	
	Chromium (Cr)-Total (mg/kg)	<0.050	<0.050	<0.050	<0.050	<0.050	
	Cobalt (Co)-Total (mg/kg)	0.078	0.083	0.042	0.062	0.074	
	Copper (Cu)-Total (mg/kg)	3.92	4.01	2.42	3.50	3.28	
	Iron (Fe)-Total (mg/kg)	38.0	40.6	24.9	38.4	40.5	
	Lead (Pb)-Total (mg/kg)	<0.020	<0.020	<0.020	<0.020	<0.020	
	Lithium (Li)-Total (mg/kg)	<0.50	<0.50	<0.50	<0.50	<0.50	
	Magnesium (Mg)-Total (mg/kg)	750	700	498	775	785	
	Manganese (Mn)-Total (mg/kg)	25.7	14.2	9.25	16.8	23.2	
	Mercury (Hg)-Total (mg/kg)	0.0097	0.0091	0.0056	0.0074	0.0110	
	Molybdenum (Mo)-Total (mg/kg)	0.075	0.069	0.067	0.071	0.080	
	Nickel (Ni)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20	
	Phosphorus (P)-Total (mg/kg)	11500	11300	7620	11300	12500	
	Potassium (K)-Total (mg/kg)	6370	6080	4050	5390	6850	
	Rubidium (Rb)-Total (mg/kg)	4.10	4.62	3.15	4.31	6.81	
	Selenium (Se)-Total (mg/kg)	9.11	10.0	5.59	7.98	8.43	
	Sodium (Na)-Total (mg/kg)	1660	1540	1490	1410	1550	
	Strontium (Sr)-Total (mg/kg)	0.540	0.612	0.208	0.459	0.641	
	Tellurium (Te)-Total (mg/kg)	<0.020	<0.020	<0.020	<0.020	<0.020	
	Thallium (Tl)-Total (mg/kg)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	
	Tin (Sn)-Total (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10	
	Uranium (U)-Total (mg/kg)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	
	Vanadium (V)-Total (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10	
	Zinc (Zn)-Total (mg/kg)	89.3	93.4	62.5	81.3	86.8	
	Zirconium (Zr)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20	

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1922929-62	L1922929-63	L1922929-64	L1922929-65	L1922929-66
		Description	Tissue	Tissue	Tissue	Tissue	Tissue
		Sampled Date	03-MAY-17	03-MAY-17	03-MAY-17	03-MAY-17	03-MAY-17
		Sampled Time					
		Client ID	POL-LSU-6 OVARY	POL-LSU-7 OVARY	POL-LSU-8 OVARY	POL-LSU-1 LIVER	POL-LSU-2 LIVER
Grouping	Analyte						
TISSUE							
Physical Tests	% Moisture (%)		63.0	64.4	62.5	79.9	77.8
Metals	Aluminum (Al)-Total (mg/kg)		<2.0	<2.0	<2.0	64.3	3.2
	Antimony (Sb)-Total (mg/kg)		<0.010	<0.010	<0.010	0.013	0.018
	Arsenic (As)-Total (mg/kg)		0.072	0.140	0.077	0.185	0.271
	Barium (Ba)-Total (mg/kg)		0.150	0.126	0.099	0.785	0.087
	Beryllium (Be)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Bismuth (Bi)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Boron (B)-Total (mg/kg)		<1.0	<1.0	<1.0	<1.0	<1.0
	Cadmium (Cd)-Total (mg/kg)		<0.0050	<0.0050	<0.0050	0.144	0.130
	Calcium (Ca)-Total (mg/kg)		522	473	443	284	238
	Cesium (Cs)-Total (mg/kg)		0.0149	0.0178	0.0190	0.0298	0.0342
	Chromium (Cr)-Total (mg/kg)		<0.050	<0.050	<0.050	0.090	<0.050
	Cobalt (Co)-Total (mg/kg)		0.075	0.071	0.077	0.113	0.081
	Copper (Cu)-Total (mg/kg)		3.78	3.20	3.70	19.3	24.7
	Iron (Fe)-Total (mg/kg)		35.4	35.0	34.6	343	266
	Lead (Pb)-Total (mg/kg)		<0.020	<0.020	<0.020	0.031	0.047
	Lithium (Li)-Total (mg/kg)		<0.50	<0.50	<0.50	<0.50	<0.50
	Magnesium (Mg)-Total (mg/kg)		647	814	635	1290	1110
	Manganese (Mn)-Total (mg/kg)		14.5	12.2	18.0	20.3	11.0
	Mercury (Hg)-Total (mg/kg)		0.0066	0.0106	0.0076	0.0800	0.0959
	Molybdenum (Mo)-Total (mg/kg)		0.069	0.076	0.059	1.18	1.40
	Nickel (Ni)-Total (mg/kg)		<0.20	<0.20	<0.20	<0.20	<0.20
	Phosphorus (P)-Total (mg/kg)		12000	11000	11800	19700	17900
	Potassium (K)-Total (mg/kg)		6230	6110	5700	17000	13800
	Rubidium (Rb)-Total (mg/kg)		3.99	4.77	5.55	11.6	11.3
	Selenium (Se)-Total (mg/kg)		10.7	8.14	9.22	14.5	12.8
	Sodium (Na)-Total (mg/kg)		1770	1720	1550	4990	4570
	Strontium (Sr)-Total (mg/kg)		0.571	0.530	0.407	1.24	0.630
	Tellurium (Te)-Total (mg/kg)		<0.020	<0.020	<0.020	<0.020	<0.020
	Thallium (Tl)-Total (mg/kg)		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Tin (Sn)-Total (mg/kg)		<0.10	<0.10	<0.10	0.18	0.21
	Uranium (U)-Total (mg/kg)		<0.0020	<0.0020	<0.0020	0.0037	<0.0020
	Vanadium (V)-Total (mg/kg)		<0.10	<0.10	<0.10	0.72	0.38
	Zinc (Zn)-Total (mg/kg)		87.4	81.5	89.5	105	113
	Zirconium (Zr)-Total (mg/kg)		<0.20	<0.20	<0.20	<0.20	<0.20

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1922929-67	L1922929-68	L1922929-69	L1922929-70	L1922929-71
		Description	Tissue	Tissue	Tissue	Tissue	Tissue
		Sampled Date	03-MAY-17	03-MAY-17	03-MAY-17	03-MAY-17	03-MAY-17
		Sampled Time					
		Client ID	POL-LSU-3 LIVER	POL-LSU-4 LIVER	POL-LSU-5 LIVER	POL-LSU-6 LIVER	POL-LSU-7 LIVER
Grouping	Analyte						
TISSUE							
Physical Tests	% Moisture (%)	79.0	78.5	80.3	80.6	78.1	
Metals	Aluminum (Al)-Total (mg/kg)	4.3	<2.0	<2.0	2.2	<2.0	
	Antimony (Sb)-Total (mg/kg)	<0.010	<0.010	0.012	<0.010	<0.010	
	Arsenic (As)-Total (mg/kg)	0.214	0.153	0.161	0.216	0.232	
	Barium (Ba)-Total (mg/kg)	0.107	0.093	<0.050	0.086	0.082	
	Beryllium (Be)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	
	Bismuth (Bi)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	
	Boron (B)-Total (mg/kg)	<1.0	<1.0	<1.0	<1.0	<1.0	
	Cadmium (Cd)-Total (mg/kg)	0.203	0.0836	0.148	0.229	0.169	
	Calcium (Ca)-Total (mg/kg)	261	185	179	205	172	
	Cesium (Cs)-Total (mg/kg)	0.0407	0.0384	0.0552	0.0292	0.0201	
	Chromium (Cr)-Total (mg/kg)	<0.050	0.290	<0.050	<0.050	<0.050	
	Cobalt (Co)-Total (mg/kg)	0.106	0.095	0.105	0.084	0.067	
	Copper (Cu)-Total (mg/kg)	36.4	27.9	17.6	26.9	12.9	
	Iron (Fe)-Total (mg/kg)	245	265	273	237	201	
	Lead (Pb)-Total (mg/kg)	<0.020	<0.020	<0.020	<0.020	<0.020	
	Lithium (Li)-Total (mg/kg)	<0.50	<0.50	<0.50	<0.50	<0.50	
	Magnesium (Mg)-Total (mg/kg)	1410	1190	1240	1150	1180	
	Manganese (Mn)-Total (mg/kg)	14.6	11.0	13.4	12.7	14.4	
	Mercury (Hg)-Total (mg/kg)	0.114	0.0821	0.0803	0.0869	0.106	
	Molybdenum (Mo)-Total (mg/kg)	1.42	0.933	1.43	1.58	1.19	
	Nickel (Ni)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20	
	Phosphorus (P)-Total (mg/kg)	22200	19500	20300	19200	18200	
	Potassium (K)-Total (mg/kg)	18500	16600	15900	16400	17000	
	Rubidium (Rb)-Total (mg/kg)	14.0	13.0	18.2	9.87	13.7	
	Selenium (Se)-Total (mg/kg)	12.6	15.2	10.9	14.9	11.5	
	Sodium (Na)-Total (mg/kg)	6740	4880	4450	5480	4580	
	Strontium (Sr)-Total (mg/kg)	0.689	0.430	0.429	0.621	0.634	
	Tellurium (Te)-Total (mg/kg)	<0.020	<0.020	<0.020	<0.020	<0.020	
	Thallium (Tl)-Total (mg/kg)	<0.0020	<0.0020	0.0020	<0.0020	<0.0020	
	Tin (Sn)-Total (mg/kg)	0.40	0.17	0.15	0.36	0.22	
	Uranium (U)-Total (mg/kg)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	
	Vanadium (V)-Total (mg/kg)	0.32	0.25	0.18	0.24	0.41	
	Zinc (Zn)-Total (mg/kg)	126	114	93.0	115	85.3	
	Zirconium (Zr)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20	

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1922929-72	L1922929-73	L1922929-74	L1922929-75	L1922929-76
		Description	Tissue	Tissue	Tissue	Tissue	Tissue
		Sampled Date	03-MAY-17	02-MAY-17	02-MAY-17	02-MAY-17	03-MAY-17
		Sampled Time					
		Client ID	POL-LSU-8 LIVER	BOL-LSU-1 MUSCLE	BOL-LSU-2 MUSCLE	BOL-LSU-3 MUSCLE	BOL-LSU-4 MUSCLE
Grouping	Analyte						
TISSUE							
Physical Tests	% Moisture (%)		78.0	77.3	76.4	75.5	79.3
Metals	Aluminum (Al)-Total (mg/kg)		<2.0	4.0	3.2	2.1	2.4
	Antimony (Sb)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Arsenic (As)-Total (mg/kg)		0.157	0.104	0.029	0.073	0.104
	Barium (Ba)-Total (mg/kg)		0.056	0.308	0.363	0.171	0.452
	Beryllium (Be)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Bismuth (Bi)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	0.030
	Boron (B)-Total (mg/kg)		<1.0	<1.0	<1.0	<1.0	<1.0
	Cadmium (Cd)-Total (mg/kg)		0.142	<0.0050	<0.0050	<0.0050	<0.0050
	Calcium (Ca)-Total (mg/kg)		168	706	619	481	952
	Cesium (Cs)-Total (mg/kg)		0.0301	0.140	0.0666	0.100	0.150
	Chromium (Cr)-Total (mg/kg)		<0.050	<0.050	<0.050	<0.050	<0.050
	Cobalt (Co)-Total (mg/kg)		0.082	<0.020	<0.020	<0.020	<0.020
	Copper (Cu)-Total (mg/kg)		39.5	2.32	2.37	1.59	1.86
	Iron (Fe)-Total (mg/kg)		215	27.8	38.3	23.3	23.3
	Lead (Pb)-Total (mg/kg)		<0.020	<0.020	<0.020	<0.020	<0.020
	Lithium (Li)-Total (mg/kg)		<0.50	<0.50	<0.50	<0.50	<0.50
	Magnesium (Mg)-Total (mg/kg)		1030	1110	1290	1270	1350
	Manganese (Mn)-Total (mg/kg)		13.9	1.96	1.28	1.18	2.04
	Mercury (Hg)-Total (mg/kg)		0.0799	0.307	0.326	0.265	0.571
	Molybdenum (Mo)-Total (mg/kg)		1.15	<0.020	<0.020	<0.020	<0.020
	Nickel (Ni)-Total (mg/kg)		<0.20	<0.20	<0.20	0.35	<0.20
	Phosphorus (P)-Total (mg/kg)		16400	10500	11100	10800	12000
	Potassium (K)-Total (mg/kg)		15200	17800	18700	19200	20400
	Rubidium (Rb)-Total (mg/kg)		13.2	15.2	6.35	9.33	10.8
	Selenium (Se)-Total (mg/kg)		12.6	2.51	1.81	2.00	2.72
	Sodium (Na)-Total (mg/kg)		4390	1140	1550	1200	1740
	Strontium (Sr)-Total (mg/kg)		0.520	1.25	1.02	0.683	1.53
	Tellurium (Te)-Total (mg/kg)		<0.020	<0.020	<0.020	<0.020	<0.020
	Thallium (Tl)-Total (mg/kg)		<0.0020	0.0041	<0.0020	0.0024	0.0022
	Tin (Sn)-Total (mg/kg)		0.15	0.12	0.20	0.19	0.13
	Uranium (U)-Total (mg/kg)		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Vanadium (V)-Total (mg/kg)		0.14	<0.10	<0.10	<0.10	<0.10
	Zinc (Zn)-Total (mg/kg)		93.0	20.3	19.8	16.6	24.2
	Zirconium (Zr)-Total (mg/kg)		<0.20	<0.20	<0.20	<0.20	<0.20

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1922929-77	L1922929-78	L1922929-79	L1922929-80	L1922929-81
		Description	Tissue	Tissue	Tissue	Tissue	Tissue
		Sampled Date	03-MAY-17	03-MAY-17	03-MAY-17	03-MAY-17	02-MAY-17
		Sampled Time					
		Client ID	BOL-LSU-5 MUSCLE	BOL-LSU-6 MUSCLE	BOL-LSU-7 MUSCLE	BOL-LSU-8 MUSCLE	BOL-LSU-1 OVARY
Grouping	Analyte						
TISSUE							
Physical Tests	% Moisture (%)		76.1	72.6	72.8	78.9	65.4
Metals	Aluminum (Al)-Total (mg/kg)		5.0	3.2	<2.0	2.7	3.5
	Antimony (Sb)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Arsenic (As)-Total (mg/kg)		0.045	0.066	0.040	0.041	0.055
	Barium (Ba)-Total (mg/kg)		0.411	0.286	0.247	0.174	0.261
	Beryllium (Be)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Bismuth (Bi)-Total (mg/kg)		<0.010	<0.010	0.031	<0.010	<0.010
	Boron (B)-Total (mg/kg)		<1.0	<1.0	<1.0	<1.0	<1.0
	Cadmium (Cd)-Total (mg/kg)		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	Calcium (Ca)-Total (mg/kg)		429	290	307	429	562
	Cesium (Cs)-Total (mg/kg)		0.0811	0.0993	0.0433	0.0604	0.0262
	Chromium (Cr)-Total (mg/kg)		0.053	<0.050	<0.050	<0.050	<0.050
	Cobalt (Co)-Total (mg/kg)		0.021	0.024	<0.020	0.027	0.060
	Copper (Cu)-Total (mg/kg)		2.86	2.89	3.11	3.25	3.98
	Iron (Fe)-Total (mg/kg)		55.7	56.5	58.9	47.9	63.2
	Lead (Pb)-Total (mg/kg)		0.023	<0.020	<0.020	<0.020	<0.020
	Lithium (Li)-Total (mg/kg)		<0.50	<0.50	<0.50	<0.50	<0.50
	Magnesium (Mg)-Total (mg/kg)		1140	715	821	1090	858
	Manganese (Mn)-Total (mg/kg)		1.15	0.810	0.847	1.09	19.2
	Mercury (Hg)-Total (mg/kg)		0.484	0.197	0.206	0.466	0.0096
	Molybdenum (Mo)-Total (mg/kg)		<0.020	<0.020	<0.020	<0.020	0.048
	Nickel (Ni)-Total (mg/kg)		<0.20	<0.20	<0.20	<0.20	<0.20
	Phosphorus (P)-Total (mg/kg)		10700	7890	8550	11200	11100
	Potassium (K)-Total (mg/kg)		17000	12600	13100	17000	6710
	Rubidium (Rb)-Total (mg/kg)		6.22	9.17	5.61	7.25	6.73
	Selenium (Se)-Total (mg/kg)		1.77	1.83	1.70	1.93	3.80
	Sodium (Na)-Total (mg/kg)		2340	2170	1760	2280	1990
	Strontium (Sr)-Total (mg/kg)		0.655	0.408	0.417	0.593	0.843
	Tellurium (Te)-Total (mg/kg)		<0.020	<0.020	<0.020	<0.020	<0.020
	Thallium (Tl)-Total (mg/kg)		<0.0020	<0.0020	<0.0020	<0.0020	0.0022
	Tin (Sn)-Total (mg/kg)		0.20	0.25	0.11	0.19	<0.10
	Uranium (U)-Total (mg/kg)		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Vanadium (V)-Total (mg/kg)		<0.10	<0.10	<0.10	<0.10	<0.10
	Zinc (Zn)-Total (mg/kg)		18.5	24.3	22.5	19.2	80.9
	Zirconium (Zr)-Total (mg/kg)		<0.20	<0.20	<0.20	<0.20	<0.20

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1922929-82	L1922929-83	L1922929-84	L1922929-85	L1922929-86
		Description	Tissue	Tissue	Tissue	Tissue	Tissue
		Sampled Date	02-MAY-17	02-MAY-17	03-MAY-17	03-MAY-17	03-MAY-17
		Sampled Time					
		Client ID	BOL-LSU-2 OVARY	BOL-LSU-3 OVARY	BOL-LSU-4 OVARY	BOL-LSU-5 OVARY	BOL-LSU-6 OVARY
Grouping	Analyte						
TISSUE							
Physical Tests	% Moisture (%)		65.4	63.7	64.9	61.3	66.0
Metals	Aluminum (Al)-Total (mg/kg)		2.4	<2.0	2.3	4.7	<2.0
	Antimony (Sb)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Arsenic (As)-Total (mg/kg)		0.029	0.049	0.048	0.038	0.050
	Barium (Ba)-Total (mg/kg)		0.321	0.287	0.445	0.371	0.201
	Beryllium (Be)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Bismuth (Bi)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Boron (B)-Total (mg/kg)		<1.0	<1.0	<1.0	<1.0	<1.0
	Cadmium (Cd)-Total (mg/kg)		<0.0050	0.0076	0.0146	<0.0050	<0.0050
	Calcium (Ca)-Total (mg/kg)		733	552	640	621	586
	Cesium (Cs)-Total (mg/kg)		0.0114	0.0164	0.0192	0.0116	0.0296
	Chromium (Cr)-Total (mg/kg)		<0.050	<0.050	<0.050	<0.050	<0.050
	Cobalt (Co)-Total (mg/kg)		0.034	0.049	0.044	0.040	0.065
	Copper (Cu)-Total (mg/kg)		3.72	3.34	3.41	3.01	3.73
	Iron (Fe)-Total (mg/kg)		54.7	50.2	46.7	59.0	45.2
	Lead (Pb)-Total (mg/kg)		0.032	<0.020	<0.020	<0.020	<0.020
	Lithium (Li)-Total (mg/kg)		<0.50	<0.50	<0.50	<0.50	<0.50
	Magnesium (Mg)-Total (mg/kg)		873	721	733	688	810
	Manganese (Mn)-Total (mg/kg)		18.3	17.3	17.5	20.4	18.9
	Mercury (Hg)-Total (mg/kg)		0.0111	0.0080	0.0126	0.0131	0.0101
	Molybdenum (Mo)-Total (mg/kg)		0.061	0.056	0.054	0.039	0.055
	Nickel (Ni)-Total (mg/kg)		<0.20	<0.20	<0.20	<0.20	<0.20
	Phosphorus (P)-Total (mg/kg)		11400	10900	11100	10500	11500
	Potassium (K)-Total (mg/kg)		6920	6310	6280	6260	6750
	Rubidium (Rb)-Total (mg/kg)		3.19	4.26	4.22	3.00	6.17
	Selenium (Se)-Total (mg/kg)		3.03	3.21	3.87	3.21	4.00
	Sodium (Na)-Total (mg/kg)		1820	1420	1790	1590	1740
	Strontium (Sr)-Total (mg/kg)		0.907	0.818	1.02	0.881	0.628
	Tellurium (Te)-Total (mg/kg)		<0.020	<0.020	<0.020	<0.020	<0.020
	Thallium (Tl)-Total (mg/kg)		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Tin (Sn)-Total (mg/kg)		<0.10	<0.10	<0.10	<0.10	<0.10
	Uranium (U)-Total (mg/kg)		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Vanadium (V)-Total (mg/kg)		<0.10	<0.10	<0.10	<0.10	<0.10
	Zinc (Zn)-Total (mg/kg)		78.5	74.1	74.1	79.0	87.9
	Zirconium (Zr)-Total (mg/kg)		<0.20	<0.20	<0.20	<0.20	<0.20

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1922929-87	L1922929-88	L1922929-89	L1922929-90	L1922929-91
		Description	Tissue	Tissue	Tissue	Tissue	Tissue
		Sampled Date	03-MAY-17	03-MAY-17	02-MAY-17	02-MAY-17	02-MAY-17
		Sampled Time					
		Client ID	BOL-LSU-7 OVARY	BOL-LSU-8 OVARY	BOL-LSU-1 LIVER	BOL-LSU-2 LIVER	BOL-LSU-3 LIVER
Grouping	Analyte						
TISSUE							
Physical Tests	% Moisture (%)		66.0	64.7	79.2	78.7	72.9
Metals	Aluminum (Al)-Total (mg/kg)		<2.0	<2.0	10.9	5.3	5.9
	Antimony (Sb)-Total (mg/kg)		<0.010	<0.010	<0.010	0.013	<0.010
	Arsenic (As)-Total (mg/kg)		0.023	0.029	0.090	0.074	0.112
	Barium (Ba)-Total (mg/kg)		0.234	0.298	0.252	0.141	0.293
	Beryllium (Be)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Bismuth (Bi)-Total (mg/kg)		<0.010	<0.010	0.014	<0.010	<0.010
	Boron (B)-Total (mg/kg)		<1.0	<1.0	<1.0	<1.0	<1.0
	Cadmium (Cd)-Total (mg/kg)		<0.0050	0.0050	0.608	0.307	0.238
	Calcium (Ca)-Total (mg/kg)		772	621	197	200	273
	Cesium (Cs)-Total (mg/kg)		0.0106	0.0101	0.0388	0.0210	0.0261
	Chromium (Cr)-Total (mg/kg)		<0.050	<0.050	0.058	<0.050	<0.050
	Cobalt (Co)-Total (mg/kg)		0.036	0.035	0.167	0.075	0.096
	Copper (Cu)-Total (mg/kg)		3.53	3.72	25.5	15.3	20.0
	Iron (Fe)-Total (mg/kg)		57.6	46.1	338	381	280
	Lead (Pb)-Total (mg/kg)		<0.020	<0.020	0.069	0.024	<0.020
	Lithium (Li)-Total (mg/kg)		<0.50	<0.50	<0.50	<0.50	<0.50
	Magnesium (Mg)-Total (mg/kg)		850	768	1220	1100	934
	Manganese (Mn)-Total (mg/kg)		12.4	9.47	10.8	14.5	13.6
	Mercury (Hg)-Total (mg/kg)		0.0104	0.0155	0.105	0.127	0.0909
	Molybdenum (Mo)-Total (mg/kg)		0.051	0.055	1.10	1.37	1.11
	Nickel (Ni)-Total (mg/kg)		<0.20	<0.20	<0.20	<0.20	<0.20
	Phosphorus (P)-Total (mg/kg)		11500	12000	19700	18500	15700
	Potassium (K)-Total (mg/kg)		7270	7140	19400	17800	15800
	Rubidium (Rb)-Total (mg/kg)		3.73	3.57	16.4	9.12	9.92
	Selenium (Se)-Total (mg/kg)		3.91	3.43	6.10	5.42	4.74
	Sodium (Na)-Total (mg/kg)		1880	1630	4370	4670	2290
	Strontium (Sr)-Total (mg/kg)		0.866	0.951	0.479	0.485	1.19
	Tellurium (Te)-Total (mg/kg)		<0.020	<0.020	<0.020	<0.020	<0.020
	Thallium (Tl)-Total (mg/kg)		<0.0020	<0.0020	0.0156	<0.0020	0.0063
	Tin (Sn)-Total (mg/kg)		<0.10	<0.10	0.18	0.13	0.13
	Uranium (U)-Total (mg/kg)		<0.0020	<0.0020	0.0036	0.0035	0.0045
	Vanadium (V)-Total (mg/kg)		<0.10	<0.10	0.19	0.23	0.21
	Zinc (Zn)-Total (mg/kg)		84.0	79.3	111	81.8	72.1
	Zirconium (Zr)-Total (mg/kg)		<0.20	<0.20	<0.20	<0.20	<0.20

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1922929-92	L1922929-93	L1922929-94	L1922929-95	L1922929-96
		Description	Tissue	Tissue	Tissue	Tissue	Tissue
		Sampled Date	03-MAY-17	03-MAY-17	03-MAY-17	03-MAY-17	03-MAY-17
		Sampled Time					
		Client ID	BOL-LSU-4 LIVER	BOL-LSU-5 LIVER	BOL-LSU-6 LIVER	BOL-LSU-7 LIVER	BOL-LSU-8 LIVER
Grouping	Analyte						
TISSUE							
Physical Tests	% Moisture (%)		76.6	75.5	80.2	77.5	77.7
Metals	Aluminum (Al)-Total (mg/kg)		5.3	3.1	3.6	2.1	6.5
	Antimony (Sb)-Total (mg/kg)		0.019	0.027	0.016	0.017	0.034
	Arsenic (As)-Total (mg/kg)		0.092	0.097	0.077	0.079	0.098
	Barium (Ba)-Total (mg/kg)		0.249	0.109	0.134	0.056	0.199
	Beryllium (Be)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Bismuth (Bi)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Boron (B)-Total (mg/kg)		<1.0	<1.0	<1.0	<1.0	<1.0
	Cadmium (Cd)-Total (mg/kg)		0.374	0.378	0.441	0.221	0.550
	Calcium (Ca)-Total (mg/kg)		179	189	188	132	223
	Cesium (Cs)-Total (mg/kg)		0.0374	0.0164	0.0403	0.0146	0.0164
	Chromium (Cr)-Total (mg/kg)		<0.050	<0.050	<0.050	<0.050	<0.050
	Cobalt (Co)-Total (mg/kg)		0.079	0.076	0.118	0.074	0.088
	Copper (Cu)-Total (mg/kg)		17.1	12.2	10.5	15.1	18.1
	Iron (Fe)-Total (mg/kg)		393	374	511	421	212
	Lead (Pb)-Total (mg/kg)		0.022	<0.020	0.026	<0.020	<0.020
	Lithium (Li)-Total (mg/kg)		<0.50	<0.50	<0.50	<0.50	<0.50
	Magnesium (Mg)-Total (mg/kg)		1120	1030	1260	1120	1140
	Manganese (Mn)-Total (mg/kg)		17.3	10.8	10.2	12.1	14.0
	Mercury (Hg)-Total (mg/kg)		0.117	0.136	0.127	0.119	0.154
	Molybdenum (Mo)-Total (mg/kg)		1.02	1.26	0.797	1.13	1.07
	Nickel (Ni)-Total (mg/kg)		<0.20	<0.20	<0.20	<0.20	<0.20
	Phosphorus (P)-Total (mg/kg)		17600	16800	20200	17400	17900
	Potassium (K)-Total (mg/kg)		17200	15800	17900	17300	16400
	Rubidium (Rb)-Total (mg/kg)		11.8	7.57	15.2	9.46	8.93
	Selenium (Se)-Total (mg/kg)		5.58	5.52	6.24	5.30	5.65
	Sodium (Na)-Total (mg/kg)		3590	3010	4620	3520	3910
	Strontium (Sr)-Total (mg/kg)		0.711	0.471	0.389	0.323	0.701
	Tellurium (Te)-Total (mg/kg)		<0.020	<0.020	<0.020	<0.020	<0.020
	Thallium (Tl)-Total (mg/kg)		0.0036	<0.0020	0.0031	<0.0020	<0.0020
	Tin (Sn)-Total (mg/kg)		0.10	<0.10	0.15	0.11	0.16
	Uranium (U)-Total (mg/kg)		0.0044	0.0066	0.0043	0.0039	0.0083
	Vanadium (V)-Total (mg/kg)		0.23	0.32	0.19	0.43	0.59
	Zinc (Zn)-Total (mg/kg)		76.5	70.2	106	75.6	74.3
	Zirconium (Zr)-Total (mg/kg)		<0.20	<0.20	<0.20	<0.20	<0.20

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1922929-98	L1922929-99	L1922929-100	L1922929-101	L1922929-102
		Description	Tissue	Tissue	Tissue	Tissue	Tissue
		Sampled Date	03-MAY-17	03-MAY-17	02-MAY-17	03-MAY-17	03-MAY-17
		Sampled Time					
		Client ID	PL-RBT-03-X MUSCLE	PL-RBT-04-X MUSCLE	BL-RBT-07-X MUSCLE	PL-RBT-03-X OVARY	PL-RBT-04-X OVARY
Grouping	Analyte						
TISSUE							
Physical Tests	% Moisture (%)		76.9	79.0	77.2	62.4	62.8
Metals	Aluminum (Al)-Total (mg/kg)		4.7	<2.0	6.7	<2.0	<2.0
	Antimony (Sb)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Arsenic (As)-Total (mg/kg)		0.085	0.024	0.059	0.034	0.025
	Barium (Ba)-Total (mg/kg)		0.073	<0.050	0.174	0.140	0.241
	Beryllium (Be)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Bismuth (Bi)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Boron (B)-Total (mg/kg)		<1.0	<1.0	<1.0	<1.0	<1.0
	Cadmium (Cd)-Total (mg/kg)		<0.0050	<0.0050	<0.010	<0.0050	<0.0050
	Calcium (Ca)-Total (mg/kg)		688	894	1200	1320	1110
	Cesium (Cs)-Total (mg/kg)		0.100	0.0864	0.0665	0.0274	0.0198
	Chromium (Cr)-Total (mg/kg)		<0.050	0.105	<0.20	<0.050	<0.050
	Cobalt (Co)-Total (mg/kg)		0.023	<0.020	<0.020	0.043	0.088
	Copper (Cu)-Total (mg/kg)		2.74	1.95	1.38	7.69	9.76
	Iron (Fe)-Total (mg/kg)		39.3	25.6	44.4	43.0	43.0
	Lead (Pb)-Total (mg/kg)		<0.020	<0.020	<0.050	<0.020	<0.020
	Lithium (Li)-Total (mg/kg)		<0.50	<0.50	<0.50	<0.50	<0.50
	Magnesium (Mg)-Total (mg/kg)		1120	1340	1090	1360	1620
	Manganese (Mn)-Total (mg/kg)		0.752	0.602	1.37	2.77	5.21
	Mercury (Hg)-Total (mg/kg)		0.261	0.406	0.524	<0.0050	<0.0050
	Molybdenum (Mo)-Total (mg/kg)		<0.020	<0.020	<0.040	0.057	0.052
	Nickel (Ni)-Total (mg/kg)		<0.20	<0.20	<0.20	<0.20	<0.20
	Phosphorus (P)-Total (mg/kg)		11600	13300	11800	11100	11500
	Potassium (K)-Total (mg/kg)		18500	22000	18500	7590	7210
	Rubidium (Rb)-Total (mg/kg)		9.39	7.94	9.95	4.43	3.31
	Selenium (Se)-Total (mg/kg)		4.97	5.79	2.08	9.04	10.5
	Sodium (Na)-Total (mg/kg)		2330	2060	1450	2520	2380
	Strontium (Sr)-Total (mg/kg)		1.05	1.07	1.68	3.40	3.43
	Tellurium (Te)-Total (mg/kg)		<0.020	<0.020	<0.020	<0.020	<0.020
	Thallium (Tl)-Total (mg/kg)		0.0030	0.0023	0.0104	<0.0020	<0.0020
	Tin (Sn)-Total (mg/kg)		0.13	0.13	<0.10	<0.10	<0.10
	Uranium (U)-Total (mg/kg)		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Vanadium (V)-Total (mg/kg)		<0.10	<0.10	<0.10	<0.10	<0.10
	Zinc (Zn)-Total (mg/kg)		17.8	19.9	17.5	65.0	65.3
	Zirconium (Zr)-Total (mg/kg)		<0.20	<0.20	<0.20	<0.20	<0.20

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1922929-103	L1922929-104	L1922929-105	L1922929-106	L1922929-107
		Description	Tissue	Tissue	Tissue	Tissue	Tissue
		Sampled Date	03-MAY-17	03-MAY-17	02-MAY-17	02-MAY-17	02-MAY-17
		Sampled Time					
		Client ID	PL-RBT-03-X LIVER	PL-RBT-04-X LIVER	BL-RBT-07-X LIVER	BL-RBT-07-X OVARY	BOL-RBT-02 MUSCLE
Grouping	Analyte						
TISSUE							
Physical Tests	% Moisture (%)		79.7	77.8	72.1	64.1	78.2
Metals	Aluminum (Al)-Total (mg/kg)		<5.0	<5.0	<5.0	<2.0	10.3
	Antimony (Sb)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Arsenic (As)-Total (mg/kg)		0.116	0.040	0.090	0.057	0.049
	Barium (Ba)-Total (mg/kg)		<0.050	<0.050	0.100	0.517	0.328
	Beryllium (Be)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Bismuth (Bi)-Total (mg/kg)		<0.010	<0.010	<0.010	<0.010	<0.010
	Boron (B)-Total (mg/kg)		<1.0	<1.0	<1.0	<1.0	<1.0
	Cadmium (Cd)-Total (mg/kg)		0.106	0.091	0.094	<0.0050	<0.0050
	Calcium (Ca)-Total (mg/kg)		381	417	298	1430	959
	Cesium (Cs)-Total (mg/kg)		0.0687	0.0330	0.0424	0.0132	0.0405
	Chromium (Cr)-Total (mg/kg)		<0.20	<0.20	<0.20	<0.050	0.077
	Cobalt (Co)-Total (mg/kg)		0.125	0.109	0.062	0.085	0.029
	Copper (Cu)-Total (mg/kg)		39.0	336	20.1	12.5	2.56
	Iron (Fe)-Total (mg/kg)		2090	1950	1410	81.8	63.6
	Lead (Pb)-Total (mg/kg)		<0.050	<0.050	<0.050	<0.020	0.072
	Lithium (Li)-Total (mg/kg)		<0.50	<0.50	<0.50	<0.50	<0.50
	Magnesium (Mg)-Total (mg/kg)		639	639	838	1770	1320
	Manganese (Mn)-Total (mg/kg)		5.23	6.13	9.61	4.58	2.04
	Mercury (Hg)-Total (mg/kg)		0.266	0.257	0.413	0.0284	0.293
	Molybdenum (Mo)-Total (mg/kg)		1.15	1.10	0.755	0.046	<0.020
	Nickel (Ni)-Total (mg/kg)		<0.20	<0.20	<0.20	<0.20	0.23
	Phosphorus (P)-Total (mg/kg)		14300	14000	16500	12600	13500
	Potassium (K)-Total (mg/kg)		11500	11800	13300	6760	22500
	Rubidium (Rb)-Total (mg/kg)		7.98	5.78	10.1	4.31	7.60
	Selenium (Se)-Total (mg/kg)		14.6	64.6	6.78	4.82	2.01
	Sodium (Na)-Total (mg/kg)		8560	7030	2480	2990	1720
	Strontium (Sr)-Total (mg/kg)		0.64	0.69	0.48	4.40	1.49
	Tellurium (Te)-Total (mg/kg)		<0.020	<0.020	<0.020	<0.020	<0.020
	Thallium (Tl)-Total (mg/kg)		0.0337	0.0380	0.355	<0.0020	0.0086
	Tin (Sn)-Total (mg/kg)		0.59	0.23	0.48	0.12	0.43
	Uranium (U)-Total (mg/kg)		0.0030	0.0084	0.0050	<0.0020	<0.0020
	Vanadium (V)-Total (mg/kg)		0.37	1.11	0.24	<0.10	<0.10
	Zinc (Zn)-Total (mg/kg)		138	156	111	91.1	19.1
	Zirconium (Zr)-Total (mg/kg)		<0.20	<0.20	<0.20	<0.20	<0.20

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Duplicate	Aluminum (Al)-Total	DUP-H	L1922929-100, -103, -104, -105, -18, -20, -23, -25, -41, -42, -43, -45, -48
Duplicate	Calcium (Ca)-Total	DUP-H	L1922929-100, -103, -104, -105, -18, -20, -23, -25, -41, -42, -43, -45, -48
Duplicate	Lead (Pb)-Total	DUP-H	L1922929-100, -103, -104, -105, -18, -20, -23, -25, -41, -42, -43, -45, -48
Duplicate	Strontium (Sr)-Total	DUP-H	L1922929-100, -103, -104, -105, -18, -20, -23, -25, -41, -42, -43, -45, -48

Qualifiers for Individual Parameters Listed:

Qualifier	Description
DUP-H	Duplicate results outside ALS DQO, due to sample heterogeneity.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
HG-DRY-CVAFS-N-VA	Tissue	Mercury in Tissue by CVAFS (DRY)	EPA 200.3, EPA 245.7
<p>This method is conducted following British Columbia Lab Manual method "Metals in Animal Tissue and Vegetation (Biota) - Prescriptive". Tissue samples are homogenized and sub-sampled prior to hotblock digestion with nitric and hydrochloric acids, in combination with addition of hydrogen peroxide. Analysis is by atomic fluorescence spectrophotometry or atomic absorption spectrophotometry, adapted from US EPA Method 245.7.</p>			
HG-DRY-MICR-CVAF-VA	Tissue	Mercury in Tissue by CVAFS Micro (DRY)	EPA 200.3, EPA 245.7
<p>This method is adapted from US EPA Method 200.3 "Sample Procedures for Spectrochemical Determination of Total Recoverable Elements in Biological Tissues" (1996). Tissue samples are homogenized and sub-sampled prior to hotblock digestion with nitric and hydrochloric acids, in combination with repeated additions of hydrogen peroxide. Analysis is by atomic fluorescence spectrophotometry or atomic absorption spectrophotometry, adapted from US EPA Method 245.7.</p>			
MET-DRY-CCMS-N-VA	Tissue	Metals in Tissue by CRC ICPMS (DRY)	EPA 200.3/6020A
<p>This method is conducted following British Columbia Lab Manual method "Metals in Animal Tissue and Vegetation (Biota) - Prescriptive". Tissue samples are homogenized and sub-sampled prior to hotblock digestion with nitric and hydrochloric acids, in combination with addition of hydrogen peroxide. Instrumental analysis is by collision cell inductively coupled plasma - mass spectrometry (modified from EPA Method 6020A).</p> <p>Method Limitation: This method employs a strong acid/peroxide digestion, and is intended to provide a conservative estimate of bio-available metals. Near complete recoveries are achieved for most toxicologically important metals, but elements associated with recalcitrant minerals may be only partially recovered.</p>			
MET-DRY-MICR-HRMS-VA	Tissue	Metals in Tissue by HR-ICPMS Micro (DRY)	EPA 200.3/200.8
<p>Trace metals in tissue are analyzed by high resolution inductively coupled plasma mass spectrometry (HR-ICPMS) modified from US EPA Method 200.8, (Revision 5.5). The sample preparation procedure is modified from US EPA 200.3. Analytical results are reported on dry weight basis.</p> <p>Method Limitation: This method employs a strong acid/peroxide digestion, and is intended to provide a conservative estimate of bio-available metals. Near complete recoveries are achieved for most toxicologically important metals, but elements associated with recalcitrant minerals may be only partially recovered.</p>			
MOISTURE-MICR-VA	Tissue	Moisture in Tissue	Puget Sound WQ Authority, Apr 1997
<p>This analysis is carried out gravimetrically by drying the sample at <60 deg. C.</p>			
MOISTURE-TISS-VA	Tissue	% Moisture in Tissues	Puget Sound WQ Authority, Apr 1997
<p>This analysis is carried out gravimetrically by drying the sample at 105 C for a minimum of six hours.</p>			

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

Reference Information

GLOSSARY OF REPORT TERMS

Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

mg/kg - milligrams per kilogram based on dry weight of sample.

mg/kg wwt - milligrams per kilogram based on wet weight of sample.

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight of sample.

mg/L - milligrams per litre.

< - Less than.

D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).

N/A - Result not available. Refer to qualifier code and definition for explanation.

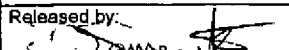
Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



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Report To Contact and company name below will appear on the final report		Report Format / Distribution			Select Service Level Below - Please confirm all E&P TATs with your AM - surcharges will apply												
Company: Mount Polley Mining Corporation		Select Report Format: <input checked="" type="checkbox"/> PDF <input checked="" type="checkbox"/> EXCEL <input type="checkbox"/> EDD (DIGITAL)			Regular [R] <input checked="" type="checkbox"/> Standard TAT if received by 3 pm - business days - no surcharges apply												
Contact: Colleen Hughes		Quality Control (QC) Report with Report <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			PRIORITY (Business Days)		4 day [P4] <input type="checkbox"/>		EMERGENCY		1 Business day [E1] <input type="checkbox"/>						
Phone: 250-790-2617		<input type="checkbox"/> Compare Results to Criteria on Report - provide details below if box checked					3 day [P3] <input type="checkbox"/>				Same Day, Weekend or Statutory holiday [E0] <input type="checkbox"/>						
Company address below will appear on the final report		Select Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX					2 day [P2] <input type="checkbox"/>										
Street: PO Box 12		Email 1 or Fax: chughes@mountpolley.com			Date and Time Required for all E&P TATs:												
City/Province: Likely, BC		Email 2: pstecko@minnow.ca; kbatchelar@minnow.ca			For tests that can not be performed according to the service level selected, you will be contacted.												
Postal Code: V0L 1N0		Email 3:			Analysis Request												
Invoice To		Invoice Distribution			Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below												
Same as Report To <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Select Invoice Distribution: <input checked="" type="checkbox"/> EMAIL <input checked="" type="checkbox"/> MAIL <input type="checkbox"/> FAX															
Copy of Invoice with Report <input type="checkbox"/> YES <input type="checkbox"/> NO		Email 1 or Fax: chughes@mountpolley.com															
Company:		Email 2:															
Contact:		Email 3:															
Project Information		Oil and Gas Required Fields (client use)															
ALS Account # / Quote #: Q61632		AFE/Cost Center:		PO#:													
Job #:		Major/Minor Code:		Routing Code:													
PO / AFE:		Requisitioner:															
LSD:		Location:															
ALS Lab Work Order # (lab use only)		ALS Contact: Can Dang		Sampler:													
ALS Sample # (lab use only)		Sample Identification (This description will appear on report)		Date (dd-mmm-yy)		Time (hh:mm)		Sample Type		MOISTURE-TISS-VVA (% Moisture)		HG-DRY-CVAFS-N-VVA (Hg Dry)		MET-DRY-CCMS-N-VVA (CRC ICFMS - Dry)		Number of Containers	
		POL-RB-1 Muscle						Tissue		R		R		R			
		POL-RB-2 Muscle						Tissue		R		R		R			
		POL-RB-3 Muscle						Tissue		R		R		R			
		POL-RB-4 Muscle						Tissue		R		R		R			
		POL-RB-5 Muscle						Tissue		R		R		R			
		POL-RB-6 Muscle						Tissue		R		R		R			
		POL-RB-7 Muscle						Tissue		R		R		R			
		POL-RB-8 Muscle						Tissue		R		R		R			
		POL-RB-1 Ovary						Tissue		R		R		R			
		POL-RB-2 Ovary						Tissue		R		R		R			
		POL-RB-3 Ovary						Tissue		R		R		R			
		POL-RB-4 Ovary						Tissue		R		R		R			
Drinking Water (DW) Samples¹ (client use)		Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)			SAMPLE CONDITION AS RECEIVED (lab use only)												
Are samples taken from a Regulated DW System? <input type="checkbox"/> YES <input type="checkbox"/> NO		NOTE: PL refers to POL } For all samples BL refers to BOL } If sample is insufficient for regular digestion and analysis, please contact kbatchelar@minnow.ca or pstecko@minnow.ca to discuss analysis options.			Frozen <input type="checkbox"/> SIF Observations Yes <input type="checkbox"/> No <input type="checkbox"/>												
Are samples for human drinking water use? <input type="checkbox"/> YES <input type="checkbox"/> NO					Ice Packs <input type="checkbox"/> Ice Cubes <input type="checkbox"/> Custody seal intact Yes <input type="checkbox"/> No <input type="checkbox"/>												
		Cooling Initiated <input type="checkbox"/>															
		INITIAL COOLER TEMPERATURES °C					FINAL COOLER TEMPERATURES °C										
		2															
SHIPMENT RELEASE (client use)		INITIAL SHIPMENT RECEPTION (lab use only)				FINAL SHIPMENT RECEPTION (lab use only)											
Released by: 		Date: 4-MAY-17		Time: 0730		Received by: JK		Date: May 5		Time: 10:30		Received by:		Date:		Time:	

Short Holding Time

Rush Processing


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Report To Contact and company name below will appear on the final report		Report Format / Distribution			Select Service Level Below - Please confirm all E&P TATs with your AM - surcharges will apply															
Company:	Mount Polley Mining Corporation	Select Report Format: <input checked="" type="checkbox"/> PDF <input checked="" type="checkbox"/> EXCEL <input type="checkbox"/> EDD (DIGITAL)			Regular [R] <input checked="" type="checkbox"/> Standard TAT if received by 3 pm - business days - no surcharges apply															
Contact:	Colleen Hughes	Quality Control (QC) Report with Report <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			PRIORITY (Business Days)	4 day [P4] <input type="checkbox"/>			EMERGENCY	1 Business day [E1] <input type="checkbox"/>										
Phone:	250-790-2617	<input type="checkbox"/> Compare Results to Criteria on Report - provide details below if box checked				3 day [P3] <input type="checkbox"/>				Same Day, Weekend or Statutory holiday [E0] <input type="checkbox"/>										
Company address below will appear on the final report		Select Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX			Date and Time Required for all E&P TATs:															
Street:	PO Box 12	Email 1 or Fax chughes@mountpolley.com			For tests that can not be performed according to the service level selected, you will be contacted.															
City/Province:	Likely, BC	Email 2 pstecko@minnow.ca; kbatchelar@minnow.ca			Analysis Request															
Postal Code:	V0L 1N0	Email 3			Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below															
Invoice To	Same as Report To <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Invoice Distribution			MOISTURE-TISS-VA (% Moisture)	HG-DRY-CVAFS-N-VA (Hg Dry)	MET-DRY-COMS-N-VA (CRC ICPMS - Dry)	Number of Containers												
	Copy of Invoice with Report <input type="checkbox"/> YES <input type="checkbox"/> NO	Select Invoice Distribution: <input checked="" type="checkbox"/> EMAIL <input checked="" type="checkbox"/> MAIL <input type="checkbox"/> FAX																		
Company:		Email 1 or Fax chughes@mountpolley.com																		
Contact:		Email 2																		
Project Information		Oil and Gas Required Fields (client use)																		
ALS Account # / Quote #: Q61632		AFE/Cost Center:		PO#																
Job #:		Major/Minor Code:		Routing Code:																
PO / AFE:		Requisitioner:																		
LSD:		Location:																		
ALS Lab Work Order # (lab use only)		ALS Contact:	Can Dang	Sampler:																
ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type																
	POL-RB-5 Ovary			Tissue	R	R	R													
	POL-RB-6 Ovary			Tissue	R	R	R													
	POL-RB-7 Ovary			Tissue	R	R	R													
	POL-RB-8 Ovary			Tissue	R	R	R													
	POL-RB-1 Liver			Tissue	R	R	R													
	POL-RB-2 Liver			Tissue	R	R	R													
	POL-RB-3 Liver			Tissue	R	R	R													
	POL-RB-4 Liver			Tissue	R	R	R													
	POL-RB-5 Liver			Tissue	R	R	R													
	POL-RB-6 Liver			Tissue	R	R	R													
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			<i>Jm</i>	<i>May 5</i>	<i>10:30</i>															

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Invoice To		Invoice Distribution			<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</td> <td colspan="3">Select Invoice Distribution: <input checked="" type="checkbox"/> EMAIL <input checked="" type="checkbox"/> MAIL <input type="checkbox"/> FAX</td> <td colspan="10" rowspan="10" style="text-align: center; vertical-align: middle;">Number of Containers</td> </tr> <tr> <td colspan="2">Copy of Invoice with Report <input type="checkbox"/> YES <input type="checkbox"/> NO</td> <td colspan="3">Email 1 or Fax chughes@mountpolley.com</td> </tr> <tr> <td colspan="2">Company:</td> <td colspan="3">Email 2</td> </tr> <tr> <td colspan="2">Contact:</td> <td colspan="3">Email 3</td> </tr> <tr> <td colspan="5" style="text-align: center;">Oil and Gas Required Fields (client use)</td> </tr> <tr> <td colspan="2">ALS Account # / Quote #: Q81832</td> <td colspan="2">AFE/Cost Center:</td> <td colspan="2">PO#</td> </tr> <tr> <td colspan="2">Job #:</td> <td colspan="2">Major/Minor Code:</td> <td colspan="2">Routing Code:</td> </tr> <tr> <td colspan="2">PO / AFE:</td> <td colspan="3">Requisitioner:</td> <td colspan="2">Location:</td> </tr> <tr> <td colspan="2">LSD:</td> <td colspan="2">ALS Contact:</td> <td colspan="2">Can Dang</td> <td colspan="2">Sampler:</td> </tr> <tr> <td colspan="2">ALS Lab Work Order # (lab use only)</td> <td colspan="3"></td> <td colspan="2">MOISTURE-TISS-VA (% Moisture)</td> <td colspan="2">HG-DRY-CVAFS-N-VA (Hg Dry)</td> <td colspan="2">MET-DRY-COMS-N-VA (CRC ICPMS - Dry)</td> <td colspan="6"></td> </tr> </table>										<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Select Invoice Distribution: <input checked="" type="checkbox"/> EMAIL <input checked="" type="checkbox"/> MAIL <input type="checkbox"/> FAX			Number of Containers										Copy of Invoice with Report <input type="checkbox"/> YES <input type="checkbox"/> NO		Email 1 or Fax chughes@mountpolley.com			Company:		Email 2			Contact:		Email 3			Oil and Gas Required Fields (client use)					ALS Account # / Quote #: Q81832		AFE/Cost Center:		PO#		Job #:		Major/Minor Code:		Routing Code:		PO / AFE:		Requisitioner:			Location:		LSD:		ALS Contact:		Can Dang		Sampler:		ALS Lab Work Order # (lab use only)					MOISTURE-TISS-VA (% Moisture)		HG-DRY-CVAFS-N-VA (Hg Dry)		MET-DRY-COMS-N-VA (CRC ICPMS - Dry)							
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Company:	Mount Polley Mining Corporation	Select Report Format: <input checked="" type="checkbox"/> PDF <input checked="" type="checkbox"/> EXCEL <input type="checkbox"/> EDD (DIGITAL)			Regular [R] <input checked="" type="checkbox"/> Standard TAT if received by 3 pm - business days - no surcharges apply															
Contact:	Colleen Hughes	Quality Control (QC) Report with Report <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			PRIORITY (Business Day)	4 day [P4] <input type="checkbox"/>					EMERGENCY	1 Business day [E1] <input type="checkbox"/>								
Phone:	250-790-2617	<input type="checkbox"/> Compare Results to Criteria on Report - provide details below if box checked				3 day [P3] <input type="checkbox"/>						Same Day, Weekend or Statutory holiday [E0] <input type="checkbox"/>								
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Street:	PO Box 12	Email 1 or Fax chughes@mountpolley.com			For tests that can not be performed according to the service level selected, you will be contacted.															
City/Province:	Likely, BC	Email 2 pstecko@minnow.ca; kbatchelar@minnow.ca			Analysis Request															
Postal Code:	V0L 1N0	Email 3			Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below															
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Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878



L1922929-COFC

COC Number: 15 -

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MOUNT POLLEY MINING CORP.
ATTN: Colleen Hughes
PO Box 12
Likely BC VOL 1N0

Date Received: 26-MAY-17
Report Date: 09-JUN-17 12:00 (MT)
Version: FINAL REV. 2

Client Phone: 250-790-2215

Certificate of Analysis

Lab Work Order #: L1932384
Project P.O. #: NOT SUBMITTED
Job Reference: 177202
C of C Numbers: 14-Q0338
Legal Site Desc:

Comments:

9-JUN-2017 Revision 2: This revision replaces and supersedes previous revision of this report. The sample collection date for the sample, L1932384-1, has been modified.

Can Dang
Senior Account Manager

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ADDRESS: 8081 Lougheed Hwy, Suite 100, Burnaby, BC V5A 1W9 Canada | Phone: +1 604 253 4188 | Fax: +1 604 253 6700
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ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L1932384-1 Water 24-MAY-17 13:25 BOL-B2-DGT	L1932384-2 Water 25-MAY-17 11:30 POL-P2-DGT	L1932384-3 Water 25-MAY-17 11:30 POL-P2-DGT X	
Grouping	Analyte				
WATER					
Physical Tests	Conductivity (uS/cm)	94.4	285	286	
	Hardness (as CaCO3) (mg/L)	39.7	115	113	
	pH (pH)	7.72	8.15	8.18	
	Total Suspended Solids (mg/L)	1.7	3.4	3.3	
	Total Dissolved Solids (mg/L)	75	194	187	
	Turbidity (NTU)	1.04	3.37	3.24	
Anions and Nutrients	Alkalinity, Total (as CaCO3) (mg/L)	42.0	105	103	
	Ammonia, Total (as N) (mg/L)	0.0096	0.0158	0.0156	
	Chloride (Cl) (mg/L)	1.03	1.19	1.19	
	Fluoride (F) (mg/L)	0.056	0.083	0.084	
	Nitrate and Nitrite (as N) (mg/L)	<0.0051	0.0844	0.0826	
	Nitrate (as N) (mg/L)	<0.0050	0.0824	0.0814	
	Nitrite (as N) (mg/L)	<0.0010	0.0020	0.0013	
	Total Nitrogen (mg/L)	0.287	0.354	0.377	
	Orthophosphate-Dissolved (as P) (mg/L)	0.0011	0.0159	0.0159	
	Phosphorus (P)-Total Dissolved (mg/L)	0.0056	0.0210	0.0216	
	Phosphorus (P)-Total (mg/L)	0.0140	0.0245	0.0226	
	Sulfate (SO4) (mg/L)	4.40	43.8	43.8	
Organic / Inorganic Carbon	Dissolved Organic Carbon (mg/L)	5.92 ^{HTP}	5.28 ^{HTP}	5.13 ^{HTP}	
Total Metals	Aluminum (Al)-Total (mg/L)	0.0226	0.123	0.131	
	Antimony (Sb)-Total (mg/L)	<0.00010	0.00010	0.00013	
	Arsenic (As)-Total (mg/L)	0.00026	0.00071	0.00079	
	Barium (Ba)-Total (mg/L)	0.0163	0.0121	0.0128	
	Beryllium (Be)-Total (mg/L)	<0.00010	<0.00010	<0.00010	
	Bismuth (Bi)-Total (mg/L)	<0.000050	<0.000050	<0.000050	
	Boron (B)-Total (mg/L)	0.042	0.025	0.025	
	Cadmium (Cd)-Total (mg/L)	0.0000066	<0.0000050	0.0000051	
	Calcium (Ca)-Total (mg/L)	11.8	37.8	38.8	
	Chromium (Cr)-Total (mg/L)	<0.00050	<0.00050	<0.00050	
	Cobalt (Co)-Total (mg/L)	<0.00010	<0.00010	<0.00010	
	Copper (Cu)-Total (mg/L)	0.00177	0.00519	0.00586	
	Iron (Fe)-Total (mg/L)	0.095	0.076	0.080	
	Lead (Pb)-Total (mg/L)	<0.000050	<0.000050	<0.000050	
	Lithium (Li)-Total (mg/L)	<0.0010	<0.0010	<0.0010	
	Magnesium (Mg)-Total (mg/L)	2.11	5.09	5.99	
	Manganese (Mn)-Total (mg/L)	0.0444	0.0371	0.0388	

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L1932384-1 Water 24-MAY-17 13:25 BOL-B2-DGT	L1932384-2 Water 25-MAY-17 11:30 POL-P2-DGT	L1932384-3 Water 25-MAY-17 11:30 POL-P2-DGT X	
Grouping	Analyte				
WATER					
Total Metals	Molybdenum (Mo)-Total (mg/L)	0.000741	0.00850	0.00955	
	Nickel (Ni)-Total (mg/L)	<0.00050	<0.00050	<0.00050	
	Potassium (K)-Total (mg/L)	0.417	1.20	1.31	
	Selenium (Se)-Total (mg/L)	0.000118	0.000559	0.000620	
	Silicon (Si)-Total (mg/L)	1.12	2.96	3.30	
	Silver (Ag)-Total (mg/L)	<0.000010	<0.000010	<0.000010	
	Sodium (Na)-Total (mg/L)	2.15	8.35	9.28	
	Strontium (Sr)-Total (mg/L)	0.110	0.275	0.309	
	Thallium (Tl)-Total (mg/L)	<0.000010	<0.000010	<0.000010	
	Tin (Sn)-Total (mg/L)	<0.00010	<0.00010	<0.00010	
	Titanium (Ti)-Total (mg/L)	<0.010	<0.010	<0.010	
	Uranium (U)-Total (mg/L)	0.000034	0.000234	0.000261	
	Vanadium (V)-Total (mg/L)	<0.00050	0.00103	0.00117	
	Zinc (Zn)-Total (mg/L)	0.0249	0.0061	0.0067	
Dissolved Metals	Dissolved Metals Filtration Location	FIELD	FIELD	FIELD	
	Aluminum (Al)-Dissolved (mg/L)	0.0062	0.0035	0.0033	
	Antimony (Sb)-Dissolved (mg/L)	<0.00010	0.00010	<0.00010	
	Arsenic (As)-Dissolved (mg/L)	0.00026	0.00073	0.00073	
	Barium (Ba)-Dissolved (mg/L)	0.0176	0.0106	0.0106	
	Beryllium (Be)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	
	Bismuth (Bi)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	
	Boron (B)-Dissolved (mg/L)	0.041	0.024	0.023	
	Cadmium (Cd)-Dissolved (mg/L)	<0.0000050	0.0000080	<0.0000050	
	Calcium (Ca)-Dissolved (mg/L)	12.0	36.7	36.4	
	Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	
	Cobalt (Co)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	
	Copper (Cu)-Dissolved (mg/L)	0.00167	0.00324	0.00318	
	Iron (Fe)-Dissolved (mg/L)	<0.030	<0.030	<0.030	
	Lead (Pb)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	
	Lithium (Li)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	
	Magnesium (Mg)-Dissolved (mg/L)	2.36	5.59	5.45	
	Manganese (Mn)-Dissolved (mg/L)	0.0168	0.00251	0.00214	
	Molybdenum (Mo)-Dissolved (mg/L)	0.000742	0.00837	0.00831	
	Nickel (Ni)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	
	Potassium (K)-Dissolved (mg/L)	0.480	1.33	1.32	
	Selenium (Se)-Dissolved (mg/L)	0.000086	0.000619	0.000545	
	Silicon (Si)-Dissolved (mg/L)	1.16	2.98	2.95	

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L1932384-1 Water 24-MAY-17 13:25 BOL-B2-DGT	L1932384-2 Water 25-MAY-17 11:30 POL-P2-DGT	L1932384-3 Water 25-MAY-17 11:30 POL-P2-DGT X		
Grouping	Analyte					
WATER						
Dissolved Metals	Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010		
	Sodium (Na)-Dissolved (mg/L)	2.59	9.31	9.23		
	Strontium (Sr)-Dissolved (mg/L)	0.114	0.286	0.284		
	Thallium (Tl)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010		
	Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010		
	Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010		
	Uranium (U)-Dissolved (mg/L)	0.000043	0.000256	0.000253		
	Vanadium (V)-Dissolved (mg/L)	<0.00050	0.00085	0.00084		
	Zinc (Zn)-Dissolved (mg/L)	0.0089	0.0442 ^{DTC}	0.0181 ^{DTC}		

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Matrix Spike	Dissolved Organic Carbon	MS-B	L1932384-1, -2, -3
Matrix Spike	Dissolved Organic Carbon	MS-B	L1932384-1, -2, -3
Matrix Spike	Barium (Ba)-Total	MS-B	L1932384-1, -2, -3
Matrix Spike	Calcium (Ca)-Total	MS-B	L1932384-1, -2, -3
Matrix Spike	Magnesium (Mg)-Total	MS-B	L1932384-1, -2, -3
Matrix Spike	Strontium (Sr)-Total	MS-B	L1932384-1, -2, -3
Matrix Spike	Sulfate (SO4)	MS-B	L1932384-1, -2, -3

Qualifiers for Individual Parameters Listed:

Qualifier	Description
DTC	Dissolved concentration exceeds total. Results were confirmed by re-analysis.
HTP	Sample preparation or preservation hold time was exceeded.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
ALK-TITR-VA	Water	Alkalinity Species by Titration	APHA 2320 Alkalinity
This analysis is carried out using procedures adapted from APHA Method 2320 "Alkalinity". Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.			
ANIONS-N+N-CALC-VA	Water	Nitrite & Nitrate in Water (Calculation)	EPA 300.0
Nitrate and Nitrite (as N) is a calculated parameter. Nitrate and Nitrite (as N) = Nitrite (as N) + Nitrate (as N).			
CARBONS-DOC-VA	Water	Dissolved organic carbon by combustion	APHA 5310B TOTAL ORGANIC CARBON (TOC)
This analysis is carried out using procedures adapted from APHA Method 5310 "Total Organic Carbon (TOC)". Dissolved carbon (DOC) fractions are determined by filtering the sample through a 0.45 micron membrane filter prior to analysis.			
CL-IC-N-VA	Water	Chloride in Water by IC	EPA 300.1 (mod)
Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.			
EC-PCT-VA	Water	Conductivity (Automated)	APHA 2510 Auto. Conduc.
This analysis is carried out using procedures adapted from APHA Method 2510 "Conductivity". Conductivity is determined using a conductivity electrode.			
EC-SCREEN-VA	Water	Conductivity Screen (Internal Use Only)	APHA 2510
Qualitative analysis of conductivity where required during preparation of other tests - e.g. TDS, metals, etc.			
F-IC-N-VA	Water	Fluoride in Water by IC	EPA 300.1 (mod)
Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.			
HARDNESS-CALC-VA	Water	Hardness	APHA 2340B
Hardness (also known as Total Hardness) is calculated from the sum of Calcium and Magnesium concentrations, expressed in CaCO3 equivalents. Dissolved Calcium and Magnesium concentrations are preferentially used for the hardness calculation.			
MET-D-CCMS-VA	Water	Dissolved Metals in Water by CRC ICPMS	APHA 3030B/6020A (mod)
Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by CRC ICPMS.			
Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.			
MET-T-CCMS-VA	Water	Total Metals in Water by CRC ICPMS	EPA 200.2/6020A (mod)
Water samples are digested with nitric and hydrochloric acids, and analyzed by CRC ICPMS.			
Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.			
N-T-COL-VA	Water	Total Nitrogen in water by Colour	APHA4500-P(J)/NEMI9171/USGS03-4174
This analysis is carried out using procedures adapted from APHA Method 4500-P (J) "Persulphate Method for Simultaneous Determination of Total Nitrogen and Total Phosphorus" and National Environmental Methods Index - Nemi method 5735.			
NH3-F-VA	Water	Ammonia in Water by Fluorescence	APHA 4500 NH3-NITROGEN (AMMONIA)
This analysis is carried out, on sulfuric acid preserved samples, using procedures modified from J. Environ. Monit., 2005, 7, 37 - 42, The Royal Society of Chemistry, "Flow-injection analysis with fluorescence detection for the determination of trace levels of ammonium in seawater", Roslyn J. Waston et al.			

Reference Information

NH3-F-VA	Water	Ammonia in Water by Fluorescence	J. ENVIRON. MONIT., 2005, 7, 37-42, RSC
This analysis is carried out, on sulfuric acid preserved samples, using procedures modified from J. Environ. Monit., 2005, 7, 37 - 42, The Royal Society of Chemistry, "Flow-injection analysis with fluorescence detection for the determination of trace levels of ammonium in seawater", Roslyn J. Waston et al.			
NO2-L-IC-N-VA	Water	Nitrite in Water by IC (Low Level)	EPA 300.1 (mod)
Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.			
NO3-L-IC-N-VA	Water	Nitrate in Water by IC (Low Level)	EPA 300.1 (mod)
Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.			
P-T-PRES-COL-VA	Water	Total P in Water by Colour	APHA 4500-P Phosphorus
This analysis is carried out using procedures adapted from APHA Method 4500-P "Phosphorus". Total Phosphorus is determined colourimetrically after persulphate digestion of the sample. Samples with very high dissolved solids (i.e. seawaters, brackish waters) may produce a negative bias by this method. Alternate methods are available for these types of samples.			
P-TD-COL-VA	Water	Total Dissolved P in Water by Colour	APHA 4500-P Phosphorous
This analysis is carried out using procedures adapted from APHA Method 4500-P "Phosphorus". Total Dissolved Phosphorus is determined colourimetrically after persulphate digestion of a sample that has been lab or field filtered through a 0.45 micron membrane filter. Samples with very high dissolved solids (i.e. seawaters, brackish waters) may produce a negative bias by this method. Alternate methods are available for these types of samples.			
PH-PCT-VA	Water	pH by Meter (Automated)	APHA 4500-H "pH Value"
This analysis is carried out using procedures adapted from APHA Method 4500-H "pH Value". The pH is determined in the laboratory using a pH electrode It is recommended that this analysis be conducted in the field.			
PH-PCT-VA	Water	pH by Meter (Automated)	APHA 4500-H pH Value
This analysis is carried out using procedures adapted from APHA Method 4500-H "pH Value". The pH is determined in the laboratory using a pH electrode It is recommended that this analysis be conducted in the field.			
PO4-DO-COL-VA	Water	Diss. Orthophosphate in Water by Colour	APHA 4500-P Phosphorus
This analysis is carried out using procedures adapted from APHA Method 4500-P "Phosphorus". Dissolved Orthophosphate is determined colourimetrically on a sample that has been lab or field filtered through a 0.45 micron membrane filter. Samples with very high dissolved solids (i.e. seawaters, brackish waters) may produce a negative bias by this method. Alternate methods are available for these types of samples.			
SO4-IC-N-VA	Water	Sulfate in Water by IC	EPA 300.1 (mod)
Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.			
TDS-VA	Water	Total Dissolved Solids by Gravimetric	APHA 2540 C - GRAVIMETRIC
This analysis is carried out using procedures adapted from APHA Method 2540 "Solids". Solids are determined gravimetrically. Total Dissolved Solids (TDS) are determined by filtering a sample through a glass fibre filter, TDS is determined by evaporating the filtrate to dryness at 180 degrees celsius.			
TSS-WB-VA	Water	Suspended Solids (whole sample) - Grav.	APHA 2540D
This analysis is carried out using procedures adapted from APHA Method 2540 "Solids". Solids are determined gravimetrically. Total suspended solids (TSS) are determined by filtering a sample through a glass fibre filter, TSS is determined by drying the filter at 104 degrees celsius. Samples containing very high dissolved solid content (i.e. seawaters, brackish waters) may produce a positive bias by this method. Alternate analysis methods are available for these types of samples.			
TURBIDITY-VA	Water	Turbidity by Meter	APHA 2130 Turbidity
This analysis is carried out using procedures adapted from APHA Method 2130 "Turbidity". Turbidity is determined by the nephelometric method.			

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

14-Q0338

Reference Information

GLOSSARY OF REPORT TERMS

Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

mg/kg - milligrams per kilogram based on dry weight of sample.

mg/kg wwt - milligrams per kilogram based on wet weight of sample.

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight of sample.

mg/L - milligrams per litre.

< - Less than.

D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



MOUNT POLLEY MINING CORP.
ATTN: Colleen Hughes
PO Box 12
Likely BC VOL 1N0

Date Received: 30-MAY-17
Report Date: 08-JUN-17 18:54 (MT)
Version: FINAL

Client Phone: 250-790-2215

Certificate of Analysis

Lab Work Order #: L1933353
Project P.O. #: NOT SUBMITTED
Job Reference: 177202-20
C of C Numbers:
Legal Site Desc:

Can Dang
Senior Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1933353-1	L1933353-2	L1933353-3	L1933353-4	L1933353-5
		Description	Water	Water	Water	Water	Water
		Sampled Date	28-MAY-17	28-MAY-17	28-MAY-17	28-MAY-17	28-MAY-17
		Sampled Time	09:20	10:00	11:20	11:40	11:40
		Client ID	PREF-DGT	PNF-DGT	QUL-18-0M	QUL-18-20M	QUL-R-20M
Grouping	Analyte						
WATER							
Physical Tests	Conductivity (uS/cm)		107	112	111	111	110
	Hardness (as CaCO3) (mg/L)		58.4	56.8	53.5	52.5	55.0
	pH (pH)		7.83	7.84	7.87	7.86	7.85
	Total Suspended Solids (mg/L)		<1.0	<1.0	<1.0	<1.0	<1.0
	Total Dissolved Solids (mg/L)		78	80	76	74	72
	Turbidity (NTU)		0.35	0.75	0.29	0.37	0.35
Anions and Nutrients	Alkalinity, Total (as CaCO3) (mg/L)		49.8	49.4	50.0	49.0	50.1
	Ammonia, Total (as N) (mg/L)		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	Chloride (Cl) (mg/L)		<0.50	<0.50	<0.50	<0.50	<0.50
	Fluoride (F) (mg/L)		0.033	0.034	0.034	0.034	0.034
	Nitrate and Nitrite (as N) (mg/L)		0.136	0.141	0.128	0.134	0.135
	Nitrate (as N) (mg/L)		0.136	0.141	0.128	0.134	0.135
	Nitrite (as N) (mg/L)		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Total Nitrogen (mg/L)		0.198	0.209	0.196	0.189	0.188
	Orthophosphate-Dissolved (as P) (mg/L)		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Phosphorus (P)-Total Dissolved (mg/L)		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Phosphorus (P)-Total (mg/L)		0.0045	<0.0040 ^{DLM}	<0.0040 ^{DLM}	<0.0040 ^{DLM}	<0.0040 ^{DLM}
	Sulfate (SO4) (mg/L)		6.28	7.34	6.90	6.91	6.79
Organic / Inorganic Carbon	Dissolved Organic Carbon (mg/L)		1.98	2.03	2.16	2.01	1.95
Total Metals	Aluminum (Al)-Total (mg/L)		0.0288	0.0534	0.0157	0.0235	0.0213
	Antimony (Sb)-Total (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Arsenic (As)-Total (mg/L)		0.00013	0.00014	0.00014	0.00013	0.00012
	Barium (Ba)-Total (mg/L)		0.00613	0.00637	0.00562	0.00581	0.00556
	Beryllium (Be)-Total (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Bismuth (Bi)-Total (mg/L)		<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Boron (B)-Total (mg/L)		<0.010	<0.010	<0.010	<0.010	<0.010
	Cadmium (Cd)-Total (mg/L)		0.0000051	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Calcium (Ca)-Total (mg/L)		17.5	18.0	17.9	17.5	17.6
	Chromium (Cr)-Total (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Cobalt (Co)-Total (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Copper (Cu)-Total (mg/L)		0.00063	0.00181	0.00091	0.00096	0.00097
	Iron (Fe)-Total (mg/L)		0.040	0.039	<0.030	<0.030	<0.030
	Lead (Pb)-Total (mg/L)		<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Lithium (Li)-Total (mg/L)		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Magnesium (Mg)-Total (mg/L)		2.12	2.19	2.19	2.16	2.14
	Manganese (Mn)-Total (mg/L)		0.00508	0.00390	0.00115	0.00152	0.00157

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1933353-6	L1933353-7		
		Description	Water	Water		
		Sampled Date	28-MAY-17	28-MAY-17		
		Sampled Time	12:00	12:20		
		Client ID	QUL-18-50M	QUL-18-100M		
Grouping	Analyte					
WATER						
Physical Tests	Conductivity (uS/cm)	111	111			
	Hardness (as CaCO3) (mg/L)	53.0	53.7			
	pH (pH)	7.85	7.85			
	Total Suspended Solids (mg/L)	<1.0	<1.0			
	Total Dissolved Solids (mg/L)	74	75			
	Turbidity (NTU)	0.39	0.81			
Anions and Nutrients	Alkalinity, Total (as CaCO3) (mg/L)	49.3	50.2			
	Ammonia, Total (as N) (mg/L)	<0.0050	<0.0050			
	Chloride (Cl) (mg/L)	<0.50	<0.50			
	Fluoride (F) (mg/L)	0.035	0.034			
	Nitrate and Nitrite (as N) (mg/L)	0.137	0.141			
	Nitrate (as N) (mg/L)	0.137	0.141			
	Nitrite (as N) (mg/L)	<0.0010	<0.0010			
	Total Nitrogen (mg/L)	0.192	0.199			
	Orthophosphate-Dissolved (as P) (mg/L)	<0.0010	<0.0010			
	Phosphorus (P)-Total Dissolved (mg/L)	<0.0020	<0.0020			
	Phosphorus (P)-Total (mg/L)	<0.0040 ^{DLM}	<0.0040 ^{DLM}			
	Sulfate (SO4) (mg/L)	7.12	7.33			
Organic / Inorganic Carbon	Dissolved Organic Carbon (mg/L)	1.89	2.14			
Total Metals	Aluminum (Al)-Total (mg/L)	0.0211	0.0430			
	Antimony (Sb)-Total (mg/L)	<0.00010	<0.00010			
	Arsenic (As)-Total (mg/L)	0.00012	0.00013			
	Barium (Ba)-Total (mg/L)	0.00573	0.00602			
	Beryllium (Be)-Total (mg/L)	<0.00010	<0.00010			
	Bismuth (Bi)-Total (mg/L)	<0.000050	<0.000050			
	Boron (B)-Total (mg/L)	<0.010	<0.010			
	Cadmium (Cd)-Total (mg/L)	<0.0000050	<0.0000050			
	Calcium (Ca)-Total (mg/L)	17.3	17.7			
	Chromium (Cr)-Total (mg/L)	<0.00050	<0.00050			
	Cobalt (Co)-Total (mg/L)	<0.00010	<0.00010			
	Copper (Cu)-Total (mg/L)	0.00098	0.00164			
	Iron (Fe)-Total (mg/L)	<0.030	0.030			
	Lead (Pb)-Total (mg/L)	<0.000050	<0.000050			
	Lithium (Li)-Total (mg/L)	<0.0010	<0.0010			
	Magnesium (Mg)-Total (mg/L)	2.16	2.07			
	Manganese (Mn)-Total (mg/L)	0.00133	0.00199			

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1933353-1 Water 28-MAY-17 09:20 PREF-DGT	L1933353-2 Water 28-MAY-17 10:00 PNF-DGT	L1933353-3 Water 28-MAY-17 11:20 QUL-18-0M	L1933353-4 Water 28-MAY-17 11:40 QUL-18-20M	L1933353-5 Water 28-MAY-17 11:40 QUL-R-20M
Grouping	Analyte					
WATER						
Total Metals	Molybdenum (Mo)-Total (mg/L)	0.000381	0.000703	0.000568	0.000563	0.000493
	Nickel (Ni)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Potassium (K)-Total (mg/L)	0.513	0.552	0.521	0.519	0.517
	Selenium (Se)-Total (mg/L)	0.000089	0.000184	0.000183	0.000160	0.000172
	Silicon (Si)-Total (mg/L)	1.82	1.81	1.84	1.78	1.80
	Silver (Ag)-Total (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Sodium (Na)-Total (mg/L)	1.03	1.18	1.11	1.07	1.06
	Strontium (Sr)-Total (mg/L)	0.137	0.144	0.142	0.141	0.139
	Thallium (Tl)-Total (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Tin (Sn)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Titanium (Ti)-Total (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010
	Uranium (U)-Total (mg/L)	0.000164	0.000168	0.000162	0.000162	0.000160
	Vanadium (V)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Zinc (Zn)-Total (mg/L)	0.0095	0.0049	<0.0030	0.0044	0.0042
Dissolved Metals	Dissolved Metals Filtration Location	FIELD	FIELD	FIELD	FIELD	FIELD
	Aluminum (Al)-Dissolved (mg/L)	0.0065	0.0069	0.0070	0.0053	0.0061
	Antimony (Sb)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Arsenic (As)-Dissolved (mg/L)	<0.00010	0.00011	0.00013	0.00011	<0.00010
	Barium (Ba)-Dissolved (mg/L)	0.00525	0.00514	0.00551	0.00526	0.00530
	Beryllium (Be)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Bismuth (Bi)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Boron (B)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010
	Cadmium (Cd)-Dissolved (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Calcium (Ca)-Dissolved (mg/L)	20.0	19.4	17.9	17.6	18.5
	Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Cobalt (Co)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Copper (Cu)-Dissolved (mg/L)	0.00060	0.00079	0.00074	0.00064	0.00064
	Iron (Fe)-Dissolved (mg/L)	<0.030	<0.030	<0.030	<0.030	<0.030
	Lead (Pb)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Lithium (Li)-Dissolved (mg/L)	<0.0010	<0.0010	0.0011	0.0010	<0.0010
	Magnesium (Mg)-Dissolved (mg/L)	2.08	2.05	2.17	2.07	2.12
	Manganese (Mn)-Dissolved (mg/L)	0.00279	0.00174	0.00092	0.00022	0.00019
	Molybdenum (Mo)-Dissolved (mg/L)	0.000403	0.000759	0.000513	0.000496	0.000501
	Nickel (Ni)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Potassium (K)-Dissolved (mg/L)	0.482	0.483	0.528	0.519	0.502
	Selenium (Se)-Dissolved (mg/L)	0.000112	0.000170	0.000145	0.000150	0.000110
	Silicon (Si)-Dissolved (mg/L)	1.77	1.71	1.70	1.67	1.69

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L1933353-6 Water 28-MAY-17 12:00 QUL-18-50M	L1933353-7 Water 28-MAY-17 12:20 QUL-18-100M		
Grouping	Analyte				
WATER					
Total Metals	Molybdenum (Mo)-Total (mg/L)	0.000610	0.000695		
	Nickel (Ni)-Total (mg/L)	<0.00050	<0.00050		
	Potassium (K)-Total (mg/L)	0.513	0.506		
	Selenium (Se)-Total (mg/L)	0.000165	0.000148		
	Silicon (Si)-Total (mg/L)	1.77	1.82		
	Silver (Ag)-Total (mg/L)	<0.000010	<0.000010		
	Sodium (Na)-Total (mg/L)	1.09	1.08		
	Strontium (Sr)-Total (mg/L)	0.142	0.141		
	Thallium (Tl)-Total (mg/L)	<0.000010	<0.000010		
	Tin (Sn)-Total (mg/L)	<0.00010	<0.00010		
	Titanium (Ti)-Total (mg/L)	<0.010	<0.010		
	Uranium (U)-Total (mg/L)	0.000158	0.000164		
	Vanadium (V)-Total (mg/L)	<0.00050	<0.00050		
	Zinc (Zn)-Total (mg/L)	<0.0030	0.0032		
Dissolved Metals	Dissolved Metals Filtration Location	FIELD	FIELD		
	Aluminum (Al)-Dissolved (mg/L)	0.0068	0.0069		
	Antimony (Sb)-Dissolved (mg/L)	<0.00010	<0.00010		
	Arsenic (As)-Dissolved (mg/L)	0.00017	0.00012		
	Barium (Ba)-Dissolved (mg/L)	0.00547	0.00557		
	Beryllium (Be)-Dissolved (mg/L)	<0.00010	<0.00010		
	Bismuth (Bi)-Dissolved (mg/L)	<0.000050	<0.000050		
	Boron (B)-Dissolved (mg/L)	<0.010	<0.010		
	Cadmium (Cd)-Dissolved (mg/L)	<0.0000050	<0.0000050		
	Calcium (Ca)-Dissolved (mg/L)	17.7	17.9		
	Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.00050		
	Cobalt (Co)-Dissolved (mg/L)	<0.00010	<0.00010		
	Copper (Cu)-Dissolved (mg/L)	0.00071	0.00106		
	Iron (Fe)-Dissolved (mg/L)	<0.030	<0.030		
	Lead (Pb)-Dissolved (mg/L)	<0.000050	<0.000050		
	Lithium (Li)-Dissolved (mg/L)	0.0011	0.0010		
	Magnesium (Mg)-Dissolved (mg/L)	2.13	2.15		
	Manganese (Mn)-Dissolved (mg/L)	0.00021	0.00015		
	Molybdenum (Mo)-Dissolved (mg/L)	0.000561	0.000624		
	Nickel (Ni)-Dissolved (mg/L)	<0.00050	<0.00050		
	Potassium (K)-Dissolved (mg/L)	0.530	0.538		
	Selenium (Se)-Dissolved (mg/L)	0.000152	0.000145		
	Silicon (Si)-Dissolved (mg/L)	1.67	1.71		

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1933353-1	L1933353-2	L1933353-3	L1933353-4	L1933353-5
		Description	Water	Water	Water	Water	Water
		Sampled Date	28-MAY-17	28-MAY-17	28-MAY-17	28-MAY-17	28-MAY-17
		Sampled Time	09:20	10:00	11:20	11:40	11:40
		Client ID	PREF-DGT	PNF-DGT	QUL-18-0M	QUL-18-20M	QUL-R-20M
Grouping	Analyte						
WATER							
Dissolved Metals	Silver (Ag)-Dissolved (mg/L)		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Sodium (Na)-Dissolved (mg/L)		0.981	1.08	1.08	1.03	1.05
	Strontium (Sr)-Dissolved (mg/L)		0.149	0.146	0.136	0.136	0.142
	Thallium (Tl)-Dissolved (mg/L)		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Tin (Sn)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Titanium (Ti)-Dissolved (mg/L)		<0.010	<0.010	<0.010	<0.010	<0.010
	Uranium (U)-Dissolved (mg/L)		0.000159	0.000165	0.000138	0.000135	0.000147
	Vanadium (V)-Dissolved (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Zinc (Zn)-Dissolved (mg/L)		0.0143	0.0097	<0.0030	<0.0030	<0.0030

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1933353-6	L1933353-7			
		Description	Water	Water			
		Sampled Date	28-MAY-17	28-MAY-17			
		Sampled Time	12:00	12:20			
		Client ID	QUL-18-50M	QUL-18-100M			
Grouping	Analyte						
WATER							
Dissolved Metals	Silver (Ag)-Dissolved (mg/L)		<0.000010	<0.000010			
	Sodium (Na)-Dissolved (mg/L)		1.07	1.12			
	Strontium (Sr)-Dissolved (mg/L)		0.137	0.136			
	Thallium (Tl)-Dissolved (mg/L)		<0.000010	<0.000010			
	Tin (Sn)-Dissolved (mg/L)		<0.00010	<0.00010			
	Titanium (Ti)-Dissolved (mg/L)		<0.010	<0.010			
	Uranium (U)-Dissolved (mg/L)		0.000133	0.000138			
	Vanadium (V)-Dissolved (mg/L)		<0.00050	<0.00050			
	Zinc (Zn)-Dissolved (mg/L)		<0.0030	<0.0030			

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Matrix Spike	Calcium (Ca)-Total	MS-B	L1933353-1, -2, -3, -4, -5, -6, -7
Matrix Spike	Magnesium (Mg)-Total	MS-B	L1933353-1, -2, -3, -4, -5, -6, -7
Matrix Spike	Strontium (Sr)-Total	MS-B	L1933353-1, -2, -3, -4, -5, -6, -7

Qualifiers for Individual Parameters Listed:

Qualifier	Description
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
ALK-TITR-VA	Water	Alkalinity Species by Titration	APHA 2320 Alkalinity
This analysis is carried out using procedures adapted from APHA Method 2320 "Alkalinity". Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.			
ANIONS-N+N-CALC-VA	Water	Nitrite & Nitrate in Water (Calculation)	EPA 300.0
Nitrate and Nitrite (as N) is a calculated parameter. Nitrate and Nitrite (as N) = Nitrite (as N) + Nitrate (as N).			
CARBONS-DOC-VA	Water	Dissolved organic carbon by combustion	APHA 5310B TOTAL ORGANIC CARBON (TOC)
This analysis is carried out using procedures adapted from APHA Method 5310 "Total Organic Carbon (TOC)". Dissolved carbon (DOC) fractions are determined by filtering the sample through a 0.45 micron membrane filter prior to analysis.			
CL-IC-N-VA	Water	Chloride in Water by IC	EPA 300.1 (mod)
Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.			
EC-PCT-VA	Water	Conductivity (Automated)	APHA 2510 Auto. Conduc.
This analysis is carried out using procedures adapted from APHA Method 2510 "Conductivity". Conductivity is determined using a conductivity electrode.			
EC-SCREEN-VA	Water	Conductivity Screen (Internal Use Only)	APHA 2510
Qualitative analysis of conductivity where required during preparation of other tests - e.g. TDS, metals, etc.			
F-IC-N-VA	Water	Fluoride in Water by IC	EPA 300.1 (mod)
Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.			
HARDNESS-CALC-VA	Water	Hardness	APHA 2340B
Hardness (also known as Total Hardness) is calculated from the sum of Calcium and Magnesium concentrations, expressed in CaCO ₃ equivalents. Dissolved Calcium and Magnesium concentrations are preferentially used for the hardness calculation.			
MET-D-CCMS-VA	Water	Dissolved Metals in Water by CRC ICPMS	APHA 3030B/6020A (mod)
Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by CRC ICPMS.			
Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.			
MET-T-CCMS-VA	Water	Total Metals in Water by CRC ICPMS	EPA 200.2/6020A (mod)
Water samples are digested with nitric and hydrochloric acids, and analyzed by CRC ICPMS.			
Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.			
N-T-COL-VA	Water	Total Nitrogen in water by Colour	APHA4500-P(J)/NEMI9171/USGS03-4174
This analysis is carried out using procedures adapted from APHA Method 4500-P (J) "Persulphate Method for Simultaneous Determination of Total Nitrogen and Total Phosphorus" and National Environmental Methods Index - Nemi method 5735.			
NH3-F-VA	Water	Ammonia in Water by Fluorescence	APHA 4500 NH3-NITROGEN (AMMONIA)
This analysis is carried out, on sulfuric acid preserved samples, using procedures modified from J. Environ. Monit., 2005, 7, 37 - 42, The Royal Society of Chemistry, "Flow-injection analysis with fluorescence detection for the determination of trace levels of ammonium in seawater", Roslyn J. Waston et al.			
NH3-F-VA	Water	Ammonia in Water by Fluorescence	J. ENVIRON. MONIT., 2005, 7, 37-42, RSC
This analysis is carried out, on sulfuric acid preserved samples, using procedures modified from J. Environ. Monit., 2005, 7, 37 - 42, The Royal Society of Chemistry, "Flow-injection analysis with fluorescence detection for the determination of trace levels of ammonium in seawater", Roslyn J. Waston et al.			
NO2-L-IC-N-VA	Water	Nitrite in Water by IC (Low Level)	EPA 300.1 (mod)

Reference Information

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

NO3-L-IC-N-VA Water Nitrate in Water by IC (Low Level) EPA 300.1 (mod)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

P-T-PRES-COL-VA Water Total P in Water by Colour APHA 4500-P Phosphorus

This analysis is carried out using procedures adapted from APHA Method 4500-P "Phosphorus". Total Phosphorus is determined colourimetrically after persulphate digestion of the sample.

Samples with very high dissolved solids (i.e. seawaters, brackish waters) may produce a negative bias by this method. Alternate methods are available for these types of samples.

P-TD-COL-VA Water Total Dissolved P in Water by Colour APHA 4500-P Phosphorous

This analysis is carried out using procedures adapted from APHA Method 4500-P "Phosphorus". Total Dissolved Phosphorus is determined colourimetrically after persulphate digestion of a sample that has been lab or field filtered through a 0.45 micron membrane filter.

Samples with very high dissolved solids (i.e. seawaters, brackish waters) may produce a negative bias by this method. Alternate methods are available for these types of samples.

PH-PCT-VA Water pH by Meter (Automated) APHA 4500-H "pH Value"

This analysis is carried out using procedures adapted from APHA Method 4500-H "pH Value". The pH is determined in the laboratory using a pH electrode

It is recommended that this analysis be conducted in the field.

PH-PCT-VA Water pH by Meter (Automated) APHA 4500-H pH Value

This analysis is carried out using procedures adapted from APHA Method 4500-H "pH Value". The pH is determined in the laboratory using a pH electrode

It is recommended that this analysis be conducted in the field.

PO4-DO-COL-VA Water Diss. Orthophosphate in Water by Colour APHA 4500-P Phosphorus

This analysis is carried out using procedures adapted from APHA Method 4500-P "Phosphorus". Dissolved Orthophosphate is determined colourimetrically on a sample that has been lab or field filtered through a 0.45 micron membrane filter.

Samples with very high dissolved solids (i.e. seawaters, brackish waters) may produce a negative bias by this method. Alternate methods are available for these types of samples.

SO4-IC-N-VA Water Sulfate in Water by IC EPA 300.1 (mod)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

TDS-VA Water Total Dissolved Solids by Gravimetric APHA 2540 C - GRAVIMETRIC

This analysis is carried out using procedures adapted from APHA Method 2540 "Solids". Solids are determined gravimetrically. Total Dissolved Solids (TDS) are determined by filtering a sample through a glass fibre filter, TDS is determined by evaporating the filtrate to dryness at 180 degrees celsius.

TSS-WB-VA Water Suspended Solids (whole sample) - Grav. APHA 2540D

This analysis is carried out using procedures adapted from APHA Method 2540 "Solids". Solids are determined gravimetrically. Total suspended solids (TSS) are determined by filtering a sample through a glass fibre filter, TSS is determined by drying the filter at 104 degrees celsius.

Samples containing very high dissolved solid content (i.e. seawaters, brackish waters) may produce a positive bias by this method. Alternate analysis methods are available for these types of samples.

TURBIDITY-VA Water Turbidity by Meter APHA 2130 Turbidity

This analysis is carried out using procedures adapted from APHA Method 2130 "Turbidity". Turbidity is determined by the nephelometric method.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

Reference Information

GLOSSARY OF REPORT TERMS

Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

mg/kg - milligrams per kilogram based on dry weight of sample.

mg/kg wwt - milligrams per kilogram based on wet weight of sample.

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight of sample.

mg/L - milligrams per litre.

< - Less than.

D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

