Mount Polley Mining Corporation

an Imperial Metals company
Box 12 • Likely, BC V0L 1N0 • T 250.790.2215 • F 250.790.2613

October 6, 2014

Ministry of Environment
Mining Operations Environmental Protection
2080 Labieux Rd.
Nanaimo, BC
V9T 6J9

ATTN: Hubert Bunce, Mining Director, Environmental Protection

RE: Weekly Environmental Monitoring Update for the Week of September 24 – 30, 2014

Dear Mr. Bunce,

As per the Pollution Abatement Order issued to Mount Polley Mining Corporation (MPMC) by the Ministry of Environment (MOE) on August 5, 2014, a Comprehensive Environmental Impact Assessment (CEIA) of the impacts associated with the MPMC Tailings Storage Facility (TSF) breach is being carried out. As required under the Pollution Abatement Order, and as outlined in the Schedule and Reporting section of the CEIA submitted to MOE on August 15, 2014, this weekly update provides a high level summary of the following:

- Monitoring that occurred during the preceding week, and what is planned for the upcoming week, including where sampling is occurring and what is being sampled for;
- Any modifications to the sampling/monitoring program;
- Any gaps identified in the monitoring program and next actions;
- Visual observations made by field staff during sampling; and
- A list of all the sampling sites with a map that is updated as it changes.

To fulfill an additional request made by the MOE, this report also includes available results sample results.

This report provides a monitoring update for the week of September 24 – 30, 2014; the reporting week of Tuesday to Tuesday is used to allow time for data to be reviewed for quality assurance and quality control purposes prior to report submission on Friday.

Water Management

As of September 4, 2014, flow from the Tailings Storage Facility (TSF) breach has been contained and all mine-influenced runoff water on site has been re-directed, and no longer flows into Hazeltine Creek.
Water continues to be pumped from Polley Lake into Hazeltine Creek to draw down the water level (which increased due to the TSF breach) and reduce pressure on the tailings plug at the

Polley Lake outflow. The Polley Lake water level as of September 30, 2014 is 922.24 m, and has decreased 1.25 m since the breach.

The satellite dyke was constructed to stabilize the steep tailings channels and control runoff water flow. They dyke also allows access to two areas where water is collecting in the TSF for pump installation, and was completed September 9, 2014.

No breaches of the water containment systems occurred this week.

Sediment and Erosion Control Measures

Based on visual inspection of the silt curtain installed at the mouth of Hazeltine Creek into Quesnel Lake appears to be in good condition and is helping to remove suspended solids from the water column.

Construction of a replacement bridge on the Gavin Lake Forest Service Road at Hazeltine Creek was completed this week, and a bridge at the Ditch Road Hazeltine Creek crossing is projected to be completed by Friday October 3, 2014. Installation of Hazeltine Creek sediment ponds is scheduled to begin October 8, 2014. For all work being completed in the creek, interim sediment and erosion control works are installed, as required, and a full time qualified environmental monitor is on site supervising the work.

Water Quality Monitoring Program

Drawings 621717-005-P1 through 621717-P8 (Figure 5, attached) show locations that have been sampled as part of the water quality monitoring program.

The following parameters continue to form the basis for the monitoring program and evaluating impacts to water quality as a result of the release:

- In situ parameters (including lake profiles and the Quesnel River continuous monitoring sonde): specific conductance, turbidity, temperature, pH, and dissolved oxygen;
- Physical parameters: pH, conductivity, turbidity, total suspended and dissolved solids, hardness;
- Total and dissolved metals (excluding mercury);
- Anions: sulphate, chloride, fluoride;
- Nutrients: total ammonia, nitrate, nitrite, total nitrogen, orthophosphate, total phosphorous, dissolved phosphorous;
- Dissolved organic carbon; and
- Toxicity testing.

<u>Results</u>

Table A (below) summarizes water quality monitoring completed to date. With the exception of toxicity testing, results have been provided in the attached tables:

- 1a – Quesnel Lake & River surface water;
- 1b - Quesnel Lake & River blanks;
- 1e - Quesnel Lake & River chlorophyll;
- 3a – Polley Lake surface water;
- 3b – Polley Lake blanks;
- 3d – Polley Lake chlorophyll;
- 4a – Hazeltine Creek surface water; and

- 4b – Hazeltine Creek blanks.

Results of the toxicity testing completed to date are provided in Table B. Continuous in situ turbidity data collected from QUR-1 (Quesnel River at the Quesnel River Research Centre) are provided in Figure A.

TABLE A: Summary of water quality monitoring programs

Monitoring Program	Area	Frequency	Sample Locations
Surface Water Sampling Program	***Polley Lake***	***Single Sample***	Previously sampled sites: • POL-1, POL-3, POL-4.
		Repeated Sites	Week of September 24 – 30, 2014: • Continued weekly profiles and samples at surface and bottom at POL-5, POL-6. • P1 and P2 were not complete as schedule September 30 as planned due to the need for additional staff to obtain their boating licences. This work will be completed as soon as possible in the following monitoring week.
	Polley Discharge and Hazeltine Creek	***Single Sample***	Previously sampled sites: • HAC-02, HAC-03, HAC-04, HAC-06.
		Repeated Sites	Week of September 24 – 30, 2014: • Continued weekly monitoring at HAD-1, with field parameters measured at HAD-2 to confirm that the water chemistry of the two discharge pipes is consistent. • Continued weekly monitoring at HAC-05. • Continued daily monitoring at HAC-01 with the exception of September 26 when the water level had dropped and sample point was inaccessible. September 28 – 30 the sample point was moved approximately 30m upstream to a more accessible area. The upstream sample location has been called HAC-01a and is being monitored on a daily basis in place of HAC-01.
	Quesnel River	***Repeated Sites***	Week of September 24 – 30, 2014: • Continued daily sampling at QUR-1: ISCO automatic sampler collects 3 samples per day, and a fourth grab sample is also collected. No samples missed this week. • A data logger records measurements of pH, temperature, conductivity, turbidity, dissolved oxygen, and specific conductance every 15 minutes.
	Quesnel Lake (Surface Grabs)	***Single Sample***	Previously sampled sites: • QUL-4 to QUR-8, QUR-11 to QUR-16, QUL-30, QUL-31, QUR-69, QUL-74, QUL-75, QUL-87, QUL-96.
		Repeated Sites	Previously sampled sites: • QUL-1, QUL-9, QUL-10, QUL-17, QUL-28. Week of September 24 – 30, 2014: • Surface sample at QUL-23 completed once per week and QUL-20 twice per week. No samples missed this week.
	Quesnel Lake (Profiles and Samples through Water Column)	***Single Sample***	Previously sampled sites: • QUL-28, QUL-65, QUL-67, QUL-68, QUL-70, QUL-71, QUL-72, QUL-73, QUL-76, QUL-78, QUL-80, QUL-106.
		Repeated Sites	Previously sampled sites: • QUL-3, QUL-19, QUL-26 Week of September 24 – 30, 2014: • Profiles at QUL-20 completed two times per week to confirm that the water column is well mixed and that a surface sample is representative. • QUL-2, QUL-2a, QUL-18, QUL-21,QUL-21a, QUL-22, QUL-31a, QUL-40a, QUL-66, QUL-66a, and QUL-119** are monitored once per week. Samples are collected at surface, at 40m depth, and at 80m depth (or 5m from bottom for locations less than 80m deep). No samples missed this week. • QUL-40, QUL-79, QUL-87, QUL-112*, and QUL-120 are monitored twice per week. Samples are collected at surface, at 40m depths, and at 80m depth (or 5m from bottom for locations less than 80m deep). No samples missed this week. *Waiting for additional sampling equipment to begin sampling QUL-76 (over 100m deep). QUL-112 is located closer to shore and has been selected as a replacement until longer profile cords are delivered. ** Waiting for additional sampling equipment to begin sampling QUL-110 (over 100m deep). QUL-119 is located closer to shore and has been selected as a replacement until longer profile cords are delivered.
Residential Water Intake Sampling Program	***Quesnel Lake***	***Single Sample***	Previously sampled sites: • QUL-32, QUL-33, QUL-34, QUL-36, QUL-39, QUL-62, QUL-63, QUL-77, QUL-81, QUL-82 to QUL-86, QUL-88, QUL-89, QUL-90, QUL-91, QUL-92, QUL-93, QUL-94, QUL-95, QUL-100, QUL-101, QUR-102, QUR-103, QUL-104, QUL-107, QUL-108, QUL-109, raft creek site, QUL-111, QUL-113, QUL-114, QUL-115, QUL-116, QUL-117, QUL-118, QUL-121, QUL-122, QUL-123, QUL-124, QUL-125, QUL-126, QUL-127, QUL-128, QUL-12 Week of September 24 – 30, 2014 • No residential sampling completed this week.
		Repeated Sites	Previously sampled sites: • QUL-35, QUL-37, QUL-38, QUL-60, QUL-61, QUL-64, QUL-105 Week of September 24 – 30, 2014 • No residential sampling completed this week.

Table B: Summary of water toxicity test results

Date	Location	Location Description	Acute (96h) Rainbow Trout[1]	Acute (48-h) Daphnia magna[2]	Sublethal (7-d) fish survival and growth[3]	Sublethal (7-d) invertebrate survival and reproduction[4]	Sublethal (72-h) algal growth[5]	Sublethal (7-d) plant growth[6]	Results
August 6, 2014	QUR-1	Quesnel River at Research Station	✓	✓		✓			LC50 > 100% for rainbow trout and *D. magna* LC50, IC25, IC50 >100% for *C. dubia*
August 9, 2014	POL-2	Polley Lake near South End	✓	✓		✓			LC50 > 100% for rainbow trout and *D. magna* LC50, IC25, IC50 for *C. dubia* >100%
August 13, 2014	HAD-1	Discharge from Polley to Hazeltine	✓	✓	✓	✓	✓		LC50 >100% for rainbow trout and *D. magna* LC50, IC25, IC50 >100% for *C.dubia* LC50, LC25, IC25, IC50 > 100% for fathead minnow IC25, IC50 > 95.2% for *P. subcapitata*
August 20, 2014	HAD-1	Discharge from Polley to Hazeltine	✓	✓	✓	✓	✓	✓	LC50 >100% for rainbow trout and *D. magna*
August 21, 2014	QUL-66-40m	Quesnel Lake Plume	✓	✓	✓	✓	✓	✓	LC50 >100% for rainbow trout and *D. magna*
August 22, 2014	QUR-1	Quesnel River Research Centre	✓	✓	✓	✓	✓	✓	Pending
August 27, 2014	HAD-1	Discharge from Polley to Hazeltine			✓	✓			Pending
August 28, 2014	QUL-66-40m	Quesnel Lake Plume	✓	✓	✓	✓	✓	✓	Pending
September 3, 2014	QUL-66-45m	Quesnel Lake Plume			✓	✓			Pending
September 3, 2014	HAD-2	Discharge from Polley to Hazeltine			✓	✓			Pending
September 10, 2014	HAD-1	Discharge from Polley to Hazeltine			✓	✓			Pending
September 10, 2014	QUL-66-48m	Quesnel Lake Plume			✓	✓			Pending
September 16, 2014	QUL-66-48m	Quesnel Lake Plume			✓	✓			Pending
September 16, 2014	POL-6-14m	Polley Lake near plug		✓	✓	✓	✓	✓	LC50 > 100% for *D. Magna*

[1]Rainbow trout acute lethality (96-hours)
[2]*Daphnia magna* acute lethality (48-hours)
[3]Fathead minnow survival and growth (7-days)
[4]*Ceriodaphnia dubia* survival and reproduction (up to 8-d)
[5]Algal growth (*Pseudokirchneriella subcapitata* - 72-hours)
[6]Plant growth (*Lemna minor* - 7-days)

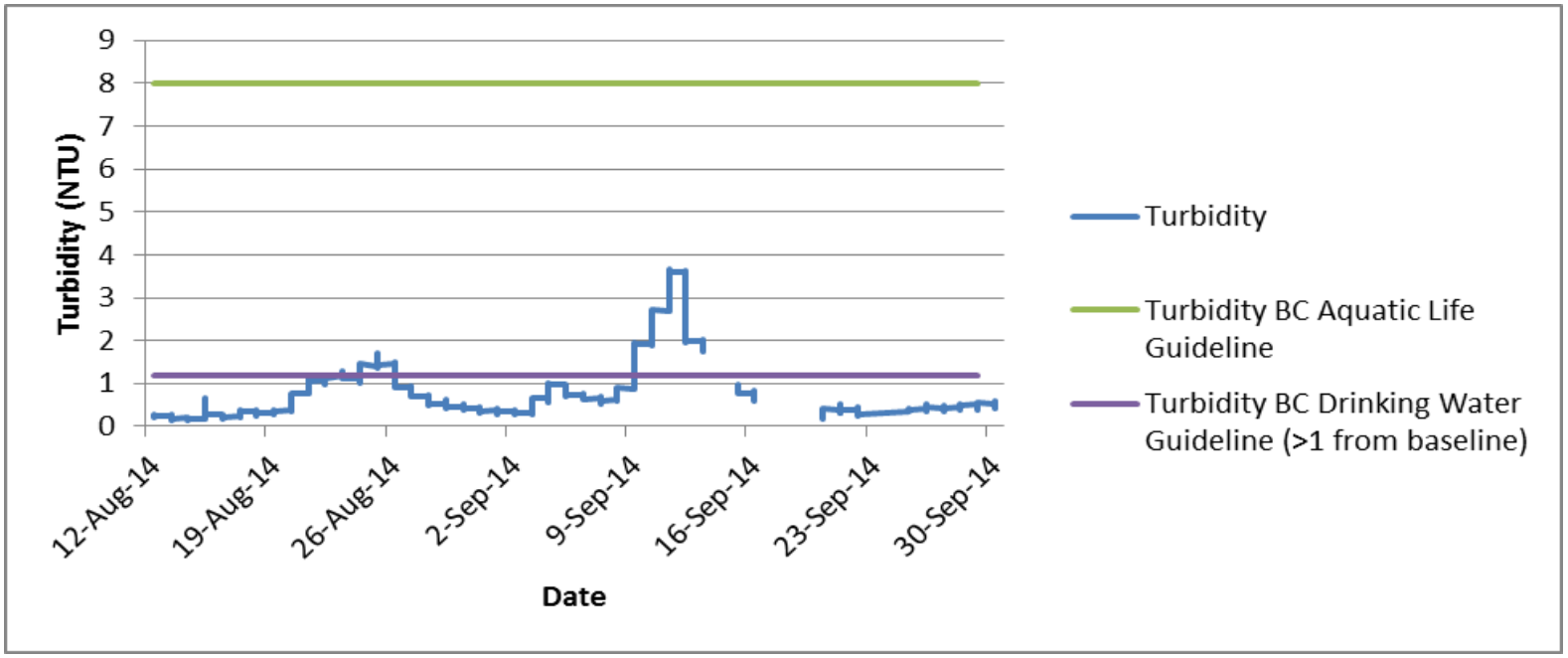

FIGURE A: Continuous in situ turbidity from sample location QUR-1

Summary of Modifications to the Monitoring Program

General

- Chlorophyll A analysis has been dropped from the monitoring program due to the arrival of fall lake conditions.

Polley Lake

- No changes.

Hazeltine Creek

- HAC-03 (seepage in Hazeltine Creek upstream of the Polley Lake discharge into Hazeltine Creek) has been removed from the monitoring program, as it is very low flow.
- samples at HAC-05 (downstream of the Polley Lake discharge at the Gavin Lake Road) will continue on a weekly basis to monitor turbidity associated with the Polley Lake discharge into Hazeltine Creek.
- HAC-01 sample location has been moved 30m upstream due to changes in Hazeltine Creek flow. The new sample location is HAC-01a.

Quesnel Lake

- Daily sampling will not be carried out on Thursday October 2 because a workshop on equipment calibration, use and maintenance for all field staff has been organized.
- Sampling at water intakes for residents who have requested that MPMC sample their water sources is almost complete. Outstanding samples have not been completed due to residents not being home or returning phone messages to provide permission to access their properties. Moving forward, an event-based sampling program will be implemented for Likely neighbourhoods if changes or movement in the plume are detected that may impact residential water sources.
- Additional deep sampling locations (QUL-2a, QUL-21a, QUL-31a, QUL-40a, and QUL-66a) are being monitored on a weekly basis as part of the CEIA with the intention of replacing the original shallow locations as part of the core monitoring program.

Quesnel River

- The ISCO automatic sampler at QUR-1 will be removed when freezing conditions begin to risk damaging the equipment (estimated to take place within the next week). Daily grab samples will continue, and the continuous monitoring sonde will remain in the river during freezing conditions.

Gaps Identified in the Monitoring Program and Next Actions

- It has been noted that data is not being collected in the deepest areas of the West Basin. A custom 250m cable for the in situ profiler is being ordered to improve MPMC's ability to monitor in situ parameters in deeper areas of the lake.

- Field parameters (specific conductance, turbidity, temperature, pH, and dissolved oxygen) were not being monitored at HAC-01 (now HAC-01a). Thee parameters are now being measured with daily samples.

Summary of Daily Observations

September 24: Water at HAD-01 and HAD-02 was clear, but very turbid a few hundred meters downstream. Log booming in progress on Quesnel Lake causing some woody debris in the lake. Quesnel Lake appears greener at Hazeltine Creek mouth.
September 25: Secchi depths down to 4-5 meters after rain event.
September 26: HAC-01 sample could not be completed because creek width had decreased by approximately 30m and ground was not solid to walk to water flow. The thermocline in Quesnel Lake is much less dramatic, and mixing has started to occur throughout water column. The green colour in Quesnel Lake extends from QUL-79 to QUL-20.
September 27: Multiple crews doing cleanup work at mouth of creek.
September 28: Quesnel Lake looks less green and secchi readings increased up to 11m in east end of lake.
September 29: Quesnel Lake appears less green.
September 30: Lake appears green from Cariboo Island to QUL-18 with a slight decrease in secchi depths.

Additional monitoring is ongoing or has been completed for other components of the CEIA, for which compiled and interpreted results will be provided in CEIA reports and updates. This includes:

- Sediment quality assessment;
- Soil quality assessment; and
- Fish capture and sampling.

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Please contact us with questions or concerns.

Sincerely,

Mount Polley Mining Corporation

Via email

Katie McMahen, P.Ag
Environmental Technologist
Mount Polley Mining Corporation
250-790-2215 ext. 2120
kmcmahen@mountpolley.com

N

POL-1
POL-4
POL-5
POL-3
P1
P2
QUL-22

Quesnel Lake

Polley Lake

Bootjack Lake

Morehead Creek

Mart Creek

Dow Creek

Dag Creek

Cub Creek

Mount Polley Mine

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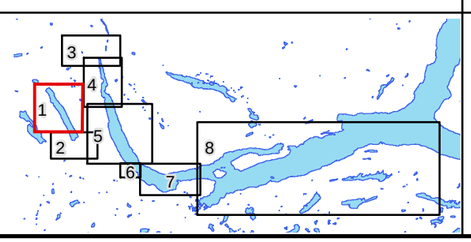
LEGEND

Surface Water Sampling Locations

- Hazeltine Creek
- Polley Lake
- Quesnel Lake
- Other Areas
- New Hazeltine Creek Channel (Approximate)



NOTES

1. Original in colour.
2. Numerical scale reflects full-size print. Print scaling will distort this scale, however scale bar will remain accurate.
3. Intended for illustration purposes, accuracy has not been verified for construction or navigation purposes.

REFERENCES

0 125 250 500 750 1,000 Meters

1. Data provided by Mount Polley Mining Corporation
2. Data downloaded from Data.Gov.BC.ca Data Distribution Service.
3. Orthophoto collected by McElhanney on August 5th, 2014

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CLIENT NAME:	PROJECT LOCATION:
MPMC	Mount Polley Mine, British Columbia

Figure 5: Current Monitoring Locations
Page 1 of 8

BY: CJW	SCALE: 1:24,600	DATE: 2014/10/03	REF No:	REV: 0
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POL-6
Polley Lake
POL-2
Bootjack Creek
LDA
Hazeltine Creek
HAC03
HAC02
TAILINGS
STORAGE
FACILITY AREA
Breach-01
HAD-1
HAD-2
HAC04
Hazeltine Creek
HAC07
HAC05

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Surface Water Sampling Locations

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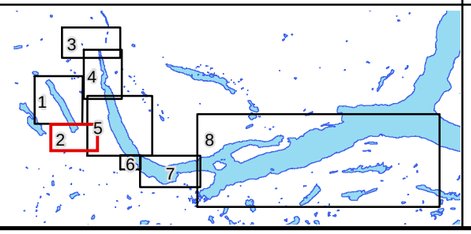

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REFERENCES

0 70 140 280 420 560 Meters

1. Data provided by Mount Polley Mining Corporation
2. Data downloaded from Data.Gov.BC.ca Data Distribution Service.
3. Orthophoto collected by McElhanney on August 5th, 2014

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CLIENT NAME: MPMC	PROJECT LOCATION: Mount Polley Mine, British Columbia

Figure 5: Current Monitoring Locations
Page 2 of 8

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Surface Water Sampling Locations

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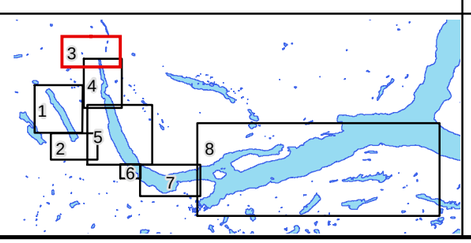

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REFERENCES

0 80 160 320 480 640 Meters

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CLIENT NAME:	PROJECT LOCATION:
MPMC	Mount Polley Mine, British Columbia

Figure 5: Current Monitoring Locations
Page 3 of 8

BY: CJW	SCALE: 1:16,200	DATE: 2014/10/03	REF No: 621717-005-P3 REV: 0
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QUL-124
QUL-77
QUL-35
QUL-36
QUL-104
QUL-34
QUL-69
QUL-73
QUL-68
QUL-38
QUL-72
QUL-39
QUL-109
QUL-95
QUL-61
QUL-62
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QUL-60
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QUL-89
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QUL-107
QUL-70
QUL-123
QUL-130
QUL-105
QUL-122
QUL-63
QUL-126
QUL-127
QUL-81

Fisher Creek
Grogan Creek
Poquette Creek
Cedar Creek
Quesnel Lake
Mart Creek
Cub Creek
Bilboa Creek
Dow Creek
Slum Gulch Creek
Quesnel River
Dag Creek

-10
-20
-30
-50
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Surface Water Sampling Locations

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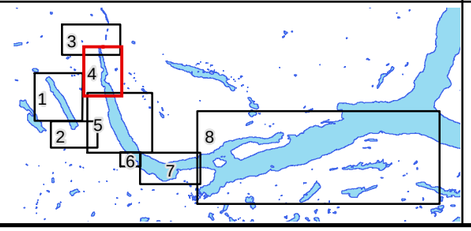

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0 100 200 400 600 800 Meters

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CLIENT NAME:	PROJECT LOCATION:
MPMC	Mount Polley Mine, British Columbia

Figure 5: Current Monitoring Locations
Page 4 of 8

BY: CJW	SCALE: 1:19,800	DATE: 2014/10/03	REF No: REV: 0
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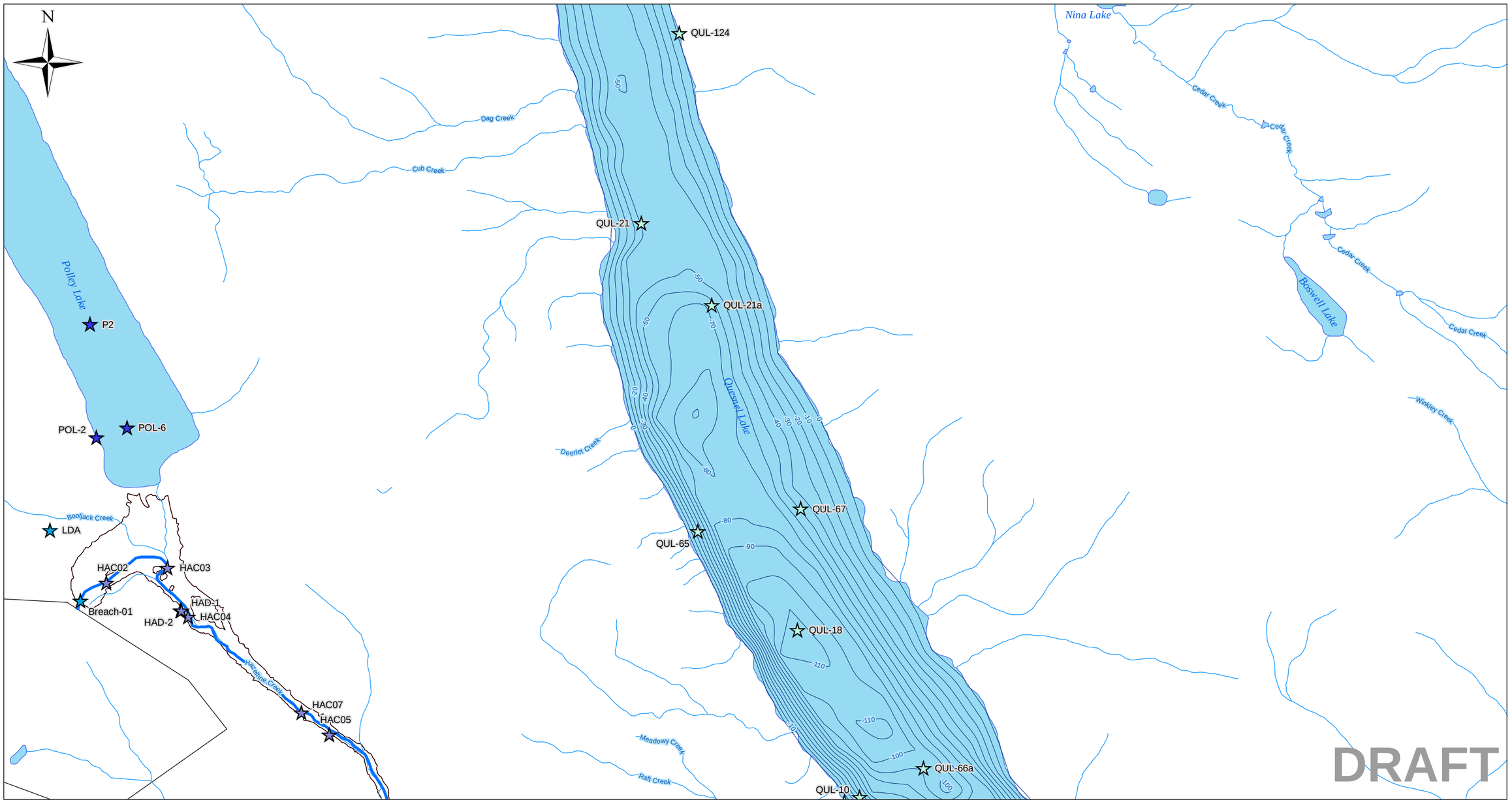

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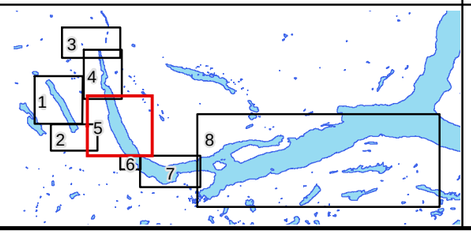

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REFERENCES

0 160 320 640 960 1,280 Meters

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CLIENT NAME:	PROJECT LOCATION:
MPMC	Mount Polley Mine, British Columbia

Figure 5: Current Monitoring Locations
Page 5 of 8

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Raft Creek

Raft Cr Rec Site

QUL-10

QUL-17

QUL-ST-NF-1

QUL-23

QUL-13

QUL-PW-2

QUL-PW-1

QUL-43

Quesnel Lake

QUL-24

QUL-14

QUL-12

QUL-66

QUL-25

QUL-9

QUL-15

QUL-11

QUL-16

QUL-8

QUL-26

QUL-80

QUL-28

HAC01

HAC05

QUL-7

HAC06

Hazeltine Creek

Hazeltine Creek

Edney Creek

-90

-80

0

-10

-20

-30

-40

-50

-60

-70

-100

-90

-90

-80

-70

-60

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-30

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-10

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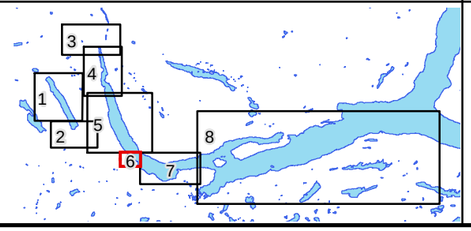
New Hazeltine Creek Channel (Approximate)



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REFERENCES

0 37.5 75 150 225 300 Meters

1. Data provided by Mount Polley Mining Corporation
2. Data downloaded from Data.Gov.BC.ca Data Distribution Service.
3. Orthophoto collected by McElhanney on August 5th, 2014

SNC·LAVALIN

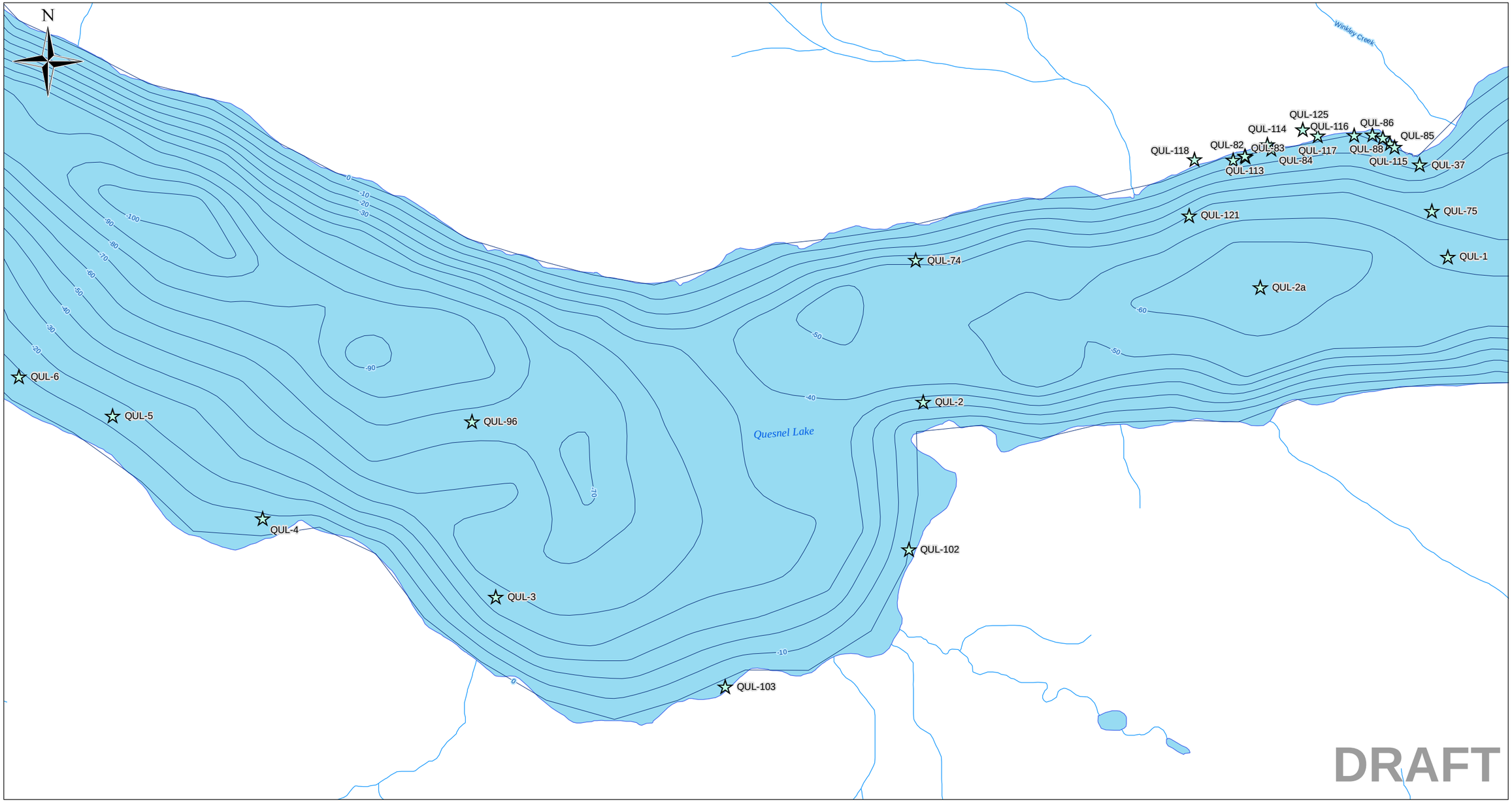
CLIENT NAME:	PROJECT LOCATION:
MPMC	Mount Polley Mine, British Columbia

Figure 5: Current Monitoring Locations
Page 6 of 8

BY: CJW	SCALE: 1:7,400	DATE: 2014/10/03	REF No:	REV: 0
CHK'D: JL	PROJ COORD SYS: NAD 1983 UTM Zone 10N		621717-005-P6	

Project Path: P:\Current Projects\Mount Polley\621717\

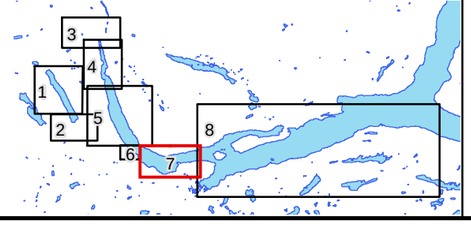
MXD Path: \\Proj_srv\projects\LOB\EIA\M-BC\Current Projects\Mount Polley Mining Corporation\621717_Mount Polley Mine\4.0 Execution\4.5 GIS and Drawings\GIS\621717-005_SampleLocPlanSeries.mxd



LEGEND

Surface Water Sampling Locations

- Hazeltine Creek
- Polley Lake
- Quesnel Lake
- Other Areas
- New Hazeltine Creek Channel (Approximate)



NOTES

1. Original in colour.
2. Numerical scale reflects full-size print. Print scaling will distort this scale, however scale bar will remain accurate.
3. Intended for illustration purposes, accuracy has not been verified for construction or navigation purposes.

REFERENCES

0 85 170 340 510 680 Meters

1. Data provided by Mount Polley Mining Corporation
2. Data downloaded from Data.Gov.BC.ca Data Distribution Service.
3. Orthophoto collected by McElhanney on August 5th, 2014

SNC·LAVALIN

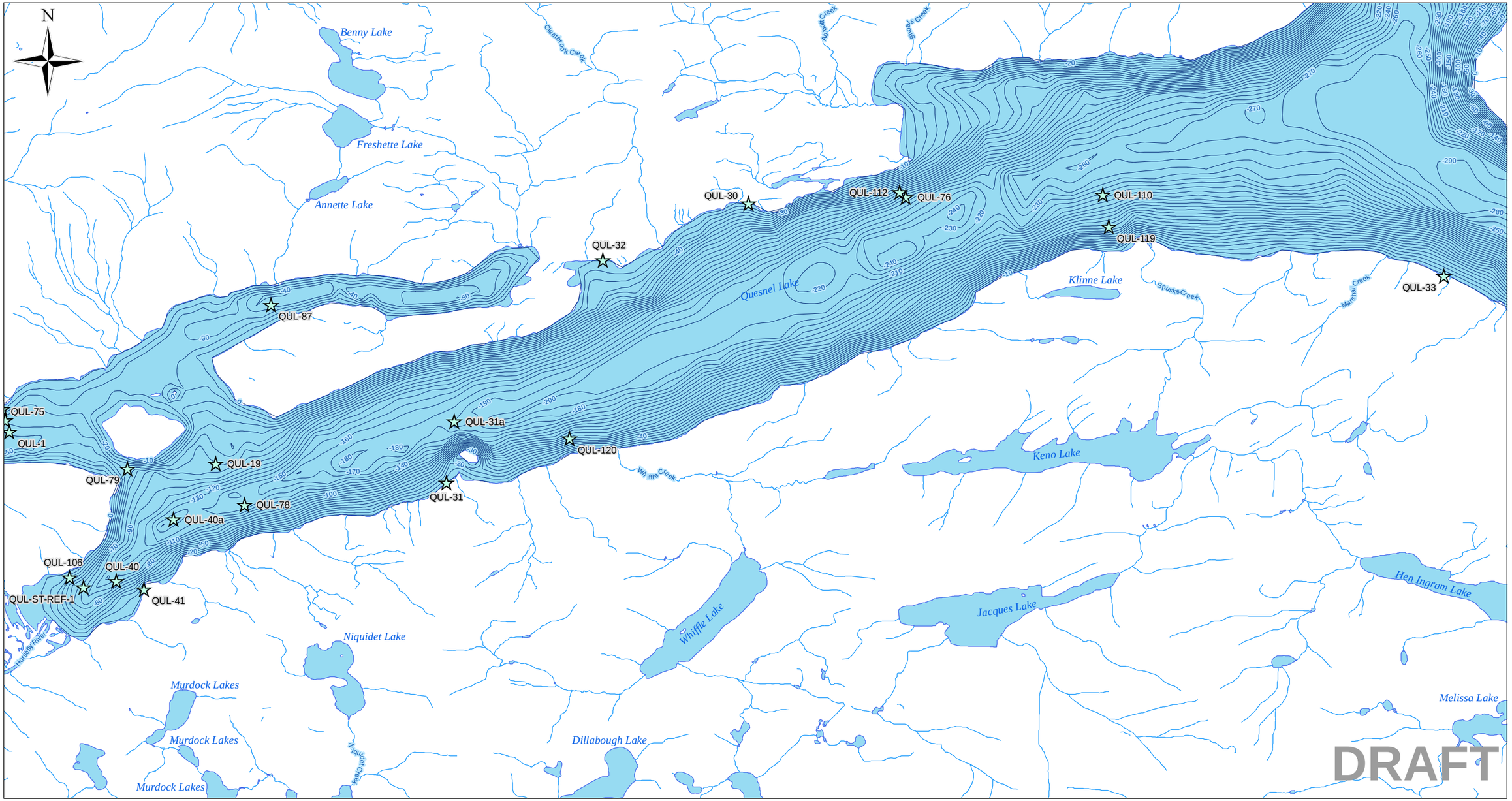
CLIENT NAME: MPMC	PROJECT LOCATION: Mount Polley Mine, British Columbia

Figure 5: Current Monitoring Locations
Page 7 of 8

BY: CJW	SCALE: 1:16,600	DATE: 2014/10/03	REF No: REV: 0
CHK'D: JL	PROJ COORD SYS: NAD 1983 UTM Zone 10N		621717-005-P7

MXD Path: \\Proj_snv\projects\LOB\EIA\M-BC\Current Projects\Mount Polley Mining Corporation\621717_Mount Polley Mine\4.0 Execution\4.5 GIS and Drawings\GIS\621717-005_SampleLocPlanSeries.mxd

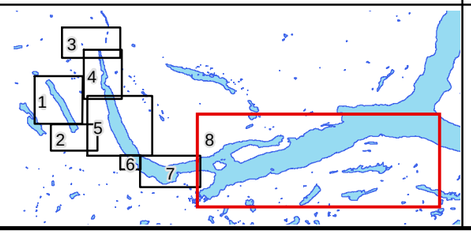
Project Path: P:\Current Projects\Mount Polley\621717\



LEGEND

Surface Water Sampling Locations

- Hazeltine Creek
- Polley Lake
- Quesnel Lake
- Other Areas
- New Hazeltine Creek Channel (Approximate)



NOTES

1. Original in colour.
2. Numerical scale reflects full-size print. Print scaling will distort this scale, however scale bar will remain accurate.
3. Intended for illustration purposes, accuracy has not been verified for construction or navigation purposes.

REFERENCES

0 340 680 1,360 2,040 2,720 Meters

1. Data provided by Mount Polley Mining Corporation
2. Data downloaded from Data.Gov.BC.ca Data Distribution Service.
3. Orthophoto collected by McElhanney on August 5th, 2014

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CLIENT NAME: MPMC	PROJECT LOCATION: Mount Polley Mine, British Columbia

Figure 5: Current Monitoring Locations
Page 8 of 8

BY: CJW	SCALE: 1:66,800	DATE: 2014/10/03	REF No: 621717-005-P8 REV: 0
CHK'D: JL	PROJ COORD SYS: NAD 1983 UTM Zone 10N		

MXD Path: \\Proj_svr\projects\LOB\EIA\M-BC\Current Projects\Mount Polley Mining Corporation\621717_Mount Polley Mine\4.0 Execution\4.5 GIS and Drawings\GIS\621717-005_SampleLocPlanSeries.mxd

Project Path: P:\Current Projects\Mount Polley\621717\

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical Parameters									Total Inorganics												
			Hardness (mg/L)	pH (field) (pH)	pH (pH)	Temperature (field) (C)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)	Total Kjeldahl Nitrogen (N) (mg/L)	Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Bromide (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus[g] (mg/L)
BC Guidelines																								
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	6.5-9.0		Change of 8	n/a	n/a	Change of 25	n/a	n/a	n/a	5,680-18,400[d]	32,800	60-600[d]	32,800[f]	600	988.2-1742[d]	n/a	n/a	n/a	n/a	0.005-0.015
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	+/-1 Degree change from ambient	Change of 2	n/a	n/a	Change of 5	+20% of median background	n/a	n/a	1,090-1,770[d]	3,000	20-200[d]	3,000[f]	150	n/a	128-429[d]	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	6.5-8.5	n/a[i]	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,000	500	n/a	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	6.5-8.5	n/a[i]	n/a[i]	n/a	500	n/a	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a	n/a
QUR-1	QUR-1	2014 08 06	48.5	-	7.94	-	0.33	97.2	54	< 3	2.03	-	0.173	< 5	62.7	< 1	62.7	< 0.5	35	5.65	44.4	-	< 0.001	< 0.002[a]
	QUR-1X	2014 08 06	48.7	-	7.93	-	0.38	96.7	63	< 3	2.06	-	0.163	< 5	61.2	< 1	61.2	< 0.5	35	5.6	43.8	-	< 0.001	< 0.002[a]
	QA/QC RPD %		< 1	-	< 1	-	*	< 1	15	*	*	-	*	*	2	*	2	*	*	< 1	1	-	*	*
	QUR-1(13:30)	2014 08 06	48.7	-	7.93	-	0.52	97.1	58	< 3	2.06	-	0.132	< 5	61.9	1	62.9	< 0.5	34	5.6	44.7	-	< 0.001	< 0.002[a]
	QUR-1	2014 08 07	47.6	-	7.93	-	0.53	96.9	62	< 3	1.86	0.115	0.174	< 5	77.3	< 1	-	< 0.5	33	5.71	44.5	-	< 0.001	< 0.002[a]
	QUR-1(11:33)	2014 08 08	50	-	7.98	-	0.5	102	63	< 3	1.95	-	0.162	< 5	104	< 1	-	< 0.5	35	5.76	47.5	-	< 0.001	< 0.002[a]
	QUR-1(15:43)	2014 08 08	50.8	7.80	7.93	9.9	0.45	103	66	< 3	1.85	-	0.171	< 5	116	< 1	-	< 0.5	35	5.9	47	-	< 0.001	< 0.002[a]
	QUR-1(10:08)	2014 08 09	52.8	7.34	7.95	9.6	0.4	104	73	< 3	2.09	-	0.184	< 5	114	< 1	-	< 0.5	35	5.89	46.3	-	< 0.001	< 0.002[a]
	QUR-1(14:30)	2014 08 09	51.6	7.54	7.95	10.9	0.3	103	74	< 3	2.09	-	0.178	< 5	110	< 1	-	< 0.5	34	5.83	45.8	-	< 0.001	< 0.002[a]
	QUR-1(10:19)	2014 08 10	49.8	7.76	7.87	12.9	0.63	99.9	67	< 3	2.07	-	0.172	< 5	93.1	< 1	-	< 0.5	34	5.77	46.1	-	< 0.001	< 0.002[a]
	QUR-1(17:45)	2014 08 10	50.3	7.91	7.92	13.6	0.31	100	68	< 3	2.09	-	0.176	< 5	92.5	< 1	-	< 0.5	34	5.77	46.6	-	< 0.001	< 0.002[a]
	QUR-1(11:18)	2014 08 11	49.3	-	7.88	-	0.45	99.8	70	< 3	2.03	-	0.154	< 5	73.9	< 1	-	< 0.5	34	5.75	45.1	-	< 0.001	**0.0028**
	QUR-1(17:12)	2014 08 11	49.8	7.73	7.93	16.8	0.52	100	68	< 3	2.16	-	0.148	< 5	72.2	< 1	-	< 0.5	34	5.73	45.3	-	< 0.001	< 0.002[a]
	QUR-1(14:04)	2014 08 12	49.1	-	7.92	-	1.2	99.5	-	-	-	-	-	-	66.2	1	-	< 0.5	34	5.77	-	< 0.05	-	-
	QUR-1(16:34)	2014 08 12	49.7	8.14	7.88	17.4	0.55	99.4	68	< 3	1.92	-	0.142	< 5	64.4	< 1	-	< 0.5	36	5.74	45.2	-	0.0013	< 0.002[a]
	QUR-1(20:00)	2014 08 12	49.5	-	7.92	-	0.75	99.6	-	-	-	-	-	-	64.7	< 1	-	< 0.5	37	5.78	-	< 0.05	-	-
	QUR-1(04:00)	2014 08 13	50.1	-	7.9	-	0.37	99.1	-	-	-	-	-	-	62.1	< 1	-	< 0.5	36	5.77	-	< 0.05	-	-
	QUR-1(12:00)	2014 08 13	49.4	-	7.91	-	1.22	99.1	-	-	-	-	-	-	57.5	< 1	-	< 0.5	34	5.76	-	< 0.05	-	-
	QUR-1(13:18)	2014 08 13	48.4	8.20	7.93	18.5	0.25	99.1	68	< 3	1.92	-	0.139	< 5	56	1.2	-	< 0.5	36	5.75	45.3	-	0.0011	< 0.002[a]
	QUR-1(20:00)	2014 08 13	48.3	-	7.94	-	0.22	96.5	-	-	-	-	-	-	54.2	< 1	-	< 0.5	32	5.74	-	-	-	-
	QUR-1(14:45)	2014 08 14	49.1	7.96	7.97	19.8	0.18	95.9	66	< 3	2.17	-	0.124	< 5	48.4	< 1	-	< 0.5	33	5.71	45.7	-	< 0.001	< 0.002[a]
	QUR-1X(14:50)	2014 08 14	46.8	-	7.98	-	0.14	96.4	59	< 3	2.03	-	0.124	< 5	48.8	< 1	-	< 0.5	33	5.72	45	-	< 0.001	< 0.002[a]
	QA/QC RPD %		5	*	0	*	*	1	11	*	7	-	*	*	1	*	-	*	*	< 1	< 1	-	*	*
	QUR-1(04:00)	2014 08 14	49.2	-	7.94	-	0.14	96.5	-	-	-	-	-	-	53.6	< 1	-	< 0.5	32	5.73	-	-	-	-
	QUR-1(12:00)	2014 08 14	48.4	-	7.97	-	0.18	97.1	-	-	-	-	-	-	50.2	< 1	-	< 0.5	32	5.73	-	-	-	-
	QUR-1(20:00)	2014 08 14	49	-	7.89	-	0.42	99	-	-	-	-	-	-	50.7	< 1	-	< 0.5	34	5.75	-	-	-	-
	QUR-1(04:00)	2014 08 15	49	-	7.97	-	0.28	100	-	-	-	-	-	-	56.4	< 1	-	< 0.5	36	5.75	-	-	-	-
	QUR-1(12:00)	2014 08 15	48.7	-	8	-	0.32	101	-	-	-	-	-	-	61.2	< 1	-	< 0.5	37	5.78	-	-	-	-
	QUR-1(13:28)	2014 08 15	48.1	8.19	7.94	17.5	0.28	99.6	61	< 3	1.96	-	0.133	< 5	61.4	< 1	-	< 0.5	36	5.74	44.6	-	< 0.001	**0.0024**
	QUR-1(14:59)	2014 08 16	49.1	8.21	7.96	18.1	0.45	100	68	< 3	2.18	-	0.129	< 5	58.2	< 1	58.2	< 0.5	36	5.72	45.2	-	< 0.001	< 0.002[a]
	QUR-1(20:00)	2014 08 16	50.3	-	7.97	-	0.28	100	-	-	-	-	-	-	61.4	< 1	-	< 0.5	34	5.77	-	-	-	-
	QUR-1	2014 08 17	48.4	8.19	7.96	18.0	0.43	99.2	69	< 3	2.08	-	0.137	< 5	57	< 1	-	< 0.5	36	5.72	45.2	-	< 0.001	< 0.002[a]
	QUR-1(20:00)	2014 08 17	49.5	-	7.97	-	0.29	99.5	-	-	-	-	-	-	61.6	< 1	-	< 0.5	33	5.78	-	-	-	-
	QUR-1(04:00)	2014 08 18	49.5	-	7.96	-	0.4	99.8	-	-	-	-	-	-	63.4	< 1	-	< 0.5	33	5.79	-	-	-	-
	QUR-1(09:18)	2014 08 18	48.6	8.11	7.99	17.3	0.54	99	69	< 3	2.5	-	0.153	5.3	62.6	< 1	-	< 0.5	34	5.76	44.7	-	< 0.001	< 0.002[a]
	QUR-1(12:00)	2014 08 18	50.1	-	7.92	-	0.33	98.8	-	-	-	-	-	-	62.3	< 1	-	< 0.5	34	5.68	-	-	-	-
	QUR-1(20:00)	2014 08 18	51.4	-	7.93	-	0.36	98.9	-	-	-	-	-	-	57.7	< 1	-	< 0.5	35	5.66	-	-	-	-
	QUR-1(04:00)	2014 08 19	50.6	-	7.93	-	0.41	99	-	-	-	-	-	-	58.5	< 1	-	< 0.5	34	5.68	-	-	-	-
	QUR-1(12:00)	2014 08 19	49.5	-	7.93	-	0.42	98.9	-	-	-	-	-	-	60.8	< 1	-	< 0.5	34	5.7	-	-	-	-
	QUR-1(13:27)	2014 08 19	49.8	7.63	7.88	17.8	0.36	97.5	67	< 3	2.07	-	0.142	< 5	58.1	< 1	-	< 0.5	34	5.65	45.2	-	< 0.001	< 0.002[a]
	QUR-1(20:00)	2014 08 19	50	-	7.94	-	0.31	99.1	-	-	-	-	-	-	59.2	< 1	-	< 0.5	35	5.64	-	-	-	-
	QUR-1(04:00)	2014 08 20	49.7	-	7.89	-	0.36	99.1	-	-	-	-	-	-	62.4	< 1	-	< 0.5	33	5.62	-	-	-	-
	QUR-1(12:00)	2014 08 20	50.6	-	7.9	-	0.41	99.4	-	-	-	-	-	-	65.6	< 1	-	< 0.5	34	5.69	-	-	-	-
	QUR-1(16:40)	2014 08 20	50.5	-	7.9	-	0.63	99.8	65	< 3	1.8	-	0.132	< 5	74.2	< 1	-	< 0.5	34	5.72	44.7	-	< 0.001	< 0.002[a]
	QUR-1(20:00)	2014 08 20	50.9	-	7.85	-	0.52	101	-	-	-	-	-	-	92	< 1	-	< 0.5	34	5.88	-	-	-	-
	QUR-1(04:00)	2014 08 21	51.2	-	7.86	-	0.69	99.3	-	-	-	-	-	-	81	< 1	-	< 0.5	36	5.82	-	-	-	-
	QUR-1(12:00)	2014 08 21	50.9	-	7.87	-	0.5	99.6	-	-	-	-	-	-	82.7	< 1	-	< 0.5	36	5.83	-	-	-	-
	QUR-1(16:28)	2014 08 21	51.7	-	7.87	-	0.81	100	62	< 3	2.1	-	0.164	5.1	89.3	< 1	-	< 0.5	36	5.83	44.9	-	< 0.001	< 0.002[a]
	QUR-1(20:00)	2014 08 21	51.3	-	7.88	-	0.81	101	-	-	-	-	-	-	92.4	< 1	-	< 0.5	37	5.88	-	-	-	-
	QUR-1(04:00)	2014 08 22	51.6	-	7.86	-	0.55	101	-	-	-	-	-	-	81.2	< 1	-	< 0.5	36	5.85	-	-	-	-
	QUR-1(10:40)	2014 08 22	51.6	8.05	7.91	14.3	0.73	100	61	< 3	2	-	0.157	< 5	83.8	< 1	-	< 0.5	36	5.83	45.6	-	< 0.001	< 0.002[a]

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.
[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.
[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.
[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride
[e] Health Canada Drinking Water Guidelines, 2012.
[f] Guideline for Nitrate applied.
[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.
[h] Calculated based on an individual sample basis, not average of 30 day results.
[i] Secondary chronic or chronic value, not 30 day mean.
[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																											
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																														
BCWQG Aquatic Life (AW)[b,c]			30-100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50-1000[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
QUR-1	QUR-1	2014 08 06	10.4	16.2	< 30	1.93	0.422	0.495	1.01	< 0.1	0.12	5.3	< 0.1	< 10	0.019	< 0.5	< 0.1	0.72	< 0.05	0.83	< 0.05	0.323	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.122	< 1	< 3
	QUR-1X	2014 08 06	10.8	16.3	< 30	1.93	0.47	0.492	0.863	< 0.1	0.12	5.15	< 0.1	< 10	0.07	< 0.5	< 0.1	0.68	< 0.05	0.73	< 0.05	0.316	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.125	< 1	< 3
	QA/QC RPD %		*	< 1	*	0	11	< 1	16	*	*	3	*	*	*	*	*	*	*	*	*	2	*	*	*	*	*	2	*	*
	QUR-1(13:30)	2014 08 06	9.7	16.3	< 30	1.94	0.362	0.468	1.04	< 0.1	0.12	5.24	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.7	< 0.05	0.314	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.122	< 1	< 3
	QUR-1	2014 08 07	9.4	15.9	< 30	1.89	0.1	0.483	0.843	< 0.1	0.1	5.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.75	< 0.05	0.288	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.131	< 1	< 3
	QUR-1(11:33)	2014 08 08	9.2	16.8	< 30	1.95	0.156	0.468	0.872	< 0.1	0.11	5.37	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.63	-	0.278	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.138	< 1	< 3
	QUR-1(15:43)	2014 08 08	7.5	17.1	< 30	1.98	0.181	0.457	0.873	< 0.1	< 0.1	5.17	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.75	-	0.29	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.138	< 1	< 3
	QUR-1(10:08)	2014 08 09	7.3	17.8	< 30	2.03	0.395	0.461	0.873	< 0.1	0.11	5.09	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.71	-	0.272	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.182	< 1	< 3
	QUR-1(14:30)	2014 08 09	7.5	17.4	< 30	2	0.368	0.456	0.856	< 0.1	0.1	5.13	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.54	-	0.271	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.171	< 1	< 3
	QUR-1(10:19)	2014 08 10	9.5	16.8	< 30	1.91	0.263	0.474	0.871	< 0.1	0.11	5.06	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.57	-	0.271	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.143	< 1	< 3
	QUR-1(17:45)	2014 08 10	9.3	17	< 30	1.91	0.33	0.471	0.865	< 0.1	0.11	5.03	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.52	-	0.263	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.143	< 1	< 3
	QUR-1(11:18)	2014 08 11	11.4	16.6	< 30	1.9	0.361	0.494	0.857	< 0.1	0.12	5.21	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	1.1	-	0.271	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.125	< 1	< 3
	QUR-1(17:12)	2014 08 11	10.3	16.8	< 30	1.92	0.411	0.488	0.871	< 0.1	0.1	5.2	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	1.12	-	0.277	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.125	< 1	< 3
	QUR-1(14:04)	2014 08 12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(16:34)	2014 08 12	10.1	16.6	< 30	2.01	0.358	0.463	0.843	< 0.1	0.11	5.25	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.85	-	0.295	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.128	< 1	< 3
	QUR-1(20:00)	2014 08 12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(04:00)	2014 08 13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(12:00)	2014 08 13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(13:18)	2014 08 13	10.4	16.3	< 30	1.89	0.159	0.47	0.845	< 0.1	0.12	5.31	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.79	-	0.303	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.131	< 1	< 3
	QUR-1(20:00)	2014 08 13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(14:45)	2014 08 14	9.4	16.4	< 30	1.94	0.202	0.469	0.858	< 0.1	0.12	5.29	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.62	-	0.318	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.138	< 1	< 3
	QUR-1X(14:50)	2014 08 14	10.7	15.8	< 30	1.81	0.211	0.465	0.858	< 0.1	0.11	5.29	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.69	-	0.296	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.138	< 1	< 3
	QA/QC RPD %		*	4	*	7	*	1	0	*	*	0	*	*	*	*	*	*	*	*	-	7	*	*	*	*	*	0	*	*
	QUR-1(04:00)	2014 08 14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(12:00)	2014 08 14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(20:00)	2014 08 14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(04:00)	2014 08 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(12:00)	2014 08 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(13:28)	2014 08 15	9.6	16.1	< 30	1.9	0.355	0.469	0.846	< 0.1	0.13	5.55	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.56	-	0.294	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.123	< 1	< 3
	QUR-1(14:59)	2014 08 16	9.4	16.5	< 30	1.94	0.315	0.458	0.812	< 0.1	0.12	5.19	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.65	-	0.28	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.127	< 1	< 3
	QUR-1(20:00)	2014 08 16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 08 17	8.6	16.3	< 30	1.91	0.185	0.465	0.832	< 0.1	0.11	4.98	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.51	< 0.05	0.6	-	0.293	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.127	< 1	< 3
	QUR-1(20:00)	2014 08 17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(04:00)	2014 08 18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(09:18)	2014 08 18	9	16.4	< 30	1.88	0.14	0.466	0.825	< 0.1	< 0.1	5.16	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.69	-	0.302	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.134	< 1	< 3
	QUR-1(12:00)	2014 08 18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(20:00)	2014 08 18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(04:00)	2014 08 19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(12:00)	2014 08 19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(13:27)	2014 08 19	11.2	16.8	< 30	1.91	0.45	0.477	0.843	< 0.1	0.12	5.29	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.56	< 0.05	0.79	-	0.279	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.127	< 1	< 3
	QUR-1(20:00)	2014 08 19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(04:00)	2014 08 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(12:00)	2014 08 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(16:40)	2014 08 20	9.9	17	< 30	1.95	0.542	0.448	0.803	< 0.1	< 0.1	5.11	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.69	< 0.05	0.76	-	0.269	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.124	< 1	< 3
	QUR-1(20:00)	2014 08 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(04:00)	2014 08 21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(12:00)	2014 08 21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(16:28)	2014 08 21	9.5	17.5	< 30	1.95	0.586	0.47	0.861	< 0.1	< 0.1	5.44	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.87	< 0.05	0.61	-	0.288	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.136	< 1	< 3
	QUR-1(20:00)	2014 08 21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(04:00)	2014 08 22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(10:40)	2014 08 22	8.7	17.5	< 30	1.94	0.619	0.468	0.858	< 0.1	0.11	5.38	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.81	< 0.05	0.6	-	0.297	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Metals																													
			Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bismuth (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Magnesium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Potassium (µg/L)	Selenium (µg/L)	Silicon (µg/L)	Silver (µg/L)	Sodium (µg/L)	Thallium (µg/L)	Tin (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																																
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.016-0.079[d]	n/a	1 (Cr(+6))	110	6.0-27.9[d]	1,000	27.3-297.3[d]	870	n/a	1001-3582[d]	Methyl mercury analysis in progress	2,000	25-150[d]	373,000-432,000	2	n/a	0.1-3.0[d]	n/a	0.3	n/a	2,000	300	6	33-172.5[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	2-11[d]	n/a	4.4-14.9[d]	14[i]	n/a	791.1-1819[d]	1	1,000	n/a	n/a	n/a	n/a	0.05-1.5[d]	n/a	n/a	n/a	n/a	n/a	7.5-147[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	n/a	2	n/a	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	n/a	50	1	n/a	n/a	n/a	10	n/a	n/a	200,000	n/a	n/a	n/a	20	n/a	5,000
QUR-1	QUR-1	2014 08 06	19.6	< 0.1	0.13	5.62	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	0.66	< 30	< 0.05	0.73	2,030	1.42	< 0.05	0.331	< 0.5	493	< 0.5	1,720	< 0.01	902	< 0.01	< 0.1	< 10	0.136	< 1	< 3
	QUR-1X	2014 08 06	19.7	< 0.1	0.14	5.61	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	0.65	< 30	< 0.05	0.7	1,990	1.38	< 0.05	0.323	< 0.5	475	< 0.5	1,680	< 0.01	874	< 0.01	< 0.1	< 10	0.135	< 1	< 3
	QA/QC RPD %		< 1	*	*	< 1	*	*	*	*	1	*	*	*	*	*	*	2	*	*	2	*	4	*	2	*	3	*	*	*	< 1	*	*
	QUR-1(13:30)	2014 08 06	22.1	< 0.1	0.14	5.35	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	0.65	< 30	< 0.05	0.71	1,980	1.41	< 0.05	0.316	< 0.5	476	< 0.5	1,670	< 0.01	867	< 0.01	< 0.1	< 10	0.127	< 1	< 3
	QUR-1	2014 08 07	23.8	< 0.1	0.13	5.34	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.68	< 30	< 0.05	0.77	1,970	1.35	< 0.05	0.305	< 0.5	484	< 0.5	1,650	< 0.01	859	< 0.01	< 0.1	< 10	0.135	< 1	< 3
	QUR-1(11:33)	2014 08 08	24.2	< 0.1	0.13	5.42	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	0.64	48	< 0.05	0.51	2,010	1.62	< 0.05	0.283	< 0.5	474	< 0.5	1,670	< 0.01	888	< 0.01	< 0.1	< 10	0.14	< 1	< 3
	QUR-1(15:43)	2014 08 08	20.4	< 0.1	0.13	5.26	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	0.62	< 30	< 0.05	0.55	2,030	1.27	< 0.05	0.281	< 0.5	470	< 0.5	1,670	< 0.01	885	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUR-1(10:08)	2014 08 09	27.8	< 0.1	0.12	5.34	< 0.1	< 0.5	< 10	< 0.01	17,400	< 0.5	< 0.1	0.72	33	< 0.05	0.71	2,040	1.73	< 0.05	0.295	< 0.5	472	< 0.5	1,680	< 0.01	872	< 0.01	< 0.1	< 10	0.187	< 1	< 3
	QUR-1(14:30)	2014 08 09	28.2	< 0.1	0.14	5.31	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	0.68	31	< 0.05	0.69	2,030	1.59	< 0.05	0.297	< 0.5	466	< 0.5	1,660	< 0.01	861	< 0.01	< 0.1	< 10	0.182	< 1	< 3
	QUR-1(10:19)	2014 08 10	21.7	< 0.1	0.12	5.06	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	0.65	< 30	< 0.05	< 0.5	1,930	1.15	< 0.05	0.283	< 0.5	480	< 0.5	1,620	< 0.01	893	< 0.01	< 0.1	< 10	0.139	< 1	< 3
	QUR-1(17:45)	2014 08 10	19.5	< 0.1	0.12	5.11	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	0.61	< 30	< 0.05	0.54	1,940	1.2	< 0.05	0.277	< 0.5	491	< 0.5	1,640	< 0.01	899	< 0.01	< 0.1	< 10	0.145	< 1	< 3
	QUR-1(11:18)	2014 08 11	23.8	< 0.1	0.14	5.28	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.64	< 30	< 0.05	0.98	1,900	1.39	< 0.05	0.293	< 0.5	487	< 0.5	1,550	< 0.01	873	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QUR-1(17:12)	2014 08 11	23.6	< 0.1	0.13	5.41	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	0.66	< 30	< 0.05	0.82	1,910	1.37	< 0.05	0.293	< 0.5	490	< 0.5	1,560	< 0.01	859	< 0.01	< 0.1	< 10	0.13	< 1	< 3
	QUR-1(14:04)	2014 08 12	16.6	< 0.1	0.14	5.25	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.68	< 30	< 0.05	0.85	1,990	1.17	-	0.304	< 0.5	473	< 0.5	1,620	< 0.01	866	< 0.01	< 0.1	< 10	0.129	< 1	**9.4**
	QUR-1(16:34)	2014 08 12	20.4	< 0.1	0.13	5.41	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	0.7	< 30	< 0.05	0.81	1,970	1.18	< 0.05	0.317	< 0.5	475	< 0.5	1,600	< 0.01	857	< 0.01	< 0.1	< 10	0.132	< 1	< 3
	QUR-1(20:00)	2014 08 12	15.8	< 0.1	0.14	5.26	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	0.63	< 30	< 0.05	0.84	1,960	1.15	-	0.311	< 0.5	469	< 0.5	1,590	< 0.01	863	< 0.01	< 0.1	< 10	0.135	< 1	**8**
	QUR-1(04:00)	2014 08 13	25.3	< 0.1	0.14	5.49	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	0.68	< 30	< 0.05	0.83	1,980	1.47	-	0.307	< 0.5	482	< 0.5	1,610	< 0.01	881	< 0.01	< 0.1	< 10	0.134	< 1	6
	QUR-1(12:00)	2014 08 13	18.6	< 0.1	0.15	5.41	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	0.64	< 30	< 0.05	0.82	1,950	1.38	-	0.312	< 0.5	466	< 0.5	1,600	< 0.01	858	< 0.01	< 0.1	< 10	0.131	< 1	6.6
	QUR-1(13:18)	2014 08 13	18.9	< 0.1	0.14	5.43	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.63	< 30	< 0.05	0.84	1,930	1.22	< 0.05	0.316	< 0.5	480	< 0.5	1,580	< 0.01	863	< 0.01	< 0.1	< 10	0.134	< 1	< 3
	QUR-1(20:00)	2014 08 13	15.6	< 0.1	0.16	5.3	< 0.1	< 0.5	< 10	< 0.01	16,200	0.62	< 0.1	0.62	< 30	< 0.05	0.74	1,930	1.32	-	0.331	0.58	465	< 0.5	1,560	< 0.01	846	< 0.01	< 0.1	< 10	0.131	< 1	**8**
	QUR-1(14:45)	2014 08 14	16.4	< 0.1	0.13	5.39	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	0.6	< 30	< 0.05	0.67	1,910	1.38	-	0.316	< 0.5	462	< 0.5	1,570	< 0.01	843	< 0.01	< 0.1	< 10	0.135	< 1	< 3
	QUR-1X(14:50)	2014 08 14	18.7	< 0.1	0.15	5.44	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	< 0.1	0.64	< 30	< 0.05	0.74	1,860	1.41	-	0.326	< 0.5	470	< 0.5	1,530	< 0.01	854	< 0.01	< 0.1	< 10	0.136	< 1	< 3
	QA/QC RPD %		13	*	*	1	*	*	*	*	1	*	*	*	*	*	*	3	*	-	3	*	2	*	3	*	1	*	*	*	1	*	*
	QUR-1(04:00)	2014 08 14	19.5	< 0.1	0.16	5.46	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.62	< 30	< 0.05	0.76	1,970	1.53	-	0.314	< 0.5	475	< 0.5	1,600	< 0.01	852	< 0.01	< 0.1	< 10	0.134	< 1	6.8
	QUR-1(12:00)	2014 08 14	18.7	0.56	0.17	5.46	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	0.59	< 30	< 0.05	0.7	1,890	1.63	-	0.324	< 0.5	476	< 0.5	1,560	< 0.01	869	< 0.01	< 0.1	< 10	0.136	< 1	**8**
	QUR-1(20:00)	2014 08 14	19.2	< 0.1	0.17	5.08	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.61	< 30	< 0.05	< 0.5	1,950	1.67	-	0.335	< 0.5	472	< 0.5	1,630	< 0.01	861	< 0.01	< 0.1	< 10	0.127	< 1	**10.1**
	QUR-1(04:00)	2014 08 15	23.1	0.1	0.16	5.2	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.64	< 30	< 0.05	< 0.5	1,940	1.8	-	0.322	< 0.5	478	< 0.5	1,630	< 0.01	866	< 0.01	< 0.1	< 10	0.122	< 1	6.2
	QUR-1(12:00)	2014 08 15	15	< 0.1	0.14	5.04	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	0.64	< 30	< 0.05	< 0.5	1,920	1.24	-	0.324	< 0.5	470	< 0.5	1,590	< 0.01	880	< 0.01	< 0.1	< 10	0.128	< 1	5.7
	QUR-1(13:28)	2014 08 15	18.5	< 0.1	0.16	5.58	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	0.63	< 30	< 0.05	< 0.5	1,950	1.35	-	0.3	< 0.5	489	< 0.5	1,630	< 0.01	881	< 0.01	< 0.1	< 10	0.132	< 1	< 3
	QUR-1(14:59)	2014 08 16	18.9	< 0.1	0.13	5.27	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	0.62	< 30	< 0.05	0.71	1,910	1.54	-	0.315	< 0.5	465	< 0.5	1,580	< 0.01	837	< 0.01	< 0.1	< 10	0.137	< 1	< 3
	QUR-1(20:00)	2014 08 16	13.6	< 0.1	0.13	5.36	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	0.51	< 30	< 0.05	0.71	1,980	1.13	-	0.328	< 0.5	482	< 0.5	1,630	< 0.01	882	< 0.01	< 0.1	< 10	0.142	< 1	6.2
	QUR-1	2014 08 17	20	< 0.1	0.13	5.17	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.63	< 30	< 0.05	0.62	1,920	1.35	-	0.312	< 0.5	475	< 0.5	1,600	< 0.01	875	< 0.01	< 0.1	< 10	0.132	< 1	< 3
	QUR-1(20:00)	2014 08 17	23.4	< 0.1	0.11	5.39	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	0.83	< 30	< 0.05	0.65	1,930	1.44	-	0.294	< 0.5	467	< 0.5	1,610	< 0.01	848	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUR-1(04:00)	2014 08 18	19.3	< 0.1	0.12	5.36	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	0.74	< 30	< 0.05	0.63	1,930	1.5	-	0.295	< 0.5	475	< 0.5	1,600	< 0.01	839	< 0.01	< 0.1	< 10	0.133	< 1	6.1
	QUR-1(09:18)	2014 08 18	27.7	< 0.1	0.13	5.2	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	0.72	< 30	< 0.05	0.66	1,920	1.76	-	0.311	< 0.5	445	< 0.5	1,610	< 0.01	840	< 0.01	< 0.1	< 10	0.137	< 1	**10.1**
	QUR-1(12:00)	2014 08 18	20.1	< 0.1	0.13	5.34	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	0.68	< 30	< 0.05	0.8	1,930	1.25	-	0.304	< 0.5	487	< 0.5	1,610	< 0.01	871	< 0.01	< 0.1	< 10	0.139	< 1	4.7
	QUR-1(20:00)	2014 08 18	16.7	< 0.1	0.14	5.52	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	0.7	< 30	< 0.05	0.82	2,000	1.26	-	0.32	< 0.5	493	< 0.5	1,650	< 0.01	895	< 0.01	< 0.1	< 10	0.141	< 1	4.4
	QUR-1(04:00)	2014 08 19	22.5	< 0.1	0.13	5.48	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	0.77	< 30	< 0.05	0.85	1,970	1.62	-	0.311	< 0.5	489	< 0.5	1,640	< 0.01	892	< 0.01	< 0.1	< 10	0.137	< 1	4.1
	QUR-1(12:00)	2014 08 19	21.6	< 0.1	0.16	5.39	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	0.76	< 30	< 0.05	0.83	1,920	1.56	-	0.308	< 0.5	477	< 0.5	1,600	< 0.01	866	< 0.01	< 0.1	< 10	0.138	< 1	5
	QUR-1(13:27)	2014 08 19	30.4	< 0.1	0.18	5.39	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	0.87	< 30	< 0.05	0.82	1,950	1.61	-	0.318	< 0.5	495	< 0.5	1,620	< 0.01	874	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUR-1(20:00)	2014 08 19	16.1	< 0.1	0.13	5.15	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	0.71	< 30	< 0.05	0.74	1,980	1.29	-	0.29	< 0.5	463	< 0.5	1,590	< 0.01	823	< 0.01	< 0.1	< 10	0.129	< 1	4.4
	QUR-1(04:00)	2014 08 20	17.5	< 0.1	0.14	5.23	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	0.76	< 30	< 0.05	0.76	1,970	1.28	-	0.283	0.52	445	< 0.5	1,590	< 0.01	822	< 0.01	< 0.1	< 10	0.129	< 1	3.6
	QUR-1(12:00)	2014 08 20	24.4	< 0.1	0.13	5.29	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	0.89	< 30	< 0.05	0.86	1,990	1.67	-	0.28	< 0.5	454	< 0.5	1,600	< 0.01	828	< 0.01	< 0.1	< 10	0.132	< 1	3.7
	QUR-1(16:40)	2014 08 20	30.9	< 0.1	0.13	5.53	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	1.17	< 30	< 0.05	0.69	2,010	1.71	-	0.29	< 0.5	473	< 0.5	1,620	< 0.01	846	< 0.01	< 0.1	< 10	0.137	< 1	< 3
	QUR-1(20:00)	2014 08 20	23	< 0.1	0.16	5.43	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	1.13	< 30	< 0.05	0.52	1,960	1.38	-	0.331	< 0.5	473	< 0.5	1,610	< 0.01	871	0.013	< 0.1	< 10	0.141	< 1	4.6
	QUR-1(04:00)	2014 08 21	35.3	< 0.1	0.15	5.84	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	1.41	< 30	< 0.05	< 0.5	1,960	1.58	-	0.303	< 0.5	481	< 0.5	1,640	< 0.01	876	< 0.01	< 0.1	< 10	0.142	< 1	3.7
	QUR-1(12:00)	2014 08 21	42.7	< 0.1	0.15	5.87	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	1.62	59	< 0.05	< 0.5	1,950	1.79	-	0.309	< 0.5	480	< 0.5	1,630	< 0.01	867	< 0.01	< 0.1	< 10	0.145	< 1	3.9
	QUR-1(16:28)	2014 08 21	53.7	< 0.1	0.15	6.14	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	1.89	43	< 0.05	0.54	1,970	2.52	-	0.298	< 0.5	497	< 0.5	1,670	< 0.01	879	< 0.01	< 0.1	< 10	0.146	< 1	< 3
	QUR-1(20:00)	2014 08 21	39.7	< 0.1	0.14	5.9	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	1.66	< 30	< 0.05	0.52	1,970	1.81	-	0.309	< 0.5	495	< 0.5	1,640	< 0.01	883	< 0.01	< 0.1	< 10	0.144	< 1	4.5
	QUR-1(04:00)	2014 08 22	39.7	0.1	0.13	6.11	< 0.1	< 0.5	< 10	< 0.01	17,400	< 0.5	< 0.1	1.69	32	< 0.05	0.52	1,980	1.82	-	0.322	< 0.5	480	< 0.5	1,650	< 0.01	867	< 0.01	< 0.1	< 10	0.142	< 1	3.5
	QUR-1(10:40)	2014 08 22	69.5	< 0.1	0.17	6.25	< 0.1	< 0.5	< 10	< 0.01	17,400	< 0.5	< 0.1	2.02	70	< 0.05	< 0.5	1,980	3.22	-	0.314	< 0.5	490	< 0.5	1,710	< 0.01	874	< 0.01	< 0.1	< 10	0.152	< 1	< 3

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical Parameters									Total Inorganics												
			Hardness (mg/L)	pH (field) (pH)	pH (pH)	Temperature (field) (C)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)	Total Kjeldahl Nitrogen (N) (mg/L)	Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Bromide (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus[g] (mg/L)
BC Guidelines																								
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	6.5-9.0		Change of 8	n/a	n/a	Change of 25	n/a	n/a	n/a	5,680-18,400[d]	32,800	60-600[d]	32,800[f]	600	988.2-1742[d]	n/a	n/a	n/a	n/a	0.005-0.015
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	+/-1 Degree change from ambient	Change of 2	n/a	n/a	Change of 5	+20% of median background	n/a	n/a	1,090-1,770[d]	3,000	20-200[d]	3,000[f]	150	n/a	128-429[d]	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	6.5-8.5	n/a[i]	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,000	500	n/a	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	6.5-8.5	n/a[i]	n/a[i]	n/a	500	n/a	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a	n/a
QUR-1	QUR-1	2014 08 23	51.2	8.08	7.94	14.7	1.05	99.7	70	< 3	2.03	-	0.151	< 5	80.7	< 1	-	< 0.5	34	5.86	45.5	-	< 0.001	< 0.002[a]
	QUR-1	2014 08 24	52.6	7.73	7.89	14.4	0.67	102	61	< 3	< 0.5	-	0.176	< 5	85.1	< 1	-	< 0.5	36	5.82	45.7	-	< 0.001	< 0.002[a]
	QUR-1-4:00	2014 08 24	52	-	7.9	-	0.66	102	-	< 3	-	-	-	-	77	< 1	-	< 0.5	35	5.85	-	-	-	-
	QUR-1-12:00	2014 08 24	50.9	-	7.93	-	0.81	103	-	< 3	-	-	-	-	83.4	< 1	-	< 0.5	35	5.87	-	-	-	-
	QUR-1-16:00	2014 08 24	51.1	-	7.96	-	1.1	103	-	< 3	-	-	-	-	90.7	< 1	-	< 0.5	35	6.02	-	-	-	-
	QUR-1-20:00	2014 08 24	51.3	-	7.86	-	0.66	102	-	< 3	-	-	-	-	86.7	< 1	-	< 0.5	33	5.85	-	-	-	-
	QUR-1	2014 08 25	51.3	-	7.98	-	1.06	104	-	< 3	-	-	-	-	97.8	< 1	-	< 0.5	35	6.04	-	-	-	-
	QUR-1-08:00	2014 08 25	51.7	-	7.99	-	1.14	103	-	< 3	-	-	-	-	85.4	< 1	-	< 0.5	35	6.02	-	-	-	-
	QUR-1(11:21)	2014 08 25	51	-	7.94	-	1.28	102	72	< 3	2.14	-	0.153	< 5	81.7	< 1	-	< 0.5	35	5.94	46	-	< 0.001	< 0.002[a]
	QUR-1-16:00	2014 08 25	52.2	8.08	8.01	14.6	1.03	103	-	< 3	-	-	-	-	79.8	< 1	-	< 0.5	35	6	-	< 0.05	-	-
	QUR-1	2014 08 26	51.1	8.17	8	16.4	0.84	102	63	< 3	2.14	-	0.143	< 5	64.6	< 1	-	< 0.5	35	5.91	45.9	-	< 0.001	< 0.002[a]
	QUR-1X	2014 08 26	51.5	8.17	7.98	16.4	0.75	102	63	< 3	2.17	-	0.148	< 5	65.1	< 1	-	< 0.5	35	5.91	45.7	-	< 0.001	< 0.002[a]
	QA/QC RPD %		< 1	0	< 1	0	11	0	0	*	*	-	*	*	< 1	*	-	*	*	0	< 1	-	*	*
	QUR-1-00:00	2014 08 26	51.6	-	7.97	-	0.87	103	-	< 3	-	-	-	-	74.5	< 1	-	< 0.5	35	5.99	-	< 0.05	-	-
	QUR-1-8:00	2014 08 26	50.6	-	8.02	-	0.82	103	-	< 3	-	-	-	-	67.2	< 1	-	< 0.5	35	5.94	-	< 0.05	-	-
	QUR-1-16:00	2014 08 26	49	-	7.99	-	0.76	102	-	< 3	-	-	-	-	64.9	< 1	-	< 0.5	33	5.97	-	-	-	-
	QUR-1	2014 08 27	50.9	8.19	8	17.2	0.8	102	73	< 3	2.02	-	0.132	< 5	60	< 1	-	< 0.5	34	5.93	45.4	-	< 0.001	< 0.002[a]
	QUR-1-00:00	2014 08 27	47.4	-	7.97	-	1.23	102	-	< 3	-	-	-	-	62.9	< 1	-	< 0.5	35	5.95	-	-	-	-
	QUR-1-08:00	2014 08 27	50.1	-	8	-	0.76	101	-	< 3	-	-	-	-	60.7	< 1	-	< 0.5	34	5.92	-	-	-	-
	QUR-1-16:00	2014 08 27	-	-	7.97	-	0.55	97.8	-	< 3	-	-	-	-	56.9	< 1	-	< 0.5	33	5.72	-	-	-	-
	QUR-1	2014 08 28	49	-	7.93	-	0.66	100	67	< 3	2.02	-	0.131	< 5	54.8	< 1	-	< 0.5	35	5.86	44.4	-	< 0.001	**0.0021**
	QUR-1-00:00	2014 08 28	-	-	7.96	-	0.55	101	-	< 3	-	-	-	-	57.6	< 1	-	< 0.5	35	5.93	-	-	-	-
	QUR-1-08:00	2014 08 28	-	-	7.97	-	0.89	101	-	< 3	-	-	-	-	55.6	1.1	-	< 0.5	35	5.91	-	-	-	-
	QUR-1-16:00	2014 08 28	-	-	7.94	-	0.51	99.7	-	< 3	-	-	-	-	54.9	< 1	-	< 0.5	35	5.88	-	-	-	-
	QUR-1	2014 08 29	49.9	8.17	7.95	17.6	0.67	98.5	68	< 3	1.82	-	0.143	< 5	53.6	< 1	-	< 0.5	34	5.8	45.2	-	< 0.001	< 0.002[a]
	QUR-1-0:00	2014 08 29	-	-	7.88	-	0.62	98.9	-	< 3	-	-	-	-	53.7	< 1	-	< 0.5	34	5.79	-	-	-	-
	QUR-1-8:00	2014 08 29	-	-	7.94	-	0.72	98.9	-	< 3	-	-	-	-	54.6	< 1	-	< 0.5	34	5.85	-	-	-	-
	QUR-1-16:00	2014 08 29	51.9	-	7.89	-	0.43	98.6	-	< 3	-	-	-	-	55.9	< 1	-	< 0.5	33	5.83	-	-	-	-
	QUR-1	2014 08 30	50	7.23	7.7	17.45	0.48	97.9	68	< 3	1.93	-	0.136	< 5	53.1	< 1	-	< 0.5	33	5.79	45.1	-	< 0.001	< 0.002[a]
	QUR-1-0:00	2014 08 30	50.4	-	7.89	-	0.37	98.9	-	< 3	-	-	-	-	56	< 1	-	< 0.5	33	5.84	-	-	-	-
	QUR-1-8:00	2014 08 30	51.3	-	7.8	-	0.62	98.5	-	< 3	-	-	-	-	54	< 1	-	< 0.5	34	5.84	-	-	-	-
	QUR-1-16:00	2014 08 30	50.7	-	7.92	-	0.61	102	-	< 3	-	-	-	-	56.2	< 1	-	< 0.5	33	5.89	-	-	-	-
	QUR-1	2014 08 31	49.9	8.24	7.96	17.5	0.5	101	56	< 3	1.88	-	0.133	< 5	50.8	< 1	-	< 0.5	33	5.82	45.7	-	< 0.001	< 0.002[a]
	QUR-1-0:00	2014 08 31	50.8	-	7.92	-	0.36	102	-	< 3	-	-	-	-	54.4	< 1	-	< 0.5	33	5.82	-	-	-	-
	QUR-1-8:00	2014 08 31	50.6	-	7.94	-	0.46	102	-	< 3	-	-	-	-	53	< 1	-	< 0.5	33	5.83	-	-	-	-
	QUR-1-16:00	2014 08 31	51	-	-	-	0.34	-	-	< 3	-	-	-	-	50.5	< 1	-	< 0.5	33	5.82	-	-	-	-
	QUR-1	2014 09 01	50.7	8.26	7.8	17.7	0.69	98.5	64	< 3	1.87	-	0.135	< 5	50.2	1.1	-	< 0.5	32	5.81	44.6	-	< 0.001	< 0.002[a]
	QUR-1-00:00	2014 09 01	50.3	-	-	-	0.37	-	-	< 3	-	-	-	-	52.2	< 1	-	< 0.5	33	5.83	-	-	-	-
	QUR-1-08:00	2014 09 01	50	-	-	-	0.38	-	-	< 3	-	-	-	-	48.8	< 1	-	< 0.5	33	5.82	-	-	-	-
	QUR-1-16:00	2014 09 01	48.1	-	7.95	-	0.31	102	-	-	-	-	-	-	46.6	< 1	-	< 0.5	32	5.55	-	-	-	-
	QUR-1-00:00	2014 09 02	50.6	-	7.95	-	0.38	102	-	-	-	-	-	-	49.8	< 1	-	< 0.5	31	5.83	-	-	-	-
	QUR-1-08:00	2014 09 02	52.2	-	7.98	-	0.39	102	-	-	-	-	-	-	48.5	< 1	-	< 0.5	33	5.83	-	-	-	-
	QUR-1-14:10	2014 09 02	51	8.24	7.99	17.67	0.4	101	62	< 3	1.83	-	0.126	5.2	48.1	< 1	-	< 0.5	33	5.8	45.7	-	< 0.001	< 0.002[a]
	QUR-1-16:00	2014 09 02	50.6	-	7.98	-	0.44	99.5	-	-	-	-	-	-	45.9	< 1	-	< 0.5	33	5.86	-	-	-	-
	QUR-1	2014 09 03	51.1	8.23	8.01	17.35	0.46	99	69	< 3	2.07	-	0.132	6.8	46.6	< 1	-	< 0.5	32	5.85	45.6	-	< 0.001	**0.0024**
	QUR-1-00:00	2014 09 03	50.3	-	8	-	0.69	101	-	-	-	-	-	-	47.2	< 1	-	< 0.5	31	5.89	-	-	-	-
	QUR-1-08:00	2014 09 03	51.3	-	8	-	0.42	100	-	-	-	-	-	-	47.3	< 1	-	< 0.5	31	5.88	-	-	-	-
	QUR-1-16:00	2014 09 03	53.6	-	7.94	-	0.3	98.7	-	< 3	-	-	-	-	47.6	1	-	< 0.5	33	5.83	-	-	-	-

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																											
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																														
BCWQG Aquatic Life (AW)[b,c]			30-100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50-1000[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
QUR-1	QUR-1	2014 08 23	10	17.3	< 30	1.95	0.597	0.47	0.866	< 0.1	0.12	5.5	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.88	< 0.05	0.82	-	0.28	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.139	< 1	< 3
	QUR-1	2014 08 24	9	17.7	< 30	2	0.638	0.474	0.86	< 0.1	0.12	5.52	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.95	< 0.05	0.87	-	0.274	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.138	< 1	< 3
	QUR-1-4:00	2014 08 24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-12:00	2014 08 24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 08 24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-20:00	2014 08 24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 08 25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-08:00	2014 08 25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1(11:21)	2014 08 25	9	17.2	< 30	1.93	0.845	0.458	0.844	< 0.1	0.1	5.8	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.06	< 0.05	< 0.5	-	0.29	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.139	< 1	< 3
	QUR-1-16:00	2014 08 25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 08 26	10.6	17.2	< 30	1.95	0.702	0.459	0.832	< 0.1	0.1	5.49	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.97	< 0.05	0.62	-	0.287	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.13	< 1	< 3
	QUR-1X	2014 08 26	9.9	17.4	< 30	1.97	0.753	0.471	0.858	< 0.1	0.11	5.59	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.98	< 0.05	0.58	-	0.288	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.131	< 1	< 3
	QA/QC RPD %		*	1	*	1	7	3	3	*	*	2	*	*	*	*	*	*	*	*	-	< 1	*	*	*	*	*	< 1	*	*
	QUR-1-00:00	2014 08 26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-8:00	2014 08 26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 08 26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 08 27	10.3	17.2	< 30	1.96	0.662	0.464	0.881	< 0.1	0.13	5.52	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.93	< 0.05	0.67	-	0.286	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.134	< 1	< 3
	QUR-1-00:00	2014 08 27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-08:00	2014 08 27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 08 27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 08 28	9.7	16.5	< 30	1.88	0.504	0.471	0.875	< 0.1	0.11	5.45	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.74	< 0.05	0.55	-	0.288	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.138	< 1	< 3
	QUR-1-00:00	2014 08 28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-08:00	2014 08 28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 08 28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 08 29	9.7	16.8	< 30	1.94	0.156	0.455	0.831	< 0.1	0.17	5.55	< 0.1	< 10	0.03	< 0.5	< 0.1	0.84	< 0.05	0.53	-	0.273	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.134	< 1	< 3
	QUR-1-0:00	2014 08 29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-8:00	2014 08 29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 08 29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 08 30	9	16.9	< 30	1.92	0.495	0.467	0.843	< 0.1	0.12	5.34	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.84	< 0.05	0.65	-	0.275	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.13	< 1	< 3
	QUR-1-0:00	2014 08 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-8:00	2014 08 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 08 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 08 31	9.8	16.8	< 30	1.94	0.398	0.468	0.845	< 0.1	0.12	5.31	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.69	< 0.05	0.82	-	0.279	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.134	< 1	< 3
	QUR-1-0:00	2014 08 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-8:00	2014 08 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 08 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 09 01	8.9	17.1	< 30	1.97	0.375	0.474	0.843	< 0.1	0.13	5.22	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.62	< 0.05	0.62	-	0.288	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.129	< 1	< 3
	QUR-1-00:00	2014 09 01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-08:00	2014 09 01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 09 01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-00:00	2014 09 02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-08:00	2014 09 02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-14:10	2014 09 02	13.4	17.2	< 30	1.98	0.953	0.614	0.922	< 0.1	0.13	5.54	< 0.1	< 10	0.038	< 0.5	< 0.1	1.53	< 0.05	0.67	-	0.294	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.13	< 1	5
	QUR-1-16:00	2014 09 02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 09 03	9.8	17.3	< 30	1.95	0.398	0.463	0.864	< 0.1	0.12	5.29	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.64	< 0.05	0.78	-	0.29	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
	QUR-1-00:00	2014 09 03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-08:00	2014 09 03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 09 03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Metals																														
			Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bismuth (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Magnesium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Potassium (µg/L)	Selenium (µg/L)	Silicon (µg/L)	Silver (µg/L)	Sodium (µg/L)	Thallium (µg/L)	Tin (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																																	
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.016-0.079[d]	n/a	1 (Cr(+6))	110	6.0-27.9[d]	1,000	27.3-297.3[d]	870	n/a	1001-3582[d]	Methyl mercury analysis in progress	2,000	25-150[d]	373,000-432,000	2	n/a	0.1-3.0[d]	n/a	0.3	n/a	2,000	300	6	33-172.5[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	2-11[d]	n/a	4.4-14.9[d]	14[i]	n/a	791.1-1819[d]		1,000	n/a	n/a	n/a	n/a	0.05-1.5[d]	n/a	n/a	n/a	n/a	n/a	n/a	7.5-147[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	n/a	2	n/a	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	n/a	50	1	n/a	n/a	n/a	10	n/a	n/a	200,000	n/a	n/a	n/a	20	n/a	5,000
QUR-1	QUR-1	2014 08 23	63.2	< 0.1	0.16	6.16	< 0.1	< 0.5	< 10	< 0.01	17,400	< 0.5	< 0.1	**2.06**	63	< 0.05	0.78	2,010	3.12	< 0.05	0.294	< 0.5	487	< 0.5	1,680	< 0.01	873	< 0.01	< 0.1	< 10	0.148	< 1	< 3
	QUR-1	2014 08 24	49	< 0.1	0.13	6.16	< 0.1	< 0.5	< 10	< 0.01	17,500	< 0.5	< 0.1	1.98	41	< 0.05	0.87	1,980	2.31	-	0.311	< 0.5	488	< 0.5	1,680	< 0.01	867	< 0.01	< 0.1	< 10	0.151	< 1	< 3
	QUR-1-4:00	2014 08 24	27.3	< 0.1	0.13	5.73	< 0.1	< 0.5	< 10	< 0.01	17,600	< 0.5	< 0.1	1.55	< 30	< 0.05	0.85	1,980	1.59	-	0.308	< 0.5	477	< 0.5	1,650	< 0.01	872	< 0.01	< 0.1	< 10	0.146	< 1	3
	QUR-1-12:00	2014 08 24	35.6	< 0.1	0.13	5.68	< 0.1	< 0.5	< 10	< 0.01	17,200	0.6	< 0.1	1.78	35	< 0.05	0.71	1,930	1.99	-	0.331	< 0.5	471	< 0.5	1,640	< 0.01	866	< 0.01	< 0.1	< 10	0.143	< 1	3.2
	QUR-1-16:00	2014 08 24	54.8	< 0.1	0.17	6.17	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	1.93	50	< 0.05	< 0.5	1,960	2.5	-	0.299	< 0.5	470	< 0.5	1,680	< 0.01	855	< 0.01	< 0.1	< 10	0.148	< 1	3.1
	QUR-1-20:00	2014 08 24	39.5	< 0.1	0.13	6	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	1.85	34	< 0.05	0.82	1,970	2.37	-	0.301	< 0.5	485	< 0.5	1,660	< 0.01	882	< 0.01	< 0.1	< 10	0.143	< 1	**10.3**
	QUR-1	2014 08 25	63.9	< 0.1	0.17	6.31	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	**2.31**	53	< 0.05	< 0.5	1,960	2.88	-	0.284	< 0.5	469	< 0.5	1,690	< 0.01	848	< 0.01	< 0.1	< 10	0.147	< 1	3.4
	QUR-1-08:00	2014 08 25	65.2	< 0.1	0.19	6.47	< 0.1	< 0.5	< 10	< 0.01	17,400	< 0.5	< 0.1	**2.16**	63	< 0.05	< 0.5	1,980	3.07	-	0.315	< 0.5	479	< 0.5	1,680	< 0.01	863	< 0.01	< 0.1	< 10	0.149	< 1	< 3
	QUR-1(11:21)	2014 08 25	68.4	< 0.1	0.17	6.47	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	**2.41**	62	< 0.05	< 0.5	1,940	2.86	-	0.296	< 0.5	478	< 0.5	1,660	< 0.01	854	< 0.01	< 0.1	< 10	0.144	< 1	< 3
	QUR-1-16:00	2014 08 25	47.6	< 0.1	0.16	6	< 0.1	< 0.5	< 10	< 0.01	17,600	< 0.5	< 0.1	**4.8**	36	0.117	0.57	1,990	2.32	-	0.33	< 0.5	478	< 0.5	1,640	< 0.01	891	< 0.01	< 0.1	< 10	0.144	< 1	4.6
	QUR-1	2014 08 26	47.1	< 0.1	0.13	6.24	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	1.91	40	< 0.05	0.51	1,970	2.29	< 0.01	0.303	< 0.5	480	< 0.5	1,610	< 0.01	868	< 0.01	< 0.1	< 10	0.143	< 1	< 3
	QUR-1X	2014 08 26	46.5	< 0.1	0.13	6.05	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	1.89	39	< 0.05	0.6	1,950	2.26	< 0.01	0.32	< 0.5	468	< 0.5	1,590	< 0.01	860	< 0.01	< 0.1	< 10	0.137	< 1	< 3
	QA/QC RPD %		1	*	*	3	*	*	*	*	< 1	*	*	*	*	*	*	1	*	*	6	*	3	*	1	*	< 1	*	*	*	4	*	*
	QUR-1-00:00	2014 08 26	52.4	< 0.1	0.13	6.17	< 0.1	< 0.5	< 10	< 0.01	17,400	< 0.5	< 0.1	**2.12**	38	< 0.05	0.55	1,970	2.23	-	0.343	< 0.5	475	< 0.5	1,640	< 0.01	893	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUR-1-8:00	2014 08 26	41.2	< 0.1	0.15	5.85	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	1.86	31	< 0.05	0.57	1,940	2.08	-	0.396	< 0.5	469	< 0.5	1,610	< 0.01	873	< 0.01	< 0.1	< 10	0.145	< 1	< 3
	QUR-1-16:00	2014 08 26	27.8	< 0.1	0.14	5.83	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	1.47	< 30	< 0.05	0.67	1,900	1.7	-	0.316	< 0.5	479	< 0.5	1,520	< 0.01	904	< 0.01	< 0.1	< 10	0.146	< 1	4.2
	QUR-1	2014 08 27	38.9	< 0.1	0.14	6.03	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	1.84	32	< 0.05	0.64	1,940	2.29	< 0.01	0.318	< 0.5	483	< 0.5	1,560	< 0.01	902	< 0.01	< 0.1	< 10	0.143	< 1	< 3
	QUR-1-00:00	2014 08 27	29.6	< 0.1	0.13	5.8	< 0.1	< 0.5	< 10	< 0.01	15,900	< 0.5	< 0.1	1.53	< 30	< 0.05	0.65	1,840	1.66	-	0.314	< 0.5	461	< 0.5	1,480	< 0.01	886	< 0.01	< 0.1	< 10	0.142	< 1	3.1
	QUR-1-08:00	2014 08 27	32.7	< 0.1	0.15	6	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	1.63	< 30	< 0.05	0.65	1,940	1.73	-	0.304	< 0.5	465	< 0.5	1,570	< 0.01	900	< 0.01	< 0.1	< 10	0.143	< 1	3
	QUR-1-16:00	2014 08 27	42.5	< 0.1	0.14	5.84	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	1.47	34	< 0.05	0.62	1,930	2.11	-	0.305	< 0.5	478	< 0.5	1,580	< 0.01	880	< 0.01	< 0.1	< 10	0.136	< 1	3.2
	QUR-1	2014 08 28	40.5	< 0.1	0.16	5.91	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	1.37	42	< 0.05	0.62	1,960	2.1	< 0.01	0.286	< 0.5	487	< 0.5	1,580	< 0.01	890	< 0.01	< 0.1	< 10	0.144	< 1	< 3
	QUR-1-00:00	2014 08 28	41.7	< 0.1	0.14	5.94	< 0.1	< 0.5	< 10	**0.154**	17,000	< 0.5	< 0.1	1.58	40	< 0.05	0.6	1,970	2.35	-	0.303	< 0.5	490	< 0.5	1,590	< 0.01	896	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QUR-1-08:00	2014 08 28	29.1	< 0.1	0.14	5.81	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	1.24	< 30	< 0.05	0.59	1,980	1.48	-	0.303	< 0.5	483	< 0.5	1,590	< 0.01	891	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QUR-1-16:00	2014 08 28	20.9	< 0.1	0.28	5.67	< 0.1	< 0.5	< 10	**0.056**	18,000	< 0.5	< 0.1	1.07	< 30	< 0.05	< 0.5	2,070	1.39	-	0.309	< 0.5	482	< 0.5	1,640	< 0.01	861	< 0.01	< 0.1	< 10	0.144	< 1	< 3
	QUR-1	2014 08 29	37.8	< 0.1	0.23	5.69	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	0.49	1.31	37	< 0.05	< 0.5	1,940	3.99	< 0.01	0.29	< 0.5	474	< 0.5	1,550	< 0.01	857	< 0.01	< 0.1	< 10	0.138	< 1	< 3
	QUR-1-0:00	2014 08 29	25.4	< 0.1	0.36	5.66	< 0.1	< 0.5	< 10	**0.101**	17,700	< 0.5	< 0.1	1.19	< 30	< 0.05	< 0.5	2,040	1.47	-	0.299	< 0.5	474	0.93	1,620	< 0.01	849	< 0.01	< 0.1	< 10	0.142	< 1	3.5
	QUR-1-8:00	2014 08 29	25.6	< 0.1	1.08	5.45	< 0.1	< 0.5	< 10	**0.412**	17,400	< 0.5	< 0.1	1.16	< 30	< 0.05	< 0.5	2,010	1.48	-	0.299	0.62	465	0.78	1,580	< 0.01	835	< 0.01	< 0.1	< 10	0.137	< 1	3.5
	QUR-1-16:00	2014 08 29	21.6	< 0.1	0.14	5.79	< 0.1	< 0.5	< 10	< 0.01	17,400	< 0.5	< 0.1	1.05	< 30	< 0.05	0.81	2,020	1.33	-	0.318	< 0.5	484	< 0.5	1,620	< 0.01	898	< 0.01	< 0.1	< 10	0.14	< 1	< 3
	QUR-1	2014 08 30	27.4	< 0.1	0.13	5.59	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	1.18	< 30	< 0.05	0.83	1,910	1.62	< 0.01	0.307	< 0.5	472	< 0.5	1,550	< 0.01	857	< 0.01	< 0.1	< 10	0.135	< 1	< 3
	QUR-1-0:00	2014 08 30	19.4	< 0.1	0.13	5.71	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	1.09	< 30	< 0.05	0.7	1,920	1.31	-	0.311	< 0.5	480	< 0.5	1,550	< 0.01	894	< 0.01	< 0.1	< 10	0.134	< 1	< 3
	QUR-1-8:00	2014 08 30	18.2	< 0.1	0.14	5.79	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	1.01	< 30	< 0.05	0.74	1,980	1.35	-	0.321	< 0.5	480	< 0.5	1,580	0.034	887	< 0.01	< 0.1	< 10	0.135	< 1	3.1
	QUR-1-16:00	2014 08 30	20.8	< 0.1	0.13	5.44	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	0.98	< 30	< 0.05	0.88	1,960	1.3	-	0.306	< 0.5	470	< 0.5	1,520	< 0.01	894	< 0.01	< 0.1	< 10	0.142	< 1	3.8
	QUR-1	2014 08 31	27.1	< 0.1	0.13	5.49	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	1	< 30	< 0.05	0.8	1,970	1.59	< 0.01	0.308	< 0.5	476	< 0.5	1,530	< 0.01	871	< 0.01	< 0.1	< 10	0.143	< 1	< 3
	QUR-1-0:00	2014 08 31	33.8	< 0.1	0.16	5.57	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	1.07	31	< 0.05	0.81	1,990	2.02	-	0.3	< 0.5	479	< 0.5	1,550	< 0.01	874	< 0.01	< 0.1	< 10	0.133	< 1	< 3
	QUR-1-8:00	2014 08 31	22.3	< 0.1	0.15	5.45	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	0.91	< 30	< 0.05	0.87	1,970	1.28	-	0.31	< 0.5	472	< 0.5	1,510	< 0.01	869	< 0.01	< 0.1	< 10	0.137	< 1	< 3
	QUR-1-16:00	2014 08 31	28.9	< 0.1	0.14	5.51	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	0.99	< 30	< 0.05	0.62	2,000	1.6	-	0.309	< 0.5	480	< 0.5	1,560	< 0.01	873	< 0.01	< 0.1	< 10	0.139	< 1	3.1
	QUR-1	2014 09 01	31.2	< 0.1	0.15	5.63	< 0.1	< 0.5	< 10	< 0.01	17,600	< 0.5	< 0.1	1.07	< 30	< 0.05	0.74	2,060	1.82	< 0.01	0.348	< 0.5	488	< 0.5	1,610	< 0.01	900	< 0.01	< 0.1	< 10	0.14	< 1	< 3
	QUR-1-00:00	2014 09 01	17	< 0.1	0.15	5.34	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	0.82	< 30	< 0.05	0.71	1,970	1.04	-	0.309	< 0.5	466	< 0.5	1,510	< 0.01	858	< 0.01	< 0.1	< 10	0.136	< 1	< 3
	QUR-1-08:00	2014 09 01	30.3	< 0.1	0.17	5.51	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	0.97	< 30	< 0.05	0.7	1,960	1.84	-	0.322	< 0.5	470	< 0.5	1,540	< 0.01	854	< 0.01	< 0.1	< 10	0.136	< 1	< 3
	QUR-1-16:00	2014 09 01	26.4	< 0.1	0.14	5.36	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	0.84	< 30	< 0.05	0.59	1,890	1.87	-	0.31	< 0.5	461	< 0.5	1,460	< 0.01	822	< 0.01	< 0.1	< 10	0.132	< 1	4.2
	QUR-1-00:00	2014 09 02	15.8	< 0.1	0.12	5.38	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	0.78	< 30	< 0.05	0.65	1,980	1.1	-	0.31	< 0.5	463	< 0.5	1,510	< 0.01	856	< 0.01	< 0.1	< 10	0.136	< 1	< 3
	QUR-1-08:00	2014 09 02	16.9	< 0.1	0.13	5.46	< 0.1	< 0.5	< 10	< 0.01	17,500	< 0.5	< 0.1	0.74	< 30	< 0.05	0.64	2,040	1.25	-	0.317	< 0.5	479	< 0.5	1,560	< 0.01	884	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QUR-1-14:10	2014 09 02	21.4	< 0.1	0.12	5.39	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	0.8	< 30	< 0.05	0.57	1,990	1.43	< 0.01	0.307	< 0.5	467	< 0.5	1,540	< 0.01	855	< 0.01	< 0.1	< 10	0.131	< 1	< 3
	QUR-1-16:00	2014 09 02	22.2	0.64	0.14	5.39	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	0.84	< 30	< 0.05	0.73	1,970	1.31	-	0.318	< 0.5	442	< 0.5	1,530	< 0.01	866	< 0.01	< 0.1	< 10	0.143	< 1	< 3
	QUR-1	2014 09 03	22.6	< 0.1	0.13	5.35	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	0.87	< 30	< 0.05	0.84	1,950	1.37	< 0.01	0.327	< 0.5	451	< 0.5	1,530	< 0.01	861	< 0.01	< 0.1	< 10	0.145	< 1	< 3
	QUR-1-00:00	2014 09 03	19.6	< 0.1	0.14	5.42	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	0.87	< 30	< 0.05	0.81	1,950	1.29	-	0.32	< 0.5	436	< 0.5	1,530	< 0.01	861	< 0.01	< 0.1	< 10	0.148	< 1	< 3
	QUR-1-08:00	2014 09 03	18.1	0.36	0.13	5.51	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	0.82	< 30	< 0.05	0.76	1,980	1.7	-	0.324	< 0.5	447	< 0.5	1,540	< 0.01	867	< 0.01	< 0.1	< 10	0.14	< 1	< 3
	QUR-1-16:00	2014 09 03	15.4	< 0.1	0.16	5.55	< 0.1	< 0.5	< 10	0.012	18,000	< 0.5	< 0.1	0.86	< 30	< 0.05	0.53	2,080	1.14	-	0.321	< 0.5	478	< 0.5	1,640	< 0.01	874	< 0.01	< 0.1	< 10	0.142	< 1	< 3

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

\- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

			Physical Parameters									Total Inorganics												
Sample Location	Sample ID	Sample Date (yyyy mm dd)	Hardness (mg/L)	pH (field) (pH)	pH (pH)	Temperature (field) (C)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)	Total Kjeldahl Nitrogen (N) (mg/L)	Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Bromide (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus[g] (mg/L)
BC Guidelines																								
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	6.5-9.0		Change of 8	n/a	n/a	Change of 25	n/a	n/a	n/a	5,680-18,400[d]	32,800	60-600[d]	32,800[f]	600	988.2-1742[d]	n/a	n/a	n/a	n/a	0.005-0.015
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	+/-1 Degree change from ambient	Change of 2	n/a	n/a	Change of 5	+20% of median background	n/a	n/a	1,090-1,770[d]	3,000	20-200[d]	3,000[f]	150	n/a	128-429[d]	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	6.5-8.5	n/a[i]	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,000	500	n/a	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	6.5-8.5	n/a[i]	n/a[i]	n/a	500	n/a	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a	n/a
QUR-1	QUR-1	2014 09 04	50.5	-	7.91	-	0.6	103	59	< 3	2.16	-	0.148	5.3	73.7	< 1	-	< 0.5	34	5.93	48.1	-	< 0.001	< 0.002[a]
	QUR-1-0:00	2014 09 04	53.2	-	7.94	-	0.37	100	-	< 3	-	-	-	-	70.2	< 1	-	< 0.5	34	5.93	-	-	-	-
	QUR-1X	2014 09 04	51.3	-	7.92	-	0.52	103	61	< 3	2.17	-	0.147	5.6	73.3	< 1	-	< 0.5	33	5.92	47.2	-	< 0.001	< 0.002[a]
	QA/QC RPD %		2	-	< 1	-	14	0	3	*	*	-	*	*	< 1	*	-	*	*	< 1	2	-	*	*
	QUR-1-8:00	2014 09 04	50	-	7.91	-	0.41	99.4	-	< 3	-	-	-	-	68.4	1.2	-	< 0.5	33	5.91	-	-	-	-
	QUR-1-16:00	2014 09 04	49.9	-	7.96	-	-	103	-	< 3	-	-	-	-	70.1	< 1	-	< 0.5	32	5.97	-	-	-	-
	QUR-1-0:00	2014 09 05	51.4	-	7.99	-	-	103	-	< 3	-	-	-	-	75.3	< 1	-	< 0.5	33	6.02	-	-	-	-
	QUR-1-16:00	2014 09 05	50.1	-	7.99	-	-	104	-	< 3	-	-	-	-	65.9	< 1	-	< 0.5	32	5.98	-	-	-	-
	QUR-1-8:00	2014 09 05	50.1	-	7.98	-	-	104	-	< 3	-	-	-	-	67	1.2	-	< 0.5	32	5.97	-	-	-	-
	QUR-1	2014 09 06	50.6	8.16	7.96	19.98	0.54	102	68	< 3	1.86	-	0.14	5.8	59.7	< 1	-	< 0.5	32	5.92	48.1	-	< 0.001	< 0.002[a]
	QUR-1-0:00	2014 09 06	50.8	-	7.98	-	-	103	-	< 3	-	-	-	-	60.2	< 1	-	< 0.5	33	5.95	-	-	-	-
	QUR-1-16:00	2014 09 06	47.5	-	8	-	-	102	-	< 3	-	-	-	-	60.4	< 1	-	< 0.5	33	5.97	-	-	-	-
	QUR-1-8:00	2014 09 06	50.7	-	8	-	-	103	-	< 3	-	-	-	-	57.2	< 1	-	< 0.5	32	5.93	-	-	-	-
	QUR-1	2014 09 07	50.4	8.2	-	16.91	0.42	-	65	< 3	1.8	-	0.123	< 5	50.3	< 1	-	< 0.5	32	5.91	47.8	-	< 0.001	**0.0023**
	QUR-1-0:00	2014 09 07	48.6	-	7.99	-	-	102	-	< 3	-	-	-	-	55.1	< 1	-	< 0.5	32	5.92	-	-	-	-
	QUR-1-8:00	2014 09 07	48.6	-	7.99	-	-	102	-	< 3	-	-	-	-	53.6	1	-	< 0.5	32	5.91	-	-	-	-
	QUR-1-16:00	2014 09 07	50.2	-	8.02	-	0.4	102	-	-	-	-	-	-	55	< 1	-	< 0.5	34	5.91	-	-	-	-
	QUR-1	2014 09 08	50.3	8.24	8.05	16.2	0.63	99.8	89	< 3	2.03	-	0.123	5.1	83.8	< 1	-	< 0.5	58	6	48.1	-	< 0.001	**0.0034**
	QUR-1-00:00	2014 09 08	50.4	-	8.02	-	0.59	101	-	-	-	-	-	-	58	< 1	-	< 0.5	37	5.92	-	-	-	-
	QUR-1-08:00	2014 09 08	49.5	-	8.04	-	0.54	101	-	-	-	-	-	-	57.4	< 1	-	< 0.5	34	5.9	-	-	-	-
	QUR-1-16:00	2014 09 08	49	-	7.94	-	0.5	100	-	< 3	-	-	-	-	53.9	< 1	-	< 0.5	32	5.93	-	-	-	-
	QUR-1	2014 09 09	52.2	8.07	8.01	12.8	0.92	102	59	< 3	1.8	-	0.195	5.6	85.2	< 1	-	< 0.5	33	6.08	48.8	-	< 0.001	**0.0023**
	QUR-1-0:00	2014 09 09	51	-	8	-	0.9	102	-	< 3	-	-	-	-	77	< 1	-	< 0.5	33	6.05	-	-	-	-
	QUR-1-8:00	2014 09 09	48.8	-	8.02	-	0.78	100	-	< 3	-	-	-	-	60.3	< 1	-	< 0.5	32	5.96	-	-	-	-
	QUR-1-16:00	2014 09 14	51.2	-	7.92	-	0.57	101	-	< 3	-	-	-	-	79.7	< 1	-	< 0.5	34	6.14	-	-	-	-
	QUR-1	2014 09 15	52.5	7.88	7.98	13.6	0.54	103	71	< 3	2.05	-	0.134	< 5	71.4	< 1	-	< 0.5	35	6.13	50.4	-	< 0.001	< 0.002[a]
	QUR-1-00:00	2014 09 15	52.2	-	7.8	-	0.57	106	-	< 3	-	-	-	-	76.1	< 1	-	< 0.5	35	6.12	-	-	-	-
	QUR-1-08:00	2014 09 15	50.5	-	7.91	-	0.49	101	-	< 3	-	-	-	-	76.6	< 1	-	< 0.5	35	6.15	-	-	-	-
	QUR-1-16:00	2014 09 09	-	-	7.9	-	-	104	-	< 3	-	-	-	-	90.3	1.3	-	< 0.5	33	6.14	-	-	-	-
	QUR-1	2014 09 10	53.7	7.93	7.93	9.8	1.36	106	60	< 3	1.66	-	0.179	< 5	115	< 1	-	< 0.5	33	6.18	50.2	-	0.0026	< 0.002[a]
	QUR-1-0:00	2014 09 10	-	-	7.94	-	-	104	-	4.1	-	-	-	-	102	1.1	-	< 0.5	33	6.15	-	-	-	-
	QUR-1-8:00	2014 09 10	-	-	7.95	-	-	105	-	< 3	-	-	-	-	108	< 1	-	< 0.5	33	6.15	-	-	-	-
	QUR-1-16:00	2014 09 10	-	-	7.81	-	0.91	105	-	< 3	-	-	-	-	117	1.7	-	< 0.5	36	6.21	-	-	-	-
	QUR-1	2014 09 11	52.5	7.81	7.91	7.4	2.08	109	77	< 3	1.67	-	0.177	< 5	137	< 1	-	< 0.5	37	6.59	51.7	-	< 0.001	< 0.002[a]
	QUR-1-00:00	2014 09 11	-	-	7.91	-	1.11	108	-	< 3	-	-	-	-	128	< 1	-	< 0.5	34	6.38	-	-	-	-
	QUR-1-8:00	2014 09 11	-	-	7.94	-	1.55	108	-	< 3	-	-	-	-	136	< 1	-	< 0.5	37	6.56	-	-	-	-
	QUR-1-16:00	2014 09 11	52.3	-	7.91	-	1.88	109	-	< 3	-	-	-	-	138	1	-	< 0.5	37	6.63	-	-	-	-
	QUR-1	2014 09 12	53.6	7.94	7.92	8.9	1.59	108	67	3	1.92	-	0.174	-	123	< 1	-	< 0.5	36	6.39	51.2	-	0.0015	**0.0025**
	QUR-1-0:00	2014 09 12	54.8	-	7.96	-	1.71	108	-	4.7	-	-	-	-	139	< 1	-	< 0.5	37	6.58	-	-	-	-
	QUR-1-8:00	2014 09 12	52.6	-	8.01	-	1.68	109	-	< 3	-	-	-	-	135	1	-	< 0.5	35	6.53	-	-	-	-
	QUR-1-16:00	2014 09 12	53.5	-	7.78	-	-	107	-	< 3	-	-	-	-	119	1.2	-	< 0.5	35	6.33	-	-	-	-
	QUR-1-0:00	2014 09 13	51.7	-	7.86	-	-	106	-	< 3	-	-	-	-	108	< 1	-	< 0.5	35	6.25	-	-	-	-
	QUR-1	2014 09 13	52.5	7.65	7.9	11.7	1.07	105	65	< 3	1.73	-	0.145	< 5	88.7	< 1	-	< 0.5	34	6.16	49.6	-	< 0.001	< 0.002[a]
	QUR-1X	2014 09 13	52.6	7.65	7.8	11.7	1.01	106	62	< 3	1.67	-	0.144	< 5	88.5	< 1	-	< 0.5	34	6.15	48.6	-	< 0.001	< 0.002[a]
	QA/QC RPD %		0	*	1	0	6	1	*	*	*	-	1	*	0	*	-	*	*	0	2	*	*	*
	QUR-1-8:00	2014 09 13	53.8	-	7.87	-	-	105	-	< 3	-	-	-	-	90.2	< 1	-	< 0.5	34	6.17	-	-	-	-
	QUR-1-16:00	2014 09 13	51.1	-	7.93	-	2.2	103	-	< 3	-	-	-	-	89	< 1	-	< 0.5	-	6.18	-	-	-	-
	QUR-1	2014 09 14	52.8	7.81	7.97	12.2	1.18	102	61	< 3	1.62	-	0.148	< 5	81.3	< 1	-	< 0.5	35	6.13	54.3	-	0.001	< 0.002[a]
	QUR-1-0:00	2014 09 14	49.7	-	7.96	-	1.48	103	-	< 3	-	-	-	-	90.6	< 1	-	< 0.5	-	6.19	-	-	-	-
	QUR-1-8:00	2014 09 14	52.7	-	7.97	-	0.53	102	-	< 3	-	-	-	-	83	< 1	-	< 0.5	-	6.15	-	-	-	-
	QUR-1-16:00	2014 09 15	49.2	-	7.96	-	0.72	102	-	< 3	-	-	-	-	69.2	< 1	-	< 0.5	31	6.13	-	< 0.05	-	-

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

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BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

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[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.
[h] Calculated based on an individual sample basis, not average of 30 day results.
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[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																											
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																														
BCWQG Aquatic Life (AW)[b,c]			30-100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50-1000[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
QUR-1	QUR-1	2014 09 04	8.3	17	< 30	1.92	0.164	0.453	0.842	< 0.1	0.11	5.42	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.83	< 0.05	< 0.5	-	0.302	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.146	< 1	< 3
	QUR-1-0:00	2014 09 04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1X	2014 09 04	9.2	17.3	< 30	1.96	0.16	0.46	0.849	< 0.1	0.12	5.42	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.83	< 0.05	< 0.5	-	0.308	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.141	< 1	< 3
	QA/QC RPD %		*	2	*	2	*	2	< 1	*	*	0	*	*	*	*	*	*	*	*	-	2	*	*	*	*	*	4	*	*
	QUR-1-8:00	2014 09 04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 09 04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-0:00	2014 09 05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 09 05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-8:00	2014 09 05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 09 06	8.9	17.1	< 30	1.92	0.468	0.462	0.835	< 0.1	0.13	5.35	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.77	< 0.05	0.81	-	0.281	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.134	< 1	< 3
	QUR-1-0:00	2014 09 06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 09 06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-8:00	2014 09 06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 09 07	10.1	17	< 30	1.94	0.408	0.466	0.838	< 0.1	0.11	5.42	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.94	< 0.05	0.86	-	0.28	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.13	< 1	< 3
	QUR-1-0:00	2014 09 07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-8:00	2014 09 07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 09 07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 09 08	8.4	17	< 30	1.93	0.461	0.478	0.87	< 0.1	0.12	5.43	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.84	< 0.05	1.15	-	0.31	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.132	< 1	< 3
	QUR-1-00:00	2014 09 08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-08:00	2014 09 08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 09 08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 09 09	8.2	17.6	< 30	2.01	0.646	0.473	0.903	< 0.1	0.13	5.77	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.26	< 0.05	1.16	-	0.286	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.134	< 1	< 3
	QUR-1-0:00	2014 09 09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-8:00	2014 09 09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 09 14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 09 15	8.4	17.8	< 30	1.96	0.406	0.458	0.871	< 0.1	0.11	5.36	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.64	< 0.05	0.72	-	0.281	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
	QUR-1-00:00	2014 09 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-08:00	2014 09 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 09 09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 09 10	7	18.1	< 30	2.03	1.01	0.479	0.888	< 0.1	0.12	5.88	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.2	< 0.05	0.66	-	0.33	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.144	< 1	< 3
	QUR-1-0:00	2014 09 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-8:00	2014 09 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 09 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 09 11	6.7	17.7	< 30	2	2.93	0.484	0.966	< 0.1	0.13	5.7	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.2	< 0.05	0.72	-	0.458	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.158	< 1	< 3
	QUR-1-00:00	2014 09 11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-8:00	2014 09 11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 09 11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 09 12	7	18.1	< 30	2.05	1.9	0.481	0.932	< 0.1	0.12	5.82	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.14	< 0.05	0.67	-	0.364	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.157	< 1	< 3
	QUR-1-0:00	2014 09 12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-8:00	2014 09 12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 09 12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-0:00	2014 09 13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 09 13	7.3	17.7	< 30	2.01	0.655	0.488	0.917	< 0.1	0.12	5.72	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.16	< 0.05	0.68	-	0.332	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.142	< 1	< 3
	QUR-1X	2014 09 13	8.5	17.7	< 30	2.03	0.669	0.479	0.905	< 0.1	0.13	5.68	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.12	< 0.05	0.59	-	0.316	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.144	< 1	< 3
	QA/QC RPD %		*	0	*	1	2	2	1	*	8	1	*	*	*	*	*	4	*	*	-	5	*	*	*	*	*	*	*	*
	QUR-1-8:00	2014 09 13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 09 13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 09 14	8	17.8	< 30	2.02	0.47	0.468	0.877	< 0.1	0.12	5.65	< 0.1	< 10	0.016	< 0.5	< 0.1	0.99	< 0.05	0.84	-	0.329	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.143	< 1	< 3
	QUR-1-0:00	2014 09 14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-8:00	2014 09 14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 09 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

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[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

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BC Guidelines																																
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.016-0.079[d]	n/a	1 (Cr(+6))	110	6.0-27.9[d]	1,000	27.3-297.3[d]	870	n/a	1001-3582[d]	Methyl mercury analysis in progress	2,000	25-150[d]	373,000-432,000	2	n/a	0.1-3.0[d]	n/a	0.3	n/a	2,000	300	6	33-172.5[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	2-11[d]	n/a	4.4-14.9[d]	14[i]	n/a	791.1-1819[d]		1,000	n/a	n/a	n/a	n/a	0.05-1.5[d]	n/a	n/a	n/a	n/a	n/a	n/a	7.5-147[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	n/a	2	n/a	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	n/a	50	1	n/a	n/a	n/a	10	n/a	n/a	200,000	n/a	n/a	n/a	20	n/a	5,000
QUR-1	QUR-1	2014 09 04	37.7	< 0.1	0.15	5.9	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	1.77	34	< 0.05	< 0.5	1,950	2.46	< 0.01	0.31	< 0.5	468	< 0.5	1,590	< 0.01	858	< 0.01	< 0.1	< 10	0.146	< 1	< 3
	QUR-1-0:00	2014 09 04	25	< 0.1	0.17	5.64	< 0.1	< 0.5	< 10	< 0.01	17,900	< 0.5	< 0.1	1.43	30	< 0.05	0.54	2,050	2.19	-	0.311	< 0.5	473	< 0.5	1,660	< 0.01	875	< 0.01	< 0.1	< 10	0.149	< 1	< 3
	QUR-1X	2014 09 04	36	< 0.1	0.17	5.94	< 0.1	< 0.5	< 10	< 0.01	18,300	< 0.5	< 0.1	1.75	33	< 0.05	0.57	2,100	2.36	< 0.01	0.326	< 0.5	491	< 0.5	1,690	< 0.01	886	< 0.01	< 0.1	< 10	0.155	< 1	< 3
	QA/QC RPD %		5	*	*	< 1	*	*	*	*	7	*	*	*	*	*	*	7	*	*	5	*	5	*	6	*	3	*	*	*	6	*	*
	QUR-1-8:00	2014 09 04	25.1	< 0.1	0.15	5.57	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	1.09	< 30	< 0.05	1.19	1,920	1.69	-	0.357	< 0.5	466	< 0.5	1,560	< 0.01	931	< 0.01	< 0.1	< 10	0.156	< 1	< 3
	QUR-1-16:00	2014 09 04	20.4	< 0.1	0.14	5.5	< 0.1	< 0.5	< 10	< 0.01	16,800	0.51	< 0.1	1.39	< 30	< 0.05	0.78	1,920	1.43	-	0.326	0.57	468	< 0.5	1,530	< 0.01	856	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUR-1-0:00	2014 09 05	22.1	< 0.1	0.16	5.65	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	1.43	< 30	< 0.05	0.88	1,970	1.46	-	0.321	< 0.5	482	< 0.5	1,590	< 0.01	877	< 0.01	< 0.1	< 10	0.147	< 1	< 3
	QUR-1-16:00	2014 09 05	21.5	< 0.1	0.17	5.52	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	1.41	< 30	< 0.05	0.82	1,920	1.51	-	0.306	< 0.5	470	< 0.5	1,530	< 0.01	862	< 0.01	< 0.1	< 10	0.144	< 1	3.1
	QUR-1-8:00	2014 09 05	20.9	< 0.1	0.16	5.54	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	1.3	< 30	< 0.05	0.83	1,920	1.37	-	0.31	< 0.5	464	< 0.5	1,530	< 0.01	855	< 0.01	< 0.1	< 10	0.144	< 1	< 3
	QUR-1	2014 09 06	28	< 0.1	0.15	5.6	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	1.4	< 30	< 0.05	0.75	1,950	1.83	< 0.01	0.32	< 0.5	481	< 0.5	1,550	< 0.01	864	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QUR-1-0:00	2014 09 06	20.5	< 0.1	0.14	5.41	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	1.24	< 30	< 0.05	0.84	1,960	1.51	-	0.307	< 0.5	472	< 0.5	1,550	< 0.01	853	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QUR-1-16:00	2014 09 06	30.3	< 0.1	0.16	5.5	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	< 0.1	1.42	< 30	< 0.05	0.85	1,840	1.68	-	0.297	< 0.5	471	< 0.5	1,490	< 0.01	834	< 0.01	< 0.1	< 10	0.137	< 1	3.4
	QUR-1-8:00	2014 09 06	20.9	< 0.1	0.14	5.58	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	1.14	< 30	< 0.05	0.78	1,940	1.37	-	0.294	< 0.5	466	< 0.5	1,540	< 0.01	889	< 0.01	< 0.1	< 10	0.146	< 1	< 3
	QUR-1	2014 09 07	35.7	< 0.1	0.18	5.82	< 0.1	< 0.5	< 10	< 0.01	17,400	< 0.5	< 0.1	1.49	30	< 0.05	0.9	2,020	1.98	-	0.326	< 0.5	508	< 0.5	1,620	< 0.01	885	< 0.01	< 0.1	< 10	0.147	< 1	< 3
	QUR-1-0:00	2014 09 07	25.9	< 0.1	0.16	5.63	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	1.33	< 30	< 0.05	0.91	1,880	1.42	-	0.304	< 0.5	476	< 0.5	1,520	< 0.01	839	< 0.01	0.15	< 10	0.137	< 1	< 3
	QUR-1-8:00	2014 09 07	38.7	< 0.1	0.16	5.5	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	1.32	< 30	< 0.05	0.81	1,870	1.68	-	0.312	< 0.5	470	< 0.5	1,530	< 0.01	840	< 0.01	0.25	< 10	0.138	< 1	< 3
	QUR-1-16:00	2014 09 07	19.9	< 0.1	0.13	5.43	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	1.08	< 30	< 0.05	1.19	1,950	1.42	-	0.319	< 0.5	487	< 0.5	1,510	< 0.01	876	< 0.01	0.21	< 10	0.134	< 1	< 3
	QUR-1	2014 09 08	38.8	< 0.1	0.15	5.84	< 0.1	< 0.5	< 10	**0.057**	19,200	< 0.5	< 0.1	1.97	33	0.051	1.15	1,970	2.45	-	0.967	< 0.5	527	< 0.5	1,550	< 0.01	923	< 0.01	0.13	< 10	0.131	< 1	< 3
	QUR-1-00:00	2014 09 08	24.6	< 0.1	0.12	5.04	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	1	< 30	< 0.05	1.18	1,950	1.24	-	0.313	< 0.5	428	< 0.5	1,510	< 0.01	787	< 0.01	0.14	< 10	0.142	< 1	< 3
	QUR-1-08:00	2014 09 08	32.9	< 0.1	0.14	5.54	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	1.39	< 30	< 0.05	1.25	1,920	2.05	-	0.308	< 0.5	464	< 0.5	1,520	< 0.01	841	< 0.01	0.19	< 10	0.137	< 1	< 3
	QUR-1-16:00	2014 09 08	30.6	< 0.1	0.14	5.53	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	1.36	< 30	< 0.05	1.19	1,910	1.9	-	0.318	< 0.5	474	< 0.5	1,500	< 0.01	863	< 0.01	0.11	< 10	0.132	< 1	< 3
	QUR-1	2014 09 09	60.2	< 0.1	0.14	6.31	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	**2.55**	55	< 0.05	1.28	1,970	3.25	-	0.304	< 0.5	470	< 0.5	1,610	< 0.01	894	< 0.01	< 0.1	< 10	0.139	< 1	< 3
	QUR-1-0:00	2014 09 09	45.5	< 0.1	0.15	6.04	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	**2.49**	34	< 0.05	1.14	1,970	2.2	-	0.328	< 0.5	482	< 0.5	1,600	< 0.01	910	< 0.01	< 0.1	< 10	0.136	< 1	3.8
	QUR-1-8:00	2014 09 09	30.8	< 0.1	0.13	5.66	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	1.4	< 30	< 0.05	1.21	1,900	1.81	-	0.29	< 0.5	459	< 0.5	1,490	< 0.01	849	< 0.01	< 0.1	< 10	0.125	< 1	< 3
	QUR-1-16:00	2014 09 14	41.5	< 0.1	0.13	6.05	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	1.49	34	< 0.05	0.84	1,960	2.53	-	0.323	< 0.5	479	< 0.5	1,610	< 0.01	924	< 0.01	< 0.1	< 10	0.145	< 1	< 3
	QUR-1	2014 09 15	32	< 0.1	0.12	5.64	< 0.1	< 0.5	< 10	< 0.01	17,400	< 0.5	< 0.1	1.12	< 30	< 0.05	0.85	1,960	1.93	-	0.293	< 0.5	472	< 0.5	1,540	< 0.01	893	< 0.01	< 0.1	< 10	0.149	< 1	< 3
	QUR-1-00:00	2014 09 15	39	< 0.1	0.14	5.95	< 0.1	< 0.5	< 10	< 0.01	17,600	< 0.5	< 0.1	1.43	32	< 0.05	0.85	1,980	2.36	-	0.326	< 0.5	496	< 0.5	1,630	< 0.01	922	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QUR-1-08:00	2014 09 15	35.5	< 0.1	0.13	5.67	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	1.26	33	< 0.05	0.86	1,900	2.2	-	0.313	< 0.5	471	< 0.5	1,570	< 0.01	886	< 0.01	< 0.1	< 10	0.147	< 1	< 3
	QUR-1-16:00	2014 09 09	51.9	< 0.1	0.15	6.11	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	**2.32**	51	< 0.05	0.56	1,910	3.34	-	0.308	< 0.5	467	< 0.5	1,590	< 0.01	854	< 0.01	< 0.1	< 10	0.144	< 1	< 3
	QUR-1	2014 09 10	73.4	< 0.1	0.14	6.42	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	**2.49**	61	< 0.05	0.56	1,950	3.78	-	0.327	< 0.5	479	< 0.5	1,680	< 0.01	884	< 0.01	< 0.1	< 10	0.149	< 1	< 3
	QUR-1-0:00	2014 09 10	50.7	< 0.1	0.17	6.12	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	**2.27**	54	< 0.05	0.53	1,940	3.43	-	0.319	< 0.5	460	< 0.5	1,640	< 0.01	857	< 0.01	< 0.1	< 10	0.148	< 1	< 3
	QUR-1-8:00	2014 09 10	44	< 0.1	0.15	5.96	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	**2.14**	35	0.066	0.55	1,960	2.45	-	0.322	< 0.5	466	< 0.5	1,630	< 0.01	865	< 0.01	< 0.1	< 10	0.149	< 1	< 3
	QUR-1-16:00	2014 09 10	41.1	< 0.1	0.15	6.19	< 0.1	< 0.5	< 10	< 0.01	17,900	< 0.5	< 0.1	2.04	31	< 0.05	0.6	2,040	2.78	-	0.34	< 0.5	501	< 0.5	1,720	< 0.01	939	< 0.01	< 0.1	< 10	0.159	< 1	< 3
	QUR-1	2014 09 11	97.8	< 0.1	0.16	7.46	< 0.1	< 0.5	< 10	< 0.01	18,100	< 0.5	< 0.1	**3.4**	81	0.064	0.69	2,070	7.16	-	0.438	< 0.5	512	< 0.5	1,870	< 0.01	997	< 0.01	< 0.1	< 10	0.17	< 1	< 3
	QUR-1-00:00	2014 09 11	67.7	< 0.1	0.15	6.63	< 0.1	< 0.5	< 10	< 0.01	17,900	< 0.5	< 0.1	**2.66**	57	0.056	0.59	2,060	4.8	-	0.384	< 0.5	493	< 0.5	1,800	< 0.01	939	< 0.01	< 0.1	< 10	0.159	< 1	< 3
	QUR-1-8:00	2014 09 11	79.1	< 0.1	0.19	6.96	< 0.1	< 0.5	< 10	< 0.01	18,000	< 0.5	< 0.1	**3.1**	66	0.057	0.61	2,080	6.58	-	0.423	< 0.5	503	< 0.5	1,830	< 0.01	975	< 0.01	< 0.1	< 10	0.168	< 1	< 3
	QUR-1-16:00	2014 09 11	68.9	< 0.1	0.17	6.82	< 0.1	< 0.5	< 10	< 0.01	17,600	< 0.5	< 0.1	**2.72**	49	< 0.05	0.53	2,030	5.76	-	0.479	< 0.5	499	< 0.5	1,790	< 0.01	1,000	< 0.01	< 0.1	< 10	0.165	< 1	< 3
	QUR-1	2014 09 12	77	< 0.1	0.16	6.61	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	**2.58**	58	< 0.05	< 0.5	2,000	4.66	-	0.361	< 0.5	485	< 0.5	1,720	< 0.01	918	< 0.01	< 0.1	< 10	0.16	< 1	< 3
	QUR-1-0:00	2014 09 12	77.2	< 0.1	0.18	7.11	< 0.1	< 0.5	< 10	< 0.01	18,400	< 0.5	< 0.1	**2.92**	63	0.057	0.64	2,140	6.68	-	0.447	< 0.5	510	< 0.5	1,870	< 0.01	990	< 0.01	< 0.1	< 10	0.175	< 1	< 3
	QUR-1-8:00	2014 09 12	88.9	< 0.1	0.17	6.99	< 0.1	< 0.5	< 10	< 0.01	17,700	< 0.5	< 0.1	**2.99**	72	0.068	0.54	2,040	6.52	-	0.426	< 0.5	502	< 0.5	1,800	< 0.01	966	< 0.01	< 0.1	< 10	0.167	< 1	< 3
	QUR-1-16:00	2014 09 12	54.2	< 0.1	0.14	6.6	< 0.1	< 0.5	< 10	< 0.01	18,000	< 0.5	< 0.1	2.08	40	< 0.05	0.56	2,090	3.29	-	0.388	< 0.5	503	< 0.5	1,750	< 0.01	957	< 0.01	0.19	< 10	0.154	< 1	< 3
	QUR-1-0:00	2014 09 13	50.7	< 0.1	0.13	6.36	< 0.1	< 0.5	< 10	< 0.01	17,500	< 0.5	< 0.1	2.05	42	< 0.05	0.53	1,950	2.81	-	0.356	< 0.5	486	< 0.5	1,620	< 0.01	929	< 0.01	0.19	< 10	0.153	< 1	< 3
	QUR-1	2014 09 13	67.7	< 0.1	0.16	6.41	< 0.1	< 0.5	< 10	< 0.01	17,500	< 0.5	< 0.1	**2.22**	61	< 0.05	0.55	2,030	3.21	-	0.342	< 0.5	495	< 0.5	1,670	< 0.01	923	< 0.01	< 0.1	< 10	0.153	< 1	< 3
	QUR-1X	2014 09 13	63.3	< 0.1	0.17	6.34	< 0.1	< 0.5	< 10	< 0.01	17,600	< 0.5	< 0.1	**2.16**	58	< 0.05	0.54	2,050	3.1	-	0.343	< 0.5	497	< 0.5	1,690	< 0.01	915	< 0.01	< 0.1	< 10	0.154	< 1	< 3
	QA/QC RPD %		7	*	*	1	*	*	*	*	1	*	*	*	5	*	*	1	3	-	0	*	0	*	1	*	1	*	*	*	1	*	*
	QUR-1-8:00	2014 09 13	71.6	< 0.1	0.17	6.7	< 0.1	< 0.5	< 10	< 0.01	18,100	< 0.5	< 0.1	**2.23**	69	< 0.05	0.53	2,100	3.6	-	0.342	< 0.5	501	< 0.5	1,750	< 0.01	931	< 0.01	< 0.1	< 10	0.152	< 1	< 3
	QUR-1-16:00	2014 09 13	42.5	< 0.1	0.13	6.15	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	1.84	34	< 0.05	0.8	1,940	2.18	-	0.342	< 0.5	479	< 0.5	1,590	< 0.01	905	< 0.01	< 0.1	< 10	0.145	< 1	< 3
	QUR-1	2014 09 14	51.7	< 0.1	0.13	6.11	< 0.1	< 0.5	< 10	**0.047**	17,300	< 0.5	< 0.1	1.73	48	< 0.05	0.79	1,990	2.46	-	0.336	< 0.5	472	< 0.5	1,610	< 0.01	884	< 0.01	< 0.1	< 10	0.147	< 1	< 3
	QUR-1-0:00	2014 09 14	47.2	< 0.1	0.14	6.13	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	1.91	38	< 0.05	0.78	1,870	2.32	-	0.32	< 0.5	470	< 0.5	1,540	< 0.01	888	< 0.01	< 0.1	< 10	0.144	< 1	< 3
	QUR-1-8:00	2014 09 14	56.3	< 0.1	0.15	6.28	< 0.1	< 0.5	< 10	< 0.01	17,700	< 0.5	< 0.1	1.82	49	< 0.05	0.82	2,050	2.45	-	0.329	< 0.5	494	< 0.5	1,680	< 0.01	902	< 0.01	< 0.1	< 10	0.146	< 1	< 3
	QUR-1-16:00	2014 09 15	32.3	< 0.1	0.13	5.35	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	1.14	44	< 0.05	0.87	1,910	1.89	-	0.304	< 0.5	459	< 0.5	1,480	< 0.01	826	< 0.01	< 0.1	< 10	0.14	< 1	3.2

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

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SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

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BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical Parameters									Total Inorganics												
			Hardness (mg/L)	pH (field) (pH)	pH (pH)	Temperature (field) (C)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)	Total Kjeldahl Nitrogen (N) (mg/L)	Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Bromide (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus[g] (mg/L)
BC Guidelines																								
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	6.5-9.0		Change of 8	n/a	n/a	Change of 25	n/a	n/a	n/a	5,680-18,400[d]	32,800	60-600[d]	32,800[f]	600	988.2-1742[d]	n/a	n/a	n/a	n/a	0.005-0.015
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	+/-1 Degree change from ambient	Change of 2	n/a	n/a	Change of 5	+20% of median background	n/a	n/a	1,090-1,770[d]	3,000	20-200[d]	3,000[f]	150	n/a	128-429[d]	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	6.5-8.5	n/a[i]	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,000	500	n/a	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	6.5-8.5	n/a[i]	n/a[i]	n/a	500	n/a	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a	n/a
QUR-1	QUR-1	2014 09 16	52.5	7.9	7.87	14.3	0.41	101	71	< 3	1.6	-	0.131	< 5	65.8	< 1	-	< 0.5	32	6.13	47.6	-	< 0.001	< 0.002[a]
	QUR-1-00:00	2014 09 16	48.8	-	7.97	-	0.53	103	-	< 3	-	-	-	-	69.1	< 1	-	< 0.5	31	6.13	-	< 0.05	-	-
	QUR-1-08:00	2014 09 16	50.7	-	7.97	-	0.48	102	-	< 3	-	-	-	-	69.3	< 1	-	< 0.5	31	6.13	-	< 0.05	-	-
	QUR-1-16:00	2014 09 16	49.2	-	7.98	-	0.35	103	-	< 3	-	-	-	-	65.5	< 1	-	< 0.5	36	6.09	-	-	-	-
	QUR-1	2014 09 17	52.4	7.94	7.97	14.3	0.4	103	68	< 3	1.79	-	0.136	< 5	64.5	< 1	-	< 0.5	36	6.09	49.2	-	< 0.001	< 0.002[a]
	QUR-1-00:00	2014 09 17	49.6	-	7.97	-	0.47	103	-	< 3	-	-	-	-	67.6	< 1	-	< 0.5	38	6.09	-	-	-	-
	QUR-1-8:00	2014 09 17	51.2	-	7.96	-	0.51	103	-	< 3	-	-	-	-	69.7	< 1	-	< 0.5	37	6.1	-	-	-	-
	QUR-1-16:00	2014 09 17	50.2	-	7.9	-	0.73	102	-	< 3	-	-	-	-	64.1	< 1	-	< 0.5	37	6.05	-	-	-	-
	QUR-1	2014 09 18	51.5	7.96	7.98	14.3	0.37	103	63	< 3	1.66	-	0.124	< 5	63.6	< 1	-	< 0.5	36	6.05	49	-	< 0.001	< 0.002[a]
	QUR-1-0:00	2014 09 18	50.9	-	7.97	-	0.54	103	-	< 3	-	-	-	-	64.7	< 1	-	< 0.5	37	6.05	-	-	-	-
	QUR-1-8:00	2014 09 18	49.8	-	7.96	-	0.59	103	-	< 3	-	-	-	-	65.2	< 1	-	< 0.5	37	6.05	-	-	-	-
	QUR-1-16:00	2014 09 18	53.6	-	7.96	-	0.34	101	-	< 3	-	-	-	-	63.3	< 1	-	< 0.5	33	6.1	-	-	-	-
	QUR-1	2014 09 19	53.5	7.98	8	14.5	0.42	102	70	< 3	1.75	-	0.133	< 5	62.4	< 1	-	< 0.5	34	6.11	47.9	-	< 0.001	< 0.002[a]
	QUR-1-0:00	2014 09 19	53.5	-	8	-	0.45	101	-	< 3	-	-	-	-	63.9	< 1	-	< 0.5	33	6.13	-	-	-	-
	QUR-1-8:00	2014 09 19	53	-	8	-	0.39	101	-	< 3	-	-	-	-	63.3	< 1	-	< 0.5	33	6.11	-	-	-	-
	QUR-1-16:00	2014 09 19	49.9	-	7.98	-	0.53	101	-	< 3	-	-	-	-	62	< 1	-	< 0.5	35	6.06	-	-	-	-
	QUR-1	2014 09 20	51.8	7.68	7.84	14.6	0.44	99.3	62	< 3	1.91	-	0.135	< 5	60	< 1	-	< 0.5	34	6.06	47.3	-	< 0.001	< 0.002[a]
	QUR-1X	2014 09 20	52.3	7.68	7.89	14.6	0.41	99.8	62	< 3	1.79	-	0.136	< 5	60.2	< 1	-	< 0.5	33	6.05	48.9	-	< 0.001	< 0.002[a]
	QUR-1-0:00	2014 09 20	50.2	-	7.94	-	0.48	100	-	< 3	-	-	-	-	61.5	< 1	-	< 0.5	34	6.06	-	-	-	-
	QUR-1-8:00	2014 09 20	50.4	-	7.95	-	0.52	100	-	< 3	-	-	-	-	60.4	< 1	-	< 0.5	34	6.11	-	-	-	-
	QUR-1-16:00	2014 09 20	-	-	7.92	-	0.28	101	-	< 3	-	-	-	-	59.4	< 1	-	< 0.5	34	5.98	-	-	-	-
	QUR-1	2014 09 21	51.9	7.81	7.94	14.4	0.29	102	65	< 3	1.64	-	0.141	< 5	61	< 1	-	< 0.5	34	6.06	48.4	-	< 0.001	< 0.002[a]
	QUR-1-0:00	2014 09 21	-	-	7.95	-	0.57	102	-	< 3	-	-	-	-	61.4	< 1	-	< 0.5	35	6.11	-	-	-	-
	QUR-1-8:00	2014 09 21	-	-	7.96	-	0.38	102	-	< 3	-	-	-	-	61.7	< 1	-	< 0.5	34	6.1	-	-	-	-
	QUR-1-16:00	2014 09 21	51.2	-	7.94	-	0.33	100	-	< 3	-	-	-	-	59.5	< 1	-	< 0.5	35	5.93	-	-	-	-
	QUR-1	2014 09 22	52.2	7.86	8.02	14.8	0.31	103	65	< 3	1.86	-	0.132	< 5	58.6	< 1	-	< 0.5	34	6.13	49.9	-	< 0.001	< 0.002[a]
	QUR-1-0:00	2014 09 22	52.7	-	7.96	-	0.35	103	-	< 3	-	-	-	-	61.6	< 1	-	< 0.5	36	6.13	-	-	-	-
	QUR-1-8:00	2014 09 22	50.4	-	7.98	-	0.33	103	-	< 3	-	-	-	-	60.1	< 1	-	< 0.5	36	6.13	-	-	-	-
	QUR-1	2014 09 22	49.5	-	7.92	-	0.33	105	-	-	-	-	-	-	58.5	< 1	-	< 0.5	37	6.05	-	-	-	-
	QUR-1	2014 09 23	49.8	7.88	7.9	15.15	0.32	104	66	< 3	1.71	-	0.123	< 5	56.7	< 1	-	< 0.5	36	6.07	49.4	-	< 0.001	< 0.002[a]
	QUR-1-00:00	2014 09 23	49.7	-	7.96	-	0.32	104	-	-	-	-	-	-	58.7	< 1	-	< 0.5	36	6.03	-	-	-	-
	QUR-1-08:00	2014 09 23	49.2	-	7.96	-	0.29	103	-	-	-	-	-	-	58.1	< 1	-	< 0.5	36	6.06	-	-	-	-
	QUR-1-16:00	2014 09 23	52.3	-	7.82	-	0.35	103	-	-	-	-	-	-	55.4	< 1	-	< 0.5	31	6.14	-	-	-	-
	QUR-1	2014 09 24	51.5	7.88	7.88	15.15	0.44	100	62	< 3	1.92	-	0.111	< 5	53.9	< 1	-	< 0.5	32	6.08	49.4	-	< 0.001	< 0.002[a]
	QUR-1-0:00	2014 09 24	51	-	7.93	-	0.34	100	-	-	-	-	-	-	55.9	< 1	-	< 0.5	31	6.1	-	-	-	-
	QUR-1-8:00	2014 09 24	52.5	-	7.96	-	0.33	101	-	-	-	-	-	-	55.1	< 1	-	< 0.5	31	6.08	-	-	-	-
QUL-1	QUL-1	2014 08 06	48	8.13	7.97	20.4	0.35	94.6	59	< 3	2.16	-	0.146	< 5	50.3	< 1	-	< 0.5	31	5.6	43.8	-	< 0.001	< 0.002[a]
QUL-2	QUL-2	2014 08 06	48.3	8.13	7.98	20.6	0.33	94.4	58	< 3	2.06	-	0.152	< 5	48.3	< 1	-	< 0.5	31	5.59	43.7	-	< 0.001	< 0.002[a]
	QUL-2	2014 08 09	48.8	7.79	7.85	18.0	0.49	96.4	64	< 3	2.38	-	0.136	< 5	54.8	< 1	-	< 0.5	35	5.54	43.5	-	< 0.001	< 0.002[a]
	QUL-2	2014 08 11	47.7	7.69	7.93	20.2	0.27	97.8	67	< 3	2.39	-	0.139	< 5	52.3	< 1	-	< 0.5	34	5.62	43.7	-	< 0.001	< 0.002[a]
	QUL-2-0M	2014 08 16	48.8	8.07	7.97	20.2	0.4	95	54	< 3	2.08	-	0.111	< 5	42.5	< 1	-	< 0.5	36	5.64	43.2	-	< 0.001	< 0.002[a]
	QUL-2-10M	2014 08 16	50.6	7.89	7.93	12.1	0.3	97.7	60	< 3	1.97	-	0.14	< 5	86	< 1	-	< 0.5	36	5.75	44.4	-	< 0.001	< 0.002[a]
	QUL-2-30M	2014 08 16	53.3	7.62	7.84	4.7	1.94	107	68	< 3	1.81	-	0.181	< 5	141	< 1	-	< 0.5	38	6.34	48.1	-	< 0.001	< 0.002[a]
	QUL-2-47M	2014 08 21	62.8	7.94	7.88	5.5	48.2	133	90	22.9	1.99	-	0.328	28.3	195	< 1	-	< 0.5	55	12	55.4	-	0.0407	***0.21***
	QUL-2-0M	2014 08 25	49.5	7.93	7.97	18.4	0.27	98.4	64	< 3	2.03	-	0.131	< 5	47.9	< 1	-	< 0.5	35	5.76	43.8	-	< 0.001	< 0.002[a]
	QUL-2X-0M	2014 08 25	49.6	7.93	7.97	18.4	0.24	98.3	67	< 3	1.97	-	0.132	< 5	48	< 1	-	< 0.5	34	5.76	44.3	-	< 0.001	***0.0158***
	QA/QC RPD %		< 1	0	0	0	*	< 1	5	*	*	-	*	*	< 1	*	-	*	*	0	1	-	*	*
	QUL-2-8M	2014 08 25	50	7.94	7.95	18.1	0.27	99.9	69	< 3	1.8	-	0.145	< 5	74.7	< 1	-	< 0.5	34	5.85	45	-	0.013	***0.0156***
	QUL-2-40M	2014 08 25	58.6	7.56	7.91	5.9	17.9	119	79	11.7	1.71	-	0.246	11	166	< 1	-	< 0.5	44	8.92	51.1	-	0.0069	***0.0214***

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

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BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

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[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																											
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																														
BCWQG Aquatic Life (AW)[b,c]			30-100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50-1000[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
QUR-1	QUR-1	2014 09 16	9	17.8	< 30	1.99	0.263	0.458	0.827	< 0.1	0.11	5.11	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.59	< 0.05	0.75	-	0.258	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.14	< 1	< 3
	QUR-1-00:00	2014 09 16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-08:00	2014 09 16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 09 16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 09 17	14.5	17.7	< 30	1.99	0.348	0.463	0.84	< 0.1	0.12	5.04	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.57	< 0.05	0.74	-	0.272	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
	QUR-1-00:00	2014 09 17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-8:00	2014 09 17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 09 17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 09 18	9.2	17.4	< 30	1.96	0.238	0.454	0.83	< 0.1	< 0.1	5.02	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.54	< 0.05	0.85	-	0.275	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.151	< 1	< 3
	QUR-1-0:00	2014 09 18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-8:00	2014 09 18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 09 18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 09 19	8.5	18.2	< 30	1.97	0.258	0.421	0.809	< 0.1	0.11	4.74	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.58	< 0.05	0.71	-	0.26	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.146	< 1	< 3
	QUR-1-0:00	2014 09 19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-8:00	2014 09 19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 09 19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 09 20	7.4	17.5	< 30	1.94	0.237	0.444	0.817	< 0.1	< 0.1	4.79	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.82	-	0.244	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.147	< 1	< 3
	QUR-1X	2014 09 20	9.1	17.7	< 30	1.95	0.255	0.444	0.818	< 0.1	0.1	4.86	< 0.1	< 10	0.011	< 0.5	< 0.1	0.5	< 0.05	0.8	-	0.254	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.143	< 1	< 3
	QUR-1-0:00	2014 09 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-8:00	2014 09 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 09 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 09 21	8.3	17.6	< 30	1.94	0.214	0.445	0.836	< 0.1	< 0.1	4.89	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.52	< 0.05	0.83	-	0.254	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.148	< 1	< 3
	QUR-1-0:00	2014 09 21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-8:00	2014 09 21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 09 21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 09 22	8.9	17.7	< 30	1.93	0.278	0.443	0.822	< 0.1	< 0.1	4.83	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.5	< 0.05	0.82	-	0.251	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.147	< 1	< 3
	QUR-1-0:00	2014 09 22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-8:00	2014 09 22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 09 22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 09 23	9.2	17	< 30	1.81	0.29	0.435	0.821	< 0.1	0.11	4.87	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.8	-	0.252	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.142	< 1	< 3
	QUR-1-00:00	2014 09 23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-08:00	2014 09 23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-16:00	2014 09 23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1	2014 09 24	8.6	17.5	< 30	1.92	0.237	0.443	0.8	< 0.1	< 0.1	4.93	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.74	-	0.235	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.148	< 1	< 3
	QUR-1-0:00	2014 09 24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-8:00	2014 09 24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QUL-1	QUL-1	2014 08 06	11.7	16.1	< 30	1.9	0.422	0.461	1.04	< 0.1	< 0.1	5.19	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.56	< 0.05	< 0.5	< 0.05	0.356	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.127	< 1	< 3
QUL-2	QUL-2	2014 08 06	11.4	16.2	< 30	1.92	0.443	0.479	1.09	< 0.1	0.1	5.18	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.58	< 0.05	< 0.5	< 0.05	0.368	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.129	< 1	< 3
	QUL-2	2014 08 09	10.3	16.4	< 30	1.89	0.804	0.48	0.841	< 0.1	< 0.1	5.39	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.61	-	0.298	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.138	< 1	< 3
	QUL-2	2014 08 11	11.4	16	< 30	1.87	0.77	0.496	0.846	< 0.1	0.11	5.23	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.97	-	0.28	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.12	< 1	< 3
	QUL-2-0M	2014 08 16	10.3	16.4	< 30	1.9	0.527	0.468	0.808	< 0.1	0.12	5.45	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.54	< 0.05	0.64	-	0.286	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.124	< 1	< 3
	QUL-2-10M	2014 08 16	9.6	17.1	< 30	1.9	0.288	0.453	0.791	< 0.1	< 0.1	5.1	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.72	-	0.254	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.144	< 1	< 3
	QUL-2-30M	2014 08 16	5.7	18	< 30	2.02	3.26	0.475	0.924	< 0.1	0.1	5.5	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.71	< 0.05	0.84	-	0.336	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.164	< 1	< 3
	QUL-2-47M	2014 08 21	11.7	21.2	< 30	2.37	53.9	0.732	3.23	0.15	0.46	13.2	< 0.1	< 10	< 0.01	< 0.5	< 0.1	4.06	< 0.05	0.99	-	2.92	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.438	< 1	< 3
	QUL-2-0M	2014 08 25	10	16.7	< 30	1.91	0.377	0.456	0.799	< 0.1	< 0.1	5.18	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.279	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
	QUL-2X-0M	2014 08 25	9.6	16.7	< 30	1.91	0.384	0.444	0.796	< 0.1	0.12	5.16	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.265	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.126	< 1	< 3
	QA/QC RPD %		*	0	*	0	2	3	< 1	*	*	< 1	*	*	*	*	*	*	*	*	-	5	*	*	*	*	*	5	*	*
	QUL-2-8M	2014 08 25	9.9	16.9	< 30	1.91	0.343	0.462	0.863	< 0.1	0.1	5.22	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.57	< 0.05	< 0.5	-	0.263	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
	QUL-2-40M	2014 08 25	8.3	19.8	< 30	2.21	21.8	0.594	1.53	< 0.1	0.24	8.95	< 0.1	< 10	< 0.01	< 0.5	< 0.1	2.46	< 0.05	0.63	-	1.47	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.27	< 1	< 3

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Metals																													
			Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bismuth (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Magnesium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Potassium (µg/L)	Selenium (µg/L)	Silicon (µg/L)	Silver (µg/L)	Sodium (µg/L)	Thallium (µg/L)	Tin (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																																
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.016-0.079[d]	n/a	1 (Cr(+6))	110	6.0-27.9[d]	1,000	27.3-297.3[d]	870	n/a	1001-3582[d]	Methyl mercury analysis in progress	2,000	25-150[d]	373,000-432,000	2	n/a	0.1-3.0[d]	n/a	0.3	n/a	2,000	300	6	33-172.5[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	2-11[d]	n/a	4.4-14.9[d]	14[i]	n/a	791.1-1819[d]		1,000	n/a	n/a	n/a	n/a	0.05-1.5[d]	n/a	n/a	n/a	n/a	n/a	n/a	7.5-147[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	n/a	2	n/a	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	n/a	50	1	n/a	n/a	n/a	10	n/a	n/a	200,000	n/a	n/a	n/a	20	n/a	5,000
QUR-1	QUR-1	2014 09 16	30.6	< 0.1	0.13	5.35	< 0.1	< 0.5	< 10	< 0.01	17,400	< 0.5	< 0.1	0.8	< 30	< 0.05	0.81	1,970	1.44	-	0.292	< 0.5	452	< 0.5	1,490	< 0.01	823	< 0.01	< 0.1	< 10	0.14	< 1	< 3
	QUR-1-00:00	2014 09 16	24	< 0.1	0.12	5.18	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.98	< 30	< 0.05	0.76	1,900	1.85	-	0.278	< 0.5	440	< 0.5	1,430	< 0.01	795	< 0.01	< 0.1	< 10	0.133	< 1	< 3
	QUR-1-08:00	2014 09 16	29.7	< 0.1	0.13	5.28	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	0.88	< 30	< 0.05	0.84	1,940	1.67	-	0.293	< 0.5	452	< 0.5	1,490	< 0.01	813	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QUR-1-16:00	2014 09 16	27	< 0.1	0.13	5.07	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	0.88	< 30	< 0.05	0.82	1,870	1.79	-	0.316	< 0.5	446	< 0.5	1,430	< 0.01	819	< 0.01	0.12	< 10	0.14	< 1	< 3
	QUR-1	2014 09 17	22.5	< 0.1	0.13	4.99	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	0.85	< 30	< 0.05	0.77	1,890	1.2	-	0.278	< 0.5	454	< 0.5	1,400	< 0.01	813	< 0.01	< 0.1	< 10	0.137	< 1	< 3
	QUR-1-00:00	2014 09 17	32.8	< 0.1	0.13	5.11	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	0.9	33	< 0.05	0.78	1,900	2.06	-	0.27	< 0.5	434	< 0.5	1,450	< 0.01	798	< 0.01	< 0.1	< 10	0.136	< 1	< 3
	QUR-1-8:00	2014 09 17	29.3	0.12	0.12	5.2	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	0.85	< 30	< 0.05	0.88	1,960	1.67	-	0.282	< 0.5	455	< 0.5	1,500	< 0.01	826	< 0.01	< 0.1	< 10	0.144	< 1	< 3
	QUR-1-16:00	2014 09 17	28.3	< 0.1	0.14	5.31	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	1.1	< 30	< 0.05	0.91	1,930	1.9	-	0.285	< 0.5	458	< 0.5	1,490	< 0.01	840	< 0.01	< 0.1	< 10	0.156	< 1	< 3
	QUR-1	2014 09 18	23.2	< 0.1	0.15	5.15	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	1.06	< 30	0.086	0.88	1,900	1.47	-	0.291	< 0.5	448	< 0.5	1,440	< 0.01	843	< 0.01	< 0.1	< 10	0.154	< 1	< 3
	QUR-1-0:00	2014 09 18	16.7	< 0.1	0.13	5.2	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	0.78	< 30	< 0.05	0.93	1,950	1.14	-	0.276	< 0.5	451	< 0.5	1,500	< 0.01	832	< 0.01	< 0.1	< 10	0.156	< 1	< 3
	QUR-1-8:00	2014 09 18	18.3	< 0.1	0.13	4.96	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	0.69	< 30	< 0.05	0.97	1,880	1.12	-	0.295	< 0.5	442	< 0.5	1,460	< 0.01	802	< 0.01	< 0.1	< 10	0.15	< 1	< 3
	QUR-1-16:00	2014 09 18	24.9	< 0.1	0.12	5.24	< 0.1	< 0.5	< 10	< 0.01	18,200	< 0.5	< 0.1	0.85	< 30	< 0.05	0.74	2,000	1.55	-	0.285	< 0.5	455	< 0.5	1,560	< 0.01	875	< 0.01	< 0.1	< 10	0.154	< 1	< 3
	QUR-1	2014 09 19	27	< 0.1	0.14	5.27	< 0.1	< 0.5	< 10	< 0.01	18,500	< 0.5	< 0.1	0.91	< 30	< 0.05	0.79	2,030	1.42	-	0.291	< 0.5	455	< 0.5	1,580	< 0.01	869	< 0.01	< 0.1	< 10	0.152	< 1	< 3
	QUR-1-0:00	2014 09 19	26.6	< 0.1	0.14	5.41	< 0.1	< 0.5	< 10	< 0.01	18,200	< 0.5	< 0.1	0.82	< 30	< 0.05	0.81	1,990	1.7	-	0.281	< 0.5	463	< 0.5	1,560	< 0.01	852	< 0.01	< 0.1	< 10	0.151	< 1	< 3
	QUR-1-8:00	2014 09 19	23.3	< 0.1	0.14	5.53	< 0.1	< 0.5	< 10	< 0.01	18,000	< 0.5	< 0.1	0.84	< 30	< 0.05	< 0.5	1,960	1.46	-	0.29	< 0.5	478	< 0.5	1,530	< 0.01	867	< 0.01	< 0.1	< 10	0.156	< 1	< 3
	QUR-1-16:00	2014 09 19	16	< 0.1	0.12	5.02	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	0.75	< 30	< 0.05	0.8	1,910	1.12	-	0.272	< 0.5	442	< 0.5	1,430	< 0.01	879	< 0.01	< 0.1	< 10	0.152	< 1	3.8
	QUR-1	2014 09 20	21.4	< 0.1	0.12	4.85	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	0.69	< 30	< 0.05	0.7	1,860	1.27	-	0.254	< 0.5	431	< 0.5	1,380	< 0.01	826	< 0.01	< 0.1	< 10	0.149	< 1	< 3
	QUR-1X	2014 09 20	17.9	< 0.1	0.13	4.96	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	0.7	< 30	< 0.05	0.79	1,890	1.27	-	0.268	< 0.5	447	< 0.5	1,420	< 0.01	865	< 0.01	< 0.1	< 10	0.152	< 1	< 3
	QUR-1-0:00	2014 09 20	14.5	< 0.1	0.11	5	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	0.7	< 30	< 0.05	0.69	1,890	0.994	-	0.264	< 0.5	445	< 0.5	1,420	< 0.01	848	< 0.01	< 0.1	< 10	0.149	< 1	< 3
	QUR-1-8:00	2014 09 20	16.1	< 0.1	0.11	4.86	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	0.67	< 30	< 0.05	0.63	1,890	1.02	-	0.261	< 0.5	442	< 0.5	1,420	< 0.01	846	< 0.01	< 0.1	< 10	0.15	< 1	< 3
	QUR-1-16:00	2014 09 20	17.4	< 0.1	0.11	4.94	< 0.1	< 0.5	< 10	**0.019**	17,100	< 0.5	< 0.1	0.78	< 30	< 0.05	0.81	1,880	1	-	0.276	< 0.5	451	< 0.5	1,420	< 0.01	867	< 0.01	< 0.1	< 10	0.152	< 1	3.9
	QUR-1	2014 09 21	22.6	< 0.1	0.12	5.06	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	0.79	< 30	< 0.05	0.76	1,910	1.37	-	0.281	< 0.5	451	< 0.5	1,450	< 0.01	873	< 0.01	< 0.1	< 10	0.153	< 1	< 3
	QUR-1-0:00	2014 09 21	21.2	< 0.1	0.12	5.04	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	0.67	< 30	< 0.05	0.88	1,880	1.06	-	0.279	< 0.5	456	< 0.5	1,430	< 0.01	856	< 0.01	0.1	< 10	0.161	< 1	< 3
	QUR-1-8:00	2014 09 21	17.7	< 0.1	0.13	4.97	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	0.75	< 30	< 0.05	0.74	1,880	1.06	-	0.266	< 0.5	454	< 0.5	1,440	< 0.01	868	< 0.01	< 0.1	< 10	0.151	< 1	< 3
	QUR-1-16:00	2014 09 21	21	< 0.1	0.13	5.18	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	0.81	< 30	< 0.05	0.9	1,930	1.9	-	0.292	< 0.5	454	< 0.5	1,480	< 0.01	865	< 0.01	< 0.1	< 10	0.153	< 1	4.8
	QUR-1	2014 09 22	< 21	< 0.1	0.11	4.94	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	0.77	< 30	< 0.05	0.77	1,860	1.32	-	0.264	< 0.5	455	< 0.5	1,400	< 0.01	848	< 0.01	< 0.1	< 10	0.147	< 1	< 3
	QUR-1-0:00	2014 09 22	15.8	< 0.1	0.12	5.17	< 0.1	< 0.5	< 10	< 0.01	17,800	< 0.5	< 0.1	0.7	< 30	< 0.05	0.79	1,980	1.07	-	0.28	< 0.5	473	< 0.5	1,500	< 0.01	880	< 0.01	< 0.1	< 10	0.153	< 1	< 3
	QUR-1-8:00	2014 09 22	23.2	< 0.1	0.13	5.02	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	0.8	< 30	< 0.05	0.84	1,900	1.56	-	0.259	< 0.5	450	< 0.5	1,430	< 0.01	849	< 0.01	< 0.1	< 10	0.147	< 1	< 3
	QUR-1	2014 09 22	16.8	< 0.1	0.14	5.01	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	0.65	< 30	< 0.05	0.81	1,810	1.12	-	0.31	< 0.5	442	< 0.5	1,430	< 0.01	833	< 0.01	< 0.1	< 10	0.157	< 1	< 3
	QUR-1	2014 09 23	23.2	< 0.1	0.14	5.53	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	0.88	< 30	< 0.05	0.69	1,830	1.44	-	0.241	0.54	494	< 0.5	1,430	< 0.01	903	< 0.01	< 0.1	< 10	0.147	< 1	< 3
	QUR-1-00:00	2014 09 23	22	< 0.1	0.13	4.91	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	0.64	< 30	< 0.05	0.76	1,810	1.26	-	0.278	< 0.5	416	< 0.5	1,420	< 0.01	796	< 0.01	0.1	< 10	0.158	< 1	< 3
	QUR-1-08:00	2014 09 23	23.9	0.13	0.14	4.9	< 0.1	< 0.5	< 10	0.014	16,700	< 0.5	< 0.1	0.75	< 30	< 0.05	0.76	1,790	1.7	-	0.303	< 0.5	438	< 0.5	1,400	< 0.01	817	< 0.01	0.11	< 10	0.167	< 1	< 3
	QUR-1-16:00	2014 09 23	16.3	< 0.1	0.13	5.14	< 0.1	< 0.5	< 10	< 0.01	17,700	< 0.5	< 0.1	0.59	< 30	< 0.05	0.79	1,960	0.954	-	0.28	< 0.5	459	< 0.5	1,470	< 0.01	844	< 0.01	< 0.1	< 10	0.163	< 1	< 3
	QUR-1	2014 09 24	21.4	< 0.1	0.13	5.17	< 0.1	< 0.5	< 10	< 0.01	17,500	< 0.5	< 0.1	0.67	< 30	< 0.05	0.75	1,940	1.32	-	0.251	< 0.5	460	< 0.5	1,450	< 0.01	829	< 0.01	< 0.1	< 10	0.157	< 1	< 3
	QUR-1-0:00	2014 09 24	14.4	< 0.1	0.11	5.01	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	0.77	< 30	< 0.05	< 0.5	1,910	0.937	-	0.277	< 0.5	432	< 0.5	1,430	< 0.01	791	< 0.01	0.12	< 10	0.157	< 1	< 3
	QUR-1-8:00	2014 09 24	16.8	< 0.1	0.13	5.2	< 0.1	< 0.5	< 10	< 0.01	17,800	< 0.5	< 0.1	0.64	< 30	< 0.05	0.74	1,960	1.01	-	0.276	< 0.5	465	< 0.5	1,460	< 0.01	840	< 0.01	0.11	< 10	0.164	< 1	< 3
QUL-1	QUL-1	2014 08 06	21.7	< 0.1	0.1	5.28	< 0.1	< 0.5	< 10	< 0.01	16,100	< 0.5	< 0.1	0.71	< 30	< 0.05	< 0.5	1,920	1.36	< 0.05	0.295	< 0.5	475	< 0.5	1,610	< 0.01	857	< 0.01	< 0.1	< 10	0.14	< 1	< 3
QUL-2	QUL-2	2014 08 06	17.6	< 0.1	0.11	5.34	< 0.1	< 0.5	< 10	< 0.01	15,900	< 0.5	< 0.1	0.62	< 30	< 0.05	< 0.5	1,910	1.4	< 0.05	0.302	< 0.5	473	< 0.5	1,590	< 0.01	822	< 0.01	< 0.1	< 10	0.131	< 1	< 3
	QUL-2	2014 08 09	21.4	< 0.1	0.12	5.57	< 0.1	< 0.5	< 10	< 0.01	16,100	< 0.5	< 0.1	0.67	< 30	< 0.05	0.61	1,900	1.93	< 0.05	0.303	< 0.5	484	< 0.5	1,580	< 0.01	828	< 0.01	< 0.1	< 10	0.139	< 1	< 3
	QUL-2	2014 08 11	17.5	< 0.1	0.16	5.36	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	< 0.1	0.72	< 30	< 0.05	0.83	1,880	1.23	< 0.05	0.317	< 0.5	496	< 0.5	1,530	< 0.01	849	< 0.01	< 0.1	< 10	0.131	< 1	< 3
	QUL-2-0M	2014 08 16	18.9	< 0.1	0.14	5.52	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	< 0.1	0.66	< 30	< 0.05	0.51	1,870	1.45	-	0.315	< 0.5	477	< 0.5	1,560	< 0.01	836	< 0.01	< 0.1	< 10	0.14	< 1	< 3
	QUL-2-10M	2014 08 16	21	< 0.1	0.11	5.31	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	0.95	< 30	< 0.05	0.52	1,840	1.07	-	0.268	< 0.5	467	< 0.5	1,520	< 0.01	810	< 0.01	< 0.1	< 10	0.151	< 1	< 3
	QUL-2-30M	2014 08 16	***126***	< 0.1	0.15	7.32	< 0.1	< 0.5	< 10	< 0.01	18,300	< 0.5	< 0.1	**2.8**	97	< 0.05	< 0.5	2,120	7.03	-	0.358	< 0.5	522	< 0.5	1,980	< 0.01	987	< 0.01	< 0.1	< 10	0.198	< 1	< 3
	QUL-2-47M	2014 08 21	***2,810***	0.17	1.2	61.6	< 0.1	< 0.5	< 10	0.02	21,100	**1.68**	1.25	**51.7**	***1,800***	1.03	2.26	3,160	***109***	-	3.02	1.8	1,740	< 0.5	7,730	0.023	3,290	0.012	0.15	113	0.526	5.4	7.3
	QUL-2-0M	2014 08 25	16.8	< 0.1	0.11	5.42	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	0.67	< 30	< 0.05	< 0.5	1,930	1.15	-	0.308	< 0.5	477	< 0.5	1,560	< 0.01	837	< 0.01	< 0.1	< 10	0.143	< 1	< 3
	QUL-2X-0M	2014 08 25	16	< 0.1	0.13	5.36	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	0.63	< 30	< 0.05	< 0.5	1,880	1.08	-	0.293	< 0.5	465	< 0.5	1,520	< 0.01	831	< 0.01	< 0.1	< 10	0.134	< 1	< 3
	QA/QC RPD %		5	*	*	1	*	*	*	*	1	*	*	*	*	*	*	3	*	-	5	*	3	*	3	*	< 1	*	*	*	7	*	*
	QUL-2-8M	2014 08 25	18.2	< 0.1	0.11	5.18	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	0.61	< 30	< 0.05	< 0.5	1,940	1.16	-	0.292	< 0.5	466	< 0.5	1,570	< 0.01	874	< 0.01	< 0.1	< 10	0.148	< 1	< 3
	QUL-2-40M	2014 08 25	***1,050***	< 0.1	0.55	28	< 0.1	< 0.5	< 10	< 0.01	19,400	0.65	0.42	**22**	***630***	0.384	1.1	2,420	43.1	< 0.05	1.56	0.85	986	< 0.5	4,070	< 0.01	1,710	< 0.01	< 0.1	43	0.309	2.1	< 3

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

			Physical Parameters									Total Inorganics													
Sample Location	Sample ID	Sample Date (yyyy mm dd)	Hardness (mg/L)	pH (field) (pH)	pH (pH)	Temperature (field) (C)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)	Total Kjeldahl Nitrogen (N) (mg/L)	Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Bromide (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus[g] (mg/L)
BC Guidelines																									
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	6.5-9.0		Change of 8	n/a	n/a	Change of 25	n/a	n/a	n/a	5,680-18,400[d]	32,800	60-600[d]	32,800[f]	600	988.2-1742[d]	n/a	n/a	n/a	n/a	0.005-0.015
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	+/-1 Degree change from ambient	Change of 2	n/a	n/a	Change of 5	+20% of median background	n/a	n/a	1,090-1,770[d]	3,000	20-200[d]	3,000[f]	150	n/a	128-429[d]	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	6.5-8.5	n/a[i]	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,000	500	n/a	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	6.5-8.5	n/a[i]	n/a[i]	n/a	500	n/a	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a	n/a
QUL-2	QUL-2-0M	2014 08 27	49.5	7.97	7.98	18.9	0.25	98.2	63	< 3	2.1	-	0.12	< 5	43.6	< 1	-	< 0.5	34	5.76	44.6	-	0.001	< 0.002[a]
	QUL-2-15M	2014 08 27	50.7	-	7.97	-	3.55	102	65	< 3	2.06	-	0.15	< 5	81.8	< 1	-	< 0.5	35	6.11	45.5	-	< 0.001	< 0.002[a]
	QUL-2-42M	2014 08 27	63	-	7.97	-	49	135	107	11.3	1.92	-	0.29	33.1	189	< 1	-	< 0.5	56	12.8	54.1	-	0.0019	**0.0034**
	QUL-2-0M	2014 08 29	49.5	-	7.91	-	0.45	95.6	56	< 3	2.3	-	0.124	< 5	44.8	< 1	-	< 0.5	35	5.73	44	-	< 0.001	< 0.002[a]
	QUL-2-37M	2014 08 29	55.2	-	7.86	-	8.69	110	69	6.8	1.79	-	0.215	5.3	150	< 1	-	< 0.5	40	7.19	49.8	-	< 0.001	< 0.002[a]
	QUL-2-0M	2014 09 02	50.8	8.06	7.99	17.98	0.27	97.3	67	< 3	2.04	-	0.119	6.4	41.8	< 1	-	< 0.5	32	5.75	44.4	-	< 0.001	**0.0027**
	QUL-2-14M	2014 09 02	52.2	7.83	7.95	11.29	2.13	101	69	< 3	2.11	-	0.172	10.6	102	< 1	-	< 0.5	33	6.02	46.4	-	< 0.001	**0.0029**
	QUL-2-40M	2014 09 02	60.2	7.38	7.95	5.2	25.4	123	87	4.3	2.06	-	0.26	23.5	173	< 1	-	< 0.5	47	10.5	52.1	-	< 0.001	**0.0041**
	QUL-2X-40M	2014 09 02	60.4	7.38	7.96	5.2	23.4	122	87	6.3	1.85	-	0.258	22.2	172	< 1	-	< 0.5	47	10.4	52.6	-	< 0.001	**0.0032**
	QA/QC RPD %		< 1	0	< 1	0	8	< 1	0	*	*	-	< 1	*	< 1	*	-	*	*	< 1	< 1	-	*	*
	QUL-2-0M	2014 09 03	49.6	7.86	7.98	17.8	0.39	97.5	59	< 3	2.04	-	0.115	< 5	41.1	< 1	-	< 0.5	33	5.72	45.8	-	< 0.001	**0.0028**
	QUL-2-47M	2014 09 03	66	7.97	7.99	-	55.7	140	101	12.6	2.03	-	0.328	46.5	209	1.2	-	< 0.5	58	14.3	56.8	-	0.0014	**0.0038**
	QUL-2-0M	2014 09 06	49.4	7.77	7.97	18.2	0.29	98.8	70	< 3	1.86	-	0.146	7.3	42.3	< 1	-	< 0.5	32	5.8	47.1	-	< 0.001	< 0.002[a]
	QUL-2-9M	2014 09 06	50.5	7.59	7.92	12.2	0.58	102	66	< 3	1.72	-	0.153	6.4	94.6	< 1	-	< 0.5	33	6.01	48.2	-	< 0.001	< 0.002[a]
	QUL-2-49M	2014 09 06	66.3	7.28	7.94	6.38	58.1	148	105	10.5	1.73	-	0.319	50.9	196	2	-	0.56	69	16.9	59.8	-	0.0016	**0.0032**
	QUL-2-0M	2014 09 11	51.1	8.07	7.92	13.9	0.91	101	67	< 3	2.3	-	0.122	< 5	61	< 1	-	< 0.5	34	5.9	49	-	< 0.001	< 0.002[a]
	QUL-2-22M	2014 09 11	55.7	7.86	7.91	5.6	7.07	113	75	7	1.72	-	0.188	8.1	152	< 1	-	< 0.5	40	7.6	53	-	< 0.001	< 0.002[a]
	QUL-2-44M	2014 09 11	58.7	7.75	8.03	5.3	15.4	120	80	9.1	1.88	-	0.204	17.4	154	< 1	-	< 0.5	49	9.36	56.6	-	< 0.001	< 0.002[a]
	QUL-2-0M	2014 09 13	51.9	7.88	7.8	14.6	0.31	102	62	3.7	1.83	-	0.131	< 5	63.6	< 1	-	< 0.5	32	6	47.4	-	< 0.001	**0.0022**
	QUL-2-13M	2014 09 13	51.9	7.81	7.81	9.1	0.93	104	63	4.3	1.64	-	0.143	< 5	84.4	< 1	-	< 0.5	34	6.08	48	-	< 0.001	**0.0021**
	QUL-2-43M	2014 09 13	58.2	7.79	7.82	8.1	13.1	119	76	7.2	1.6	-	0.209	11.9	155	1	-	< 0.5	52	8.81	52.8	-	< 0.001	**0.0025**
	QUL-2X-43M	2014 09 13	58.5	7.79	7.83	8.1	13.7	119	80	8.9	1.67	-	0.213	13.5	155	< 1	-	< 0.5	53	8.79	52.8	-	< 0.001	**0.0023**
	QA/QC RPD %		< 1	0	< 1	0	5	0	5	*	*	-	*	*	0	*	-	*	*	< 1	0	-	*	*
	QUL-2-0M	2014 09 15	49.3	8.03	7.96	15.1	0.27	100	62	< 3	1.73	-	0.114	< 5	60.4	< 1	-	< 0.5	31	6.07	47.9	-	< 0.001	< 0.002[a]
	QUL-2X-0M	2014 09 15	50.6	8.03	7.86	15.1	0.24	99.7	64	< 3	1.77	-	0.114	< 5	59.6	< 1	-	< 0.5	32	6.07	46.6	-	< 0.001	< 0.002[a]
	QA/QC RPD %		3	0	1	0	12	0	3	*	*	-	*	*	1	*	-	*	*	0	3	-	*	*
	QUL-2-25M	2014 09 15	53.7	7.84	7.96	6.1	7.18	112	71	< 3	1.71	-	0.187	7.5	147	< 1	-	< 0.5	38	7.64	54.7	-	< 0.001	< 0.002[a]
	QUL-2-38M	2014 09 15	62.2	7.65	8.01	5.5	42.1	138	95	6	1.75	-	0.254	31.2	174	2.2	-	< 0.5	71	14.1	57.2	-	< 0.001	**0.0038**
	QUL-2-50M	2014 09 15	65	7.93	8.03	6.3	65.3	146	100	9.7	1.7	-	0.296	44	181	2.4	-	0.5	76	16.3	59.2	-	0.0022	**0.0038**
	QUL-2-0M	2014 09 17	51.5	7.97	8	14.9	0.26	102	69	< 3	1.93	-	0.115	< 5	57.7	< 1	-	< 0.5	35	5.98	48.8	-	< 0.001	< 0.002[a]
	QUL-2-16M	2014 09 17	52	7.82	7.96	11.5	1.88	103	67	< 3	1.99	-	0.139	< 5	80.9	< 1	-	< 0.5	36	6.1	48.8	-	< 0.001	< 0.002[a]
	QUL-2-47M	2014 09 17	63.7	7.76	8.03	6.2	51.2	145	101	9.1	1.92	-	0.28	42.5	179	1.9	-	< 0.5	73	15.7	58.8	-	0.0023	**0.0042**
	QUL-2-0M	2014 09 09	49.3	8.08	7.91	15.8	1.05	101	68	< 3	1.9	-	0.121	< 5	48	< 1	-	< 0.5	33	5.85	47.8	-	< 0.001	< 0.002[a]
	QUL-2-13M	2014 09 09	52.5	7.72	7.92	5.5	2.94	107	74	< 3	1.73	-	0.174	< 5	123	< 1	-	< 0.5	37	6.49	50.5	-	< 0.001	< 0.002[a]
	QUL-2-48M	2014 09 09	64.8	7.77	7.96	5.6	50.9	140	100	13.7	1.73	-	0.29	42	195	1.6	-	< 0.5	62	13.9	58	-	0.0014	**0.003**
	QUL-2-0M	2014 09 19	50.8	7.99	8.15	16	0.24	105	62	< 3	1.75	-	0.122	< 5	55.8	< 1	-	< 0.5	34	6.02	50.6	-	< 0.001	< 0.002[a]
	QUL-2-25M	2014 09 19	53.1	7.62	7.82	5.7	1.85	104	66	< 3	1.75	-	0.184	< 5	125	< 1	-	< 0.5	34	6.38	49.5	-	< 0.001	< 0.002[a]
	QUL-2-48M	2014 09 19	63	7.76	7.95	6.1	35.2	133	88	4.1	1.76	-	0.27	30.4	173	1.1	-	< 0.5	57	13	57.1	-	< 0.001	**0.0024**
	QUL-2-0M	2014 09 22	48.5	8.03	7.93	14.98	0.33	101	65	< 3	1.85	-	0.125	< 5	58.5	< 1	-	< 0.5	30	6.02	48.2	-	< 0.001	< 0.002[a]
	QUL-2X-0M	2014 09 22	48.3	8.03	7.94	14.98	0.41	102	65	< 3	1.84	-	0.125	< 5	57.5	< 1	-	< 0.5	35	6.02	48.1	-	< 0.001	< 0.002[a]
	QA/QC RPD %		< 1	0	< 1	0	*	< 1	0	*	*	-	*	*	2	*	-	*	*	0	< 1	-	*	*
	QUL-2-25M	2014 09 22	52.7	7.68	7.9	6.08	3.47	110	69	3.4	1.82	-	0.211	6.1	144	< 1	-	< 0.5	38	7.06	50.9	-	< 0.001	< 0.002[a]
	QUL-2X-25M	2014 09 22	52.1	7.68	7.9	6.08	4.18	111	71	< 3	1.62	-	0.207	5.8	146	< 1	-	< 0.5	38	7.17	51.9	-	< 0.001	< 0.002[a]
	QA/QC RPD %		1	0	0	0	19	< 1	3	*	*	-	*	*	1	*	-	*	*	2	2	-	*	*
	QUL-2-47M	2014 09 22	62.5	7.86	7.74	6.4	57.4	148	102	7.5	1.59	-	0.319	42.3	185	2.2	-	0.54	68	16.5	60.3	-	0.0014	**0.004**

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																												
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																															
BCWQG Aquatic Life (AW)[b,c]			30-100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50-1000[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
QUL-2	QUL-2-0M	2014 08 27	9.9	16.6	< 30	1.93	0.331	0.449	0.835	< 0.1	< 0.1	5.1	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.67	-	0.274	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.135	< 1	< 3
	QUL-2-15M	2014 08 27	9.3	17.2	< 30	1.92	1.83	0.449	0.862	< 0.1	< 0.1	5.59	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.13	< 0.05	0.75	-	0.284	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.145	< 1	< 3
	QUL-2-42M	2014 08 27	10.9	21.3	< 30	2.39	44	0.811	2.49	0.16	0.48	13.1	< 0.1	< 10	< 0.01	< 0.5	< 0.1	4.15	< 0.05	0.83	-	3.4	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.434	< 1	< 3
	QUL-2-0M	2014 08 29	10.8	16.6	< 30	1.93	0.341	0.467	0.842	< 0.1	0.1	5.16	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.53	-	0.26	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.134	< 1	< 3
	QUL-2-37M	2014 08 29	8	18.6	< 30	2.12	9.3	0.533	1.2	< 0.1	0.17	6.78	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.7	< 0.05	0.67	-	0.78	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.197	< 1	< 3
	QUL-2-0M	2014 09 02	10.2	17.1	< 30	1.94	0.267	0.46	0.834	< 0.1	< 0.1	5.2	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.67	-	0.279	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
	QUL-2-14M	2014 09 02	8.9	17.7	< 30	1.95	2.27	0.457	0.853	< 0.1	< 0.1	6.24	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.95	< 0.05	0.73	-	0.358	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.147	< 1	< 3
	QUL-2-40M	2014 09 02	10.1	20.4	< 30	2.25	28.2	0.688	1.96	0.11	0.36	10.6	< 0.1	< 10	< 0.01	< 0.5	< 0.1	3.4	< 0.05	1.06	-	2.33	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.338	< 1	< 3
	QUL-2X-40M	2014 09 02	9	20.5	< 30	2.27	28.8	0.698	1.97	0.11	0.34	10.3	< 0.1	< 10	< 0.01	< 0.5	< 0.1	3.36	< 0.05	0.97	-	2.33	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.351	< 1	< 3
	QA/QC RPD %		*	< 1	*	< 1	2	1	< 1	*	*	3	*	*	*	*	*	1	*	*	-	0	*	*	*	*	*	4	*	*
	QUL-2-0M	2014 09 03	9.5	16.7	< 30	1.92	0.3	0.469	0.814	< 0.1	< 0.1	5.19	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.55	< 0.05	< 0.5	-	0.297	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.136	< 1	< 3
	QUL-2-47M	2014 09 03	11.8	22.3	< 30	2.49	54.5	0.884	2.75	0.2	0.58	14.5	< 0.1	< 10	< 0.01	< 0.5	< 0.1	4.62	< 0.05	0.92	-	4.16	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.534	< 1	< 3
	QUL-2-0M	2014 09 06	10.1	16.6	< 30	1.92	0.407	0.467	0.812	< 0.1	0.11	5.2	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.58	< 0.05	0.7	-	0.274	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.129	< 1	< 3
	QUL-2-9M	2014 09 06	9.8	17	< 30	1.94	0.328	0.463	0.817	< 0.1	< 0.1	5.26	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.86	< 0.05	0.88	-	0.268	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
	QUL-2-49M	2014 09 06	23.7	22.5	< 30	2.46	52.5	1.08	3.44	0.27	0.7	15.2	< 0.1	< 10	< 0.01	< 0.5	< 0.1	5.74	< 0.05	1.15	-	5.73	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.607	< 1	< 3
	QUL-2-0M	2014 09 11	9.2	17.2	< 30	1.96	0.602	0.463	0.837	< 0.1	0.13	5.69	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.09	< 0.05	< 0.5	-	0.32	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.142	< 1	< 3
	QUL-2-22M	2014 09 11	7.3	18.8	< 30	2.12	7.41	0.544	1.21	< 0.1	0.17	7	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.93	< 0.05	< 0.5	-	0.941	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.21	< 1	< 3
	QUL-2-44M	2014 09 11	10.2	19.9	< 30	2.2	17	0.686	1.85	0.11	0.3	9.32	< 0.1	< 10	< 0.01	< 0.5	< 0.1	3.15	< 0.05	0.94	-	2.26	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.326	< 1	< 3
	QUL-2-0M	2014 09 13	8.9	17.6	< 30	1.94	0.245	0.452	0.808	< 0.1	0.1	4.79	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.63	-	0.244	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.146	< 1	< 3
	QUL-2-13M	2014 09 13	7.5	17.5	< 30	1.98	0.306	0.479	0.883	< 0.1	0.12	5.45	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1	< 0.05	0.65	-	0.318	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.145	< 1	< 3
	QUL-2-43M	2014 09 13	9.1	19.7	< 30	2.19	14.6	0.653	1.7	< 0.1	0.28	8.57	< 0.1	< 10	< 0.01	< 0.5	< 0.1	2.73	< 0.05	0.75	-	1.87	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.291	< 1	< 3
	QUL-2X-43M	2014 09 13	7.7	19.8	< 30	2.22	14.6	0.657	1.7	< 0.1	0.28	8.5	< 0.1	< 10	< 0.01	< 0.5	< 0.1	2.76	< 0.05	0.73	-	1.94	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.287	< 1	< 3
	QA/QC RPD %		*	< 1	*	1	0	< 1	0	*	*	< 1	*	*	*	*	*	1	*	*	-	4	*	*	*	*	*	1	*	*
	QUL-2-0M	2014 09 15	8.5	16.7	< 30	1.82	0.201	0.425	0.75	< 0.1	< 0.1	4.76	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.76	-	0.243	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.141	< 1	< 3
	QUL-2X-0M	2014 09 15	9.4	17.1	< 30	1.88	0.244	0.427	0.755	< 0.1	< 0.1	4.87	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.74	-	0.235	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.141	< 1	< 3
	QA/QC RPD %		*	2	*	3	19	0	1	*	*	2	*	*	*	*	*	*	*	*	-	3	*	*	*	*	*	0	*	*
	QUL-2-25M	2014 09 15	7	18.1	< 30	2.04	4.79	0.523	1.15	< 0.1	0.16	6.58	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.64	< 0.05	0.9	-	0.813	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.193	< 1	< 3
	QUL-2-38M	2014 09 15	11.2	21	< 30	2.35	29.3	0.855	2.65	0.18	0.5	12.5	< 0.1	< 10	< 0.01	< 0.5	< 0.1	4.78	< 0.05	1.04	-	4.18	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.439	< 1	< 3
	QUL-2-50M	2014 09 15	14.6	22.1	< 30	2.35	41.3	1.05	3.51	0.27	0.67	15.1	< 0.1	< 10	< 0.01	< 0.5	< 0.1	6.17	< 0.05	1.15	-	5.98	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.541	< 1	< 3
	QUL-2-0M	2014 09 17	8.8	17.6	< 30	1.85	0.135	0.462	0.8	< 0.1	< 0.1	4.65	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.76	-	0.234	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.149	< 1	< 3
	QUL-2-16M	2014 09 17	8	17.5	< 30	2.01	0.254	0.493	0.903	< 0.1	0.11	5.81	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.15	< 0.05	0.7	-	0.319	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.146	< 1	< 3
	QUL-2-47M	2014 09 17	14.4	21.6	< 30	2.38	37.2	1.04	3.33	0.24	0.62	14	< 0.1	< 10	< 0.01	< 0.5	< 0.1	5.58	< 0.05	1.06	-	5.11	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.523	< 1	< 3
	QUL-2-0M	2014 09 09	9.6	16.6	< 30	1.89	0.404	0.464	0.829	< 0.1	0.12	5.51	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.85	< 0.05	0.58	-	0.311	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.14	< 1	< 3
	QUL-2-13M	2014 09 09	7.9	17.7	< 30	1.99	1.79	0.485	0.955	< 0.1	0.14	5.75	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.07	< 0.05	0.53	-	0.461	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.16	< 1	< 3
	QUL-2-48M	2014 09 09	12.4	21.9	< 30	2.44	42.6	0.884	2.74	0.2	0.57	13.9	< 0.1	< 10	< 0.01	< 0.5	< 0.1	4.79	< 0.05	0.75	-	4.28	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.49	< 1	< 3
	QUL-2-0M	2014 09 19	8.3	17.3	< 30	1.85	0.197	0.423	0.753	< 0.1	< 0.1	4.74	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.72	-	0.234	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.147	< 1	< 3
	QUL-2-25M	2014 09 19	7.6	18	< 30	2	0.724	0.482	0.932	< 0.1	0.1	5.9	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.49	< 0.05	0.76	-	0.385	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.154	< 1	< 3
	QUL-2-48M	2014 09 19	11.5	21.4	< 30	2.33	30.1	0.875	2.74	0.19	0.49	12.5	< 0.1	< 10	< 0.01	< 0.5	< 0.1	4.77	< 0.05	0.95	-	4.02	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.459	< 1	< 3
	QUL-2-0M	2014 09 22	8.9	16.5	< 30	1.74	0.174	0.432	0.792	< 0.1	< 0.1	4.84	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.57	-	0.252	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.151	< 1	< 3
	QUL-2X-0M	2014 09 22	9.1	16.5	< 30	1.74	0.15	0.428	0.792	< 0.1	< 0.1	4.83	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.61	-	0.258	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.152	< 1	< 3
	QA/QC RPD %		*	0	*	0	*	< 1	0	*	*	< 1	*	*	*	*	*	*	*	*	-	2	*	*	*	*	*	< 1	*	*
	QUL-2-25M	2014 09 22	7.2	17.9	< 30	1.94	5.01	0.516	1.2	< 0.1	0.17	6.85	< 0.1	< 10	< 0.01	< 0.5	< 0.1	2.21	< 0.05	0.69	-	0.91	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.204	< 1	< 3
	QUL-2X-25M	2014 09 22	8.9	17.7	< 30	1.93	5.16	0.532	1.2	< 0.1	0.17	7.11	< 0.1	< 10	< 0.01	< 0.5	< 0.1	2.4	< 0.05	0.7	-	0.887	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.205	< 1	< 3
	QA/QC RPD %		*	1	*	< 1	3	3	0	*	*	4	*	*	*	*	*	*	*	*	-	3	*	*	*	*	*	< 1	*	*
	QUL-2-47M	2014 09 22	17.9	21.3	< 30	2.27	45.1	1.06	3.69	0.3	0.72	15.9	< 0.1	< 10	< 0.01	< 0.5	< 0.1	6.44	< 0.05	0.92	-	6.37	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.635	< 1	< 3

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Metals																														
			Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bismuth (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Magnesium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Potassium (µg/L)	Selenium (µg/L)	Silicon (µg/L)	Silver (µg/L)	Sodium (µg/L)	Thallium (µg/L)	Tin (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																																	
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.016-0.079[d]	n/a	1 (Cr(+6))	110	6.0-27.9[d]	1,000	27.3-297.3[d]	870	n/a	1001-3582[d]	Methyl mercury analysis in progress	2,000	25-150[d]	373,000-432,000	2	n/a	0.1-3.0[d]	n/a	0.3	n/a	2,000	300	6	33-172.5[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	2-11[d]	n/a	4.4-14.9[d]	14[i]	n/a	791.1-1819[d]		1,000	n/a	n/a	n/a	n/a	0.05-1.5[d]	n/a	n/a	n/a	n/a	n/a	n/a	7.5-147[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	n/a	2	n/a	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	n/a	50	1	n/a	n/a	n/a	10	n/a	n/a	200,000	n/a	n/a	n/a	20	n/a	5,000
QUL-2	QUL-2-0M	2014 08 27	13.2	< 0.1	0.11	5.21	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	< 0.5	< 30	< 0.05	0.63	1,930	0.891	< 0.01	0.291	< 0.5	454	< 0.5	1,510	< 0.01	845	< 0.01	< 0.1	< 10	0.147	< 1	< 3
	QUL-2-15M	2014 08 27	***138***	< 0.1	0.17	6.98	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	0.11	**3.18**	160	0.081	0.83	2,010	5.62	< 0.01	0.306	< 0.5	487	< 0.5	1,790	< 0.01	876	< 0.01	< 0.1	11	0.155	< 1	< 3
	QUL-2-42M	2014 08 27	***2,440***	0.17	1.11	63.9	< 0.1	< 0.5	< 10	0.016	21,200	**1.15**	0.87	**47.1**	***1,250***	0.826	1.85	2,930	***84.7***	< 0.01	3.52	1.24	1,870	< 0.5	7,590	0.017	2,950	0.011	< 0.1	92	0.506	4.4	4.6
	QUL-2-0M	2014 08 29	16.3	< 0.1	0.15	5.25	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.63	< 30	< 0.05	< 0.5	1,920	1.23	< 0.01	0.274	< 0.5	470	< 0.5	1,500	< 0.01	838	< 0.01	< 0.1	< 10	0.14	< 1	< 3
	QUL-2-37M	2014 08 29	***556***	< 0.1	0.35	16.5	< 0.1	< 0.5	< 10	0.012	19,000	< 0.5	0.23	**10.5**	***339***	0.187	0.78	2,310	22.1	< 0.01	0.871	0.61	742	< 0.5	3,010	< 0.01	1,300	< 0.01	< 0.1	23	0.224	1.2	< 3
	QUL-2-0M	2014 09 02	16.9	< 0.1	0.11	5.31	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	0.63	< 30	< 0.05	0.82	1,920	1.08	< 0.01	0.288	< 0.5	467	< 0.5	1,470	< 0.01	838	< 0.01	< 0.1	< 10	0.138	< 1	< 3
	QUL-2-14M	2014 09 02	***147***	< 0.1	0.16	7.82	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	0.11	**5.65**	125	0.082	0.85	1,940	5.86	< 0.01	0.317	< 0.5	488	< 0.5	1,780	< 0.01	857	< 0.01	< 0.1	10	0.148	< 1	< 3
	QUL-2-40M	2014 09 02	***1,420***	0.14	0.76	39.5	< 0.1	< 0.5	< 10	0.011	20,200	0.7	0.54	**29.3**	***791***	0.492	1.52	2,610	***56.5***	< 0.01	2.37	0.95	1,270	< 0.5	4,790	0.011	2,190	< 0.01	< 0.1	57	0.37	2.8	3.5
	QUL-2X-40M	2014 09 02	***1,410***	0.14	0.73	39.9	< 0.1	< 0.5	< 10	< 0.01	20,400	0.6	0.53	**28.2**	***762***	0.476	1.57	2,570	***54.2***	< 0.01	2.29	0.93	1,300	< 0.5	4,950	0.01	2,160	< 0.01	< 0.1	53	0.368	2.7	3.4
	QA/QC RPD %		< 1	*	4	1	*	*	*	*	< 1	*	2	4	4	3	*	2	4	*	3	*	2	*	3	*	1	*	*	7	< 1	*	*
	QUL-2-0M	2014 09 03	20.7	< 0.1	0.12	5.26	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.86	< 30	< 0.05	< 0.5	1,910	1.3	< 0.01	0.344	< 0.5	481	< 0.5	1,510	< 0.01	841	< 0.01	< 0.1	< 10	0.148	< 1	< 3
	QUL-2-47M	2014 09 03	***2,680***	0.24	1.29	68.5	< 0.1	< 0.5	< 10	0.019	22,000	**1.52**	1	**51.8**	***1,450***	0.939	2.15	3,070	***104***	< 0.01	4.25	1.51	2,020	< 0.5	7,840	0.018	3,100	0.01	< 0.1	102	0.602	5	6
	QUL-2-0M	2014 09 06	27.4	< 0.1	0.14	5.07	< 0.1	< 0.5	< 10	< 0.01	15,600	< 0.5	< 0.1	0.81	< 30	< 0.05	0.72	1,800	1.34	-	0.304	< 0.5	463	< 0.5	1,440	< 0.01	809	< 0.01	0.89	< 10	0.134	< 1	< 3
	QUL-2-9M	2014 09 06	31.3	< 0.1	0.12	5.41	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	1.65	< 30	< 0.05	0.79	1,860	2.3	-	0.302	< 0.5	462	< 0.5	1,530	< 0.01	828	< 0.01	< 0.1	< 10	0.149	< 1	< 3
	QUL-2-49M	2014 09 06	***3,020***	0.32	1.5	82.5	< 0.1	< 0.5	< 10	0.018	22,600	**1.33**	1.01	**66.9**	***1,550***	1.13	2.4	3,120	***101***	-	6.1	1.42	2,390	0.52	9,080	0.024	3,880	0.011	0.14	119	0.696	5.6	5.3
	QUL-2-0M	2014 09 11	48.4	< 0.1	0.14	6.07	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	1.91	50	< 0.05	< 0.5	1,980	2.46	-	0.343	< 0.5	478	< 0.5	1,600	< 0.01	843	< 0.01	< 0.1	< 10	0.15	< 1	< 3
	QUL-2-22M	2014 09 11	***288***	0.11	0.3	13.3	< 0.1	< 0.5	< 10	< 0.01	18,800	< 0.5	0.12	**9.15**	182	0.169	< 0.5	2,210	15.5	-	1.01	< 0.5	648	< 0.5	2,400	0.021	1,260	< 0.01	< 0.1	13	0.235	< 1	< 3
	QUL-2-44M	2014 09 11	***1,030***	0.13	0.52	32.8	< 0.1	< 0.5	< 10	< 0.01	19,700	< 0.5	0.33	**21.3**	***483***	0.38	1.22	2,380	31.1	-	2.07	0.7	1,150	< 0.5	4,190	< 0.01	1,860	< 0.01	< 0.1	37	0.327	1.8	< 3
	QUL-2-0M	2014 09 13	16.8	< 0.1	0.12	4.76	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	0.55	< 30	< 0.05	< 0.5	1,900	0.88	-	0.274	< 0.5	449	< 0.5	1,440	< 0.01	804	< 0.01	< 0.1	< 10	0.155	< 1	< 3
	QUL-2-13M	2014 09 13	61.5	< 0.1	0.13	6.08	< 0.1	< 0.5	< 10	< 0.01	17,400	< 0.5	< 0.1	1.8	48	< 0.05	0.51	2,000	2.69	-	0.35	< 0.5	488	< 0.5	1,660	< 0.01	885	< 0.01	< 0.1	< 10	0.154	< 1	< 3
	QUL-2-43M	2014 09 13	***895***	< 0.1	0.48	27.7	< 0.1	< 0.5	< 10	< 0.01	18,800	< 0.5	0.29	**17**	***422***	0.293	0.89	2,310	26.8	-	1.73	0.62	1,030	< 0.5	3,780	< 0.01	1,680	< 0.01	< 0.1	34	0.288	1.6	< 3
	QUL-2X-43M	2014 09 13	***813***	0.1	0.45	26.3	< 0.1	< 0.5	< 10	< 0.01	19,200	< 0.5	0.28	**17.1**	***387***	0.299	0.86	2,350	27.3	-	1.78	0.63	1,020	< 0.5	3,610	< 0.01	1,710	< 0.01	< 0.1	30	0.291	1.5	< 3
	QA/QC RPD %		10	*	*	5	*	*	*	*	2	*	*	*	9	*	*	2	*	-	3	*	< 1	*	5	*	2	*	*	*	1	*	*
	QUL-2-0M	2014 09 15	13.6	< 0.1	< 0.1	4.74	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	< 0.5	< 30	< 0.05	0.85	1,770	0.619	-	0.271	< 0.5	426	< 0.5	1,330	< 0.01	773	< 0.01	< 0.1	< 10	0.149	< 1	< 3
	QUL-2X-0M	2014 09 15	14.9	< 0.1	< 0.1	4.76	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	0.54	< 30	< 0.05	0.88	1,860	0.607	-	0.264	< 0.5	441	< 0.5	1,410	< 0.01	788	< 0.01	< 0.1	< 10	0.15	< 1	< 3
	QA/QC RPD %		9	*	*	0	*	*	*	*	2	*	*	*	*	*	*	5	*	-	3	*	3	*	6	*	2	*	*	*	1	*	*
	QUL-2-25M	2014 09 15	***334***	< 0.1	0.24	13.6	< 0.1	< 0.5	< 10	< 0.01	18,400	< 0.5	0.13	**7.34**	191	0.128	1.01	2,170	12	-	0.862	0.54	679	< 0.5	2,560	< 0.01	1,210	< 0.01	< 0.1	14	0.205	< 1	< 3
	QUL-2-38M	2014 09 15	***2,560***	0.24	1.15	73.4	< 0.1	< 0.5	< 10	0.016	21,100	**1.09**	0.81	**46.5**	***1,150***	0.775	2.01	2,870	***66.6***	-	4.61	1.17	2,150	< 0.5	8,360	0.017	3,240	< 0.01	< 0.1	95	0.51	4.3	4.6
	QUL-2-50M	2014 09 15	***3,430***	0.3	1.54	95.7	0.11	< 0.5	11	0.017	22,400	**1.37**	1.04	**65.5**	***1,460***	0.998	2.21	2,960	***91.2***	-	5.73	1.43	2,820	< 0.5	10,000	0.022	4,230	0.011	0.11	112	0.617	5.9	5.8
	QUL-2-0M	2014 09 17	16.4	< 0.1	< 0.1	4.82	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	0.73	< 30	< 0.05	0.79	1,780	0.677	-	0.233	< 0.5	459	< 0.5	1,370	< 0.01	808	< 0.01	< 0.1	< 10	0.149	< 1	< 3
	QUL-2-16M	2014 09 17	83.9	< 0.1	0.15	6.72	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	**2.82**	86	0.056	0.85	1,950	3.9	-	0.348	< 0.5	517	< 0.5	1,700	< 0.01	938	< 0.01	< 0.1	< 10	0.158	< 1	< 3
	QUL-2-47M	2014 09 17	***2,990***	0.28	1.35	85.6	< 0.1	< 0.5	11	0.017	22,300	**1.23**	0.9	**57**	***1,310***	1	2.25	3,060	***81***	-	5.64	1.32	2,560	< 0.5	9,260	0.02	4,010	0.012	< 0.1	104	0.631	5	5.5
	QUL-2-0M	2014 09 09	41.1	< 0.1	0.12	5.62	< 0.1	< 0.5	< 10	< 0.01	15,900	< 0.5	< 0.1	1.4	38	< 0.05	< 0.5	1,830	2.05	< 0.01	0.319	< 0.5	463	< 0.5	1,480	< 0.01	819	< 0.01	< 0.1	< 10	0.144	< 1	< 3
	QUL-2-13M	2014 09 09	***157***	< 0.1	0.19	8.81	< 0.1	< 0.5	< 10	< 0.01	17,500	< 0.5	< 0.1	**4.18**	94	0.079	0.51	2,010	7.72	< 0.01	0.585	< 0.5	546	< 0.5	1,920	< 0.01	1,020	< 0.01	< 0.1	< 10	0.187	< 1	< 3
	QUL-2-48M	2014 09 09	***2,510***	0.24	1.2	68	< 0.1	< 0.5	11	0.014	21,400	**1.18**	0.84	**47.6**	***1,240***	0.846	1.49	2,880	***87.8***	< 0.01	4.34	1.24	2,040	< 0.5	7,530	0.02	3,100	< 0.01	< 0.1	92	0.552	4.5	4.9
	QUL-2-0M	2014 09 19	< 18	< 0.1	< 0.1	4.74	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	0.52	< 30	< 0.05	0.72	1,850	0.602	-	0.268	< 0.5	429	< 0.5	1,370	< 0.01	788	< 0.01	< 0.1	< 10	0.15	< 1	< 3
	QUL-2-25M	2014 09 19	97.5	< 0.1	0.15	7.19	< 0.1	< 0.5	< 10	< 0.01	17,700	< 0.5	< 0.1	**2.84**	65	< 0.05	0.77	2,000	4.22	-	0.438	< 0.5	512	< 0.5	1,790	< 0.01	987	< 0.01	< 0.1	< 10	0.173	< 1	< 3
	QUL-2-48M	2014 09 19	***2,030***	0.21	0.98	57.8	< 0.1	< 0.5	< 10	0.011	20,300	0.83	0.65	**40.1**	***926***	0.676	1.72	2,590	***61.4***	-	4.15	0.97	1,740	< 0.5	6,380	0.013	3,020	< 0.01	< 0.1	72	0.487	3.6	3.8
	QUL-2-0M	2014 09 22	14.9	< 0.1	0.11	4.89	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	0.55	< 30	< 0.05	0.69	1,790	0.808	-	0.294	< 0.5	443	< 0.5	1,390	< 0.01	835	< 0.01	< 0.1	< 10	0.156	< 1	< 3
	QUL-2X-0M	2014 09 22	16.7	< 0.1	0.11	5.05	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	0.72	< 30	< 0.05	0.69	1,810	0.908	-	0.307	< 0.5	444	< 0.5	1,410	< 0.01	834	< 0.01	< 0.1	< 10	0.156	< 1	< 3
	QA/QC RPD %		*	*	*	3	*	*	*	*	< 1	*	*	*	*	*	*	1	*	-	4	*	< 1	*	1	*	< 1	*	*	*	0	*	*
	QUL-2-25M	2014 09 22	***288***	< 0.1	0.23	12.6	< 0.1	< 0.5	< 10	< 0.01	17,400	< 0.5	0.11	**6.7**	162	0.126	0.87	1,950	11.5	-	0.924	< 0.5	628	< 0.5	2,250	< 0.01	1,240	< 0.01	< 0.1	13	0.22	< 1	< 3
	QUL-2X-25M	2014 09 22	***307***	< 0.1	0.26	13.2	< 0.1	< 0.5	< 10	< 0.01	17,700	< 0.5	0.11	**6.76**	174	0.125	0.88	1,990	11.6	-	0.935	< 0.5	641	< 0.5	2,300	< 0.01	1,250	< 0.01	< 0.1	13	0.225	< 1	< 3
	QA/QC RPD %		6	*	*	5	*	*	*	*	2	*	*	*	7	*	*	2	*	-	1	*	2	*	2	*	< 1	*	*	*	2	*	*
	QUL-2-47M	2014 09 22	***3,000***	0.32	1.5	87.6	< 0.1	< 0.5	< 10	0.016	22,100	**1.28**	0.95	**59.7**	***1,450***	1.08	2.09	2,880	***90.1***	-	6.56	1.23	2,410	< 0.5	8,260	0.019	4,180	0.011	< 0.1	106	0.713	5.3	5.1

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

			Physical Parameters									Total Inorganics													
Sample Location	Sample ID	Sample Date (yyyy mm dd)	Hardness (mg/L)	pH (field) (pH)	pH (pH)	Temperature (field) (C)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)	Total Kjeldahl Nitrogen (N) (mg/L)	Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Bromide (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus[g] (mg/L)
BC Guidelines																									
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	6.5-9.0		Change of 8	n/a	n/a	Change of 25	n/a	n/a	n/a	5,680-18,400[d]	32,800	60-600[d]	32,800[f]	600	988.2-1742[d]	n/a	n/a	n/a	n/a	0.005-0.015
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	+/-1 Degree change from ambient	Change of 2	n/a	n/a	Change of 5	+20% of median background	n/a	n/a	1,090-1,770[d]	3,000	20-200[d]	3,000[f]	150	n/a	128-429[d]	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	6.5-8.5	n/a[i]	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,000	500	n/a	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	6.5-8.5	n/a[i]	n/a[i]	n/a	500	n/a	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a	n/a
QUL-3	QUL-3	2014 08 06	47.6	8.08	7.96	20.9	0.34	93.8	57	< 3	2.32	-	0.17	< 5	46.8	< 1	-	< 0.5	33	5.57	44.1	-	< 0.001	< 0.002[a]
	QUL-3	2014 08 09	48.3	7.94	7.89	18.7	0.4	95.8	67	< 3	2.27	-	0.13	< 5	55.4	< 1	-	< 0.5	34	5.52	42.8	-	< 0.001	< 0.002[a]
	QUL-3	2014 08 10	48.2	7.94	7.94	21.7	0.32	95.8	68	< 3	2.28	-	0.121	< 5	53.7	1.1	-	< 0.5	36	5.55	44.4	-	< 0.001	< 0.002[a]
	QUL-3X	2014 08 10	48.7	7.94	7.94	21.7	0.37	96	60	< 3	2.19	-	0.12	< 5	54.4	< 1	-	< 0.5	35	5.56	44.8	-	< 0.001	< 0.002[a]
	QA/QC RPD %		1	0	0	0	*	< 1	13	*	*	-	*	*	1	*	-	*	*	< 1	< 1	-	*	*
	QUL-3	2014 08 11	48	7.80	7.91	20.5	0.54	97.2	66	< 3	2.15	-	0.136	< 5	51.1	< 1	-	< 0.5	33	5.61	43.3	-	< 0.001	**0.0033**
	QUL-3	2014 08 12	47.4	8.02	7.97	21.0	0.28	95.3	67	< 3	1.9	-	0.128	< 5	45.7	< 1	-	< 0.5	36	5.65	44	-	0.0012	< 0.002[a]
	QUL-3	2014 08 13	47.2	-	7.99	20.6	0.25	97.8	60	< 3	2.18	-	0.132	< 5	44.1	< 1	-	< 0.5	33	5.63	44.7	-	< 0.001	< 0.002[a]
	QUL-3	2014 08 14	49	8.05	7.96	21.6	0.21	98.5	68	< 3	2	-	0.114	< 5	48.8	< 1	-	< 0.5	35	5.66	44.1	-	< 0.001	< 0.002[a]
	QUL-3	2014 08 15	48.6	8.07	7.98	21.2	0.32	96.9	62	< 3	1.8	-	0.105	< 5	45.4	< 1	-	< 0.5	35	5.66	44.2	-	< 0.001	**0.0027**
	QUL-3	2014 08 16	47.9	8.08	7.96	20.1	0.33	95.3	65	< 3	2.18	-	0.109	< 5	43.4	< 1	-	< 0.5	36	5.62	51.4	-	< 0.001	< 0.002[a]
	QUL-3X	2014 08 16	48.3	8.08	7.98	20.1	0.41	95.1	59	< 3	1.92	-	0.117	< 5	43.8	< 1	-	< 0.5	37	5.63	43.8	-	< 0.001	< 0.002[a]
	QA/QC RPD %		< 1	0	< 1	0	*	< 1	10	*	*	-	*	*	< 1	*	-	*	*	< 1	16	-	*	*
	QUL-3	2014 08 17	48.3	7.94	7.98	20.8	0.3	96.7	60	< 3	2.36	-	0.125	< 5	42.2	< 1	-	< 0.5	34	5.64	43.9	-	< 0.001	< 0.002[a]
	QUL-3	2014 08 19	48.7	7.62	7.94	19.7	0.28	96.6	75	< 3	1.94	-	0.115	< 5	44.6	< 1	-	< 0.5	32	5.55	44	-	< 0.001	< 0.002[a]
	QUL-3	2014 08 22	49.5	-	7.94	19.1	0.34	96.6	71	< 3	2.06	-	0.136	< 5	46.2	< 1	-	< 0.5	34	5.65	44.1	-	< 0.001	< 0.002[a]
	QUL-3-37M	2014 08 22	69.7	-	8.02	19.0	75.1	150	115	9.5	1.93	-	0.371	45.3	225	1.3	-	0.56	66	16.5	58.9	-	0.0069	0.0084
	QUL-3-0M	2014 09 04	49.2	7.99	7.92	17.644	0.47	99.8	62	< 3	2.1	-	0.109	5.5	41.4	< 1	-	< 0.5	33	5.72	46.1	-	< 0.001	< 0.002[a]
	QUL-3-10M	2014 09 04	50	7.41	7.94	12.82	1.12	103	63	< 3	2	-	0.185	7.6	81.6	< 1	-	< 0.5	34	5.89	47.1	-	< 0.001	< 0.002[a]
	QUL-3-33M	2014 09 04	65.4	7.62	7.99	6.33	45.3	148	98	7.9	2.05	-	0.329	47.7	199	1	-	< 0.5	66	15.7	58	-	0.0015	**0.0037**
QUL-4	QUL-4	2014 08 06	48.6	8.03	7.95	21.4	0.81	94.9	61	< 3	2.17	-	0.146	< 5	43.4	< 1	-	< 0.5	33	5.62	43.9	-	< 0.001	< 0.002[a]
QUL-5	QUL-5	2014 08 06	48.1	8.01	7.94	21.1	0.76	95.9	57	< 3	2.16	-	0.237	< 5	43.8	< 1	-	< 0.5	33	5.66	43.6	-	< 0.001	< 0.002[a]
QUL-6	QUL-6	2014 08 06	48	8.05	7.96	21.3	0.83	95.8	57	< 3	2.23	-	0.168	< 5	44	< 1	-	< 0.5	33	5.76	44	-	< 0.001	< 0.002[a]
QUL-7	QUL-7	2014 08 06	48	7.91	7.92	21.2	0.83	95	59	< 3	2.19	-	0.178	< 5	40.8	< 1	-	< 0.5	34	5.62	44.1	-	< 0.001	< 0.002[a]
QUL-8	QUL-8	2014 08 06	47.8	7.96	7.9	21.6	1.4	95.8	60	< 3	2.21	-	0.149	< 5	36.4	1.8	-	< 0.5	34	5.67	44.5	-	< 0.001	< 0.002[a]
QUL-9	QUL-9	2014 08 06	48.3	8.01	7.93	21.5	1.14	94.6	58	< 3	2.15	-	0.15	< 5	42.4	1.1	-	< 0.5	34	5.62	44.2	-	< 0.001	< 0.002[a]
	QUL-9	2014 08 09	49	7.84	7.84	16.8	0.78	96.7	70	< 3	2.42	-	0.141	< 5	57.6	< 1	-	< 0.5	35	5.61	43.5	-	< 0.001	< 0.002[a]
	QUL-9	2014 08 10	49.2	7.81	7.94	20.7	0.56	96.5	68	< 3	2.33	-	0.13	< 5	54.4	< 1	-	< 0.5	35	5.62	45.4	-	< 0.001	< 0.002[a]
	QUL-9	2014 08 12	47.1	7.95	7.96	20.6	0.32	96	64	< 3	1.99	-	0.151	< 5	49.2	< 1	-	< 0.5	36	5.66	44.5	-	0.0011	< 0.002[a]
	QUL-9	2014 08 13	47.7	-	7.88	20.5	0.65	98.9	61	< 3	2.69	-	0.115	< 5	12.8	1.1	-	< 0.5	34	5.6	45.1	-	< 0.001	< 0.002[a]
	QUL-9X	2014 08 13	48.1	-	7.92	-	0.54	98.7	60	< 3	2.68	-	0.125	< 5	11.9	1.2	-	< 0.5	33	5.59	44.9	-	< 0.001	< 0.002[a]
	QA/QC RPD %		< 1	-	< 1	*	18	< 1	2	*	< 1	-	*	*	*	*	-	*	*	< 1	< 1	-	*	*
	QUL-9	2014 08 14	49	8.02	7.95	20.4	0.25	97.7	67	< 3	2.15	-	0.128	< 5	41.9	< 1	-	< 0.5	36	5.65	43.8	-	< 0.001	**0.0026**
	QUL-9	2014 08 15	49.2	-	7.92	-	0.74	96.6	66	< 3	1.97	-	0.102	< 5	27.6	1.3	-	< 0.5	36	5.64	43.6	-	0.0012	**0.0023**
	QUL-9	2014 08 16	48.3	8.07	7.96	20.4	0.31	95.6	60	< 3	2	-	0.116	< 5	42.9	< 1	-	< 0.5	36	5.64	43.4	-	< 0.001	< 0.002[a]
	QUL-9	2014 08 17	48.4	7.82	7.94	21.2	0.35	96.7	62	< 3	2.5	-	0.136	< 5	36.7	< 1	-	< 0.5	34	5.63	43.8	-	< 0.001	< 0.002[a]
	QUL-9	2014 08 19	47.7	7.84	7.92	20.0	0.24	96.7	68	< 3	2.17	-	0.111	< 5	42.6	< 1	-	< 0.5	32	5.54	44.2	-	< 0.001	< 0.002[a]
	QUL-9X	2014 08 19	49	7.84	7.85	20.0	0.24	95.8	65	< 3	2.03	-	0.113	< 5	42	< 1	-	< 0.5	37	5.55	43.7	-	0.0026	< 0.002[a]
	QA/QC RPD %		3	0	< 1	0	*	< 1	5	*	*	-	*	*	1	*	-	*	*	< 1	1	-	*	*
	QUL9	2014 08 22	50.3	7.74	7.88	19.8	1.73	98.3	69	< 3	2.3	-	0.136	< 5	42.4	< 1	-	< 0.5	34	5.76	44.9	-	< 0.001	**0.0025**
QUL-10	QUL-10	2014 08 06	47.7	8.08	7.95	21.4	0.41	94.9	55	< 3	2.1	-	0.195	< 5	45	< 1	-	< 0.5	33	5.58	44.2	-	< 0.001	< 0.002[a]
QUL-11	QUL-11-0M	2014 08 07	49.2	-	7.79	-	2.43	95.4	74	3.6	2.5	-	0.122	< 5	35	< 1	-	< 0.5	36	5.79	44.7	-	< 0.001	< 0.002[a]
	QUL-11-5M	2014 08 07	48.1	-	7.93	-	0.85	93	71	< 3	2.08	-	0.135	< 5	66.7	< 1	-	< 0.5	34	5.52	44.4	-	< 0.001	< 0.002[a]
	QUL-11-5MX	2014 08 07	48.5	-	7.95	-	0.58	93.4	73	< 3	2.12	-	0.137	< 5	68	< 1	-	< 0.5	34	5.51	44.7	-	< 0.001	< 0.002[a]
	QA/QC RPD %		< 1	-	< 1	-	38	< 1	3	*	*	-	*	*	2	*	-	*	*	< 1	< 1	-	*	*
	QUL-11-10M	2014 08 07	50.8	-	7.9	-	1.3	98.9	76	< 3	2.02	-	0.171	< 5	112	< 1	-	< 0.5	35	5.76	46.7	-	< 0.001	< 0.002[a]
	QUL-11-15M	2014 08 07	53.4	-	7.91	-	0.59	103	84	< 3	1.85	-	0.181	< 5	136	< 1	-	< 0.5	36	6.05	48.8	-	< 0.001	< 0.002[a]
	QUL-11-20M	2014 08 07	53.7	-	7.91	-	0.9	105	75	< 3	1.78	-	0.186	< 5	141	< 1	-	< 0.5	36	6.08	49.1	-	< 0.001	< 0.002[a]
	QUL-11-24M	2014 08 07	53.8	-	7.91	-	0.98	105	76	< 3	1.84	-	0.191	< 5	140	< 1	-	< 0.5	36	6.14	49.5	-	< 0.001	< 0.002[a]

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																												
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																															
BCWQG Aquatic Life (AW)[b,c]			30-100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50-1000[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
QUL-3	QUL-3	2014 08 06	10.6	15.9	< 30	1.9	0.608	0.5	1.1	< 0.1	< 0.1	5.36	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.56	< 0.05	0.54	< 0.05	0.421	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.124	< 1	< 3
	QUL-3	2014 08 09	10.6	16.2	< 30	1.88	0.599	0.473	0.831	< 0.1	< 0.1	5.38	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.51	< 0.05	0.67	-	0.339	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.147	< 1	< 3
	QUL-3	2014 08 10	10.9	16.2	< 30	1.86	0.639	0.483	0.85	< 0.1	0.11	5.24	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.51	< 0.05	< 0.5	-	0.291	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.129	< 1	< 3
	QUL-3X	2014 08 10	11	16.4	< 30	1.88	0.667	0.478	0.847	< 0.1	0.11	5.14	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.5	< 0.05	< 0.5	-	0.291	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
	QA/QC RPD %		*	1	*	1	4	1	< 1	*	*	2	*	*	*	*	*	*	*	*	-	0	*	*	*	*	*	6	*	*
	QUL-3	2014 08 11	11.6	16.1	< 30	1.88	0.734	0.496	0.857	< 0.1	< 0.1	5.39	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	1.02	-	0.293	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.121	< 1	< 3
	QUL-3	2014 08 12	10.6	15.9	< 30	1.9	0.368	0.477	0.878	< 0.1	0.12	5.58	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.68	-	0.341	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.132	< 1	< 3
	QUL-3	2014 08 13	10	15.8	< 30	1.88	0.18	0.458	0.826	< 0.1	0.11	5.26	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	1.04	-	0.324	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.131	< 1	< 3
	QUL-3	2014 08 14	11	16.5	< 30	1.88	0.516	0.457	0.798	< 0.1	0.1	5.06	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.64	-	0.274	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
	QUL-3	2014 08 15	10.2	16.4	< 30	1.87	0.482	0.462	0.8	< 0.1	< 0.1	5.19	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.301	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.138	< 1	< 3
	QUL-3	2014 08 16	10.7	16.1	< 30	1.85	0.466	0.475	0.815	< 0.1	0.11	5.4	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.79	-	0.298	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.132	< 1	< 3
	QUL-3X	2014 08 16	10.8	16.2	< 30	1.88	0.509	0.475	0.821	< 0.1	0.12	5.47	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.51	< 0.05	0.7	-	0.299	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
	QA/QC RPD %		*	< 1	*	2	9	0	< 1	*	*	1	*	*	*	*	*	*	*	*	-	< 1	*	*	*	*	*	4	*	*
	QUL-3	2014 08 17	10.6	16.2	< 30	1.91	0.558	0.468	0.825	< 0.1	< 0.1	5.27	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.66	-	0.293	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.139	< 1	< 3
	QUL-3	2014 08 19	10.7	16.4	< 30	1.89	0.308	0.472	0.833	< 0.1	< 0.1	5.08	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.74	-	0.275	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
	QUL-3	2014 08 22	10.4	16.6	< 30	1.93	0.6	0.467	0.822	< 0.1	0.1	5.3	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.66	< 0.05	0.74	-	0.28	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.136	< 1	< 3
	QUL-3-37M	2014 08 22	14.3	23.6	< 30	2.62	81.1	0.971	3.25	0.24	0.7	17.8	< 0.1	< 10	< 0.01	< 0.5	< 0.1	4.9	< 0.05	1.05	-	5.04	< 0.5	0.55	< 0.01	< 0.01	< 10	0.607	< 1	< 3
	QUL-3-0M	2014 09 04	9.6	16.6	< 30	1.9	0.403	0.449	0.806	< 0.1	0.1	5.36	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.66	< 0.05	0.71	-	0.3	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
	QUL-3-10M	2014 09 04	9.1	16.9	< 30	1.9	1.13	0.444	0.814	< 0.1	< 0.1	5.89	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.5	< 0.05	0.83	-	0.328	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.143	< 1	< 3
	QUL-3-33M	2014 09 04	13.2	22.2	< 30	2.43	55.7	0.951	3.29	0.24	0.65	15.4	< 0.1	< 10	< 0.01	< 0.5	< 0.1	5.23	< 0.05	1.19	-	5.26	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.577	< 1	< 3
QUL-4	QUL-4	2014 08 06	10.3	16.3	< 30	1.94	1.43	0.504	1.09	< 0.1	0.11	5.52	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.66	< 0.05	< 0.5	< 0.05	0.494	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.128	< 1	< 3
QUL-5	QUL-5	2014 08 06	11.6	16.1	< 30	1.92	1.5	0.532	1.09	< 0.1	0.1	5.65	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.95	< 0.05	< 0.5	< 0.05	0.365	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.129	< 1	< 3
QUL-6	QUL-6	2014 08 06	11.3	16.1	< 30	1.91	1.31	0.517	1.06	< 0.1	0.1	5.52	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.87	< 0.05	< 0.5	< 0.05	0.407	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.127	< 1	< 3
QUL-7	QUL-7	2014 08 06	10.9	16.1	< 30	1.92	1.79	0.508	1.09	< 0.1	0.11	5.6	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.67	< 0.05	0.55	< 0.05	0.369	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.124	< 1	< 3
QUL-8	QUL-8	2014 08 06	11.3	16	< 30	1.92	2.29	0.524	1.1	< 0.1	0.11	5.84	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.81	< 0.05	< 0.5	< 0.05	0.358	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.125	< 1	< 3
QUL-9	QUL-9	2014 08 06	11.8	16.2	< 30	1.92	2.43	0.525	1.07	< 0.1	0.12	5.71	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.84	< 0.05	0.52	< 0.05	0.347	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.126	< 1	< 3
	QUL-9	2014 08 09	10.1	16.5	< 30	1.89	1.2	0.478	0.838	< 0.1	< 0.1	5.43	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.52	< 0.05	0.59	-	0.302	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.132	< 1	< 3
	QUL-9	2014 08 10	10.8	16.6	< 30	1.89	1.53	0.491	0.835	< 0.1	0.11	5.44	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.54	< 0.05	0.52	-	0.293	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
	QUL-9	2014 08 12	10.5	15.8	< 30	1.85	0.408	0.488	0.83	< 0.1	< 0.1	5.29	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.57	< 0.05	0.73	-	0.308	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.129	< 1	< 3
	QUL-9	2014 08 13	9.4	16	< 30	1.88	3.09	0.544	0.848	< 0.1	0.12	6.14	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.55	< 0.05	1.06	-	0.313	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.122	< 1	< 3
	QUL-9X	2014 08 13	9.5	16.1	< 30	1.91	3.89	0.57	0.864	< 0.1	0.1	6.34	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.67	< 0.05	1.07	-	0.314	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.123	< 1	< 3
	QA/QC RPD %		*	< 1	*	2	23	5	2	*	*	3	*	*	*	*	*	*	*	*	-	< 1	*	*	*	*	*	< 1	*	*
	QUL-9	2014 08 14	10.4	16.5	< 30	1.91	1.18	0.471	0.821	< 0.1	0.11	5.45	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.72	-	0.301	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.128	< 1	< 3
	QUL-9	2014 08 15	10.2	16.6	< 30	1.9	2.82	0.511	0.85	< 0.1	0.12	6.12	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.58	< 0.05	< 0.5	-	0.322	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.13	< 1	< 3
	QUL-9	2014 08 16	10.1	16.2	< 30	1.88	0.489	0.464	0.799	< 0.1	0.11	5.4	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.69	-	0.289	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.131	< 1	< 3
	QUL-9	2014 08 17	9.8	16.2	< 30	1.91	2.31	0.474	0.8	< 0.1	0.13	5.47	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.59	-	0.287	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.131	< 1	< 3
	QUL-9	2014 08 19	10.2	16	< 30	1.87	0.465	0.465	0.815	< 0.1	0.11	5.19	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.65	-	0.288	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.13	< 1	< 3
	QUL-9X	2014 08 19	9.9	16.5	< 30	1.9	0.432	0.442	0.766	< 0.1	< 0.1	4.88	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.73	-	0.288	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.135	< 1	< 3
	QA/QC RPD %		*	3	*	2	7	5	6	*	*	6	*	*	*	*	*	*	*	*	-	0	*	*	*	*	*	4	*	*
	QUL9	2014 08 22	11	16.9	< 30	1.94	0.958	0.481	0.843	< 0.1	0.1	5.43	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.65	< 0.05	0.87	-	0.28	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
QUL-10	QUL-10	2014 08 06	11.4	16	< 30	1.91	0.813	0.506	1.06	< 0.1	0.1	5.19	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.69	< 0.05	< 0.5	< 0.05	0.328	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.129	< 1	< 3
QUL-11	QUL-11-0M	2014 08 07	9.8	16.5	< 30	1.95	4.34	0.558	0.975	< 0.1	0.13	6.44	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.88	< 0.05	< 0.5	-	0.412	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.131	< 1	< 3
	QUL-11-5M	2014 08 07	9.6	16.1	< 30	1.89	0.239	0.455	0.956	< 0.1	< 0.1	5.24	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.51	< 0.05	< 0.5	-	0.291	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
	QUL-11-5MX	2014 08 07	9.6	16.3	< 30	1.9	0.279	0.455	0.913	< 0.1	0.11	5.29	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.76	< 0.05	< 0.5	-	0.28	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
	QA/QC RPD %		*	1	*	< 1	*	0	5	*	*	< 1	*	*	*	*	*	*	*	*	-	4	*	*	*	*	*	3	*	*
	QUL-11-10M	2014 08 07	7.4	17.1	< 30	1.99	0.602	0.47	0.989	< 0.1	0.12	5.39	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.57	< 0.05	0.56	-	0.276	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.144	< 1	< 3
	QUL-11-15M	2014 08 07	6.3	18	< 30	2.07	0.214	0.467	0.988	< 0.1	< 0.1	5.08	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.66	-	0.256	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.151	< 1	< 3
	QUL-11-20M	2014 08 07	5.2	18.1	< 30	2.08	0.71	0.46	0.964	< 0.1	< 0.1	5.17	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.79	-	0.264	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.153	< 1	< 3
	QUL-11-24M	2014 08 07	5.1	18.1	< 30	2.08	1.18	0.468	1.03	< 0.1	< 0.1	5.31	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.5	< 0.05	0.97	-	0.283	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.156	< 1	< 3

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Metals																														
			Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bismuth (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Magnesium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Potassium (µg/L)	Selenium (µg/L)	Silicon (µg/L)	Silver (µg/L)	Sodium (µg/L)	Thallium (µg/L)	Tin (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																																	
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.016-0.079[d]	n/a	1 (Cr(+6))	110	6.0-27.9[d]	1,000	27.3-297.3[d]	870	n/a	1001-3582[d]	Methyl mercury analysis in progress	2,000	25-150[d]	373,000-432,000	2	n/a	0.1-3.0[d]	n/a	0.3	n/a	2,000	300	6	33-172.5[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	2-11[d]	n/a	4.4-14.9[d]	14[i]	n/a	791.1-1819[d]	1	1,000	n/a	n/a	n/a	n/a	0.05-1.5[d]	n/a	n/a	n/a	n/a	n/a	n/a	7.5-147[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	n/a	2	n/a	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	n/a	50	1	n/a	n/a	n/a	10	n/a	n/a	200,000	n/a	n/a	n/a	20	n/a	5,000
QUL-3	QUL-3	2014 08 06	18.9	< 0.1	0.12	5.47	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	< 0.1	0.7	< 30	< 0.05	< 0.5	1,940	1.47	< 0.05	0.327	< 0.5	489	< 0.5	1,620	< 0.01	835	< 0.01	< 0.1	< 10	0.13	< 1	< 3
	QUL-3	2014 08 09	23.7	< 0.1	0.13	5.53	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	0.74	< 30	< 0.05	0.69	1,910	1.45	< 0.05	0.322	< 0.5	485	< 0.5	1,590	< 0.01	853	< 0.01	< 0.1	< 10	0.14	< 1	< 3
	QUL-3	2014 08 10	16.3	< 0.1	0.13	5.52	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	0.58	< 30	< 0.05	< 0.5	1,910	1.18	< 0.05	0.303	< 0.5	484	< 0.5	1,600	< 0.01	873	< 0.01	< 0.1	< 10	0.13	< 1	< 3
	QUL-3X	2014 08 10	14.4	< 0.1	0.13	5.24	< 0.1	< 0.5	< 10	< 0.01	15,600	< 0.5	< 0.1	0.56	< 30	< 0.05	< 0.5	1,830	1.08	< 0.05	0.304	< 0.5	474	< 0.5	1,530	< 0.01	856	< 0.01	< 0.1	< 10	0.13	< 1	< 3
	QA/QC RPD %		*	*	*	5	*	*	*	*	4	*	*	*	*	*	*	4	*	*	< 1	*	2	*	4	*	2	*	*	*	0	*	*
	QUL-3	2014 08 11	17.1	< 0.1	0.13	5.39	< 0.1	< 0.5	< 10	< 0.01	15,700	< 0.5	< 0.1	0.57	< 30	< 0.05	0.82	1,870	1.41	< 0.05	0.322	< 0.5	484	< 0.5	1,540	< 0.01	839	< 0.01	< 0.1	< 10	0.129	< 1	< 3
	QUL-3	2014 08 12	14.4	< 0.1	0.13	5.57	< 0.1	< 0.5	< 10	< 0.01	16,100	< 0.5	< 0.1	0.57	< 30	< 0.05	0.79	1,920	1.53	< 0.05	0.352	< 0.5	475	< 0.5	1,640	< 0.01	878	< 0.01	< 0.1	< 10	0.137	< 1	< 3
	QUL-3	2014 08 13	13.6	< 0.1	0.14	5.63	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	0.53	< 30	< 0.05	0.89	1,950	1.31	< 0.05	0.341	< 0.5	478	< 0.5	1,620	< 0.01	867	< 0.01	< 0.1	< 10	0.14	< 1	< 3
	QUL-3	2014 08 14	14.4	< 0.1	0.11	5.24	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.57	< 30	< 0.05	0.68	1,870	1.02	-	0.304	< 0.5	481	< 0.5	1,540	< 0.01	855	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QUL-3	2014 08 15	15	< 0.1	0.12	5.14	< 0.1	< 0.5	< 10	< 0.01	16,400	0.74	< 0.1	0.59	< 30	< 0.05	< 0.5	1,880	1.1	-	0.99	< 0.5	461	< 0.5	1,580	< 0.01	813	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QUL-3	2014 08 16	16	< 0.1	0.14	5.42	< 0.1	< 0.5	< 10	**0.018**	16,200	< 0.5	< 0.1	0.6	< 30	< 0.05	< 0.5	1,870	1.33	-	0.294	< 0.5	468	< 0.5	1,540	< 0.01	815	0.013	< 0.1	< 10	0.126	< 1	< 3
	QUL-3X	2014 08 16	18.2	< 0.1	0.12	5.51	< 0.1	< 0.5	< 10	< 0.01	15,900	< 0.5	< 0.1	0.8	< 30	< 0.05	< 0.5	1,860	1.44	-	0.321	< 0.5	486	< 0.5	1,530	< 0.01	842	< 0.01	< 0.1	< 10	0.139	< 1	< 3
	QA/QC RPD %		13	*	*	2	*	*	*	*	2	*	*	*	*	*	*	< 1	*	-	9	*	4	*	< 1	*	3	*	*	*	10	*	*
	QUL-3	2014 08 17	20.3	< 0.1	0.12	5.36	< 0.1	< 0.5	< 10	< 0.01	15,900	< 0.5	< 0.1	< 1	< 30	< 0.05	0.78	1,880	1.43	-	0.305	< 0.5	487	< 0.5	1,530	< 0.01	858	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QUL-3	2014 08 19	15.2	< 0.1	0.13	5.46	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	0.55	< 30	< 0.05	0.92	1,940	1.2	-	0.309	< 0.5	495	< 0.5	1,570	< 0.01	881	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QUL-3	2014 08 22	28.2	< 0.1	0.11	5.52	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	1.02	< 30	< 0.05	0.72	1,940	1.56	-	0.324	< 0.5	468	< 0.5	1,570	< 0.01	838	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QUL-3-37M	2014 08 22	***3,830***	0.3	1.84	94.5	< 0.1	< 0.5	< 10	0.021	24,100	**1.89**	1.54	**76.8**	***2,230***	1.34	2.79	3,670	***151***	-	5.35	2.01	2,550	0.64	10,100	0.032	3,840	0.014	0.12	156	0.726	**7.4**	**7.6**
	QUL-3-0M	2014 09 04	25.9	< 0.1	0.13	5.7	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	1.14	< 30	< 0.05	0.9	1,870	1.49	-	0.306	< 0.5	480	< 0.5	1,520	< 0.01	855	< 0.01	< 0.1	< 10	0.136	< 1	< 3
	QUL-3-10M	2014 09 04	62.9	< 0.1	0.17	6.91	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	**3.34**	55	< 0.05	0.75	1,970	3.66	-	0.323	< 0.5	475	< 0.5	1,700	< 0.01	859	< 0.01	< 0.1	< 10	0.149	< 1	< 3
	QUL-3-33M	2014 09 04	***3,000***	0.3	1.49	85.2	< 0.1	< 0.5	< 10	0.021	22,800	**1.3**	1.05	**59.3**	***1,450***	0.983	2.17	3,090	***108***	-	5.56	1.47	2,360	0.51	9,210	0.023	3,900	0.012	< 0.1	109	0.635	5.3	4.6
QUL-4	QUL-4	2014 08 06	47.2	< 0.1	0.13	6.03	< 0.1	< 0.5	< 10	< 0.01	16,100	< 0.5	< 0.1	1.25	45	< 0.05	< 0.5	1,960	3.05	< 0.05	0.332	< 0.5	503	< 0.5	1,690	< 0.01	839	< 0.01	< 0.1	< 10	0.133	< 1	< 3
QUL-5	QUL-5	2014 08 06	49.4	< 0.1	0.11	5.96	< 0.1	< 0.5	< 10	< 0.01	15,700	< 0.5	< 0.1	1.5	44	< 0.05	< 0.5	1,920	2.92	< 0.05	0.332	< 0.5	492	< 0.5	1,660	< 0.01	840	< 0.01	< 0.1	< 10	0.129	< 1	< 3
QUL-6	QUL-6	2014 08 06	53.9	< 0.1	0.13	6.22	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	1.63	46	< 0.05	< 0.5	1,970	2.94	< 0.05	0.337	< 0.5	507	< 0.5	1,710	< 0.01	898	< 0.01	< 0.1	< 10	0.132	< 1	< 3
QUL-7	QUL-7	2014 08 06	57.1	< 0.1	0.13	6.13	< 0.1	< 0.5	< 10	< 0.01	16,100	< 0.5	< 0.1	1.72	42	< 0.05	0.53	1,970	3.31	< 0.05	0.332	< 0.5	522	< 0.5	1,700	< 0.01	869	< 0.01	< 0.1	< 10	0.132	< 1	< 3
QUL-8	QUL-8	2014 08 06	***101***	< 0.1	0.15	7.04	< 0.1	< 0.5	< 10	< 0.01	16,100	< 0.5	< 0.1	**2.78**	82	< 0.05	< 0.5	2,000	4.79	< 0.05	0.354	< 0.5	557	< 0.5	1,820	< 0.01	887	< 0.01	< 0.1	< 10	0.138	< 1	< 3
QUL-9	QUL-9	2014 08 06	93.8	< 0.1	0.15	6.48	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	**2.38**	80	< 0.05	0.59	1,980	4.3	< 0.05	0.333	< 0.5	534	< 0.5	1,770	< 0.01	893	< 0.01	< 0.1	< 10	0.135	< 1	< 3
	QUL-9	2014 08 09	31.4	< 0.1	0.13	5.75	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	1.09	< 30	< 0.05	0.63	1,910	2.59	< 0.05	0.33	< 0.5	496	< 0.5	1,600	< 0.01	841	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUL-9	2014 08 10	22.7	< 0.1	0.12	5.35	< 0.1	< 0.5	< 10	< 0.01	15,600	< 0.5	< 0.1	0.78	< 30	< 0.05	< 0.5	1,790	1.84	< 0.05	0.31	< 0.5	491	< 0.5	1,530	< 0.01	851	< 0.01	< 0.1	< 10	0.132	< 1	< 3
	QUL-9	2014 08 12	17.2	< 0.1	0.13	5.28	< 0.1	< 0.5	< 10	< 0.01	16,100	< 0.5	< 0.1	0.73	< 30	< 0.05	0.77	1,900	1.61	< 0.05	0.323	< 0.5	488	< 0.5	1,600	< 0.01	849	< 0.01	< 0.1	< 10	0.138	< 1	< 3
	QUL-9	2014 08 13	20.8	< 0.1	0.16	6.28	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	0.93	30	< 0.05	0.76	1,950	5.69	< 0.05	0.325	< 0.5	560	< 0.5	1,640	< 0.01	861	< 0.01	< 0.1	< 10	0.13	< 1	< 3
	QUL-9X	2014 08 13	28.9	< 0.1	0.15	6.52	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	1.1	38	< 0.05	0.85	1,990	6.04	< 0.05	0.332	< 0.5	579	< 0.5	1,690	< 0.01	880	< 0.01	< 0.1	< 10	0.131	< 1	< 3
	QA/QC RPD %		33	*	*	4	*	*	*	*	2	*	*	*	*	*	*	2	*	*	2	*	3	*	3	*	2	*	*	*	< 1	*	*
	QUL-9	2014 08 14	17.1	< 0.1	0.12	5.52	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	0.7	< 30	< 0.05	0.62	1,910	2.2	-	0.33	< 0.5	489	< 0.5	1,620	< 0.01	844	< 0.01	< 0.1	< 10	0.139	< 1	< 3
	QUL-9	2014 08 15	43.1	< 0.1	0.17	6.35	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	1.61	44	< 0.05	< 0.5	1,940	4.36	-	0.339	< 0.5	539	< 0.5	1,700	< 0.01	883	< 0.01	< 0.1	< 10	0.136	< 1	< 3
	QUL-9	2014 08 16	15.8	< 0.1	0.13	5.48	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	0.6	< 30	< 0.05	< 0.5	1,900	1.34	-	0.321	< 0.5	467	< 0.5	1,560	< 0.01	814	< 0.01	< 0.1	< 10	0.138	< 1	< 3
	QUL-9	2014 08 17	19.1	< 0.1	0.14	5.69	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	< 0.1	< 3[a]	< 30	0.065	0.69	1,900	2.59	-	0.32	< 0.5	496	< 0.5	1,560	< 0.01	843	< 0.01	< 0.1	< 10	0.143	< 1	< 3
	QUL-9	2014 08 19	14	< 0.1	0.12	4.96	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	0.65	< 30	< 0.05	0.99	1,930	1.06	-	0.304	< 0.5	448	< 0.5	1,560	< 0.01	783	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUL-9X	2014 08 19	15.2	< 0.1	0.12	5.36	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	0.54	< 30	< 0.05	0.8	1,930	1.14	-	0.305	< 0.5	479	< 0.5	1,570	< 0.01	851	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QA/QC RPD %		*	*	*	8	*	*	*	*	< 1	*	*	*	*	*	*	0	*	-	< 1	*	7	*	< 1	*	8	*	*	*	0	*	*
	QUL9	2014 08 22	79.5	< 0.1	0.15	7.13	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	**3.17**	75	< 0.05	0.77	1,940	5.01	-	0.33	< 0.5	523	< 0.5	1,660	< 0.01	872	< 0.01	< 0.1	< 10	0.145	< 1	< 3
QUL-10	QUL-10	2014 08 06	26.6	< 0.1	0.13	5.44	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	0.73	< 30	< 0.05	< 0.5	1,980	1.79	< 0.05	0.326	< 0.5	501	< 0.5	1,650	< 0.01	896	< 0.01	< 0.1	< 10	0.136	< 1	< 3
QUL-11	QUL-11-0M	2014 08 07	***142***	< 0.1	0.21	8.11	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	0.1	**4.03**	111	0.057	< 0.5	2,000	7.75	< 0.05	0.399	0.59	601	< 0.5	1,840	< 0.01	912	< 0.01	< 0.1	< 10	0.134	< 1	< 3
	QUL-11-5M	2014 08 07	30.9	< 0.1	0.14	5.44	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	< 0.1	0.84	< 30	< 0.05	< 0.5	1,920	1.46	< 0.05	0.291	< 0.5	477	< 0.5	1,590	< 0.01	824	< 0.01	< 0.1	< 10	0.14	< 1	< 3
	QUL-11-5MX	2014 08 07	28.2	< 0.1	0.14	5.56	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	< 0.1	1.23	< 30	< 0.05	< 0.5	1,910	1.52	< 0.05	0.284	< 0.5	475	< 0.5	1,580	< 0.01	816	< 0.01	< 0.1	< 10	0.139	< 1	< 3
	QA/QC RPD %		9	*	*	2	*	*	*	*	0	*	*	*	*	*	*	< 1	*	*	2	*	< 1	*	< 1	*	< 1	*	*	*	< 1	*	*
	QUL-11-10M	2014 08 07	79.5	< 0.1	0.15	6.37	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	1.96	73	< 0.05	< 0.5	2,050	3.49	< 0.05	0.298	< 0.5	503	< 0.5	1,810	< 0.01	886	< 0.01	< 0.1	< 10	0.148	< 1	< 3
	QUL-11-15M	2014 08 07	26	< 0.1	0.12	5.26	< 0.1	< 0.5	< 10	< 0.01	17,400	< 0.5	< 0.1	0.85	< 30	< 0.05	0.58	2,040	1.4	< 0.05	0.266	< 0.5	471	< 0.5	1,680	< 0.01	885	< 0.01	< 0.1	< 10	0.154	< 1	< 3
	QUL-11-20M	2014 08 07	48	< 0.1	0.15	5.77	< 0.1	< 0.5	< 10	< 0.01	18,000	< 0.5	< 0.1	1.28	52	< 0.05	0.68	2,110	2.48	< 0.05	0.281	< 0.5	499	< 0.5	1,790	< 0.01	925	< 0.01	< 0.1	< 10	0.161	< 1	< 3
	QUL-11-24M	2014 08 07	59.9	< 0.1	0.14	6.13	< 0.1	< 0.5	< 10	< 0.01	18,200	< 0.5	< 0.1	1.38	62	< 0.05	0.72	2,140	3.3	< 0.05	0.302	< 0.5	501	< 0.5	1,830	< 0.01	935	< 0.01	< 0.1	< 10	0.167	< 1	< 3

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

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[a] Laboratory detection limit out of range.

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TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

			Physical Parameters									Total Inorganics												
Sample Location	Sample ID	Sample Date (yyyy mm dd)	Hardness (mg/L)	pH (field) (pH)	pH (pH)	Temperature (field) (C)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)	Total Kjeldahl Nitrogen (N) (mg/L)	Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Bromide (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus[g] (mg/L)
BC Guidelines																								
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	6.5-9.0		Change of 8	n/a	n/a	Change of 25	n/a	n/a	n/a	5,680-18,400[d]	32,800	60-600[d]	32,800[f]	600	988.2-1742[d]	n/a	n/a	n/a	n/a	0.005-0.015
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	+/-1 Degree change from ambient	Change of 2	n/a	n/a	Change of 5	+20% of median background	n/a	n/a	1,090-1,770[d]	3,000	20-200[d]	3,000[f]	150	n/a	128-429[d]	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	6.5-8.5	n/a[i]	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,000	500	n/a	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	6.5-8.5	n/a[i]	n/a[i]	n/a	500	n/a	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a	n/a
QUL-12	QUL-12-0M	2014 08 07	49.8	-	7.89	-	13.1	97.9	73	13.8	2.53	-	0.106	< 5	38.7	< 1	-	< 0.5	36	5.85	45.9	-	< 0.001	< 0.002[a]
	QUL-12-5M	2014 08 07	48.6	-	7.97	-	0.47	94.8	68	< 3	2	-	0.135	< 5	71.2	< 1	-	< 0.5	35	5.51	44.3	-	< 0.001	< 0.002[a]
	QUL-12-10M	2014 08 07	50.7	-	7.91	-	1.08	99.7	77	< 3	2	-	0.164	< 5	112	< 1	-	< 0.5	35	5.77	47	-	< 0.001	< 0.002[a]
	QUL-12-15M	2014 08 07	52.7	-	7.92	-	1.09	104	74	< 3	1.88	-	0.181	< 5	139	< 1	-	< 0.5	37	6.04	48.7	-	< 0.001	< 0.002[a]
	QUL-12-20M	2014 08 07	53.5	-	7.91	-	0.7	105	74	< 3	1.85	-	0.18	< 5	140	< 1	-	< 0.5	36	6.07	49	-	< 0.001	< 0.002[a]
QUL-13	QUL-13-0M	2014 08 07	47.9	-	7.94	-	3.01	94.6	68	3.2	2.21	-	0.113	< 5	54.8	< 1	-	< 0.5	35	5.55	44.6	-	< 0.001	< 0.002[a]
	QUL-13-5M	2014 08 07	48.2	-	7.96	-	0.49	94.5	66	< 3	2.08	-	0.176	< 5	72.8	< 1	-	< 0.5	34	5.5	44.5	-	< 0.001	< 0.002[a]
	QUL-13-10M	2014 08 07	49.8	-	7.93	-	0.87	99.2	70	< 3	1.94	-	0.164	< 5	111	< 1	-	< 0.5	35	5.72	46.3	-	< 0.001	< 0.002[a]
	QUL-13-15M	2014 08 07	52.5	-	7.92	-	1.18	104	75	< 3	1.84	-	0.174	< 5	136	< 1	-	< 0.5	36	6.02	48.3	-	< 0.001	< 0.002[a]
	QUL-13-20M	2014 08 07	50.2	-	7.94	-	0.61	106	68	< 3	1.79	-	0.185	< 5	141	< 1	-	< 0.5	36	6.08	49.2	-	< 0.001	< 0.002[a]
QUL-14	QUL-14-0M	2014 08 07	48.6	-	7.87	-	7.45	98.8	69	9.4	2.69	-	0.124	< 5	27.5	< 1	-	< 0.5	36	5.84	45.7	-	< 0.001	< 0.002[a]
	QUL-14-3M	2014 08 07	47.9	-	7.94	-	1.25	95.9	66	< 3	2.05	-	0.137	< 5	66.5	< 1	-	< 0.5	34	5.56	44.5	-	< 0.001	< 0.002[a]
QUL-15	QUL-15-0M	2014 08 07	48.9	-	7.91	-	2.26	97.5	69	< 3	2.58	-	0.127	< 5	34.8	< 1	-	< 0.5	35	5.78	52.2	-	< 0.001	< 0.002[a]
	QUL-15-4.5M	2014 08 07	48.1	-	7.92	-	1.15	95.6	67	< 3	2.1	-	0.131	< 5	70	< 1	-	< 0.5	34	5.54	50	-	< 0.001	< 0.002[a]
QUL-16	QUL-16-0M	2014 08 07	48.3	-	7.93	-	0.97	95	64	< 3	2.21	-	0.144	< 5	56.7	< 1	-	< 0.5	34	5.53	44.3	-	< 0.001	< 0.002[a]
	QUL-16-4.5M	2014 08 07	48	-	7.96	-	0.5	95.3	61	< 3	2.07	-	0.13	< 5	68	< 1	-	< 0.5	33	5.5	44.3	-	< 0.001	< 0.002[a]
QUL-17	QUL-17	2014 08 08	48.7	8.01	7.97	17.3	1.31	95.5	60	< 3	2.45	-	0.122	< 5	65.1	< 1	-	< 0.5	34	5.51	44.2	-	< 0.001	< 0.002[a]
	QUL-17	2014 08 09	48.6	7.86	7.88	18.2	0.44	96.3	66	< 3	2.31	-	0.135	< 5	63	< 1	-	< 0.5	34	5.49	42.9	-	< 0.001	< 0.002[a]
	QUL-17	2014 08 11	48	7.97	7.91	20.2	0.41	97.5	64	< 3	2.36	-	0.133	< 5	52.4	< 1	-	< 0.5	34	5.68	43.3	-	< 0.001	**0.0024**
	QUL-17	2014 08 12	47	8.01	7.97	20.6	0.44	95.6	64	< 3	1.91	-	0.135	< 5	49.5	< 1	-	< 0.5	36	5.65	44	-	0.0013	< 0.002[a]
	QUL-17	2014 08 13	47.5	-	7.99	20.6	0.39	97.8	58	< 3	2.15	-	0.12	< 5	42.7	< 1	-	< 0.5	33	5.63	44.5	-	< 0.001	< 0.002[a]
	QUL-17	2014 08 14	49.4	7.95	7.95	20.9	0.29	97.5	63	< 3	2.11	-	0.107	< 5	43	< 1	-	< 0.5	36	5.63	44.2	-	< 0.001	**0.0024**
	QUL-17X	2014 08 14	48.5	7.95	7.95	20.9	0.26	97.8	66	< 3	2.15	-	0.111	< 5	43	< 1	-	< 0.5	36	5.65	44.3	-	< 0.001	< 0.002[a]
	QA/QC RPD %		2	0	0	0	*	< 1	5	*	*	-	*	*	0	*	-	*	*	< 1	< 1	-	*	*
	QUL-17	2014 08 15	48.4	8.13	7.98	21.0	0.25	96.2	66	< 3	1.92	-	0.103	< 5	41.1	< 1	-	< 0.5	36	5.63	43.7	-	< 0.001	< 0.002[a]
	QUL-17	2014 08 16	48.6	8.12	7.95	20.6	0.52	95.6	56	< 3	2.04	-	0.117	< 5	46	< 1	-	< 0.5	36	5.62	42.5	-	< 0.001	< 0.002[a]
	QUL-17	2014 08 17	47.9	7.78	7.97	21.1	0.36	96.5	62	< 3	2.32	-	0.122	< 5	40.8	< 1	-	< 0.5	34	5.64	43.6	-	< 0.001	< 0.002[a]
QUL-18	QUL-18-0M	2014 08 08	48.6	8.03	7.95	16.9	0.38	95.4	64	< 3	2.07	-	0.129	< 5	68.9	< 1	-	< 0.5	34	5.5	44	-	< 0.001	< 0.002[a]
	QUL-18-8M	2014 08 08	50.7	7.92	7.97	8.8	0.58	98.9	68	< 3	1.92	-	0.153	< 5	99.3	< 1	-	< 0.5	35	5.66	46.1	-	< 0.001	< 0.002[a]
	QUL-18-30M	2014 08 08	54.6	7.65	7.95	4.5	0.96	107	69	< 3	1.89	-	0.185	< 5	143	< 1	-	< 0.5	36	6.11	49.3	-	< 0.001	< 0.002[a]
	QUL-18-0M	2014 08 09	48.6	7.93	7.81	16.5	0.64	94.4	68	< 3	2.03	-	0.143	< 5	64.4	< 1	-	< 0.5	35	5.53	42.8	-	< 0.001	< 0.002[a]
	QUL-18-8M	2014 08 09	49.8	7.85	7.87	11.8	0.37	97.1	73	< 3	2.01	-	0.158	< 5	87.7	< 1	-	< 0.5	34	5.6	43.8	-	< 0.001	< 0.002[a]
	QUL-18-30M	2014 08 09	54.5	7.59	7.87	4.5	3.4	106	75	< 3	1.91	-	0.186	< 5	138	< 1	-	< 0.5	37	6.15	48	-	< 0.001	< 0.002[a]
	QUL-18	2014 08 10	48.8	7.77	7.91	20.5	0.39	96.2	63	< 3	2.25	-	0.136	< 5	56.3	< 1	-	< 0.5	34	5.59	45	-	< 0.001	< 0.002[a]
	QUL-18	2014 08 11	47.8	7.73	7.91	20.3	0.38	97.7	67	< 3	2.22	-	0.203	< 5	53.6	< 1	-	< 0.5	34	5.63	44.3	-	< 0.001	**0.0022**
	QUL-18	2014 08 12	47.4	7.92	7.94	21.0	0.51	95.6	64	< 3	1.96	-	0.126	< 5	51.1	< 1	-	< 0.5	36	5.67	44.1	-	< 0.001	**0.002**
	QUL-18-0M	2014 08 13	47.2	-	7.98	20.3	0.34	98.2	57	< 3	2.1	-	0.12	< 5	44.8	< 1	-	< 0.5	33	5.63	44.7	-	< 0.001	< 0.002[a]
	QUL-18-16M	2014 08 13	50.2	-	7.97	10.1	0.27	103	70	< 3	1.95	-	0.173	< 5	111	< 1	-	< 0.5	34	5.85	46.2	-	0.001	< 0.002[a]
	QUL-18-30M	2014 08 13	52.3	-	7.97	-	0.49	109	69	< 3	1.91	-	0.188	< 5	139	< 1	-	< 0.5	35	6.21	48.9	-	< 0.001	< 0.002[a]
	QUL-18	2014 08 14	49.2	8.04	7.97	21.2	0.22	97.9	67	< 3	1.98	-	0.105	< 5	46	< 1	-	< 0.5	35	5.65	44.1	-	< 0.001	< 0.002[a]
	QUL-18	2014 08 15	48.9	8.09	7.93	21.0	0.28	94.7	66	< 3	1.86	-	0.102	< 5	42.1	< 1	-	< 0.5	36	5.62	43.3	-	< 0.001	**0.0025**
	QUL-18-0M	2014 08 16	48.3	8.08	7.95	20.4	0.62	94.7	64	< 3	2.02	-	0.106	< 5	41	< 1	-	< 0.5	36	5.6	43.9	-	< 0.001	< 0.002[a]
	QUL-18-10M	2014 08 16	50	7.82	7.94	13.9	1.4	97.4	64	< 3	2.06	-	0.136	< 5	87.9	< 1	-	< 0.5	36	5.82	44.6	-	< 0.001	< 0.002[a]
	QUL-18-30M	2014 08 16	54.6	7.60	7.91	4.7	3.17	106	68	< 3	1.7	-	0.173	< 5	141	< 1	-	< 0.5	38	6.37	49.1	-	< 0.001	< 0.002[a]
	QUL-18	2014 08 19	48.6	7.80	7.93	20.0	0.35	96.5	63	< 3	2.07	-	0.112	< 5	40.3	< 1	-	< 0.5	32	5.54	43.6	-	< 0.001	< 0.002[a]
	QUL18	2014 08 25	49.7	7.94	7.95	17.3	0.66	99.2	66	< 3	1.81	-	0.151	< 5	55.3	< 1	-	< 0.5	34	5.8	44.5	-	< 0.001	< 0.002[a]
	QUL-18	2014 08 26	50.6	7.79	8	18.5	0.45	97.8	74	< 3	2.2	-	0.143	< 5	50.7	< 1	-	< 0.5	35	5.75	44.8	-	< 0.001	< 0.002[a]
	QUL-18X	2014 08 26	50.9	7.79	7.99	18.5	0.38	97.4	78	< 3	2.11	-	0.12	< 5	50.9	< 1	-	< 0.5	35	5.75	42.1	-	< 0.001	< 0.002[a]
	QA/QC RPD %		< 1	0	< 1	0	*	< 1	5	*	*	-	*	*	< 1	*	-	*	*	0	6	-	*	*

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

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[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																												
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																															
BCWQG Aquatic Life (AW)[b,c]			30-100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50-1000[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
QUL-12	QUL-12-0M	2014 08 07	12.4	16.7	< 30	1.94	6.45	0.556	1.02	< 0.1	0.13	7.42	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.7	< 0.05	0.74	-	0.413	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.134	< 1	< 3
	QUL-12-5M	2014 08 07	10.2	16.3	< 30	1.9	0.174	0.453	0.912	< 0.1	< 0.1	5.15	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.81	-	0.29	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.135	< 1	< 3
	QUL-12-10M	2014 08 07	8	17.1	< 30	1.98	0.459	0.459	0.927	< 0.1	0.1	5.44	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.51	< 0.05	0.84	-	0.274	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.142	< 1	< 3
	QUL-12-15M	2014 08 07	6.7	17.8	< 30	2.04	0.522	0.466	1.03	< 0.1	0.11	5.34	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.67	< 0.05	0.72	-	0.275	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.149	< 1	< 3
	QUL-12-20M	2014 08 07	5.5	18	< 30	2.05	0.496	0.471	0.997	< 0.1	< 0.1	5.13	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.79	-	0.266	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.152	< 1	< 3
QUL-13	QUL-13-0M	2014 08 07	11	16.1	< 30	1.88	2.03	0.49	1	< 0.1	0.11	5.94	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.79	< 0.05	0.8	-	0.32	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.132	< 1	< 3
	QUL-13-5M	2014 08 07	10.4	16.2	< 30	1.87	0.158	0.461	0.904	< 0.1	< 0.1	5.21	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.81	-	0.272	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.139	< 1	< 3
	QUL-13-10M	2014 08 07	8.2	16.7	< 30	1.95	0.275	0.469	0.953	< 0.1	0.11	5.27	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.89	-	0.273	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.14	< 1	< 3
	QUL-13-15M	2014 08 07	6.1	17.7	< 30	2.03	0.287	0.47	0.986	< 0.1	0.1	5.08	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.57	< 0.05	0.87	-	0.273	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.15	< 1	< 3
	QUL-13-20M	2014 08 07	6.1	16.9	< 30	1.95	0.342	0.478	1	< 0.1	< 0.1	5.11	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.57	< 0.05	0.8	-	0.269	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.15	< 1	< 3
QUL-14	QUL-14-0M	2014 08 07	11.1	16.3	< 30	1.92	6.63	0.576	0.991	< 0.1	0.14	6.99	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.38	< 0.05	0.65	-	0.386	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.125	< 1	< 3
	QUL-14-3M	2014 08 07	12.3	16.1	< 30	1.87	0.934	0.478	0.937	< 0.1	< 0.1	5.42	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.59	< 0.05	0.65	-	0.299	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.136	< 1	< 3
QUL-15	QUL-15-0M	2014 08 07	28.6	16.4	< 30	1.95	6.24	0.59	1	< 0.1	0.3	6.82	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.33	< 0.05	0.75	-	0.374	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
	QUL-15-4.5M	2014 08 07	10.3	16.2	< 30	1.89	0.405	0.47	0.901	< 0.1	0.1	5.19	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.51	< 0.05	0.75	-	0.277	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
QUL-16	QUL-16-0M	2014 08 07	11.1	16.2	< 30	1.9	2.18	0.505	0.92	< 0.1	0.13	5.71	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.64	< 0.05	0.8	-	0.315	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
	QUL-16-4.5M	2014 08 07	10.4	16.1	< 30	1.89	0.864	0.49	0.919	< 0.1	0.13	5.36	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.58	< 0.05	0.78	-	0.29	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
QUL-17	QUL-17	2014 08 08	12.2	16.4	< 30	1.91	0.754	0.464	0.838	< 0.1	0.1	5.49	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.66	< 0.05	0.55	-	0.279	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.127	< 1	< 3
	QUL-17	2014 08 09	9.9	16.4	< 30	1.88	0.656	0.483	0.839	< 0.1	< 0.1	5.35	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.56	-	0.296	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.135	< 1	< 3
	QUL-17	2014 08 11	11	16.1	< 30	1.89	1.76	0.503	0.847	< 0.1	0.12	5.46	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	1.04	-	0.286	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.129	< 1	< 3
	QUL-17	2014 08 12	10	15.8	< 30	1.83	0.222	0.466	0.85	< 0.1	< 0.1	5.41	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.77	-	0.311	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.138	< 1	< 3
	QUL-17	2014 08 13	9.4	15.9	< 30	1.9	0.284	0.471	0.833	< 0.1	0.1	5.47	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.89	-	0.332	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.13	< 1	< 3
	QUL-17	2014 08 14	12.6	16.6	< 30	1.93	0.843	0.475	0.815	< 0.1	0.1	5.39	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.63	-	0.298	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.125	< 1	< 3
	QUL-17X	2014 08 14	10	16.3	< 30	1.88	0.802	0.461	0.829	< 0.1	0.12	5.33	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.64	-	0.299	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.124	< 1	< 3
	QA/QC RPD %		*	2	*	3	5	3	2	*	*	1	*	*	*	*	*	*	*	*	-	< 1	*	*	*	*	*	< 1	*	*
	QUL-17	2014 08 15	9.6	16.3	< 30	1.88	0.574	0.473	0.836	< 0.1	0.12	5.52	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.301	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.127	< 1	< 3
	QUL-17	2014 08 16	10.3	16.3	< 30	1.89	0.484	0.469	0.797	< 0.1	0.1	5.43	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.64	-	0.287	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.134	< 1	< 3
	QUL-17	2014 08 17	10	16.1	< 30	1.88	0.894	0.47	0.82	< 0.1	0.1	5.37	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.59	-	0.292	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.132	< 1	< 3
QUL-18	QUL-18-0M	2014 08 08	10.9	16.3	< 30	1.91	0.294	0.468	0.824	< 0.1	0.11	5.37	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.57	-	0.301	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.128	< 1	< 3
	QUL-18-8M	2014 08 08	11.1	17	< 30	1.97	0.188	0.46	0.856	< 0.1	< 0.1	5.32	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.62	-	0.282	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.135	< 1	< 3
	QUL-18-30M	2014 08 08	5.9	18.4	< 30	2.11	1.73	0.462	0.911	< 0.1	0.1	5.25	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.71	-	0.265	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.143	< 1	< 3
	QUL-18-0M	2014 08 09	10.3	16.4	< 30	1.89	0.959	0.474	0.839	< 0.1	< 0.1	5.42	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.58	< 0.05	< 0.5	-	0.312	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.132	< 1	< 3
	QUL-18-8M	2014 08 09	9.4	16.8	< 30	1.9	0.149	0.469	0.833	< 0.1	< 0.1	5.02	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.261	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.142	< 1	< 3
	QUL-18-30M	2014 08 09	5.6	18.4	< 30	2.08	9.54	0.469	0.925	< 0.1	0.11	5.9	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.82	< 0.05	0.64	-	0.297	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.157	< 1	< 3
	QUL-18	2014 08 10	11.4	16.4	< 30	1.89	1.18	0.493	0.854	< 0.1	0.1	5.53	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.54	< 0.05	0.54	-	0.29	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.131	< 1	< 3
	QUL-18	2014 08 11	12.3	16.1	< 30	1.86	1.07	0.495	0.829	< 0.1	0.11	5.38	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	1.03	-	0.286	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.13	< 1	< 3
	QUL-18	2014 08 12	10.1	16	< 30	1.84	0.438	0.484	0.827	< 0.1	0.1	5.22	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.53	< 0.05	0.76	-	0.3	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.134	< 1	< 3
	QUL-18-0M	2014 08 13	9.2	15.8	< 30	1.87	0.224	0.463	0.834	< 0.1	0.1	5.43	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.93	-	0.315	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.13	< 1	< 3
	QUL-18-16M	2014 08 13	10.5	17	< 30	1.91	0.094	0.449	0.834	< 0.1	< 0.1	4.96	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.98	-	0.257	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.145	< 1	< 3
	QUL-18-30M	2014 08 13	5.8	17.7	< 30	2	0.639	0.466	0.922	< 0.1	< 0.1	4.96	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.62	< 0.05	0.87	-	0.289	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.157	< 1	< 3
	QUL-18	2014 08 14	10	16.6	< 30	1.9	0.493	0.459	0.808	< 0.1	< 0.1	5.13	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.68	-	0.291	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.129	< 1	< 3
	QUL-18	2014 08 15	10.1	16.5	< 30	1.9	0.508	0.469	0.826	< 0.1	0.11	5.45	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.305	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.13	< 1	< 3
	QUL-18-0M	2014 08 16	10.2	16.2	< 30	1.89	0.584	0.473	0.808	< 0.1	0.11	5.53	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.51	< 0.05	0.62	-	0.306	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.131	< 1	< 3
	QUL-18-10M	2014 08 16	10.5	16.9	< 30	1.87	0.544	0.479	0.83	< 0.1	< 0.1	6.38	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.64	< 0.05	0.63	-	0.282	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.146	< 1	< 3
	QUL-18-30M	2014 08 16	6.1	18.5	< 30	2.06	4.41	0.497	0.986	< 0.1	0.12	6.1	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.07	< 0.05	0.59	-	0.335	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.169	< 1	< 3
	QUL-18	2014 08 19	9.1	16.3	< 30	1.9	0.466	0.415	0.74	< 0.1	< 0.1	4.75	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.64	-	0.287	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.122	< 1	< 3
	QUL18	2014 08 25	10.6	16.8	< 30	1.9	0.806	0.465	0.831	< 0.1	0.1	5.5	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.98	< 0.05	< 0.5	-	0.28	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
	QUL-18	2014 08 26	8.8	17.1	< 30	1.93	0.625	0.431	0.784	< 0.1	< 0.1	5.19	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.65	< 0.05	0.62	-	0.271	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.124	< 1	< 3
	QUL-18X	2014 08 26	9.7	17.2	< 30	1.95	0.673	0.45	0.799	< 0.1	0.1	5.28	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.71	< 0.05	0.55	-	0.272	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.13	< 1	< 3
	QA/QC RPD %		*	< 1	*	1	7	4	2	*	*	2	*	*	*	*	*	*	*	*	*	< 1	*	*	*	*	*	5	*	*

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Metals																														
			Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bismuth (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Magnesium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Potassium (µg/L)	Selenium (µg/L)	Silicon (µg/L)	Silver (µg/L)	Sodium (µg/L)	Thallium (µg/L)	Tin (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																																	
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.016-0.079[d]	n/a	1 (Cr(+6))	110	6.0-27.9[d]	1,000	27.3-297.3[d]	870	n/a	1001-3582[d]	Methyl mercury analysis in progress	2,000	25-150[d]	373,000-432,000	2	n/a	0.1-3.0[d]	n/a	0.3	n/a	2,000	300	6	33-172.5[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	2-11[d]	n/a	4.4-14.9[d]	14[i]	n/a	791.1-1819[d]		1,000	n/a	n/a	n/a	n/a	0.05-1.5[d]	n/a	n/a	n/a	n/a	n/a	n/a	7.5-147[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	n/a	2	n/a	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	n/a	50	1	n/a	n/a	n/a	10	n/a	n/a	200,000	n/a	n/a	n/a	20	n/a	5,000
QUL-12	QUL-12-0M	2014 08 07	***783***	< 0.1	0.41	17.7	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	0.55	**19.9**	***595***	0.234	1.23	2,390	23.4	< 0.05	0.483	0.77	842	< 0.5	3,320	< 0.01	1,110	< 0.01	< 0.1	38	0.163	2	3.6
	QUL-12-5M	2014 08 07	23.3	< 0.1	0.13	5.48	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.8	< 30	< 0.05	0.61	1,930	1.27	< 0.05	0.281	< 0.5	473	< 0.5	1,600	< 0.01	824	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUL-12-10M	2014 08 07	58.2	< 0.1	0.16	6.13	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	1.44	55	< 0.05	0.71	2,020	2.63	< 0.05	0.287	< 0.5	496	< 0.5	1,760	< 0.01	893	< 0.01	< 0.1	< 10	0.152	< 1	< 3
	QUL-12-15M	2014 08 07	56.1	< 0.1	0.14	5.95	< 0.1	< 0.5	< 10	< 0.01	17,800	< 0.5	< 0.1	1.57	50	< 0.05	0.63	2,100	2.28	< 0.05	0.286	< 0.5	501	< 0.5	1,800	< 0.01	903	< 0.01	< 0.1	< 10	0.156	< 1	< 3
	QUL-12-20M	2014 08 07	42.2	< 0.1	0.14	5.81	< 0.1	< 0.5	< 10	< 0.01	18,200	< 0.5	< 0.1	1.21	43	< 0.05	0.58	2,120	2.08	< 0.05	0.275	< 0.5	492	< 0.5	1,800	< 0.01	921	< 0.01	< 0.1	< 10	0.159	< 1	< 3
QUL-13	QUL-13-0M	2014 08 07	***164***	< 0.1	0.19	7.74	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	0.11	**4.34**	125	0.056	0.73	1,960	5.88	< 0.05	0.339	< 0.5	544	< 0.5	1,860	< 0.01	872	< 0.01	< 0.1	< 10	0.143	< 1	< 3
	QUL-13-5M	2014 08 07	22.4	< 0.1	0.12	5.42	< 0.1	< 0.5	< 10	< 0.01	15,900	< 0.5	< 0.1	0.71	< 30	< 0.05	0.69	1,870	1.16	< 0.05	0.277	< 0.5	465	< 0.5	1,550	< 0.01	803	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUL-13-10M	2014 08 07	39.2	< 0.1	0.13	5.62	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	1.09	37	< 0.05	0.5	1,930	1.77	< 0.05	0.286	< 0.5	473	< 0.5	1,650	< 0.01	836	< 0.01	< 0.1	< 10	0.147	< 1	< 3
	QUL-13-15M	2014 08 07	66.2	< 0.1	0.14	6.1	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	1.84	58	< 0.05	0.77	2,050	2.5	< 0.05	0.276	< 0.5	482	< 0.5	1,780	< 0.01	884	< 0.01	< 0.1	< 10	0.16	< 1	< 3
	QUL-13-20M	2014 08 07	36.2	< 0.1	0.12	5.43	< 0.1	< 0.5	< 10	< 0.01	17,800	< 0.5	< 0.1	1.04	36	< 0.05	0.59	2,070	1.81	< 0.05	0.278	< 0.5	488	< 0.5	1,750	< 0.01	909	< 0.01	< 0.1	< 10	0.156	< 1	< 3
QUL-14	QUL-14-0M	2014 08 07	***449***	< 0.1	0.3	12.6	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	0.31	**11.8**	***348***	0.134	0.8	2,160	16.2	< 0.05	0.42	0.67	717	< 0.5	2,520	< 0.01	963	< 0.01	< 0.1	23	0.148	1.2	< 3
	QUL-14-3M	2014 08 07	55.9	< 0.1	0.13	5.89	< 0.1	< 0.5	< 10	< 0.01	15,600	< 0.5	< 0.1	1.72	46	< 0.05	0.55	1,850	2.76	< 0.05	0.295	< 0.5	499	< 0.5	1,600	< 0.01	814	< 0.01	< 0.1	< 10	0.137	< 1	< 3
QUL-15	QUL-15-0M	2014 08 07	***139***	< 0.1	0.19	8.57	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	< 0.1	**4.22**	108	< 0.05	0.6	1,980	9.05	< 0.05	0.373	< 0.5	620	< 0.5	1,850	< 0.01	901	< 0.01	< 0.1	< 10	0.137	< 1	< 3
	QUL-15-4.5M	2014 08 07	54.3	< 0.1	0.14	5.87	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	< 0.1	1.34	53	< 0.05	0.59	1,910	2.21	< 0.05	0.303	< 0.5	483	< 0.5	1,640	< 0.01	813	< 0.01	< 0.1	< 10	0.143	< 1	< 3
QUL-16	QUL-16-0M	2014 08 07	47.3	< 0.1	0.15	6.18	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	1.84	41	0.07	0.57	1,930	3.31	< 0.05	0.322	< 0.5	668	< 0.5	1,640	< 0.01	998	< 0.01	0.16	< 10	0.138	< 1	3.2
	QUL-16-4.5M	2014 08 07	30.2	< 0.1	0.14	5.71	< 0.1	< 0.5	< 10	< 0.01	15,800	< 0.5	< 0.1	0.86	< 30	< 0.05	0.57	1,880	1.86	< 0.05	0.283	< 0.5	487	< 0.5	1,570	< 0.01	825	< 0.01	< 0.1	< 10	0.137	< 1	< 3
QUL-17	QUL-17	2014 08 08	90.5	< 0.1	0.15	6.6	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	**2.21**	73	< 0.05	0.55	1,970	3.18	< 0.05	0.291	< 0.5	511	< 0.5	1,760	< 0.01	876	< 0.01	< 0.1	< 10	0.138	< 1	< 3
	QUL-17	2014 08 09	23.9	< 0.1	0.12	5.52	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.8	< 30	< 0.05	0.63	1,910	1.36	< 0.05	0.298	< 0.5	482	< 0.5	1,590	< 0.01	835	< 0.01	< 0.1	< 10	0.143	< 1	< 3
	QUL-17	2014 08 11	22.7	< 0.1	0.13	5.55	< 0.1	< 0.5	< 10	< 0.01	15,900	< 0.5	< 0.1	0.8	< 30	< 0.05	0.9	1,890	2.15	< 0.05	0.322	< 0.5	515	< 0.5	1,540	< 0.01	848	< 0.01	< 0.1	< 10	0.139	< 1	< 3
	QUL-17	2014 08 12	15.6	< 0.1	0.12	5.48	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	0.6	< 30	< 0.05	0.86	1,910	1.37	< 0.05	0.325	< 0.5	473	< 0.5	1,600	< 0.01	859	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUL-17	2014 08 13	13.9	< 0.1	0.13	5.32	< 0.1	< 0.5	< 10	< 0.01	15,500	< 0.5	< 0.1	0.64	< 30	< 0.05	0.72	1,870	1.63	< 0.05	0.32	< 0.5	452	< 0.5	1,560	< 0.01	824	< 0.01	< 0.1	< 10	0.127	< 1	< 3
	QUL-17	2014 08 14	17.1	< 0.1	0.13	5.47	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.61	< 30	< 0.05	0.62	1,920	1.74	-	0.323	< 0.5	491	< 0.5	1,630	< 0.01	873	< 0.01	< 0.1	< 10	0.139	< 1	< 3
	QUL-17X	2014 08 14	16.1	< 0.1	0.13	5.53	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	0.68	< 30	< 0.05	0.62	1,900	1.78	-	0.323	< 0.5	491	< 0.5	1,610	< 0.01	860	< 0.01	< 0.1	< 10	0.139	< 1	< 3
	QA/QC RPD %		6	*	*	1	*	*	*	*	1	*	*	*	*	*	*	1	*	-	0	*	0	*	1	*	2	*	*	*	0	*	*
	QUL-17	2014 08 15	19.6	< 0.1	0.12	5.75	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	< 0.1	0.7	< 30	< 0.05	< 0.5	1,860	1.5	-	0.335	< 0.5	475	< 0.5	1,590	< 0.01	841	< 0.01	< 0.1	< 10	0.136	< 1	< 3
	QUL-17	2014 08 16	17.4	< 0.1	0.13	5.43	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	< 0.1	0.69	< 30	< 0.05	< 0.5	1,880	1.27	-	0.279	< 0.5	469	< 0.5	1,540	< 0.01	825	< 0.01	< 0.1	< 10	0.129	< 1	< 3
	QUL-17	2014 08 17	18.9	< 0.1	0.14	5.43	< 0.1	< 0.5	< 10	< 0.01	15,700	< 0.5	< 0.1	< 1	< 30	< 0.05	0.7	1,860	1.64	-	0.306	< 0.5	485	< 0.5	1,520	< 0.01	848	< 0.01	< 0.1	< 10	0.144	< 1	< 3
QUL-18	QUL-18-0M	2014 08 08	24.2	< 0.1	0.13	5.36	< 0.1	< 0.5	< 10	< 0.01	15,900	< 0.5	< 0.1	0.68	< 30	< 0.05	0.52	1,900	1.17	< 0.05	0.286	< 0.5	468	< 0.5	1,580	< 0.01	825	< 0.01	< 0.1	< 10	0.135	< 1	< 3
	QUL-18-8M	2014 08 08	28.3	< 0.1	0.13	5.47	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.94	< 30	< 0.05	0.56	1,930	1.36	< 0.05	0.279	< 0.5	464	< 0.5	1,620	< 0.01	847	< 0.01	< 0.1	< 10	0.137	< 1	< 3
	QUL-18-30M	2014 08 08	57.8	< 0.1	0.13	5.86	< 0.1	< 0.5	< 10	< 0.01	18,100	< 0.5	< 0.1	1.42	57	< 0.05	0.68	2,110	3.61	< 0.05	0.365	< 0.5	491	< 0.5	1,830	< 0.01	943	< 0.01	< 0.1	< 10	0.155	< 1	< 3
	QUL-18-0M	2014 08 09	33.1	< 0.1	0.13	5.64	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	< 0.1	1.1	< 30	< 0.05	< 0.5	1,890	1.91	< 0.05	0.307	< 0.5	475	< 0.5	1,600	< 0.01	830	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QUL-18-8M	2014 08 09	18.7	< 0.1	0.11	5.11	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.63	< 30	< 0.05	0.51	1,880	1.02	< 0.05	0.274	< 0.5	455	< 0.5	1,560	< 0.01	811	< 0.01	< 0.1	< 10	0.148	< 1	< 3
	QUL-18-30M	2014 08 09	***206***	< 0.1	0.19	8.54	< 0.1	< 0.5	< 10	< 0.01	18,200	< 0.5	0.13	**4.29**	183	0.06	0.67	2,180	13.7	< 0.05	0.293	< 0.5	541	< 0.5	2,170	< 0.01	959	< 0.01	< 0.1	12	0.157	< 1	< 3
	QUL-18	2014 08 10	24	< 0.1	0.12	5.65	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	0.81	< 30	< 0.05	< 0.5	1,900	1.89	< 0.05	0.302	< 0.5	500	< 0.5	1,620	< 0.01	869	< 0.01	< 0.1	< 10	0.137	< 1	< 3
	QUL-18	2014 08 11	22.3	< 0.1	0.13	5.55	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	0.78	< 30	< 0.05	0.84	1,890	1.74	< 0.05	0.319	< 0.5	494	< 0.5	1,540	< 0.01	840	< 0.01	< 0.1	< 10	0.14	< 1	< 3
	QUL-18	2014 08 12	17.9	< 0.1	0.11	5.25	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	< 0.1	0.74	< 30	< 0.05	0.89	1,890	1.83	< 0.05	0.327	< 0.5	480	< 0.5	1,570	< 0.01	839	< 0.01	< 0.1	< 10	0.145	< 1	< 3
	QUL-18-0M	2014 08 13	13.7	< 0.1	0.13	5.47	< 0.1	< 0.5	< 10	< 0.01	15,800	< 0.5	< 0.1	0.6	< 30	< 0.05	0.77	1,890	1.52	< 0.05	0.335	< 0.5	465	< 0.5	1,580	< 0.01	843	< 0.01	< 0.1	< 10	0.135	< 1	< 3
	QUL-18-16M	2014 08 13	13.8	< 0.1	0.11	4.99	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	0.53	< 30	< 0.05	0.81	1,920	0.882	< 0.05	0.25	< 0.5	446	< 0.5	1,570	< 0.01	838	< 0.01	< 0.1	< 10	0.146	< 1	< 3
	QUL-18-30M	2014 08 13	28.5	< 0.1	0.13	5.54	< 0.1	< 0.5	< 10	< 0.01	17,800	< 0.5	< 0.1	0.92	< 30	< 0.05	0.96	2,030	1.85	< 0.05	0.287	< 0.5	487	< 0.5	1,720	< 0.01	933	< 0.01	< 0.1	< 10	0.163	< 1	< 3
	QUL-18	2014 08 14	15.5	< 0.1	0.11	5.23	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	0.56	< 30	< 0.05	0.63	1,890	1.04	-	0.307	< 0.5	473	< 0.5	1,590	< 0.01	823	< 0.01	< 0.1	< 10	0.135	< 1	< 3
	QUL-18	2014 08 15	15.7	< 0.1	0.15	5.42	< 0.1	< 0.5	< 10	< 0.01	15,900	< 0.5	< 0.1	0.58	< 30	< 0.05	< 0.5	1,850	1.28	-	0.347	< 0.5	469	< 0.5	1,590	< 0.01	829	< 0.01	< 0.1	< 10	0.133	< 1	< 3
	QUL-18-0M	2014 08 16	19.6	< 0.1	0.13	5.6	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	< 0.1	0.74	< 30	< 0.05	< 0.5	1,900	1.66	-	0.34	< 0.5	485	< 0.5	1,570	< 0.01	839	< 0.01	< 0.1	< 10	0.137	< 1	< 3
	QUL-18-10M	2014 08 16	68.7	< 0.1	0.12	6	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	**2.14**	48	< 0.05	< 0.5	1,860	2.5	-	0.291	< 0.5	484	< 0.5	1,600	< 0.01	855	< 0.01	< 0.1	< 10	0.147	< 1	< 3
	QUL-18-30M	2014 08 16	***171***	0.11	0.16	8.06	< 0.1	< 0.5	< 10	< 0.01	18,300	< 0.5	0.11	**5**	149	0.087	< 0.5	2,130	9.05	-	0.358	< 0.5	524	< 0.5	2,040	< 0.01	977	< 0.01	< 0.1	11	0.161	< 1	< 3
	QUL-18	2014 08 19	15.3	< 0.1	0.13	5.53	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.64	< 30	< 0.05	1.05	1,920	1.29	-	0.323	< 0.5	488	< 0.5	1,570	< 0.01	849	< 0.01	< 0.1	< 10	0.14	< 1	< 3
	QUL18	2014 08 25	49	< 0.1	0.12	6.06	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	1.96	38	< 0.05	< 0.5	1,910	2.25	-	0.311	< 0.5	481	< 0.5	1,600	< 0.01	858	< 0.01	< 0.1	< 10	0.146	< 1	< 3
	QUL-18	2014 08 26	30.4	< 0.1	0.12	5.49	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	1.24	< 30	< 0.05	0.5	1,900	1.92	< 0.01	0.325	< 0.5	458	< 0.5	1,560	< 0.01	812	< 0.01	< 0.1	< 10	0.138	< 1	< 3
	QUL-18X	2014 08 26	28.3	< 0.1	0.12	5.56	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	1.23	< 30	< 0.05	< 0.5	1,940	1.74	< 0.01	0.287	< 0.5	464	< 0.5	1,580	< 0.01	827	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QA/QC RPD %		7	*	*	1	*	*	*	*	2	*	*	*	*	*	*	2	*	*	12	*	1	*	1	*	2	*	*	*	2	*	*

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical Parameters									Total Inorganics												
			Hardness (mg/L)	pH (field) (pH)	pH (pH)	Temperature (field) (C)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)	Total Kjeldahl Nitrogen (N) (mg/L)	Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Bromide (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus[g] (mg/L)
BC Guidelines																								
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	6.5-9.0		Change of 8	n/a	n/a	Change of 25	n/a	n/a	n/a	5,680-18,400[d]	32,800	60-600[d]	32,800[f]	600	988.2-1742[d]	n/a	n/a	n/a	n/a	0.005-0.015
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	+/-1 Degree change from ambient	Change of 2	n/a	n/a	Change of 5	+20% of median background	n/a	n/a	1,090-1,770[d]	3,000	20-200[d]	3,000[f]	150	n/a	128-429[d]	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	6.5-8.5	n/a[i]	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,000	500	n/a	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	6.5-8.5	n/a[i]	n/a[i]	n/a	500	n/a	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a	n/a
QUL-18	QUL-18	2014 08 27	49.6	7.95	7.99	18.7	0.32	98.4	69	< 3	2.11	-	0.122	< 5	46.2	< 1	-	< 0.5	34	5.75	44.6	-	< 0.001	**0.0021**
	QUL-18	2014 08 28	49	8.15	7.94	19.5	0.31	97.1	72	< 3	2.28	-	0.133	< 5	46.2	< 1	-	< 0.5	35	5.76	45.1	-	< 0.001	< 0.002[a]
	QUL-18	2014 08 30	49.8	-	7.95	-	0.66	97.8	55	< 3	2.11	-	0.2	5.4	55	< 1	-	< 0.5	43	5.81	44.5	-	< 0.001	< 0.002[a]
	QUL-18	2014 09 02	50	7.95	8	17.86	0.24	96.5	72	< 3	1.99	-	0.118	6.6	42.7	< 1	-	< 0.5	32	5.75	44.5	-	< 0.001	0.0028
	QUL-18	2014 09 03	49.9	8.03	7.97	17.8	0.36	98.3	66	< 3	2.03	-	0.113	5.5	41.6	< 1	-	< 0.5	32	5.71	45.2	-	< 0.001	0.0021
	QUL-18	2014 09 04	50.1	7.96	7.93	17.83	0.35	99.6	56	< 3	2.16	-	0.124	< 5	43.1	< 1	-	< 0.5	33	5.71	46.2	-	< 0.001	< 0.002[a]
	QUL-18X	2014 09 04	49.7	7.96	7.93	17.83	0.36	99.7	57	< 3	2.02	-	0.115	< 5	43.1	< 1	-	< 0.5	33	5.74	46.1	-	< 0.001	< 0.002[a]
	QA/QC RPD %		< 1	0	0	0	*	< 1	2	*	*	-	*	*	0	*	-	*	*	< 1	< 1	-	*	*
	QUL-18	2014 09 05	49.3	-	7.85	-	0.5	99.4	64	< 3	1.92	-	0.124	5.2	42.6	< 1	-	< 0.5	32	5.76	45.6	-	< 0.001	< 0.002[a]
	QUL-18	2014 09 06	49.4	8.12	7.96	19.96	0.41	98.4	61	< 3	1.78	-	0.123	< 5	42	< 1	-	< 0.5	32	5.79	47	-	< 0.001	< 0.002[a]
	QUL-18	2014 09 07	49.1	8.03	7.95	17.7	0.35	98.8	61	< 3	1.88	-	0.104	< 5	55.2	< 1	-	< 0.5	31	5.82	47.1	-	< 0.001	< 0.002[a]
	QUL-18	2014 09 08	50.4	8.24	7.97	19.1	0.62	97.9	58	< 3	1.84	-	0.115	< 5	41.1	< 1	-	< 0.5	32	5.81	46.8	-	< 0.001	**0.0023**
	QUL-18	2014 09 10	50.1	7.84	7.91	11.1	1.15	103	62	< 3	1.85	-	0.151	< 5	101	< 1	-	< 0.5	35	5.97	48.5	-	< 0.001	< 0.002[a]
	QUL-18	2014 09 11	51.9	7.86	7.92	12.6	1.63	103	66	7.9	1.88	-	0.139	< 5	85.9	< 1	-	< 0.5	35	6.07	49.6	-	< 0.001	< 0.002[a]
	QUL-18	2014 09 12	51.4	7.86	7.82	12.9	0.85	101	64	< 3	2.03	-	0.151	< 5	73.1	< 1	-	< 0.5	30	6.01	47	-	< 0.001	< 0.002[a]
	QUL-18	2014 09 13	50.9	7.95	7.79	15.1	0.35	102	63	< 3	1.69	-	0.127	< 5	67.1	< 1	-	< 0.5	33	5.99	47.6	-	0.0013	**0.0022**
	QUL-18	2014 09 14	50.8	7.84	7.78	14.8	0.35	100	66	< 3	1.55	-	0.129	< 5	63.8	< 1	-	< 0.5	34	5.97	47.3	-	< 0.001	< 0.002[a]
	QUL-18	2014 09 15	50	8	7.95	10.2	0.47	101	64	20.6	1.77	-	0.128	< 5	66.6	< 1	-	< 0.5	33	6.06	48.8	-	< 0.001	< 0.002[a]
	QUL-18	2014 09 16	51.8	8.01	7.96	15.5	0.3	101	65	< 3	1.75	-	0.135	< 5	60	< 1	-	< 0.5	34	6.04	48.3	-	< 0.001	< 0.002[a]
	QUL-18-0M	2014 09 17	50.3	8.1	7.84	14.9	0.27	100	64	< 3	1.71	-	0.112	< 5	58.1	< 1	-	< 0.5	35	5.99	47.3	-	< 0.001	< 0.002[a]
	QUL-18	2014 09 18	51.6	7.91	8	15.4	0.24	99.5	67	< 3	1.77	-	0.118	< 5	56.8	< 1	-	< 0.5	32	6.04	47.9	-	< 0.001	< 0.002[a]
	QUL-18	2014 09 19	51.1	8.01	7.94	15.9	0.29	99	59	< 3	1.58	-	0.123	< 5	57.8	< 1	-	< 0.5	34	6.03	48	-	< 0.001	< 0.002[a]
	QUL-18	2014 09 20	48.5	8.09	7.95	15.2	0.44	101	62	< 3	1.59	-	0.123	< 5	55.8	< 1	-	< 0.5	33	6.04	48.3	-	< 0.001	< 0.002[a]
	QUL-18	2014 09 22	47.8	8.03	7.79	15.23	0.51	101	62	< 3	1.49	-	0.131	< 5	55.2	< 1	-	< 0.5	33	6.02	46.9	-	< 0.001	< 0.002[a]
	QUL-18	2014 09 23	51.5	7.55	7.95	15.04	0.45	101	62	< 3	1.94	-	0.131	< 5	54.6	< 1	-	< 0.5	32	6.05	50.1	-	< 0.001	< 0.002[a]
QUL-19	QUL-19	2014 08 08	48.4	8.10	7.99	18.7	0.37	95.3	61	< 3	2.08	-	0.122	< 5	49.6	< 1	-	< 0.5	34	5.51	43.8	-	< 0.001	< 0.002[a]
	QUL-19	2014 08 09	48.5	7.93	7.9	17.9	0.34	95.5	67	< 3	2.25	-	0.126	< 5	57.1	< 1	-	< 0.5	35	5.5	42.6	-	< 0.001	< 0.002[a]
	QUL-19	2014 08 10	48.2	7.87	7.92	20.7	0.42	95.7	65	< 3	2.3	-	0.126	< 5	43.4	< 1	-	< 0.5	35	5.63	45.3	-	< 0.001	< 0.002[a]
	QUL-19	2014 08 11	46.3	7.99	7.93	19.5	0.34	97.1	68	< 3	2.2	-	0.13	< 5	45.6	< 1	-	< 0.5	34	5.63	43.8	-	< 0.001	**0.0026**
	QUL-19X	2014 08 11	46.1	7.99	7.93	19.5	0.38	97	67	< 3	2.35	-	0.126	< 5	47.5	< 1	-	< 0.5	33	5.62	44	-	< 0.001	**0.0025**
	QA/QC RPD %		< 1	0	0	0	*	< 1	1	*	*	-	*	*	4	*	-	*	*	< 1	< 1	-	*	*
	QUL-19	2014 08 12	47.8	8.01	7.97	21.4	0.35	96	59	< 3	1.66	-	0.112	< 5	54.6	< 1	-	< 0.5	35	5.72	44.4	-	< 0.001	< 0.002[a]
	QUL-19	2014 08 13	47.5	-	7.99	20.9	0.38	98.5	54	< 3	2.03	-	0.117	< 5	49.1	< 1	-	< 0.5	32	5.6	44.5	-	< 0.001	< 0.002[a]
	QUL-19	2014 08 14	49.4	8.15	7.96	22.0	0.25	98.3	67	< 3	1.87	-	0.116	< 5	48.9	< 1	-	< 0.5	35	5.69	44.4	-	< 0.001	< 0.002[a]
	QUL-19	2014 08 15	48.8	8.12	7.99	21.1	0.21	97.1	62	< 3	1.84	-	0.102	< 5	47.7	< 1	-	< 0.5	35	5.65	43.8	-	< 0.001	< 0.002[a]
	QUL-19	2014 08 16	48.8	8.10	7.95	20.5	0.28	93.4	63	< 3	2.07	-	0.105	< 5	42.4	< 1	-	< 0.5	35	5.67	43.5	-	< 0.001	< 0.002[a]
	QUL-19	2014 08 17	49.1	7.79	7.97	20.6	0.38	98.8	62	< 3	2.48	-	0.117	< 5	31.5	< 1	-	< 0.5	35	5.79	45	-	< 0.001	< 0.002[a]
	QUL-19X	2014 08 17	48.7	7.79	7.99	20.6	0.39	98.6	67	< 3	2.47	-	0.12	< 5	31.2	< 1	-	< 0.5	35	5.81	44.2	-	< 0.001	< 0.002[a]
	QA/QC RPD %		< 1	0	< 1	0	*	< 1	8	*	*	-	*	*	< 1	*	-	*	*	< 1	2	-	*	*
	QUL-19	2014 08 19	48.6	7.08	7.85	19.8	0.3	96.4	67	< 3	2.01	-	0.112	< 5	41.6	< 1	-	< 0.5	33	5.59	50.4	-	0.0011	**0.0024**
	QUL-19	2014 08 21	49.7	8.35	7.9	18.8	0.39	96	62	< 3	2.04	-	0.12	< 5	45.9	< 1	-	< 0.5	35	5.64	43.7	-	< 0.001	< 0.002[a]
	QUL-19-0M	2014 08 27	49.8	7.96	7.9	19.0	0.27	97.6	70	< 3	1.91	-	0.172	< 5	45.9	< 1	-	< 0.5	33	5.78	44.1	-	0.0011	< 0.002[a]
	QUL-19-35M	2014 08 27	53.9	7.46	7.95	5.1	3.23	106	68	< 3	1.94	-	0.184	< 5	124	< 1	-	< 0.5	36	6.44	48.2	-	0.0011	< 0.002[a]
	QUL-19-55M	2014 08 27	53.9	7.35	7.93	4.0	0.49	108	67	< 3	1.9	-	0.174	< 5	145	< 1	-	< 0.5	36	6.31	48.9	-	0.0015	**0.0021**

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

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* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																												
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																															
BCWQG Aquatic Life (AW)[b,c]			30-100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50-1000[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
QUL-18	QUL-18	2014 08 27	10.4	16.7	< 30	1.93	0.408	0.463	0.857	< 0.1	0.11	5.24	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.68	-	0.277	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.135	< 1	< 3
	QUL-18	2014 08 28	9.1	16.5	< 30	1.92	0.508	0.444	0.804	< 0.1	0.11	5.45	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.53	< 0.05	< 0.5	-	0.291	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.141	< 1	< 3
	QUL-18	2014 08 30	9.3	16.7	< 30	1.96	0.677	0.491	0.835	< 0.1	0.12	5.43	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.76	< 0.05	< 0.5	-	0.277	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
	QUL-18	2014 09 02	10.1	16.8	< 30	1.93	0.267	0.474	0.834	< 0.1	0.1	5.33	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.58	< 0.05	0.66	-	0.296	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.139	< 1	< 3
	QUL-18	2014 09 03	9.9	16.8	< 30	1.92	0.314	0.465	0.843	< 0.1	< 0.1	5.39	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.58	< 0.05	0.61	-	0.291	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
	QUL-18	2014 09 04	9.4	16.8	< 30	1.94	0.477	0.437	0.788	< 0.1	< 0.1	5.51	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.71	< 0.05	0.67	-	0.311	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.135	< 1	< 3
	QUL-18X	2014 09 04	9.3	16.7	< 30	1.93	0.507	0.451	0.802	< 0.1	0.11	5.32	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.66	< 0.05	0.72	-	0.295	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.129	< 1	< 3
	QA/QC RPD %		*	< 1	*	< 1	6	3	2	*	*	4	*	*	*	*	*	*	*	*	-	5	*	*	*	*	*	5	*	*
	QUL-18	2014 09 05	9.6	16.6	< 30	1.93	0.383	0.463	0.825	< 0.1	0.11	5.37	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.67	< 0.05	0.98	-	0.291	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
	QUL-18	2014 09 06	9.9	16.6	< 30	1.91	0.551	0.469	0.817	< 0.1	0.1	5.36	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.77	< 0.05	0.78	-	0.274	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
	QUL-18	2014 09 07	9.4	16.5	< 30	1.92	0.365	0.462	0.829	< 0.1	< 0.1	5.34	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.52	< 0.05	0.75	-	0.298	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.141	< 1	< 3
	QUL-18	2014 09 08	18.5	17	< 30	1.92	0.331	0.474	0.842	< 0.1	0.12	5.44	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.79	< 0.05	0.55	-	0.295	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
	QUL-18	2014 09 10	7.9	16.9	< 30	1.89	0.698	0.467	0.887	< 0.1	< 0.1	5.92	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.34	< 0.05	0.78	-	0.302	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.146	< 1	< 3
	QUL-18	2014 09 11	10.5	17.5	< 30	1.98	1.3	0.464	0.867	< 0.1	0.1	5.97	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.45	< 0.05	< 0.5	-	0.454	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.144	< 1	< 3
	QUL-18	2014 09 12	7.9	17.3	< 30	1.98	0.323	0.454	0.852	< 0.1	0.11	5.11	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.82	< 0.05	0.78	-	0.283	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.134	< 1	< 3
	QUL-18	2014 09 13	8.5	17.2	< 30	1.93	0.429	0.45	0.82	< 0.1	< 0.1	5.12	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.56	< 0.05	0.58	-	0.256	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.141	< 1	< 3
	QUL-18	2014 09 14	9.3	17.2	< 30	1.93	0.247	0.451	0.779	< 0.1	< 0.1	4.92	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.79	-	0.244	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.143	< 1	< 3
	QUL-18	2014 09 15	8.5	16.9	< 30	1.91	0.467	0.463	0.816	< 0.1	0.11	5.2	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.63	< 0.05	0.82	-	0.297	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
	QUL-18	2014 09 16	9.3	17.6	< 30	1.92	0.257	0.436	0.758	< 0.1	< 0.1	4.74	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.75	-	0.232	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.141	< 1	< 3
	QUL-18-0M	2014 09 17	9.2	17.2	< 30	1.81	0.147	0.458	0.82	< 0.1	< 0.1	4.76	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.75	-	0.231	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.144	< 1	< 3
	QUL-18	2014 09 18	8.9	17.5	< 30	1.91	0.19	0.427	0.775	< 0.1	< 0.1	4.6	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.76	-	0.22	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.145	< 1	< 3
	QUL-18	2014 09 19	10.3	17.4	< 30	1.88	0.216	0.438	0.779	< 0.1	< 0.1	4.78	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.73	-	0.233	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.149	< 1	< 3
	QUL-18	2014 09 20	9.4	16.5	< 30	1.76	0.184	0.427	0.757	< 0.1	< 0.1	4.9	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.75	-	0.239	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.146	< 1	< 3
	QUL-18	2014 09 22	9	16.3	< 30	1.73	0.294	0.431	0.783	< 0.1	< 0.1	4.96	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.62	-	0.25	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.153	< 1	< 3
	QUL-18	2014 09 23	8.6	17.5	< 30	1.89	0.192	0.451	0.789	< 0.1	< 0.1	4.74	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.52	< 0.05	1.05	-	0.243	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.151	< 1	< 3
QUL-19	QUL-19	2014 08 08	10.7	16.1	< 30	1.98	0.819	0.488	0.877	< 0.1	0.13	5.89	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.346	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.116	< 1	< 3
	QUL-19	2014 08 09	10.1	16.3	< 30	1.88	0.443	0.472	0.828	< 0.1	< 0.1	5.26	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.54	-	0.318	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.138	< 1	< 3
	QUL-19	2014 08 10	11.2	16	< 30	2	1.66	0.524	0.944	< 0.1	0.17	6.17	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.55	< 0.05	< 0.5	-	0.394	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.122	< 1	< 3
	QUL-19	2014 08 11	12	15.4	< 30	1.87	0.745	0.496	0.871	< 0.1	0.12	5.69	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.96	-	0.328	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.123	< 1	< 3
	QUL-19X	2014 08 11	10.7	15.4	< 30	1.89	0.938	0.516	0.906	< 0.1	0.12	5.83	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.5	< 0.05	1.02	-	0.353	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.123	< 1	< 3
	QA/QC RPD %		*	0	*	1	23	4	4	*	*	2	*	*	*	*	*	*	*	*	-	7	*	*	*	*	*	0	*	*
	QUL-19	2014 08 12	9.7	16.2	< 30	1.8	0.17	0.439	0.783	< 0.1	< 0.1	4.85	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.86	-	0.243	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.145	< 1	< 3
	QUL-19	2014 08 13	9.6	16	< 30	1.83	0.098	0.436	0.789	< 0.1	< 0.1	4.79	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	1.01	-	0.282	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.142	< 1	< 3
	QUL-19	2014 08 14	12	16.7	< 30	1.86	0.381	0.445	0.783	< 0.1	< 0.1	4.98	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.73	-	0.259	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.135	< 1	< 3
	QUL-19	2014 08 15	10	16.5	< 30	1.86	0.367	0.463	0.798	< 0.1	< 0.1	5.31	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.285	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.138	< 1	< 3
	QUL-19	2014 08 16	9.9	16.3	< 30	1.94	0.442	0.464	0.826	< 0.1	0.11	5.54	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.76	-	0.318	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
	QUL-19	2014 08 17	8.9	16.2	< 30	2.12	0.987	0.507	0.945	< 0.1	0.15	6.33	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.55	-	0.43	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.121	< 1	< 3
	QUL-19X	2014 08 17	9.6	16	< 30	2.09	0.977	0.522	0.955	< 0.1	0.17	6.45	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.441	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.125	< 1	< 3
	QA/QC RPD %		*	1	*	1	1	3	1	*	*	2	*	*	*	*	*	*	*	*	-	3	*	*	*	*	*	3	*	*
	QUL-19	2014 08 19	10.2	16.3	< 30	1.92	0.322	0.477	0.843	< 0.1	0.11	5.4	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.52	< 0.05	0.71	-	0.308	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
	QUL-19	2014 08 21	9.3	16.7	< 30	1.92	0.344	0.454	0.814	< 0.1	0.11	5.2	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.83	-	0.292	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.139	< 1	< 3
	QUL-19-0M	2014 08 27	9.7	16.8	< 30	1.89	0.218	0.437	0.811	< 0.1	< 0.1	4.92	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.75	-	0.244	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.139	< 1	< 3
	QUL-19-35M	2014 08 27	6.1	18.2	< 30	2.05	3.23	0.479	0.988	< 0.1	0.1	5.55	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.91	< 0.05	0.84	-	0.389	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.167	< 1	< 3
	QUL-19-55M	2014 08 27	4.8	18.2	< 30	2.06	0.342	0.459	0.924	< 0.1	< 0.1	5.04	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.91	-	0.254	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.156	< 1	< 3

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Metals																														
			Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bismuth (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Magnesium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Potassium (µg/L)	Selenium (µg/L)	Silicon (µg/L)	Silver (µg/L)	Sodium (µg/L)	Thallium (µg/L)	Tin (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																																	
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.016-0.079[d]	n/a	1 (Cr(+6))	110	6.0-27.9[d]	1,000	27.3-297.3[d]	870	n/a	1001-3582[d]	Methyl mercury analysis in progress	2,000	25-150[d]	373,000-432,000	2	n/a	0.1-3.0[d]	n/a	0.3	n/a	2,000	300	6	33-172.5[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	2-11[d]	n/a	4.4-14.9[d]	14[i]	n/a	791.1-1819[d]		1,000	n/a	n/a	n/a	n/a	0.05-1.5[d]	n/a	n/a	n/a	n/a	n/a	n/a	7.5-147[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	n/a	2	n/a	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	n/a	50	1	n/a	n/a	n/a	10	n/a	n/a	200,000	n/a	n/a	n/a	20	n/a	5,000
QUL-18	QUL-18	2014 08 27	16.2	< 0.1	0.12	5.46	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	0.61	< 30	< 0.05	0.7	1,910	1.21	< 0.01	0.295	< 0.5	467	< 0.5	1,510	< 0.01	868	< 0.01	< 0.1	< 10	0.143	< 1	< 3
	QUL-18	2014 08 28	20.7	< 0.1	0.14	5.67	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	1.15	< 30	< 0.05	< 0.5	1,940	1.29	< 0.01	0.314	< 0.5	475	< 0.5	1,540	< 0.01	848	< 0.01	< 0.1	< 10	0.144	< 1	< 3
	QUL-18	2014 08 30	22.7	< 0.1	0.15	5.53	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	1.02	< 30	< 0.05	< 0.5	1,930	1.71	< 0.01	0.295	< 0.5	479	< 0.5	1,510	< 0.01	852	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QUL-18	2014 09 02	16.5	< 0.1	0.12	5.42	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	0.68	< 30	< 0.05	0.76	1,910	1.08	< 0.01	0.3	< 0.5	456	< 0.5	1,480	< 0.01	817	< 0.01	< 0.1	< 10	0.143	< 1	< 3
	QUL-18	2014 09 03	17.7	< 0.1	0.12	5.55	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	0.78	< 30	< 0.05	0.53	1,920	1.08	< 0.01	0.305	< 0.5	472	< 0.5	1,530	< 0.01	863	< 0.01	< 0.1	< 10	0.143	< 1	< 3
	QUL-18	2014 09 04	23.9	< 0.1	0.15	5.88	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	1.15	< 30	< 0.05	0.61	1,980	1.87	-	0.321	< 0.5	467	< 0.5	1,590	< 0.01	837	< 0.01	< 0.1	< 10	0.15	< 1	< 3
	QUL-18X	2014 09 04	20.5	< 0.1	0.14	5.75	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	1.16	< 30	< 0.05	0.6	1,910	1.21	-	0.309	< 0.5	458	< 0.5	1,530	< 0.01	818	< 0.01	< 0.1	< 10	0.137	< 1	< 3
	QA/QC RPD %		15	*	*	2	*	*	*	*	4	*	*	*	*	*	*	4	*	-	4	*	2	*	4	*	2	*	*	*	9	*	*
	QUL-18	2014 09 05	35.9	< 0.1	0.15	5.88	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	1.37	33	< 0.05	1.23	1,970	1.77	-	0.333	< 0.5	486	< 0.5	1,610	< 0.01	865	< 0.01	< 0.1	< 10	0.148	< 1	< 3
	QUL-18	2014 09 06	22.7	< 0.1	0.13	5.19	< 0.1	< 0.5	< 10	< 0.01	15,700	< 0.5	< 0.1	1.35	< 30	< 0.05	0.74	1,820	1.25	-	0.345	0.56	447	< 0.5	1,470	< 0.01	797	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUL-18	2014 09 07	20.5	< 0.1	0.12	5.6	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	0.83	< 30	< 0.05	0.73	1,980	1.37	-	0.334	< 0.5	474	< 0.5	1,550	< 0.01	860	< 0.01	< 0.1	< 10	0.156	< 1	< 3
	QUL-18	2014 09 08	30.4	< 0.1	0.13	5.68	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	1.25	< 30	< 0.05	< 0.5	1,910	1.69	-	0.31	< 0.5	469	< 0.5	1,510	< 0.01	834	< 0.01	< 0.1	< 10	0.145	< 1	< 3
	QUL-18	2014 09 10	64.5	< 0.1	0.14	6.43	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	**2.53**	66	< 0.05	0.9	1,910	3.3	-	0.327	< 0.5	483	< 0.5	1,690	< 0.01	886	< 0.01	< 0.1	< 10	0.16	< 1	< 3
	QUL-18	2014 09 11	66.7	< 0.1	0.13	6.61	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	**2.78**	73	0.052	< 0.5	1,970	3.71	-	0.326	< 0.5	470	< 0.5	1,690	< 0.01	855	< 0.01	< 0.1	< 10	0.155	< 1	< 3
	QUL-18	2014 09 12	54.4	< 0.1	0.12	5.82	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	1.71	47	< 0.05	0.9	1,990	2.44	-	0.305	< 0.5	463	< 0.5	1,620	< 0.01	860	< 0.01	0.16	< 10	0.142	< 1	< 3
	QUL-18	2014 09 13	24.5	< 0.1	0.11	5.22	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	0.88	< 30	< 0.05	< 0.5	1,960	1.26	-	0.304	< 0.5	460	< 0.5	1,510	< 0.01	825	< 0.01	< 0.1	< 10	0.152	< 1	< 3
	QUL-18	2014 09 14	18.4	< 0.1	< 0.1	4.95	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	0.81	< 30	< 0.05	0.88	1,930	0.874	-	0.278	< 0.5	452	< 0.5	1,440	< 0.01	797	< 0.01	< 0.1	< 10	0.151	< 1	< 3
	QUL-18	2014 09 15	26.5	< 0.1	0.12	5.5	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	0.98	< 30	< 0.05	0.87	1,940	1.25	-	0.316	< 0.5	477	< 0.5	1,520	< 0.01	857	< 0.01	< 0.1	< 10	0.144	< 1	< 3
	QUL-18	2014 09 16	16	< 0.1	< 0.1	4.75	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	0.55	< 30	< 0.05	0.8	1,900	0.705	-	0.262	< 0.5	443	< 0.5	1,400	< 0.01	766	< 0.01	< 0.1	< 10	0.148	< 1	< 3
	QUL-18-0M	2014 09 17	17.3	< 0.1	< 0.1	4.9	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	0.55	< 30	< 0.05	0.7	1,830	0.75	-	0.289	< 0.5	481	< 0.5	1,420	< 0.01	858	< 0.01	< 0.1	< 10	0.152	< 1	< 3
	QUL-18	2014 09 18	14	< 0.1	< 0.1	4.73	< 0.1	< 0.5	< 10	< 0.01	17,400	< 0.5	< 0.1	0.77	< 30	< 0.05	0.72	1,900	0.691	-	0.246	< 0.5	433	< 0.5	1,400	< 0.01	783	< 0.01	< 0.1	< 10	0.157	< 1	< 3
	QUL-18	2014 09 19	< 15	< 0.1	< 0.1	4.92	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	0.57	< 30	< 0.05	0.7	1,880	0.683	-	0.264	< 0.5	458	< 0.5	1,410	< 0.01	850	< 0.01	< 0.1	< 10	0.161	< 1	< 3
	QUL-18	2014 09 20	16.8	< 0.1	< 0.1	4.86	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	0.61	< 30	< 0.05	0.69	1,750	0.811	-	0.298	< 0.5	436	< 0.5	1,360	< 0.01	773	< 0.01	< 0.1	< 10	0.155	< 1	< 3
	QUL-18	2014 09 22	24.8	< 0.1	0.11	5.08	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	0.8	< 30	< 0.05	0.75	1,770	1.19	-	0.261	< 0.5	430	< 0.5	1,390	< 0.01	806	< 0.01	< 0.1	< 10	0.158	< 1	< 3
	QUL-18	2014 09 23	22.1	< 0.1	0.13	5.06	< 0.1	< 0.5	< 10	< 0.01	17,600	< 0.5	< 0.1	0.84	< 30	< 0.05	1.07	1,970	1.16	-	0.313	< 0.5	516	< 0.5	1,470	< 0.01	869	< 0.01	< 0.1	< 10	0.162	< 1	< 3
QUL-19	QUL-19	2014 08 08	19.9	< 0.1	0.15	5.79	< 0.1	< 0.5	< 10	< 0.01	15,600	< 0.5	< 0.1	0.6	33	< 0.05	< 0.5	1,950	2.49	< 0.05	0.373	< 0.5	479	< 0.5	1,680	< 0.01	867	< 0.01	< 0.1	< 10	0.121	< 1	< 3
	QUL-19	2014 08 09	20	< 0.1	0.11	5.48	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	0.66	< 30	< 0.05	< 0.5	1,910	1.27	< 0.05	0.307	< 0.5	481	< 0.5	1,580	< 0.01	834	< 0.01	< 0.1	< 10	0.138	< 1	< 3
	QUL-19	2014 08 10	18.7	< 0.1	0.16	6.21	< 0.1	< 0.5	< 10	< 0.01	15,800	< 0.5	< 0.1	0.63	31	< 0.05	< 0.5	1,980	2.84	< 0.05	0.426	< 0.5	519	< 0.5	1,770	< 0.01	948	< 0.01	< 0.1	< 10	0.125	< 1	< 3
	QUL-19	2014 08 11	17.9	< 0.1	0.15	5.85	< 0.1	< 0.5	< 10	< 0.01	15,800	< 0.5	< 0.1	0.6	< 30	< 0.05	0.82	1,940	1.79	< 0.05	0.36	< 0.5	504	< 0.5	1,630	< 0.01	885	< 0.01	< 0.1	< 10	0.133	< 1	< 3
	QUL-19X	2014 08 11	19	< 0.1	0.17	6.1	< 0.1	< 0.5	< 10	< 0.01	15,600	< 0.5	< 0.1	0.76	< 30	< 0.05	0.83	1,960	2.2	< 0.05	0.419	< 0.5	543	< 0.5	1,670	< 0.01	934	< 0.01	< 0.1	< 10	0.131	< 1	< 3
	QA/QC RPD %		6	*	*	4	*	*	*	*	1	*	*	*	*	*	*	1	*	*	15	*	7	*	2	*	5	*	*	*	2	*	*
	QUL-19	2014 08 12	15.2	< 0.1	< 0.1	4.9	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	< 0.5	< 30	< 0.05	0.82	1,870	0.81	< 0.05	0.253	< 0.5	437	< 0.5	1,460	< 0.01	787	< 0.01	< 0.1	< 10	0.147	< 1	< 3
	QUL-19	2014 08 13	13.5	< 0.1	0.11	5.14	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	< 0.5	< 30	< 0.05	0.9	1,930	0.823	< 0.05	0.287	< 0.5	455	< 0.5	1,530	< 0.01	824	< 0.01	< 0.1	< 10	0.153	< 1	< 3
	QUL-19	2014 08 14	13.6	< 0.1	< 0.1	4.96	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	< 0.5	< 30	< 0.05	0.68	1,850	0.81	-	0.282	< 0.5	447	< 0.5	1,510	< 0.01	807	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUL-19	2014 08 15	13.5	< 0.1	0.12	5.28	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	1,870	1.03	-	0.296	< 0.5	451	< 0.5	1,540	< 0.01	796	< 0.01	< 0.1	< 10	0.144	< 1	< 3
	QUL-19	2014 08 16	15.3	< 0.1	0.13	5.58	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	0.59	< 30	< 0.05	< 0.5	1,930	1.68	-	0.345	< 0.5	476	< 0.5	1,590	< 0.01	840	< 0.01	< 0.1	< 10	0.14	< 1	< 3
	QUL-19	2014 08 17	17.5	< 0.1	0.18	6.58	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	< 0.1	< 1	34	< 0.05	0.67	2,120	3.97	-	0.458	< 0.5	529	< 0.5	1,790	< 0.01	977	< 0.01	< 0.1	< 10	0.131	< 1	< 3
	QUL-19X	2014 08 17	18.5	< 0.1	0.2	6.59	< 0.1	< 0.5	< 10	< 0.01	15,800	< 0.5	< 0.1	< 1	35	< 0.05	< 0.5	2,060	4.02	-	0.47	< 0.5	532	< 0.5	1,760	< 0.01	978	< 0.01	< 0.1	< 10	0.136	< 1	< 3
	QA/QC RPD %		6	*	*	< 1	*	*	*	*	1	*	*	*	*	*	*	3	*	-	3	*	< 1	*	2	*	< 1	*	*	*	4	*	*
	QUL-19	2014 08 19	14	< 0.1	0.13	5.54	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	0.57	< 30	< 0.05	1	1,930	1.44	-	0.333	< 0.5	486	< 0.5	1,570	< 0.01	875	< 0.01	< 0.1	< 10	0.139	< 1	< 3
	QUL-19	2014 08 21	22.1	< 0.1	0.12	5.26	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	0.73	< 30	< 0.05	0.67	1,880	1.34	-	0.299	< 0.5	467	< 0.5	1,500	< 0.01	826	< 0.01	< 0.1	< 10	0.146	< 1	< 3
	QUL-19-0M	2014 08 27	13.5	< 0.1	< 0.1	4.85	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	< 0.1	0.51	< 30	< 0.05	0.68	1,810	0.754	< 0.01	0.261	< 0.5	435	< 0.5	1,400	< 0.01	820	< 0.01	< 0.1	< 10	0.14	< 1	< 3
	QUL-19-35M	2014 08 27	***160***	< 0.1	0.16	8.07	< 0.1	< 0.5	< 10	< 0.01	17,800	< 0.5	< 0.1	**4.83**	102	0.06	0.83	2,060	7.5	< 0.01	0.411	< 0.5	521	< 0.5	1,970	< 0.01	1,010	< 0.01	< 0.1	< 10	0.178	< 1	< 3
	QUL-19-55M	2014 08 27	30.6	< 0.1	0.1	5.22	< 0.1	< 0.5	< 10	< 0.01	18,100	< 0.5	< 0.1	0.78	< 30	< 0.05	0.85	2,060	1.47	< 0.01	0.267	< 0.5	471	< 0.5	1,690	< 0.01	936	< 0.01	< 0.1	< 10	0.165	< 1	< 3

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

\- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical Parameters									Total Inorganics												
			Hardness (mg/L)	pH (field) (pH)	pH (pH)	Temperature (field) (C)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)	Total Kjeldahl Nitrogen (N) (mg/L)	Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Bromide (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus[g] (mg/L)
BC Guidelines																								
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	6.5-9.0		Change of 8	n/a	n/a	Change of 25	n/a	n/a	n/a	5,680-18,400[d]	32,800	60-600[d]	32,800[f]	600	988.2-1742[d]	n/a	n/a	n/a	n/a	0.005-0.015
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	+/-1 Degree change from ambient	Change of 2	n/a	n/a	Change of 5	+20% of median background	n/a	n/a	1,090-1,770[d]	3,000	20-200[d]	3,000[f]	150	n/a	128-429[d]	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	6.5-8.5	n/a[i]	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,000	500	n/a	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	6.5-8.5	n/a[i]	n/a[i]	n/a	500	n/a	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a	n/a
QUL-20	QUL-20	2014 08 08	52.5	7.76	7.95	8.1	0.43	104	68	< 3	2.04	-	0.164	< 5	123	< 1	-	< 0.5	35	5.88	47.7	-	< 0.001	< 0.002[a]
	QUL-20X	2014 08 08	52.7	7.76	7.96	-	0.45	104	69	< 3	1.89	-	0.174	< 5	123	< 1	-	< 0.5	35	5.9	48.5	-	< 0.001	< 0.002[a]
	QA/QC RPD %		< 1	0	< 1	*	*	0	1	*	*	-	*	*	0	*	-	*	*	< 1	2	-	*	*
	QUL-20	2014 08 09	50.8	7.73	7.84	11.0	0.46	100	69	< 3	2.14	-	0.174	< 5	104	< 1	-	< 0.5	34	5.77	45	-	< 0.001	< 0.002[a]
	QUL-20	2014 08 11	47.5	7.89	7.93	16.2	0.41	98.9	71	< 3	2.28	-	0.183	< 5	73	< 1	-	< 0.5	34	5.67	44.7	-	< 0.001	**0.0023**
	QUL-20	2014 08 12	47.6	8.00	7.9	17.0	0.26	97.2	68	< 3	1.83	-	0.144	< 5	65.7	< 1	-	< 0.5	33	5.64	44.2	-	< 0.001	< 0.002[a]
	QUL-20	2014 08 13	47.8	-	7.98	19.2	0.53	98.2	59	< 3	2.16	-	0.13	< 5	51.5	< 1	-	< 0.5	33	5.62	44.6	-	< 0.001	< 0.002[a]
	QUL-20	2014 08 14	49.3	8.06	7.96	19.3	0.26	99.1	70	< 3	2.17	-	0.139	< 5	49.4	< 1	-	< 0.5	36	5.63	44.4	-	< 0.001	< 0.002[a]
	QUL-20	2014 08 15	49.4	8.05	7.99	17.6	0.4	97.6	62	< 3	1.86	-	0.123	< 5	62	< 1	-	< 0.5	36	5.65	43.7	-	< 0.001	< 0.002[a]
	QUL-20X	2014 08 15	49.6	8.05	7.98	17.6	0.28	97.6	65	< 3	1.79	-	0.123	< 5	59.5	< 1	-	< 0.5	36	5.65	43.8	-	< 0.001	< 0.002[a]
	QA/QC RPD %		< 1	0	< 1	0	*	0	5	*	*	-	*	*	4	*	-	*	*	0	< 1	-	*	*
	QUL-20	2014 08 16	49	7.94	7.97	17.7	0.31	95.6	66	< 3	1.95	-	0.114	< 5	57.5	< 1	-	< 0.5	35	5.64	43.6	-	< 0.001	< 0.002[a]
	QUL-20	2014 08 17	47.5	7.79	7.97	17.9	0.37	97.2	63	< 3	2.5	-	0.144	< 5	58.6	< 1	-	< 0.5	34	5.65	44	-	< 0.001	< 0.002[a]
	QUL20	2014 08 22	50.4	7.80	7.86	13.6	1	98.2	69	< 3	2.51	-	0.162	< 5	81.4	< 1	-	< 0.5	34	5.78	44.4	-	< 0.001	< 0.002[a]
	QUL-20-0M	2014 08 23	50.5	7.73	7.8	14.3	0.84	99.6	62	< 3	2.18	-	0.184	5.6	84.3	< 1	-	< 0.5	35	5.75	44.8	-	< 0.001	< 0.002[a]
	QUL-20-10M	2014 08 23	50.6	7.48	7.88	13.7	1	102	65	< 3	2.13	-	0.162	< 5	86.5	< 1	-	< 0.5	35	5.76	45.6	-	0.0025	**0.0036**
	QUL-20-20M	2014 08 23	53.8	7.43	7.86	13.1	1.06	101	67	< 3	2.1	-	0.15	< 5	91.1	< 1	-	< 0.5	35	5.76	45.8	-	< 0.001	**0.0024**
	QUL-20	2014 08 26	50.5	7.57	7.98	16.7	0.63	97.1	71	< 3	2.2	-	0.17	< 5	63.5	< 1	-	< 0.5	37	5.82	44.8	-	< 0.001	**0.0021**
	QUL-20	2014 08 27	50.3	7.90	7.98	17.5	0.76	99.2	70	< 3	2.21	-	0.126	< 5	55.6	< 1	-	< 0.5	34	5.8	44.1	-	< 0.001	**0.0022**
	QUL-20	2014 08 27	50	7.90	7.93	17.5	0.87	101	69	< 3	1.94	-	0.145	< 5	64.2	< 1	-	< 0.5	35	5.84	45.2	-	0.0011	**0.0023**
	QUL-20	2014 08 28	50	8.12	7.92	17.9	0.71	98	55	< 3	2.19	-	0.145	5.3	51.8	< 1	-	< 0.5	34	5.78	45.8	-	< 0.001	**0.0024**
	QUL-20	2014 08 29	49.4	-	7.96	-	0.45	97.1	62	< 3	2.1	-	0.125	< 5	48.6	< 1	-	< 0.5	35	5.73	44.2	-	< 0.001	< 0.002[a]
	QUL-20	2014 08 30	49.1	8.10	7.94	17.6	0.58	97.6	60	< 3	1.99	-	0.134	5.6	49.7	< 1	-	< 0.5	34	5.69	44.5	-	< 0.001	< 0.002[a]
	QUL-20	2014 08 31	49.1	8.08	7.92	17.74	0.37	99.8	58	< 3		-	0.131	< 5	48.7	< 1	-	< 0.5	33	5.7	44.5	-	< 0.001	< 0.002[a]
	QUL-20	2014 09 02	50.6	7.82	7.97	17.74	0.49	96.7	70	< 3		-	0.151	7.1	43.4	< 1	-	< 0.5	32	5.74	45	-	< 0.001	**0.0024**
	QUL-20	2014 09 03	50.2	7.94	7.96	17.01	0.43	98.7	65	< 3	2.24	-	0.116	6.7	49.5	< 1	-	< 0.5	33	5.78	45.3	-	< 0.001	**0.0022**
	QUL-20	2014 09 04	50.8	8.08	7.94	15	0.57	101	60	< 3	2.15	-	0.141	6.5	66.4	< 1	-	< 0.5	34	5.81	46.8	-	< 0.001	< 0.002[a]
	QUL-20	2014 09 06	51.6	-	7.98	-	0.45	99.2	63	< 3	1.89	-	0.128	< 5	47.2	< 1	-	< 0.5	32	5.8	46.9	-	< 0.001	< 0.002[a]
	QUL-20	2014 09 07	50.1	8.07	7.97	17.4	0.58	98.5	61	< 3	1.86	-	0.121	< 5	45.6	< 1	-	< 0.5	32	5.8	47.1	-	0.0016	< 0.002[a]
	QUL-20	2014 09 08	50.5	8.07	8	16.7	0.66	97.7	59	< 3	1.92	-	0.11	< 5	45.3	< 1	-	< 0.5	32	5.81	47	-	< 0.001	**0.0025**
	QUL-20	2014 09 10	52.9	7.6	7.88	8.8	1.55	105	63	< 3	1.82	-	0.165	< 5	122	< 1	-	< 0.5	35	6.15	49.5	-	< 0.001	< 0.002[a]
	QUL-20	2014 09 11	54.2	7.95	7.92	6.4	2.14	107	68	3.9	1.98	-	0.174	< 5	139	< 1	-	< 0.5	36	6.52	50.5	-	< 0.001	< 0.002[a]
	QUL-20	2014 09 12	53.4	7.66	7.92	9.72	1.34	103	91	< 3	1.84	-	0.162	< 5	111	< 1	-	< 0.5	35	6.22	49.5	-	< 0.001	< 0.002[a]
	QUL-20	2014 09 13	52	7.9	7.79	11.8	1.07	104	63	5.5	1.73	-	0.16	< 5	88.2	< 1	-	< 0.5	35	6.08	47.8	-	< 0.001	**0.0023**
	QUL-20	2014 09 14	51.7	7.78	7.78	12.9	1.03	103	73	< 3	1.76	-	0.146	< 5	76	< 1	-	< 0.5	36	6.01	47.7	-	< 0.001	**0.0024**
	QUL-2OX	2014 09 14	51.9	7.78	7.78	12.9	1.05	103	64	< 3	2.08	-	0.148	< 5	76.8	< 1	-	< 0.5	36	6	47.4	-	0.0012	**0.0024**
	QA/QC RPD %		< 1	0	0	0	2	0	13	*	*	-	*	*	1	*	-	*	*	< 1	< 1	-	*	*
	QUL-20	2014 09 16	51.2	7.98	7.96	14.5	0.37	101	56	< 3	1.72	-	0.124	< 5	62.6	< 1	-	< 0.5	34	6	47.8	-	< 0.001	< 0.002[a]
	QUL-20-0M	2014 09 17	50.9	8.05	7.92	14.4	0.36	101	68	< 3	1.81	-	0.133	< 5	60.6	< 1	-	< 0.5	35	5.98	48.3	-	< 0.001	< 0.002[a]
	QUL-20	2014 09 09	51.4	7.92	7.9	13.8	1.14	101	67	< 3	1.97	-	0.138	< 5	66.6	< 1	-	< 0.5	33	5.92	48.2	-	< 0.001	**0.002**
	QUL-20	2014 09 18	52	7.93	7.99	14.4	0.43	101	64	< 3	1.84	-	0.126	< 5	59.6	< 1	-	< 0.5	32	6.03	47.7	-	< 0.001	< 0.002[a]
	QUL-20	2014 09 19	51.2	7.98	7.93	14.6	0.5	100	60	< 3	1.59	-	0.126	< 5	60.1	< 1	-	< 0.5	34	6.01	47	-	< 0.001	< 0.002[a]
	QUL-20	2014 09 20	48.5	8.11	7.96	15	0.44	102	63	< 3	1.57	-	0.124	< 5	57.2	< 1	-	< 0.5	35	6.03	48	-	< 0.001	< 0.002[a]
	QUL-20	2014 09 22	49	8.02	7.89	15.13	0.29	101	61	< 3	1.67	-	0.139	< 5	54.9	< 1	-	< 0.5	33	5.98	47.8	-	< 0.001	< 0.002[a]
	QUL-20	2014 09 23	51.3	8	7.94	15.2	0.43	101	68	< 3	1.94	-	0.123	< 5	55.3	< 1	-	< 0.5	31	6.05	55.7	-	< 0.001	< 0.002[a]

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																											
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																														
BCWQG Aquatic Life (AW)[b,c]			30-100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50-1000[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
QUL-20	QUL-20	2014 08 08	7.4	17.7	< 30	2.04	0.365	0.463	0.892	< 0.1	0.11	5.25	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.73	-	0.276	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.136	< 1	< 3
	QUL-20X	2014 08 08	7.5	17.7	< 30	2.04	0.339	0.466	0.892	< 0.1	< 0.1	5.14	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.68	-	0.263	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
	QA/QC RPD %		*	0	*	0	7	< 1	0	*	*	2	*	*	*	*	*	*	*	*	-	5	*	*	*	*	*	< 1	*	*
	QUL-20	2014 08 09	8.1	17.1	< 30	1.95	0.355	0.459	0.847	< 0.1	< 0.1	5.12	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.61	-	0.287	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.138	< 1	< 3
	QUL-20	2014 08 11	12.1	16	< 30	1.85	0.301	0.489	0.847	< 0.1	0.11	5.22	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.51	< 0.05	1.07	-	0.26	0.53	< 0.5	< 0.01	< 0.01	< 10	0.132	< 1	< 3
	QUL-20	2014 08 12	9.9	16.1	< 30	1.82	0.127	0.463	0.823	< 0.1	< 0.1	5.51	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.75	-	0.299	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
	QUL-20	2014 08 13	9.6	16.1	< 30	1.88	0.163	0.476	0.847	< 0.1	< 0.1	5.3	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	1.04	-	0.312	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.135	< 1	< 3
	QUL-20	2014 08 14	10.6	16.6	< 30	1.89	0.392	0.471	0.825	< 0.1	0.11	5.26	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.7	-	0.299	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.13	< 1	< 3
	QUL-20	2014 08 15	9.9	16.7	< 30	1.9	0.354	0.469	0.826	< 0.1	0.12	5.73	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.3	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.139	< 1	< 3
	QUL-20X	2014 08 15	10.1	16.7	< 30	1.89	0.35	0.472	0.826	< 0.1	0.11	5.65	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.299	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.138	< 1	< 3
	QA/QC RPD %		*	0	*	< 1	1	< 1	0	*	*	1	*	*	*	*	*	*	*	*	-	< 1	*	*	*	*	*	< 1	*	*
	QUL-20	2014 08 16	9.9	16.4	< 30	1.93	0.333	0.45	0.791	< 0.1	0.11	5.18	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.281	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.132	< 1	< 3
	QUL-20	2014 08 17	9.9	16	< 30	1.86	0.423	0.471	0.832	< 0.1	0.11	5.28	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.57	-	0.28	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
	QUL20	2014 08 22	10.2	17	< 30	1.91	0.767	0.461	0.837	< 0.1	0.1	5.51	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.85	< 0.05	0.89	-	0.267	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.138	< 1	< 3
	QUL-20-0M	2014 08 23	10.7	17.1	< 30	1.92	0.946	0.512	0.872	< 0.1	< 0.1	5.45	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.34	0.134	0.93	-	0.282	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.139	< 1	< 3
	QUL-20-10M	2014 08 23	8.5	17.1	< 30	1.91	0.781	0.468	0.829	< 0.1	< 0.1	5.47	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.09	< 0.05	1.03	-	0.274	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.139	< 1	< 3
	QUL-20-20M	2014 08 23	11.8	18.2	< 30	2.06	0.749	0.476	0.831	< 0.1	< 0.1	5.46	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.01	< 0.05	1	-	0.275	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.14	< 1	< 3
	QUL-20	2014 08 26	8.9	17	< 30	1.94	0.694	0.451	0.805	< 0.1	0.11	5.52	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.99	< 0.05	0.62	-	0.277	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.132	< 1	< 3
	QUL-20	2014 08 27	10.1	17	< 30	1.93	0.67	0.465	0.874	< 0.1	0.11	5.6	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.93	< 0.05	0.75	-	0.278	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.139	< 1	< 3
	QUL-20	2014 08 27	10.1	16.9	< 30	1.93	0.917	0.491	0.897	< 0.1	0.12	5.49	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.94	< 0.05	0.62	-	0.288	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.132	< 1	< 3
	QUL-20	2014 08 28	10	16.8	< 30	1.94	0.581	0.47	0.836	< 0.1	0.11	5.52	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.85	< 0.05	< 0.5	-	0.299	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.141	< 1	< 3
	QUL-20	2014 08 29	10.3	16.6	< 30	1.91	0.499	0.461	0.825	< 0.1	0.12	5.36	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.78	< 0.05	0.6	-	0.278	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
	QUL-20	2014 08 30	10	16.5	< 30	1.91	0.511	0.49	0.844	< 0.1	< 0.1	5.35	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.88	< 0.05	< 0.5	-	0.293	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.136	< 1	< 3
	QUL-20	2014 08 31	11.1	16.5	< 30	1.91	0.436	0.454	0.821	< 0.1	0.12	5.34	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.74	< 0.05	0.74	-	0.29	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.132	< 1	< 3
	QUL-20	2014 09 02	9.3	17	< 30	1.95	0.387	0.465	0.833	< 0.1	0.11	5.48	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.6	< 0.05	0.76	-	0.294	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.135	< 1	< 3
	QUL-20	2014 09 03	9.6	16.9	< 30	1.94	0.358	0.461	0.842	< 0.1	0.12	5.5	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.66	< 0.05	0.63	-	0.282	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
	QUL-20	2014 09 04	9.4	17.1	< 30	1.96	0.666	0.448	0.818	< 0.1	0.11	5.62	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.89	< 0.05	0.76	-	0.312	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.15	< 1	< 3
	QUL-20	2014 09 06	9	17.4	< 30	1.95	0.491	0.475	0.856	< 0.1	0.12	5.53	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.9	< 0.05	0.74	-	0.292	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.136	< 1	< 3
	QUL-20	2014 09 07	9.8	16.8	< 30	1.96	0.34	0.461	0.82	< 0.1	< 0.1	5.38	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.72	< 0.05	0.67	-	0.284	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
	QUL-20	2014 09 08	9.1	17.1	< 30	1.93	0.28	0.465	0.836	< 0.1	0.11	5.38	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.82	< 0.05	0.54	-	0.291	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.128	< 1	< 3
	QUL-20	2014 09 10	7.4	17.9	< 30	1.98	1.42	0.465	0.917	< 0.1	0.11	5.66	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.19	< 0.05	0.89	-	0.349	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.152	< 1	< 3
	QUL-20	2014 09 11	7.9	18.2	< 30	2.09	3.56	0.485	0.955	< 0.1	0.13	5.95	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.22	< 0.05	< 0.5	-	0.428	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.165	< 1	< 3
	QUL-20	2014 09 12	7.4	18	< 30	2.04	1.54	0.453	0.902	< 0.1	< 0.1	5.44	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.12	< 0.05	0.82	-	0.331	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.146	< 1	< 3
	QUL-20	2014 09 13	8.2	17.5	< 30	1.99	0.764	0.477	0.878	< 0.1	0.12	5.83	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.22	< 0.05	0.59	-	0.328	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.154	< 1	< 3
	QUL-20	2014 09 14	8.2	17.4	< 30	1.99	0.372	0.465	0.833	< 0.1	0.1	5.49	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.91	< 0.05	0.82	-	0.321	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.142	< 1	< 3
	QUL-2OX	2014 09 14	7.4	17.5	< 30	1.99	0.37	0.471	0.853	< 0.1	0.11	5.49	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.89	< 0.05	0.83	-	0.317	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.139	< 1	< 3
	QA/QC RPD %		*	< 1	*	0	< 1	1	2	*	*	0	*	*	*	*	*	*	*	*	-	1	*	*	*	*	*	2	*	*
	QUL-20	2014 09 16	8.7	17.3	< 30	1.93	0.185	0.439	0.796	< 0.1	< 0.1	4.97	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.56	< 0.05	0.82	-	0.276	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.14	< 1	< 3
	QUL-20-0M	2014 09 17	8	17.2	< 30	1.92	0.158	0.455	0.816	< 0.1	< 0.1	4.93	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.5	< 0.05	0.69	-	0.258	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.145	< 1	< 3
	QUL-20	2014 09 09	8.6	17.3	< 30	1.95	0.558	0.476	0.871	< 0.1	0.12	5.91	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.35	< 0.05	0.58	-	0.321	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
	QUL-20	2014 09 18	8.1	17.6	< 30	1.95	0.157	0.44	0.805	< 0.1	< 0.1	4.8	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.54	< 0.05	0.72	-	0.256	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.143	< 1	< 3
	QUL-20	2014 09 19	8.6	17.4	< 30	1.91	0.174	0.434	0.798	< 0.1	< 0.1	4.87	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.71	-	0.243	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.135	< 1	< 3
	QUL-20	2014 09 20	8.6	16.5	< 30	1.77	0.237	0.436	0.767	< 0.1	< 0.1	4.94	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.78	-	0.261	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.14	< 1	< 3
	QUL-20	2014 09 22	8	16.7	< 30	1.78	0.192	0.429	0.805	< 0.1	< 0.1	4.97	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.5	-	0.228	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.136	< 1	< 3
	QUL-20	2014 09 23	8.6	17.4	< 30	1.9	0.264	0.451	0.844	< 0.1	< 0.1	4.91	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.58	< 0.05	0.76	-	0.239	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.149	< 1	< 3

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Metals																														
			Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bismuth (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Magnesium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Potassium (µg/L)	Selenium (µg/L)	Silicon (µg/L)	Silver (µg/L)	Sodium (µg/L)	Thallium (µg/L)	Tin (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																																	
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.016-0.079[d]	n/a	1 (Cr(+6))	110	6.0-27.9[d]	1,000	27.3-297.3[d]	870	n/a	1001-3582[d]	Methyl mercury analysis in progress	2,000	25-150[d]	373,000-432,000	2	n/a	0.1-3.0[d]	n/a	0.3	n/a	2,000	300	6	33-172.5[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	2-11[d]	n/a	4.4-14.9[d]	14[i]	n/a	791.1-1819[d]		1,000	n/a	n/a	n/a	n/a	0.05-1.5[d]	n/a	n/a	n/a	n/a	n/a	n/a	7.5-147[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	n/a	2	n/a	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	n/a	50	1	n/a	n/a	n/a	10	n/a	n/a	200,000	n/a	n/a	n/a	20	n/a	5,000
QUL-20	QUL-20	2014 08 08	22.4	< 0.1	0.13	5.42	< 0.1	< 0.5	< 10	< 0.01	17,400	< 0.5	< 0.1	0.66	< 30	< 0.05	0.58	2,040	1.48	< 0.05	0.288	< 0.5	483	< 0.5	1,720	< 0.01	901	< 0.01	< 0.1	< 10	0.145	< 1	< 3
	QUL-20X	2014 08 08	26.2	< 0.1	0.12	5.45	< 0.1	< 0.5	< 10	< 0.01	17,600	< 0.5	< 0.1	0.7	< 30	< 0.05	0.59	2,070	1.49	< 0.05	0.285	< 0.5	487	< 0.5	1,740	< 0.01	928	< 0.01	< 0.1	< 10	0.15	< 1	< 3
	QA/QC RPD %		16	*	*	< 1	*	*	*	*	1	*	*	*	*	*	*	2	*	*	1	*	< 1	*	1	*	3	*	*	*	3	*	*
	QUL-20	2014 08 09	20	< 0.1	0.11	5.21	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	0.69	< 30	< 0.05	0.59	1,980	1.24	< 0.05	0.281	< 0.5	475	< 0.5	1,670	< 0.01	867	< 0.01	< 0.1	< 10	0.148	< 1	< 3
	QUL-20	2014 08 11	23.4	< 0.1	0.14	5.25	< 0.1	< 0.5	< 10	< 0.01	15,900	< 0.5	< 0.1	0.71	< 30	< 0.05	0.9	1,860	1.16	< 0.05	0.3	< 0.5	487	< 0.5	1,530	< 0.01	843	< 0.01	< 0.1	< 10	0.143	< 1	< 3
	QUL-20	2014 08 12	19.9	< 0.1	0.12	5.12	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	0.69	< 30	< 0.05	0.82	1,850	1.18	< 0.05	0.293	< 0.5	471	< 0.5	1,560	< 0.01	836	< 0.01	< 0.1	< 10	0.14	< 1	< 3
	QUL-20	2014 08 13	15.6	< 0.1	0.16	5.44	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	0.74	< 30	< 0.05	0.65	1,940	1.26	< 0.05	0.31	< 0.5	489	< 0.5	1,600	< 0.01	871	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QUL-20	2014 08 14	17.1	< 0.1	0.12	5.41	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	0.66	< 30	< 0.05	0.69	1,880	1.35	-	0.306	< 0.5	472	< 0.5	1,610	< 0.01	833	< 0.01	< 0.1	< 10	0.136	< 1	< 3
	QUL-20	2014 08 15	20.3	< 0.1	0.13	5.84	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	0.64	< 30	< 0.05	< 0.5	1,890	1.31	-	0.323	< 0.5	472	< 0.5	1,590	< 0.01	833	< 0.01	< 0.1	< 10	0.14	< 1	< 3
	QUL-20X	2014 08 15	17.4	< 0.1	0.13	5.93	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	0.61	< 30	< 0.05	< 0.5	1,890	1.38	-	0.292	< 0.5	476	< 0.5	1,610	< 0.01	848	< 0.01	< 0.1	< 10	0.134	< 1	< 3
	QA/QC RPD %		15	*	*	2	*	*	*	*	0	*	*	*	*	*	*	0	*	-	10	*	< 1	*	1	*	2	*	*	*	4	*	*
	QUL-20	2014 08 16	17.6	< 0.1	1.06	5.28	< 0.1	< 0.5	< 10	**0.034**	16,000	< 0.5	< 0.1	0.59	< 30	< 0.05	0.56	1,870	1.26	-	0.303	< 0.5	465	< 0.5	1,540	< 0.01	821	< 0.01	< 0.1	< 10	0.145	< 1	< 3
	QUL-20	2014 08 17	19	< 0.1	0.13	5.3	< 0.1	< 0.5	< 10	< 0.01	16,100	< 0.5	< 0.1	< 1	< 30	< 0.05	0.63	1,880	1.46	-	0.294	< 0.5	471	< 0.5	1,560	< 0.01	850	< 0.01	< 0.1	< 10	0.147	< 1	< 3
	QUL20	2014 08 22	50.8	< 0.1	0.13	5.92	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	**2.03**	41	< 0.05	0.76	1,930	2.45	-	0.287	< 0.5	479	< 0.5	1,600	< 0.01	855	< 0.01	< 0.1	< 10	0.145	< 1	< 3
	QUL-20-0M	2014 08 23	59.8	< 0.1	0.14	5.87	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	**2.35**	47	< 0.05	0.99	1,930	2.79	< 0.05	0.275	< 0.5	511	< 0.5	1,650	< 0.01	851	< 0.01	< 0.1	< 10	0.143	< 1	< 3
	QUL-20-10M	2014 08 23	56.9	< 0.1	0.13	6	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	**2.16**	47	< 0.05	0.93	1,930	2.56	< 0.05	0.303	< 0.5	477	< 0.5	1,660	< 0.01	840	< 0.01	< 0.1	< 10	0.146	< 1	< 3
	QUL-20-20M	2014 08 23	57.9	< 0.1	0.13	6.04	< 0.1	< 0.5	< 10	< 0.01	18,100	< 0.5	< 0.1	**2.3**	51	< 0.05	0.98	2,070	2.87	< 0.05	0.294	< 0.5	498	< 0.5	1,770	< 0.01	875	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUL-20	2014 08 26	48.5	< 0.1	0.13	6.15	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	**2.05**	40	< 0.05	0.69	1,930	2.3	< 0.01	0.308	< 0.5	470	< 0.5	1,610	< 0.01	848	< 0.01	< 0.1	< 10	0.138	< 1	< 3
	QUL-20	2014 08 27	39.4	< 0.1	0.12	5.95	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	1.69	< 30	< 0.05	0.69	1,900	1.95	< 0.01	0.319	< 0.5	479	< 0.5	1,550	< 0.01	892	< 0.01	< 0.1	< 10	0.152	< 1	< 3
	QUL-20	2014 08 27	38.1	< 0.1	0.15	5.9	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	1.6	31	< 0.05	0.67	1,970	2.04	< 0.01	0.314	< 0.5	484	< 0.5	1,630	< 0.01	929	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QUL-20	2014 08 28	31.3	< 0.1	0.14	6.04	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	1.36	< 30	< 0.05	< 0.5	1,950	1.93	< 0.01	0.317	< 0.5	495	< 0.5	1,560	< 0.01	861	< 0.01	< 0.1	< 10	0.148	< 1	< 3
	QUL-20	2014 08 29	20.3	< 0.1	0.13	5.28	< 0.1	< 0.5	< 10	< 0.01	16,100	< 0.5	< 0.1	1.07	< 30	< 0.05	0.5	1,870	1.26	< 0.01	0.276	< 0.5	451	< 0.5	1,460	< 0.01	819	< 0.01	< 0.1	< 10	0.14	< 1	< 3
	QUL-20	2014 08 30	21.5	< 0.1	0.14	5.43	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	1.03	< 30	< 0.05	< 0.5	1,890	1.47	< 0.01	0.294	< 0.5	464	< 0.5	1,480	< 0.01	826	< 0.01	< 0.1	< 10	0.14	< 1	< 3
	QUL-20	2014 08 31	27.2	< 0.1	0.13	5.55	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	1.13	< 30	0.091	0.76	1,880	1.76	< 0.01	0.325	< 0.5	479	< 0.5	1,530	< 0.01	888	< 0.01	< 0.1	< 10	0.131	< 1	< 3
	QUL-20	2014 09 02	21.4	< 0.1	0.12	5.5	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	0.86	< 30	< 0.05	0.87	1,940	1.53	< 0.01	0.309	< 0.5	471	< 0.5	1,520	< 0.01	846	< 0.01	< 0.1	< 10	0.144	< 1	< 3
	QUL-20	2014 09 03	20.5	< 0.1	0.12	5.51	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	0.9	< 30	< 0.05	0.57	1,900	1.39	< 0.01	0.297	< 0.5	454	< 0.5	1,520	< 0.01	851	< 0.01	< 0.1	< 10	0.143	< 1	< 3
	QUL-20	2014 09 04	36.1	< 0.1	0.15	6.24	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	1.84	< 30	< 0.05	0.69	1,960	2.85	-	0.336	< 0.5	478	< 0.5	1,620	< 0.01	859	< 0.01	< 0.1	< 10	0.164	< 1	< 3
	QUL-20	2014 09 06	40	< 0.1	0.14	6	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	1.67	30	< 0.05	0.57	1,950	2.14	-	0.321	0.51	493	< 0.5	1,650	< 0.01	905	< 0.01	< 0.1	< 10	0.149	< 1	< 3
	QUL-20	2014 09 07	26.6	< 0.1	0.13	5.89	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	1.29	< 30	< 0.05	0.73	2,010	1.58	-	0.404	< 0.5	479	< 0.5	1,600	< 0.01	855	< 0.01	< 0.1	< 10	0.155	< 1	< 3
	QUL-20	2014 09 08	29.6	< 0.1	0.13	5.91	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	1.43	42	< 0.05	< 0.5	1,990	1.74	-	0.326	< 0.5	479	< 0.5	1,580	< 0.01	846	< 0.01	< 0.1	< 10	0.143	< 1	< 3
	QUL-20	2014 09 10	79.1	< 0.1	0.17	7.05	< 0.1	< 0.5	< 10	< 0.01	18,100	< 0.5	< 0.1	**2.91**	68	< 0.05	0.92	2,040	5.08	-	0.424	< 0.5	510	< 0.5	1,850	< 0.01	963	< 0.01	< 0.1	< 10	0.17	< 1	< 3
	QUL-20	2014 09 11	***116***	< 0.1	0.21	8.05	< 0.1	< 0.5	< 10	< 0.01	18,000	< 0.5	< 0.1	**3.56**	86	0.062	< 0.5	2,110	8.13	-	0.468	< 0.5	535	< 0.5	1,950	< 0.01	1,010	< 0.01	< 0.1	< 10	0.18	< 1	< 3
	QUL-20	2014 09 12	83.1	< 0.1	0.13	6.82	< 0.1	< 0.5	< 10	< 0.01	18,000	< 0.5	< 0.1	**2.45**	69	< 0.05	0.9	2,080	4.25	-	0.365	< 0.5	483	< 0.5	1,800	< 0.01	943	< 0.01	< 0.1	< 10	0.153	< 1	< 3
	QUL-20	2014 09 13	68.3	< 0.1	0.13	6.59	< 0.1	< 0.5	< 10	< 0.01	17,600	< 0.5	< 0.1	**2.43**	60	0.059	< 0.5	2,040	3.25	-	0.368	< 0.5	500	< 0.5	1,690	< 0.01	918	< 0.01	< 0.1	< 10	0.164	< 1	< 3
	QUL-20	2014 09 14	48.4	< 0.1	0.13	6.2	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	1.76	46	0.053	0.87	2,020	2.51	-	0.353	< 0.5	470	< 0.5	1,620	< 0.01	875	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUL-2OX	2014 09 14	50	< 0.1	0.13	6.11	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	1.72	45	0.054	0.89	1,990	2.5	-	0.346	< 0.5	473	< 0.5	1,610	< 0.01	863	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QA/QC RPD %		3	*	*	2	*	*	*	*	< 1	*	*	*	*	*	*	2	*	-	2	*	< 1	*	< 1	*	1	*	*	*	< 1	*	*
	QUL-20	2014 09 16	22.9	< 0.1	< 0.1	5.21	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	0.73	< 30	< 0.05	0.8	1,950	1.23	-	0.297	< 0.5	457	< 0.5	1,470	< 0.01	828	< 0.01	< 0.1	< 10	0.143	< 1	< 3
	QUL-20-0M	2014 09 17	23.7	< 0.1	0.13	5.27	< 0.1	< 0.5	< 10	< 0.01	17,500	< 0.5	< 0.1	1.05	< 30	< 0.05	0.78	1,990	1.23	-	0.353	< 0.5	485	< 0.5	1,540	< 0.01	874	< 0.01	< 0.1	< 10	0.157	< 1	< 3
	QUL-20	2014 09 09	58.6	< 0.1	0.14	6.2	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	**2.56**	50	< 0.05	< 0.5	1,850	3.15	< 0.01	0.328	< 0.5	462	< 0.5	1,540	< 0.01	850	< 0.01	< 0.1	< 10	0.145	< 1	< 3
	QUL-20	2014 09 18	21.3	< 0.1	0.11	5.18	< 0.1	< 0.5	< 10	< 0.01	17,400	< 0.5	< 0.1	0.74	< 30	< 0.05	0.74	1,940	1.22	-	0.275	< 0.5	452	< 0.5	1,460	< 0.01	828	< 0.01	< 0.1	< 10	0.159	< 1	< 3
	QUL-20	2014 09 19	< 24	< 0.1	0.11	5.33	< 0.1	< 0.5	< 10	< 0.01	17,600	< 0.5	< 0.1	0.77	< 30	< 0.05	0.77	1,950	1.3	-	0.287	< 0.5	476	< 0.5	1,490	< 0.01	877	< 0.01	< 0.1	< 10	0.162	< 1	< 3
	QUL-20	2014 09 20	18.4	< 0.1	0.12	4.94	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	0.59	< 30	< 0.05	0.69	1,760	0.97	-	0.262	< 0.5	434	< 0.5	1,370	< 0.01	779	< 0.01	< 0.1	< 10	0.149	< 1	< 3
	QUL-20	2014 09 22	17.6	< 0.1	0.1	5.16	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	1.28	< 30	< 0.05	0.63	1,750	1.01	-	0.277	< 0.5	428	< 0.5	1,360	< 0.01	810	< 0.01	< 0.1	< 10	0.155	< 1	< 3
	QUL-20	2014 09 23	19	< 0.1	0.11	4.91	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	0.64	< 30	< 0.05	0.96	1,890	1.12	-	0.31	< 0.5	469	< 0.5	1,420	< 0.01	835	< 0.01	< 0.1	< 10	0.167	< 1	< 3

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

			Physical Parameters									Total Inorganics												
Sample Location	Sample ID	Sample Date (yyyy mm dd)	Hardness (mg/L)	pH (field) (pH)	pH (pH)	Temperature (field) (C)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)	Total Kjeldahl Nitrogen (N) (mg/L)	Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Bromide (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus[g] (mg/L)
BC Guidelines																								
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	6.5-9.0		Change of 8	n/a	n/a	Change of 25	n/a	n/a	n/a	5,680-18,400[d]	32,800	60-600[d]	32,800[f]	600	988.2-1742[d]	n/a	n/a	n/a	n/a	0.005-0.015
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	+/-1 Degree change from ambient	Change of 2	n/a	n/a	Change of 5	+20% of median background	n/a	n/a	1,090-1,770[d]	3,000	20-200[d]	3,000[f]	150	n/a	128-429[d]	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	6.5-8.5	n/a[i]	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,000	500	n/a	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	6.5-8.5	n/a[i]	n/a[i]	n/a	500	n/a	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a	n/a
QUL-21	QUL-21-0M	2014 08 08	49.5	7.90	7.91	14.7	0.29	97.6	72	< 3	2.51	-	0.159	< 5	85.6	< 1	-	< 0.5	34	5.57	43.6	-	< 0.001	< 0.002[a]
	QUL-21-7M	2014 08 08	50.7	7.85	7.91	8.9	0.25	99.5	72	< 3	2.11	-	0.174	< 5	100	< 1	-	< 0.5	35	5.66	44.5	-	< 0.001	< 0.002[a]
	QUL-21-30M	2014 08 08	54.3	7.67	7.9	4.4	0.78	108	77	< 3	2.16	-	0.193	< 5	141	< 1	-	< 0.5	36	6.12	48	-	< 0.001	< 0.002[a]
	QUL-21	2014 08 09	49.3	7.81	7.88	16.1	0.36	96.7	68	< 3	2.33	-	0.137	< 5	73.9	< 1	-	< 0.5	34	5.52	43.2	-	< 0.001	< 0.002[a]
	QUL-21	2014 08 11	47.8	7.90	7.92	19.7	0.77	97.8	65	< 3	2.27	-	0.132	< 5	57.3	< 1	-	< 0.5	33	5.64	44	-	< 0.001	< 0.002[a]
	QUL-21-0M	2014 08 12	48.1	7.98	7.96	-	0.4	95.9	65	< 3	1.97	-	0.13	< 5	55.1	< 1	-	< 0.5	36	5.66	43.8	-	< 0.001	< 0.002[a]
	QUL-21X	2014 08 12	48.9	7.98	7.95	-	0.49	96.3	65	< 3	1.95	-	0.126	< 5	54.1	< 1	-	< 0.5	36	5.64	44.3	-	< 0.001	< 0.002[a]
	QA/QC RPD %		2	0	< 1	-	*	< 1	0	*	*	-	*	*	2	*	-	*	*	< 1	1	-	*	*
	QUL-21-12M	2014 08 12	48.2	8.15	7.94	12.9	0.55	98.7	68	< 3	1.87	-	0.171	< 5	88.2	< 1	-	< 0.5	36	5.77	44.6	-	< 0.001	< 0.002[a]
	QUL-21-30M	2014 08 12	54.3	7.57	7.96	4.6	0.39	107	72	< 3	1.74	-	0.191	< 5	139	< 1	-	< 0.5	38	6.19	49.6	-	< 0.001	< 0.002[a]
	QUL-21	2014 08 13	47.6	-	8	20.9	0.29	98.2	59	< 3	2.09	-	0.135	< 5	44.2	< 1	-	< 0.5	32	5.62	44.4	-	< 0.001	< 0.002[a]
	QUL-21	2014 08 14	49.6	7.85	7.96	21.3	0.22	97.2	65	< 3	2.11	-	0.106	< 5	41.5	< 1	-	< 0.5	35	5.62	43.4	-	< 0.001	**0.0027**
	QUL-21-0M	2014 08 15	48.7	8.12	7.98	20.7	0.22	95.4	66	< 3	1.96	-	0.102	< 5	39.7	< 1	-	< 0.5	36	5.64	43.1	-	< 0.001	**0.0022**
	QUL-21-10M	2014 08 15	50.3	7.82	7.94	13.1	0.3	98.3	67	< 3	1.73	-	0.138	< 5	89.9	< 1	-	< 0.5	35	5.76	44.6	-	< 0.001	**0.002**
	QUL-21-30M	2014 08 15	53.5	7.65	7.9	4.6	0.35	106	71	< 3	1.65	-	0.175	< 5	140	< 1	-	< 0.5	38	6.17	48	-	< 0.001	**0.0028**
	QUL-21	2014 08 16	48.2	8.21	7.97	20.4	0.24	95.1	75	< 3	1.81	-	0.108	< 5	42	< 1	-	< 0.5	36	5.58	43.6	-	< 0.001	< 0.002[a]
	QUL-21	2014 08 17	48	7.78	7.97	20.9	0.3	96.3	61	< 3	2.4	-	0.128	< 5	40.8	< 1	-	< 0.5	34	5.63	43.9	-	< 0.001	< 0.002[a]
	QUL-21-0M	2014 08 23	50.3	7.77	7.87	16.8	0.55	99.4	61	< 3	2.37	-	0.133	< 5	63.4	< 1	-	< 0.5	36	5.68	44	-	< 0.001	< 0.002[a]
	QUL-21-20M	2014 08 23	54	7.39	7.84	5.2	0.84	107	69	< 3	2.11	-	0.189	< 5	136	< 1	-	< 0.5	37	6.05	48.2	-	0.0016	**0.0027**
	QUL-21-46M	2014 08 23	74	7.63	7.95	6.0	85.1	156	104	42.4	2.19	-	0.397	53.9	237	1.8	-	0.55	75	16.8	60.3	-	< 0.001	**0.0036**
	QUL-21-0M	2014 08 25	50	7.76	7.96	17.5	0.62	98.3	66	< 3	1.82	-	0.137	< 5	62.8	< 1	-	< 0.5	34	5.81	44.4	-	< 0.001	< 0.002[a]
	QUL-21-9M	2014 08 25	50.7	7.85	7.95	14.2	1.11	99.6	67	< 3	1.87	-	0.164	< 5	75.9	< 1	-	< 0.5	34	5.95	44.5	-	0.0133	***0.0183***
	QUL-21-45M	2014 08 25	70.3	7.53	8	6.2	72	153	107	16.6	1.76	-	0.389	45.8	235	2	-	0.54	80	16.7	55.6	-	0.0031	0.0069
	QUL-21-0M	2014 08 26	49.8	7.83	7.99	17.5	0.53	97.9	69	< 3	2.11	-	0.12	< 5	57.2	< 1	-	< 0.5	35	5.77	44.7	-	< 0.001	< 0.002[a]
	QUL-21-21M	2014 08 26	50.9	7.43	7.99	5.7	1.3	99.3	69	< 3	2.21	-	0.226	< 5	75.9	< 1	-	< 0.5	35	6	44.9	-	< 0.001	< 0.002[a]
	QUL-21-47M	2014 08 26	70.1	7.59	8.01	6.0	61.9	153	113	17.5	2.15	-	0.396	49.2	237	2.7	-	0.54	66	17	59.8	-	0.0024	0.0059
	QUL-21-0M	2014 08 28	49	8.10	7.94	19.3	0.32	96.5	58	< 3	2.27	-	0.142	< 5	47.3	< 1	-	< 0.5	34	5.76	45	-	< 0.001	< 0.002[a]
	QUL-21-16M	2014 08 28	50.7	7.75	7.88	10.3	1.91	100	66	< 3	2.48	-	0.199	7.2	104	< 1	-	< 0.5	35	5.96	46.6	-	< 0.001	< 0.002[a]
	QUL-21-46M	2014 08 28	70.2	7.89	7.96	6.1	79.1	153	104	38.2	2.14	-	0.396	59.3	238	1.9	-	0.56	73	17.4	61.8	-	< 0.001	**0.0042**
	QUL-21-0M	2014 09 03	50.1	8.02	7.99	17.88	0.33	98.7	65	< 3	2.14	-	0.11	5.6	42.4	< 1	-	< 0.5	33	5.7	45.7	-	< 0.001	**0.0022**
	QUL-21-6M	2014 09 03	50.9	7.42	7.96	12.58	3.09	102	68	< 3	2.07	-	0.15	8	88.3	< 1	-	< 0.5	33	5.95	46.5	-	< 0.001	**0.002**
	QUL-21-47M	2014 09 03	69.9	7.59	8.03	5.94	67.2	152	105	7	2.13	-	0.368	58.3	227	1.4	-	0.52	64	16.5	60	-	0.0021	**0.0045**
	QUL-21X-47M	2014 09 03	70.3	7.59	8.01	5.94	65.6	151	106	7.5	2.02	-	0.368	51.8	224	1.3	-	0.51	64	16.3	60.2	-	0.0023	**0.0036**
	QA/QC RPD %		< 1	0	< 1	0	2	< 1	< 1	*	*	-	0	12	1	*	-	*	*	1	< 1	-	*	*
	QUL-21-0M	2014 09 05	46.6	-	7.95	-	0.58	101	60	< 3	2.01	-	0.174	6	42.9	< 1	-	< 0.5	32	5.76	46.2	-	< 0.001	< 0.002[a]
	QUL-21-10M	2014 09 05	52.1	-	7.92	-	1.73	104	62	< 3	1.94	-	0.173	7.8	118	< 1	-	< 0.5	32	5.98	47.3	-	< 0.001	< 0.002[a]
	QUL-21-45M	2014 09 05	71.1	-	8.03	-	49	154	103	5.1	1.98	-	0.377	59.6	226	1.9	-	0.53	63	16.7	57.3	-	0.0011	**0.0031**
	QUL-21-0M	2014 09 07	49.7	8.04	7.96	17.6	0.45	99	59	< 3	2.63	-	0.118	< 5	40.9	< 1	-	< 0.5	32	5.78	46.8	-	< 0.001	< 0.002[a]
	QUL-21-11M	2014 09 07	50.4	7.74	7.97	12.9	1.51	100	63	< 3	2.1	-	0.122	< 5	57.8	< 1	-	< 0.5	32	5.9	46.7	-	< 0.001	< 0.002[a]
	QUL-21-46M	2014 09 07	69.5	7.83	8.02	6.1	56.1	152	105	4.8	2.21	-	0.38	56.7	225	2	-	0.56	63	16.7	61.5	-	0.0016	**0.0026**
	QUL-21	2014 09 08	50.2	8.2	7.88	17	0.52	96.8	59	< 3	1.84	-	0.106	< 5	41.7	< 1	-	< 0.5	32	5.79	45.8	-	< 0.001	**0.0029**
	QUL-21-0M	2014 09 10	51	7.69	7.89	10.3	0.72	103	63	< 3	2.09	-	0.16	< 5	110	< 1	-	< 0.5	34	5.98	48.6	-	< 0.001	< 0.002[a]
	QUL-21-46M	2014 09 10	68.8	7.79	7.94	6.1	55.1	152	102	6.5	1.87	-	0.328	58.2	225	2.1	-	0.53	70	16.6	61.5	-	0.0013	**0.0035**
	QUL-21-8M	2014 09 10	52.3	7.57	7.9	6.8	0.91	105	63	< 3	1.74	-	0.168	< 5	127	< 1	-	< 0.5	36	6.07	44.7	-	< 0.001	< 0.002[a]
	QUL-21-0M	2014 09 12	51.2	7.9	7.93	13	0.76	99.7	66	< 3	2.02	-	0.129	< 5	69.4	< 1	-	< 0.5	35	5.98	47.7	-	< 0.001	< 0.002[a]
	QUL-21-15M	2014 09 12	52.2	-	7.92	-	0.9	102	66	< 3	1.83	-	0.172	< 5	121	< 1	-	< 0.5	35	6.13	49.2	-	< 0.001	< 0.002[a]
	QUL-21-46M	2014 09 12	65.6	7.92	7.98	8.4	46.6	141	95	14.6	1.85	-	0.284	43.3	184	1.9	-	< 0.5	66	15.1	58.8	-	0.0011	**0.0024**

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																												
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																															
BCWQG Aquatic Life (AW)[b,c]			30-100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50-1000[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
QUL-21	QUL-21-0M	2014 08 08	9.3	16.7	< 30	1.93	0.368	0.462	0.832	< 0.1	< 0.1	5.21	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.273	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.158	< 1	< 3
	QUL-21-7M	2014 08 08	8.8	17.1	< 30	1.94	0.2	0.476	0.863	< 0.1	< 0.1	5.2	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.269	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.163	< 1	< 3
	QUL-21-30M	2014 08 08	4.9	18.3	< 30	2.08	2.29	0.474	0.919	< 0.1	< 0.1	5.26	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.53	< 0.05	0.51	-	0.269	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.176	< 1	< 3
	QUL-21	2014 08 09	10	16.6	< 30	1.9	0.49	0.465	0.83	< 0.1	0.11	5.28	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.56	-	0.298	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.132	< 1	< 3
	QUL-21	2014 08 11	10.3	16.1	< 30	1.84	0.673	0.487	0.832	< 0.1	0.11	5.27	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.5	< 0.05	1.02	-	0.283	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.125	< 1	< 3
	QUL-21-0M	2014 08 12	8	16.1	< 30	1.94	0.275	0.488	0.855	< 0.1	0.1	5	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.81	-	0.324	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.08	< 1	< 3
	QUL-21X	2014 08 12	11	16.4	< 30	1.92	0.653	0.458	0.823	< 0.1	0.11	5.37	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.54	-	0.276	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.13	< 1	< 3
	QA/QC RPD %		*	2	*	1	81	6	4	*	*	7	*	*	*	*	*	*	*	*	-	16	*	*	*	*	*	48	*	*
	QUL-21-12M	2014 08 12	10.5	16.3	< 30	1.82	0.212	0.46	0.815	< 0.1	< 0.1	5.06	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.5	< 0.05	0.77	-	0.288	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.146	< 1	< 3
	QUL-21-30M	2014 08 12	6	18.3	< 30	2.09	0.407	0.468	0.919	< 0.1	0.1	4.99	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.66	-	0.258	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.149	< 1	< 3
	QUL-21	2014 08 13	9.5	16	< 30	1.88	0.222	0.473	0.833	< 0.1	0.11	5.34	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.89	-	0.314	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.127	< 1	< 3
	QUL-21	2014 08 14	10.3	16.7	< 30	1.94	0.721	0.463	0.812	< 0.1	0.1	5.28	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.58	-	0.294	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.126	< 1	< 3
	QUL-21-0M	2014 08 15	10.4	16.4	< 30	1.89	0.496	0.48	0.837	< 0.1	0.12	5.54	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.289	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.119	< 1	< 3
	QUL-21-10M	2014 08 15	10	17.1	< 30	1.87	0.143	0.468	0.832	< 0.1	< 0.1	5.12	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.52	-	0.262	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.164	< 1	< 3
	QUL-21-30M	2014 08 15	6	18.1	< 30	2.03	0.345	0.479	0.92	< 0.1	< 0.1	5.28	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.66	-	0.272	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.177	< 1	< 3
	QUL-21	2014 08 16	9.7	16.2	< 30	1.9	0.415	0.479	0.822	< 0.1	0.12	5.41	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.58	-	0.29	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.12	< 1	< 3
	QUL-21	2014 08 17	9.8	16.1	< 30	1.9	0.545	0.464	0.823	< 0.1	0.12	5.47	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.5	< 0.05	0.54	-	0.295	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
	QUL-21-0M	2014 08 23	10.5	16.9	< 30	1.94	0.886	0.466	0.815	< 0.1	< 0.1	5.4	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.87	< 0.05	0.96	-	0.283	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.13	< 1	< 3
	QUL-21-20M	2014 08 23	6.4	18.2	< 30	2.08	0.629	0.49	0.902	< 0.1	< 0.1	5.09	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.71	< 0.05	0.99	-	0.255	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.146	< 1	< 3
	QUL-21-46M	2014 08 23	13.2	25	< 30	2.8	108	0.952	3.2	0.23	0.72	17.9	< 0.1	< 10	< 0.01	< 0.5	< 0.1	4.5	< 0.05	1.17	-	4.98	< 0.5	0.59	< 0.01	< 0.01	< 10	0.643	< 1	< 3
	QUL-21-0M	2014 08 25	10	16.9	< 30	1.92	0.724	0.461	0.805	< 0.1	< 0.1	5.49	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.93	< 0.05	< 0.5	-	0.288	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
	QUL-21-9M	2014 08 25	9.9	17.2	< 30	1.91	1.24	0.443	0.851	< 0.1	< 0.1	5.88	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.37	< 0.05	< 0.5	-	0.293	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.14	< 1	< 3
	QUL-21-45M	2014 08 25	12.9	23.8	< 30	2.63	94.7	0.95	3.09	0.22	0.66	17.5	< 0.1	< 10	< 0.01	< 0.5	< 0.1	4.65	< 0.05	0.61	-	4.68	< 0.5	0.53	< 0.01	< 0.01	< 10	0.58	< 1	< 3
	QUL-21-0M	2014 08 26	9.3	16.8	< 30	1.92	0.699	0.448	0.793	< 0.1	0.12	5.5	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.96	< 0.05	0.64	-	0.287	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.125	< 1	< 3
	QUL-21-21M	2014 08 26	9.9	17.2	< 30	1.94	1.01	0.452	0.82	< 0.1	< 0.1	5.62	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.21	< 0.05	0.57	-	0.284	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.128	< 1	< 3
	QUL-21-47M	2014 08 26	11.7	23.7	< 30	2.64	95.8	0.907	2.99	0.21	0.66	17.3	< 0.1	< 10	< 0.01	< 0.5	< 0.1	4.54	< 0.05	0.75	-	4.63	< 0.5	0.54	< 0.01	< 0.01	< 10	0.591	< 1	< 3
	QUL-21-0M	2014 08 28	10.1	16.5	< 30	1.92	0.506	0.458	0.823	< 0.1	0.11	5.3	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.58	< 0.05	< 0.5	-	0.276	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.138	< 1	< 3
	QUL-21-16M	2014 08 28	9.4	17.1	< 30	1.94	1.04	0.466	0.853	< 0.1	< 0.1	5.59	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.17	< 0.05	< 0.5	-	0.272	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.151	< 1	< 3
	QUL-21-46M	2014 08 28	15.3	23.7	< 30	2.67	96.6	1.03	3.59	0.26	0.76	18.8	< 0.1	< 10	0.036	< 0.5	< 0.1	5.32	< 0.05	0.8	-	5.51	< 0.5	0.67	0.018	0.011	< 10	0.671	< 1	< 3
	QUL-21-0M	2014 09 03	9.8	16.9	< 30	1.92	0.306	0.463	0.838	< 0.1	< 0.1	5.36	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.59	< 0.05	0.55	-	0.283	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.134	< 1	< 3
	QUL-21-6M	2014 09 03	9.5	17.2	< 30	1.91	2.29	0.465	0.874	< 0.1	< 0.1	6.81	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.87	< 0.05	0.72	-	0.311	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.14	< 1	< 3
	QUL-21-47M	2014 09 03	13.2	23.7	< 30	2.61	82.1	0.963	3.25	0.23	0.7	17.6	< 0.1	< 10	< 0.01	< 0.5	< 0.1	5.11	< 0.05	0.88	-	4.9	< 0.5	0.57	< 0.01	< 0.01	< 10	0.598	< 1	< 3
	QUL-21X-47M	2014 09 03	13.9	23.8	< 30	2.62	80	0.947	3.17	0.23	0.66	17.7	< 0.1	< 10	< 0.01	< 0.5	< 0.1	5.17	< 0.05	0.79	-	4.88	< 0.5	0.59	< 0.01	< 0.01	< 10	0.587	< 1	< 3
	QA/QC RPD %		*	< 1	*	< 1	3	2	3	*	6	< 1	*	*	*	*	*	1	*	*	-	< 1	*	*	*	*	*	2	*	*
	QUL-21-0M	2014 09 05	9	15.7	< 30	1.83	0.376	0.417	0.739	< 0.1	< 0.1	4.79	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.62	< 0.05	0.98	-	0.251	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.119	< 1	< 3
	QUL-21-10M	2014 09 05	7.1	17.6	< 30	1.99	1.05	0.452	0.85	< 0.1	< 0.1	5.61	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.31	< 0.05	1.11	-	0.282	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.144	< 1	< 3
	QUL-21-45M	2014 09 05	16.7	24	< 30	2.7	79	0.981	3.23	0.25	0.73	17.4	< 0.1	< 10	< 0.01	< 0.5	< 0.1	5.15	< 0.05	1.34	-	5.15	< 0.5	0.55	< 0.01	< 0.01	< 10	0.627	< 1	< 3
	QUL-21-0M	2014 09 07	9.4	16.7	< 30	1.95	0.278	0.469	0.828	< 0.1	0.11	5.42	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.66	< 0.05	0.73	-	0.295	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.144	< 1	< 3
	QUL-21-11M	2014 09 07	9.2	17	< 30	1.96	0.464	0.457	0.842	< 0.1	0.11	5.92	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.26	< 0.05	0.82	-	0.292	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.136	< 1	< 3
	QUL-21-46M	2014 09 07	13.5	23.5	< 30	2.64	77.8	0.98	3.27	0.24	0.7	17	< 0.1	< 10	< 0.01	< 0.5	< 0.1	5.33	< 0.05	0.99	-	5.16	< 0.5	0.58	< 0.01	< 0.01	< 10	0.644	< 1	< 3
	QUL-21	2014 09 08	9	16.9	< 30	1.95	0.252	0.466	0.829	< 0.1	0.1	5.3	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.74	< 0.05	0.52	-	0.299	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.134	< 1	< 3
	QUL-21-0M	2014 09 10	7.2	17.3	< 30	1.93	0.653	0.468	0.89	< 0.1	0.11	5.76	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.33	< 0.05	0.89	-	0.28	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.151	< 1	< 3
	QUL-21-46M	2014 09 10	15.3	23.3	< 30	2.57	71.3	0.986	3.24	0.23	0.7	16.7	< 0.1	< 10	< 0.01	< 0.5	< 0.1	5.5	< 0.05	1.2	-	5.2	< 0.5	0.56	< 0.01	< 0.01	< 10	0.618	< 1	< 3
	QUL-21-8M	2014 09 10	7.6	17.7	< 30	1.97	0.655	0.466	0.905	< 0.1	< 0.1	5.51	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.15	< 0.05	0.88	-	0.295	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.151	< 1	< 3
	QUL-21-0M	2014 09 12	8.5	17.3	< 30	1.96	0.375	0.453	0.843	< 0.1	0.1	5.31	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.92	< 0.05	0.77	-	0.279	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.141	< 1	< 3
	QUL-21-15M	2014 09 12	6.4	17.6	< 30	2.01	0.665	0.452	0.869	< 0.1	< 0.1	5.36	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.17	< 0.05	0.77	-	0.305	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.143	< 1	< 3
	QUL-21-46M	2014 09 12	11.4	22.2	< 30	2.47	46.6	0.939	3.1	0.24	0.58	14.3	< 0.1	< 10	< 0.01	< 0.5	< 0.1	5.27	< 0.05	1.03	-	4.91	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.521	< 1	< 3

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Metals																														
			Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bismuth (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Magnesium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Potassium (µg/L)	Selenium (µg/L)	Silicon (µg/L)	Silver (µg/L)	Sodium (µg/L)	Thallium (µg/L)	Tin (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																																	
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.016-0.079[d]	n/a	1 (Cr(+6))	110	6.0-27.9[d]	1,000	27.3-297.3[d]	870	n/a	1001-3582[d]	Methyl mercury analysis in progress	2,000	25-150[d]	373,000-432,000	2	n/a	0.1-3.0[d]	n/a	0.3	n/a	2,000	300	6	33-172.5[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	2-11[d]	n/a	4.4-14.9[d]	14[i]	n/a	791.1-1819[d]		1,000	n/a	n/a	n/a	n/a	0.05-1.5[d]	n/a	n/a	n/a	n/a	n/a	n/a	7.5-147[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	n/a	2	n/a	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	n/a	50	1	n/a	n/a	n/a	10	n/a	n/a	200,000	n/a	n/a	n/a	20	n/a	5,000
QUL-21	QUL-21-0M	2014 08 08	17.4	< 0.1	0.12	5.43	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	0.6	< 30	< 0.05	0.63	1,960	1.04	< 0.05	0.305	< 0.5	473	< 0.5	1,650	< 0.01	847	< 0.01	< 0.1	< 10	0.167	< 1	< 3
	QUL-21-7M	2014 08 08	18.7	< 0.1	0.11	5.24	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	0.58	< 30	< 0.05	< 0.5	1,970	1.03	< 0.05	0.296	< 0.5	470	< 0.5	1,640	< 0.01	854	< 0.01	< 0.1	< 10	0.167	< 1	< 3
	QUL-21-30M	2014 08 08	70.4	< 0.1	0.13	6.05	< 0.1	< 0.5	< 10	< 0.01	18,600	< 0.5	< 0.1	1.64	67	< 0.05	0.74	2,170	4.07	< 0.05	0.283	< 0.5	484	< 0.5	1,870	< 0.01	913	< 0.01	< 0.1	< 10	0.18	< 1	< 3
	QUL-21	2014 08 09	17.8	< 0.1	0.11	5.42	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.66	< 30	< 0.05	0.63	1,910	0.924	< 0.05	0.311	< 0.5	471	< 0.5	1,590	< 0.01	840	< 0.01	< 0.1	< 10	0.14	< 1	< 3
	QUL-21	2014 08 11	22.5	< 0.1	0.14	5.51	< 0.1	< 0.5	< 10	< 0.01	15,900	< 0.5	< 0.1	0.79	< 30	< 0.05	0.82	1,880	1.28	< 0.05	0.291	< 0.5	493	< 0.5	1,520	< 0.01	845	< 0.01	< 0.1	< 10	0.133	< 1	< 3
	QUL-21-0M	2014 08 12	16.4	< 0.1	0.12	5.38	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	< 0.1	0.71	< 30	< 0.05	0.75	1,880	1.24	< 0.05	0.322	< 0.5	478	< 0.5	1,580	< 0.01	849	< 0.01	< 0.1	< 10	0.138	< 1	< 3
	QUL-21X	2014 08 12	18	< 0.1	0.12	5.45	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	0.73	< 30	< 0.05	0.58	1,940	1.25	< 0.05	0.299	< 0.5	467	< 0.5	1,570	< 0.01	835	< 0.01	< 0.1	< 10	0.143	< 1	< 3
	QA/QC RPD %		9	*	*	1	*	*	*	*	2	*	*	*	*	*	*	3	*	*	7	*	2	*	< 1	*	2	*	*	*	4	*	*
	QUL-21-12M	2014 08 12	20.6	< 0.1	0.1	5.15	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	0.84	< 30	< 0.05	0.8	1,900	1.09	< 0.05	0.289	< 0.5	475	< 0.5	1,600	< 0.01	854	< 0.01	< 0.1	< 10	0.148	< 1	< 3
	QUL-21-30M	2014 08 12	17.6	< 0.1	0.12	5.3	< 0.1	< 0.5	< 10	< 0.01	18,000	< 0.5	< 0.1	0.71	< 30	< 0.05	0.77	2,110	1.02	< 0.05	0.292	< 0.5	480	< 0.5	1,730	< 0.01	931	< 0.01	< 0.1	< 10	0.163	< 1	< 3
	QUL-21	2014 08 13	15.4	< 0.1	0.14	5.54	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	0.67	< 30	< 0.05	0.66	1,960	1.6	< 0.05	0.332	< 0.5	488	< 0.5	1,640	< 0.01	872	< 0.01	< 0.1	< 10	0.134	< 1	< 3
	QUL-21	2014 08 14	17	< 0.1	0.13	5.42	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	0.61	< 30	< 0.05	0.59	1,940	1.58	-	0.34	< 0.5	496	< 0.5	1,650	< 0.01	860	< 0.01	< 0.1	< 10	0.133	< 1	3.4
	QUL-21-0M	2014 08 15	14.8	< 0.1	0.13	5.49	< 0.1	< 0.5	< 10	< 0.01	16,100	< 0.5	< 0.1	0.58	< 30	< 0.05	< 0.5	1,880	1.37	-	0.334	< 0.5	479	< 0.5	1,610	< 0.01	842	< 0.01	< 0.1	< 10	0.139	< 1	< 3
	QUL-21-10M	2014 08 15	17	< 0.1	0.1	5.01	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	0.57	< 30	< 0.05	< 0.5	1,840	0.908	-	0.271	< 0.5	459	< 0.5	1,550	< 0.01	817	< 0.01	< 0.1	< 10	0.148	< 1	< 3
	QUL-21-30M	2014 08 15	19.3	< 0.1	0.1	5.28	< 0.1	< 0.5	< 10	< 0.01	18,100	< 0.5	< 0.1	0.79	< 30	< 0.05	< 0.5	2,040	1.43	-	0.296	< 0.5	488	< 0.5	1,760	< 0.01	938	< 0.01	< 0.1	< 10	0.159	< 1	< 3
	QUL-21	2014 08 16	14.5	< 0.1	0.13	5.48	< 0.1	< 0.5	< 10	< 0.01	15,900	< 0.5	< 0.1	0.54	< 30	< 0.05	< 0.5	1,870	1.22	-	0.324	< 0.5	467	< 0.5	1,550	< 0.01	821	< 0.01	< 0.1	< 10	0.136	< 1	< 3
	QUL-21	2014 08 17	18.7	< 0.1	0.13	5.49	< 0.1	< 0.5	< 10	< 0.01	15,700	< 0.5	< 0.1	< 1	< 30	< 0.05	0.66	1,870	1.38	-	0.319	< 0.5	479	< 0.5	1,540	< 0.01	852	< 0.01	< 0.1	< 10	0.14	< 1	< 3
	QUL-21-0M	2014 08 23	35.1	< 0.1	0.1	6.13	< 0.1	< 0.5	< 10	< 0.01	15,700	< 0.5	< 0.1	1.66	30	< 0.05	0.88	1,800	1.77	< 0.05	0.32	< 0.5	448	< 0.5	1,530	< 0.01	783	< 0.01	< 0.1	< 10	0.137	< 1	< 3
	QUL-21-20M	2014 08 23	50.6	< 0.1	0.13	5.56	< 0.1	< 0.5	< 10	< 0.01	17,800	< 0.5	< 0.1	1.53	48	< 0.05	1.03	2,070	3.13	< 0.05	0.278	< 0.5	494	< 0.5	1,830	< 0.01	916	< 0.01	< 0.1	< 10	0.157	< 1	< 3
	QUL-21-46M	2014 08 23	***3,910***	0.3	1.89	90.2	< 0.1	< 0.5	< 10	0.023	25,400	**2.11**	1.65	**75.1**	***2,600***	1.36	2.94	3,950	***179***	< 0.05	5.03	2.29	2,420	0.67	11,100	0.031	3,700	0.013	0.12	159	0.732	**7.6**	**7.7**
	QUL-21-0M	2014 08 25	31.1	< 0.1	0.1	5.65	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	1.63	< 30	< 0.05	< 0.5	1,830	1.5	< 0.05	0.297	< 0.5	474	< 0.5	1,530	< 0.01	836	< 0.01	< 0.1	< 10	0.137	< 1	< 3
	QUL-21-9M	2014 08 25	70.9	< 0.1	0.14	6.78	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	**3.08**	63	< 0.05	< 0.5	1,930	3.56	< 0.05	0.334	< 0.5	486	< 0.5	1,660	< 0.01	872	< 0.01	< 0.1	< 10	0.153	< 1	< 3
	QUL-21-45M	2014 08 25	***3,510***	0.28	1.76	85.4	< 0.1	< 0.5	< 10	0.02	24,800	**1.97**	1.45	**70.1**	***2,170***	1.28	2.24	3,630	***167***	< 0.05	5.08	2.01	2,330	0.61	10,300	0.026	3,890	0.012	0.11	140	0.733	**7**	7
	QUL-21-0M	2014 08 26	36	< 0.1	0.12	5.85	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	1.69	< 30	< 0.05	0.54	1,930	1.77	< 0.01	0.301	< 0.5	464	< 0.5	1,570	< 0.01	823	< 0.01	< 0.1	< 10	0.137	< 1	< 3
	QUL-21-21M	2014 08 26	61.9	< 0.1	0.12	6.44	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	**2.9**	53	< 0.05	0.54	1,860	3.07	< 0.01	0.321	< 0.5	459	< 0.5	1,560	< 0.01	825	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QUL-21-47M	2014 08 26	***3,560***	0.28	1.76	86.1	< 0.1	< 0.5	< 10	0.022	23,600	**2.01**	1.44	**69.3**	***2,080***	1.22	2.44	3,510	***169***	< 0.01	4.94	2.02	2,350	0.63	9,740	0.029	3,760	0.013	0.11	133	0.694	**6.8**	6.9
	QUL-21-0M	2014 08 28	21.5	< 0.1	0.13	5.53	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.82	< 30	< 0.05	< 0.5	1,930	1.25	< 0.01	0.301	< 0.5	475	< 0.5	1,520	< 0.01	843	< 0.01	< 0.1	< 10	0.144	< 1	< 3
	QUL-21-16M	2014 08 28	94.9	< 0.1	0.14	6.69	< 0.1	< 0.5	< 10	< 0.05[a]	16,800	< 0.5	< 0.1	**2.99**	89	0.066	< 0.5	1,950	3.64	< 0.01	0.293	< 0.5	490	< 0.5	1,720	< 0.01	874	< 0.01	< 0.1	< 10	0.154	< 1	< 3
	QUL-21-46M	2014 08 28	***3,700***	0.31	1.87	94.7	< 0.1	< 0.5	10	< 0.05[a]	24,600	**2.1**	1.45	**74.5**	***2,110***	1.31	2.02	3,680	***168***	< 0.01	5.73	2.02	2,540	0.71	10,000	0.031	4,220	0.011	0.12	146	0.802	**7.2**	7.1
	QUL-21-0M	2014 09 03	18.6	< 0.1	0.1	5.53	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	1.69	< 30	< 0.05	0.57	1,960	0.961	< 0.01	0.327	< 0.5	467	< 0.5	1,550	< 0.01	871	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUL-21-6M	2014 09 03	99.6	< 0.1	0.15	7.84	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	**4.83**	87	0.063	0.66	1,950	4.7	< 0.01	0.332	< 0.5	482	< 0.5	1,730	< 0.01	893	< 0.01	< 0.1	< 10	0.156	< 1	< 3
	QUL-21-47M	2014 09 03	***3,270***	0.29	1.65	86.3	< 0.1	< 0.5	< 10	0.02	24,600	**1.84**	1.29	**67.1**	***1,880***	1.18	2.32	3,490	***145***	< 0.01	5.29	1.8	2,350	0.63	9,400	0.025	3,920	0.013	0.11	129	0.731	**6.4**	6.6
	QUL-21X-47M	2014 09 03	***3,110***	0.26	1.57	82.5	< 0.1	< 0.5	< 10	0.019	23,800	**1.68**	1.21	**63.8**	***1,770***	1.1	2.08	3,340	***137***	< 0.01	5	1.79	2,240	0.59	8,960	0.023	3,710	0.012	< 0.1	122	0.703	6	6.3
	QA/QC RPD %		5	*	5	5	*	*	*	*	3	*	6	5	6	7	*	4	6	*	6	*	5	*	5	*	6	*	*	6	4	7	*
	QUL-21-0M	2014 09 05	47.1	< 0.1	0.14	5.38	< 0.1	< 0.5	< 10	< 0.01	14,600	< 0.5	< 0.1	1.61	46	< 0.05	1.14	1,710	2.39	-	0.288	< 0.5	446	< 0.5	1,400	< 0.01	773	< 0.01	< 0.1	< 10	0.133	< 1	< 3
	QUL-21-10M	2014 09 05	***125***	< 0.1	0.2	7.33	< 0.1	< 0.5	< 10	< 0.01	17,600	< 0.5	< 0.1	**3.67**	111	0.065	1.45	2,070	4.64	-	0.376	< 0.5	512	< 0.5	1,900	< 0.01	907	< 0.01	< 0.1	< 10	0.165	< 1	< 3
	QUL-21-45M	2014 09 05	***3,190***	0.29	1.65	84.1	< 0.1	< 0.5	< 10	0.019	24,200	**1.64**	1.19	**64.3**	***1,810***	1.14	2.79	3,480	***142***	-	5.42	1.68	2,340	0.61	9,720	0.027	3,830	0.015	< 0.1	134	0.74	**6.2**	6.3
	QUL-21-0M	2014 09 07	27.1	< 0.1	0.13	5.82	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	1.19	< 30	< 0.05	0.7	1,950	1.38	-	0.332	< 0.5	473	< 0.5	1,550	< 0.01	863	< 0.01	< 0.1	< 10	0.149	< 1	< 3
	QUL-21-11M	2014 09 07	76.6	< 0.1	0.14	6.54	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	**2.77**	74	< 0.05	0.77	1,910	3.2	-	0.319	< 0.5	469	< 0.5	1,610	< 0.01	851	< 0.01	< 0.1	< 10	0.152	< 1	< 3
	QUL-21-46M	2014 09 07	***2,840***	0.27	1.51	77.6	< 0.1	< 0.5	< 10	0.018	23,700	**1.49**	1.16	**61.9**	***1,680***	1.06	2.21	3,390	***137***	-	5.37	1.62	2,100	0.59	8,660	0.026	3,660	0.011	0.1	123	0.731	5.6	6
	QUL-21	2014 09 08	23.8	< 0.1	0.12	5.6	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	1.24	< 30	< 0.05	< 0.5	1,910	1.29	-	0.314	< 0.5	458	< 0.5	1,490	< 0.01	834	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QUL-21-0M	2014 09 10	49	< 0.1	0.14	6.31	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	**2.32**	46	< 0.05	0.91	1,910	2.67	-	0.31	< 0.5	471	< 0.5	1,670	< 0.01	884	< 0.01	< 0.1	< 10	0.158	< 1	< 3
	QUL-21-46M	2014 09 10	***3,160***	0.29	1.52	83.2	< 0.1	< 0.5	11	0.023	23,200	**1.5**	1.08	**59**	***1,620***	1.04	2.39	3,220	***131***	-	5.48	1.47	2,380	0.6	9,820	0.025	3,780	0.012	0.1	116	0.693	5.8	5.9
	QUL-21-8M	2014 09 10	69.2	< 0.1	0.14	6.35	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	**2.25**	62	0.051	0.98	1,970	3.51	-	0.408	< 0.5	491	< 0.5	1,780	< 0.01	929	< 0.01	< 0.1	< 10	0.162	< 1	< 3
	QUL-21-0M	2014 09 12	58.1	< 0.1	0.11	6.01	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	1.71	54	< 0.05	0.86	2,010	2.46	-	0.325	< 0.5	462	< 0.5	1,650	< 0.01	860	< 0.01	< 0.1	< 10	0.148	< 1	< 3
	QUL-21-15M	2014 09 12	56.8	< 0.1	0.12	6.14	< 0.1	< 0.5	< 10	< 0.01	17,700	< 0.5	< 0.1	2.07	51	< 0.05	0.91	2,050	2.89	-	0.315	< 0.5	475	< 0.5	1,750	< 0.01	894	< 0.01	< 0.1	< 10	0.149	< 1	< 3
	QUL-21-46M	2014 09 12	***2,840***	0.27	1.3	76.8	< 0.1	< 0.5	< 10	0.017	22,100	**1.2**	0.99	**55.5**	***1,430***	0.919	2.11	3,110	***91.6***	-	5.15	1.32	2,210	< 0.5	8,290	0.03	3,640	0.016	< 0.1	108	0.573	5	**9.8**

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

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< Denotes concentration less than indicated detection limit or RPD less than indicated value.

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SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

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[a] Laboratory detection limit out of range.

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[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

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TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

			Physical Parameters									Total Inorganics												
Sample Location	Sample ID	Sample Date (yyyy mm dd)	Hardness (mg/L)	pH (field) (pH)	pH (pH)	Temperature (field) (C)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)	Total Kjeldahl Nitrogen (N) (mg/L)	Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Bromide (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus[g] (mg/L)
BC Guidelines																								
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	6.5-9.0		Change of 8	n/a	n/a	Change of 25	n/a	n/a	n/a	5,680-18,400[d]	32,800	60-600[d]	32,800[f]	600	988.2-1742[d]	n/a	n/a	n/a	n/a	0.005-0.015
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	+/-1 Degree change from ambient	Change of 2	n/a	n/a	Change of 5	+20% of median background	n/a	n/a	1,090-1,770[d]	3,000	20-200[d]	3,000[f]	150	n/a	128-429[d]	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	6.5-8.5	n/a[i]	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,000	500	n/a	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	6.5-8.5	n/a[i]	n/a[i]	n/a	500	n/a	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a	n/a
QUL-21	QUL-21-18M	2014 09 14	52.2	7.58	7.76	8.4	1.11	103	70	< 3	1.63	-	0.165	5.5	111	< 1	-	< 0.5	35	6.09	48.7	-	< 0.001	**0.0025**
	QUL-21-47M	2014 09 14	69	7.76	8.14	6.3	63.7	157	108	6.4	1.7	-	0.331	57.4	207	2.6	-	0.57	79	17.2	62.8	-	0.0013	**0.002**
	QUL-21-OM	2014 09 14	50.5	7.82	7.8	14.4	0.47	101	66	< 3	1.62	-	0.145	6.5	66.9	< 1	-	< 0.5	34	5.98	48.1	-	< 0.001	**0.0024**
	QUL-21-0M	2014 09 16	51.5	7.98	7.97	15.6	0.43	102	55	< 3	1.77	-	0.119	< 5	61.7	< 1	-	< 0.5	33	6.05	48.6	-	< 0.001	< 0.002[a]
	QUL-21-30M	2014 09 16	56.5	7.58	7.96	5.5	8.18	114	68	< 3	1.79	-	0.277	7.1	156	< 1	-	< 0.5	42	7.98	52.7	-	< 0.001	**0.0027**
	QUL-21-46M	2014 09 16	68.2	7.84	8.04	6.3	48.3	148	98	9.7	2.05	-	0.308	44.1	202	2	-	0.53	68	16.3	61	-	0.0015	**0.0034**
	QUL-21-0M	2014 09 18	51.4	7.93	8	15.1	0.24	99.7	68	< 3	1.75	-	0.117	< 5	57.7	< 1	-	< 0.5	32	6.05	45.4	-	< 0.001	< 0.002[a]
	QUL-21-18M	2014 09 18	52.7	7.53	7.96	8.7	1.01	103	73	< 3	1.94	-	0.156	< 5	102	< 1	-	< 0.5	34	6.15	47.8	-	< 0.001	< 0.002[a]
	QUL-21-46M	2014 09 18	64.9	7.7	7.94	6.3	43.9	102	105	5.8	1.93	-	0.284	37.3	167	1.8	-	< 0.5	60	13.6	48.9	-	0.0015	**0.0021**
	QUL-21-0M	2014 09 20	48.8	8.09	7.96	15.9	0.37	100	65	< 3	1.69	-	0.129	< 5	56.2	< 1	-	< 0.5	33	6.03	47.4	-	< 0.001	< 0.002[a]
	QUL-21-30M	2014 09 20	52.5	7.62	7.91	5.3	5.08	110	69	< 3	1.65	-	0.215	< 5	152	< 1	-	< 0.5	39	7.13	51.3	-	< 0.001	< 0.002[a]
	QUL-21-45M	2014 09 20	66.7	7.84	7.99	6.4	61.8	148	102	7.9	1.72	-	0.332	46.8	197	2	-	0.53	68	16.3	59.3	-	0.0022	**0.0025**
	QUL-21-0M	2014 09 23	51.4	7.81	7.95	15.33	0.48	101	65	< 3	1.9	-	0.114	< 5	52.5	< 1	-	< 0.5	31	6.04	48.9	-	< 0.001	< 0.002[a]
	QUL-21X-0M	2014 09 23	50.7	7.81	7.94	15.33	0.4	101	62	< 3	1.97	-	0.117	< 5	52.7	< 1	-	< 0.5	31	6.05	49.7	-	0.0015	< 0.002[a]
	QA/QC RPD %		1	0	< 1	0	*	0	5	*	*	-	*	*	< 1	*	-	*	*	< 1	2	-	*	*
	QUL-21-20M	2014 09 23	51.8	7.64	7.91	8.9	0.79	104	67	< 3	2.08	-	0.167	5.2	102	< 1	-	< 0.5	34	6.18	50.7	-	< 0.001	< 0.002[a]
	QUL-21-47M	2014 09 23	66.7	7.54	8	6.37	54.7	147	103	8.2	1.96	-	0.31	44.8	188	2.1	-	0.52	68	16.1	61.7	-	0.0025	**0.004**
QUL-22	QUL-22	2014 08 08	49.6	7.85	7.91	13.8	0.34	99.5	70	< 3	2.21	-	0.162	< 5	95.5	< 1	-	< 0.5	34	5.62	44.2	-	< 0.001	< 0.002[a]
	QUL-22	2014 08 09	49.5	7.77	7.87	16.8	0.4	97.1	69	< 3	2.26	-	0.148	< 5	78.6	< 1	-	< 0.5	35	5.6	43	-	< 0.001	< 0.002[a]
	QUL-22	2014 08 10	48.7	7.90	7.92	18.4	0.35	96.3	64	< 3	2.26	-	0.135	< 5	67.4	< 1	-	< 0.5	35	5.59	45.4	-	< 0.001	< 0.002[a]
	QUL-22	2014 08 11	47.3	7.81	7.94	20.0	0.51	98.5	67	< 3	2.23	-	0.144	< 5	60.1	< 1	-	< 0.5	34	5.64	44.3	-	< 0.001	< 0.002[a]
	QUL-22	2014 08 12	47.3	8.01	7.97	20.4	0.51	95.3	64	< 3	1.94	-	0.132	< 5	58.2	< 1	-	< 0.5	34	5.69	44.3	-	0.0014	< 0.002[a]
	QUL-22	2014 08 13	47.4	-	7.98	20.6	0.32	98.1	60	< 3	2.2	-	0.123	< 5	44.8	< 1	-	< 0.5	32	5.63	44.5	-	< 0.001	< 0.002[a]
	QUL-22	2014 08 14	49.6	7.84	7.91	21.1	0.31	97.2	65	< 3	2.1	-	0.108	< 5	41.2	< 1	-	< 0.5	36	5.62	43.3	-	< 0.001	< 0.002[a]
	QUL-22	2014 08 15	45.2	8.11	7.99	20.7	0.21	95.9	70	< 3	1.89	-	0.101	< 5	40.1	< 1	-	< 0.5	35	5.61	43.7	-	< 0.001	**0.0024**
	QUL-22	2014 08 16	47.9	8.19	7.91	20.7	0.29	94.2	63	< 3	2.09	-	0.106	< 5	40.6	< 1	-	< 0.5	36	5.59	43.4	-	< 0.001	< 0.002[a]
	QUL-22	2014 08 17	47.4	7.88	7.98	21.1	0.29	96.6	63	< 3	2.4	-	0.123	< 5	41.3	< 1	-	< 0.5	34	5.61	44.2	-	< 0.001	< 0.002[a]
	QUL-22	2014 08 19	48.5	7.90	7.92	20.1	0.44	96.7	64	< 3	2.1	-	0.111	< 5	39	< 1	-	< 0.5	32	5.53	44.3	-	< 0.001	< 0.002[a]
	QUL-22	2014 08 21	49.5	8.25	7.76	17.4	0.65	96.6	63	< 3	1.95	-	0.131	< 5	60.7	< 1	-	< 0.5	35	5.67	43	-	< 0.001	< 0.002[a]
	QUL22	2014 08 22	49.9	7.98	7.92	17.3	0.54	96.9	66	< 3	2.41	-	0.138	< 5	64.5	< 1	-	< 0.5	34	5.71	51.2	-	< 0.001	0.0051
	QUL-22	2014 08 23	49.8	7.85	7.86	17.1	0.55	99.2	62	< 3	2.2	-	0.132	< 5	69	< 1	-	< 0.5	32	5.69	44.7	-	< 0.001	< 0.002[a]
	QUL-22-0M	2014 08 26	49.6	7.78	7.98	17.3	0.52	96.9	68	< 3	2.16	-	0.124	< 5	55.8	< 1	-	< 0.5	35	5.77	44	-	< 0.001	**0.0021**
	QUL-22-4M	2014 08 26	50.1	7.75	8	17.2	0.64	97.4	67	< 3	2.1	-	0.133	< 5	57.8	< 1	-	< 0.5	36	5.79	44.7	-	0.0023	**0.0038**
	QUL-22-9M	2014 08 26	50.5	7.73	8.01	16.1	0.7	97.8	67	< 3	2.1	-	0.139	< 5	61.4	< 1	-	< 0.5	35	5.8	44.7	-	< 0.001	**0.0023**
	QUL-22-0M	2014 08 28	49.2	8.10	7.93	18.9	0.37	97.2	60	< 3	2.19	-	0.131	< 5	47.7	< 1	-	< 0.5	34	5.76	45.6	-	< 0.001	< 0.002[a]
	QUL-22-9M	2014 08 28	49.6	8.05	7.93	17.4	0.8	97.3	58	< 3	2.17	-	0.131	< 5	53.9	< 1	-	< 0.5	34	5.79	45.5	-	< 0.001	**0.0023**
	QUL-22-0M	2014 09 03	50	8.08	7.99	17.86	0.32	98.4	66	< 3	2.1	-	0.109	5.9	40.9	< 1	-	< 0.5	33	5.7	44.7	-	< 0.001	< 0.002[a]
	QUL-22-6M	2014 09 03	51.2	7.68	7.95	12.88	0.71	101	63	< 3	2.01	-	0.154	7.5	91.6	< 1	-	< 0.5	34	5.9	46.2	-	< 0.001	< 0.002[a]
	QUL-22-9M	2014 09 03	52	7.46	7.93	9.75	1.04	103	66	< 3	1.96	-	0.171	7.4	115	< 1	-	< 0.5	34	5.98	47.5	-	< 0.001	< 0.002[a]
	QUL-22-0M	2014 09 05	49.7	-	7.95	-	0.41	100	60	< 3	1.99	-	0.109	5.9	43.6	< 1	-	< 0.5	32	5.77	46.2	-	< 0.001	< 0.002[a]
	QUL-22-6M	2014 09 05	50	-	7.93	-	0.62	101	59	< 3	1.96	-	0.115	5.7	50.8	< 1	-	< 0.5	32	5.81	45.9	-	< 0.001	< 0.002[a]
	QUL-22-9M	2014 09 05	51.5	-	7.93	-	0.85	104	63	< 3	1.78	-	0.178	7.6	119	< 1	-	< 0.5	33	5.95	47.6	-	< 0.001	< 0.002[a]
	QUL-22-9M	2014 09 03	51.5	8.07	-	17.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUL-22-0M	2014 09 07	50	8.07	7.95	17.7	0.61	98.5	61	< 3	1.98	-	0.121	< 5	41.1	< 1	-	< 0.5	32	5.78	46.2	-	< 0.001	< 0.002[a]
	QUL-22-8M	2014 09 07	49.9	8.02	7.94	16.4	0.92	99.5	60	< 3	1.84	-	0.126	< 5	49.1	< 1	-	< 0.5	32	5.84	46.2	-	< 0.001	< 0.002[a]
	QUL-22	2014 09 08	49.9	8.23	7.99	16.5	0.66	98.4	58	< 3	1.87	-	0.11	< 5	43.6	< 1	-	< 0.5	32	5.81	46.8	-	< 0.001	**0.003**
	QUL-22-0M	2014 09 10	51.1	7.68	7.89	10.5	1.11	104	62	< 3	1.9	-	0.16	< 5	111	< 1	-	< 0.5	35	5.98	48.8	-	< 0.001	< 0.002[a]
	QUL-22-5M	2014 09 10	51.8	7.55	7.88	6.6	1.1	105	61	< 3	1.85	-	0.176	< 5	130	< 1	-	< 0.5	35	6.04	49.3	-	< 0.001	< 0.002[a]
	QUL-22-9M	2014 09 10	53	7.53	7.88	5	2.79	108	70	< 3	1.82	-	0.182	< 5	143	< 1	-	< 0.5	36	6.45	48.3	-	< 0.001	< 0.002[a]

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

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[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

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TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																												
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																															
BCWQG Aquatic Life (AW)[b,c]			30-100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50-1000[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
QUL-21	QUL-21-18M	2014 09 14	7.8	17.6	< 30	2	0.517	0.478	0.866	< 0.1	0.11	5.79	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.17	< 0.05	0.83	-	0.319	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.146	< 1	< 3
	QUL-21-47M	2014 09 14	21.5	23.3	< 30	2.6	58.9	1.05	3.52	0.26	0.77	16.8	< 0.1	< 10	< 0.01	< 0.5	< 0.1	5.88	< 0.05	1.19	-	6.15	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.613	< 1	< 3
	QUL-21-0M	2014 09 14	8.3	17.2	< 30	1.83	0.327	0.455	0.805	< 0.1	0.1	5.1	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.63	< 0.05	0.79	-	0.279	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.14	< 1	< 3
	QUL-21-0M	2014 09 16	10	17.5	< 30	1.92	0.254	0.436	0.776	< 0.1	< 0.1	4.72	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.7	-	0.243	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.143	< 1	< 3
	QUL-21-30M	2014 09 16	7.3	19.1	< 30	2.16	9.52	0.555	1.29	< 0.1	0.19	7.28	< 0.1	< 10	< 0.01	< 0.5	< 0.1	2.36	< 0.05	0.92	-	1.07	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.206	< 1	< 3
	QUL-21-46M	2014 09 16	14.3	23.1	< 30	2.54	53.5	1.02	3.34	0.24	0.67	16	< 0.1	< 10	< 0.01	< 0.5	< 0.1	5.93	< 0.05	1.1	-	5.56	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.579	< 1	< 3
	QUL-21-0M	2014 09 18	9.4	17.5	< 30	1.9	0.326	0.436	0.791	< 0.1	0.1	4.66	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.7	-	0.24	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.152	< 1	< 3
	QUL-21-18M	2014 09 18	7	17.8	< 30	2	0.148	0.462	0.875	< 0.1	0.11	5.66	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.82	< 0.05	0.75	-	0.331	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.151	< 1	< 3
	QUL-21-46M	2014 09 18	13.4	22	< 30	2.42	41.7	0.92	2.98	0.21	0.56	13.7	< 0.1	< 10	< 0.01	< 0.5	< 0.1	5.47	< 0.05	1.05	-	4.5	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.495	< 1	< 3
	QUL-21-0M	2014 09 20	8.5	16.6	< 30	1.77	0.174	0.423	0.751	< 0.1	0.1	4.82	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.78	-	0.261	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.148	< 1	< 3
	QUL-21-30M	2014 09 20	6.7	17.8	< 30	1.96	5.73	0.509	1.08	< 0.1	0.16	6.84	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.79	< 0.05	0.81	-	0.66	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.195	< 1	< 3
	QUL-21-45M	2014 09 20	14.7	22.6	< 30	2.5	51	1.03	3.52	0.26	0.69	16.3	< 0.1	< 10	< 0.01	< 0.5	< 0.1	6.07	< 0.05	1.01	-	5.53	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.606	< 1	< 3
	QUL-21-0M	2014 09 23	8.6	17.4	< 30	1.93	0.169	0.457	0.799	< 0.1	< 0.1	4.83	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.51	< 0.05	1.02	-	0.246	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.151	< 1	< 3
	QUL-21X-0M	2014 09 23	8.6	17.2	< 30	1.89	0.213	0.456	0.795	< 0.1	< 0.1	4.82	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.5	< 0.05	1.03	-	0.242	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.148	< 1	< 3
	QA/QC RPD %		*	1	*	2	*	< 1	< 1	*	*	< 1	*	*	*	*	*	*	*	*	*	-	*	*	*	*	*	*	2	*	*
	QUL-21-20M	2014 09 23	7.6	17.5	< 30	1.98	0.205	0.484	0.888	< 0.1	0.11	5.58	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.52	< 0.05	0.98	-	0.338	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.156	< 1	< 3
	QUL-21-47M	2014 09 23	16.4	22.6	< 30	2.5	45.4	1.05	3.44	0.29	0.68	14.9	< 0.1	< 10	0.011	< 0.5	< 0.1	6.76	< 0.05	1.34	-	5.8	< 0.5	0.55	< 0.01	< 0.01	< 10	0.6	< 1	< 3
QUL-22	QUL-22	2014 08 08	9	16.7	< 30	1.92	0.518	0.466	0.839	< 0.1	< 0.1	5.15	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.281	0.52	< 0.5	< 0.01	< 0.01	< 10	0.15	< 1	< 3
	QUL-22	2014 08 09	9.8	16.7	< 30	1.9	0.467	0.462	0.827	< 0.1	< 0.1	5.19	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.6	-	0.263	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.134	< 1	< 3
	QUL-22	2014 08 10	10.8	16.4	< 30	1.88	0.53	0.478	0.845	< 0.1	0.11	5.16	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.5	< 0.05	< 0.5	-	0.281	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.132	< 1	< 3
	QUL-22	2014 08 11	11.7	15.9	< 30	1.84	0.692	0.488	0.833	< 0.1	0.11	5.23	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	1.02	-	0.271	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.125	< 1	< 3
	QUL-22	2014 08 12	10.4	15.9	< 30	1.85	0.38	0.471	0.831	< 0.1	0.11	5.09	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.71	-	0.308	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.141	< 1	< 3
	QUL-22	2014 08 13	10.6	15.9	< 30	1.86	0.185	0.467	0.825	< 0.1	0.1	5.31	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.5	< 0.05	1	-	0.289	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.135	< 1	< 3
	QUL-22	2014 08 14	10.2	16.7	< 30	1.94	0.579	0.487	0.83	< 0.1	0.11	5.42	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.62	-	0.312	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.12	< 1	< 3
	QUL-22	2014 08 15	10.5	15.2	< 30	1.76	0.481	0.483	0.851	< 0.1	0.12	5.56	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.5	< 0.05	< 0.5	-	0.315	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
	QUL-22	2014 08 16	10.1	16.1	< 30	1.88	0.511	0.496	0.838	< 0.1	0.11	6.23	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.54	< 0.05	0.52	-	0.335	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
	QUL-22	2014 08 17	10.7	15.9	< 30	1.88	0.517	0.475	0.847	< 0.1	0.12	5.37	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.51	-	0.3	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.134	< 1	< 3
	QUL-22	2014 08 19	9.7	16.3	< 30	1.91	0.449	0.467	0.819	< 0.1	0.11	5.4	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.74	-	0.31	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.13	< 1	< 3
	QUL-22	2014 08 21	10.6	16.7	< 30	1.9	0.7	0.455	0.822	< 0.1	< 0.1	5.39	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.74	< 0.05	0.86	-	0.28	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.139	< 1	< 3
	QUL22	2014 08 22	11.6	16.8	< 30	1.9	0.771	0.472	0.85	< 0.1	< 0.1	5.37	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.82	< 0.05	0.9	-	0.286	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.142	< 1	< 3
	QUL-22	2014 08 23	10.1	16.8	< 30	1.9	0.894	0.466	0.81	< 0.1	0.11	5.4	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.88	< 0.05	0.99	-	0.277	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.13	< 1	< 3
	QUL-22-0M	2014 08 26	9.7	16.7	< 30	1.91	0.73	0.459	0.812	< 0.1	< 0.1	5.49	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.01	< 0.05	0.59	-	0.28	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.127	< 1	< 3
	QUL-22-4M	2014 08 26	10.4	16.9	< 30	1.93	0.713	0.449	0.816	< 0.1	< 0.1	5.54	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.01	< 0.05	0.59	-	0.283	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.13	< 1	< 3
	QUL-22-9M	2014 08 26	10	17	< 30	1.94	0.673	0.452	0.809	< 0.1	0.1	5.43	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.03	< 0.05	0.63	-	0.298	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.127	< 1	< 3
	QUL-22-0M	2014 08 28	9.6	16.5	< 30	1.92	0.563	0.467	0.832	< 0.1	0.11	5.38	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.65	< 0.05	< 0.5	-	0.291	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.139	< 1	< 3
	QUL-22-9M	2014 08 28	10.1	16.7	< 30	1.92	0.551	0.473	0.84	< 0.1	0.12	5.73	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.93	< 0.05	< 0.5	-	0.291	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.142	< 1	< 3
	QUL-22-0M	2014 09 03	9.8	16.8	< 30	1.93	0.46	0.449	0.828	< 0.1	0.12	5.39	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.59	< 0.05	0.56	-	0.286	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.138	< 1	< 3
	QUL-22-6M	2014 09 03	9.4	17.3	< 30	1.94	0.438	0.457	0.853	< 0.1	0.1	5.61	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.06	< 0.05	0.62	-	0.283	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.14	< 1	< 3
	QUL-22-9M	2014 09 03	6.9	17.6	< 30	1.98	0.944	0.462	0.88	< 0.1	< 0.1	5.54	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.96	< 0.05	0.65	-	0.288	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.142	< 1	< 3
	QUL-22-0M	2014 09 05	9	16.7	< 30	1.94	0.353	0.451	0.822	< 0.1	0.1	5.24	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.64	< 0.05	1	-	0.278	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
	QUL-22-6M	2014 09 05	9	16.8	< 30	1.95	0.349	0.454	0.824	< 0.1	0.11	5.33	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.77	< 0.05	0.96	-	0.279	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.134	< 1	< 3
	QUL-22-9M	2014 09 05	7.7	17.3	< 30	2	0.474	0.456	0.856	< 0.1	< 0.1	5.24	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.9	< 0.05	1	-	0.264	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.145	< 1	< 3
	QUL-22-9M	2014 09 03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUL-22-0M	2014 09 07	9.3	16.8	< 30	1.96	0.319	0.46	0.824	< 0.1	0.1	5.43	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.7	< 0.05	0.72	-	0.31	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.134	< 1	< 3
	QUL-22-8M	2014 09 07	8.9	16.8	< 30	1.94	0.207	0.458	0.839	< 0.1	< 0.1	5.63	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.93	< 0.05	0.65	-	0.301	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.141	< 1	< 3
	QUL-22	2014 09 08	9.8	16.8	< 30	1.93	0.259	0.474	0.844	< 0.1	0.1	5.42	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.81	< 0.05	0.58	-	0.286	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
	QUL-22-0M	2014 09 10	7.9	17.3	< 30	1.92	0.741	0.463	0.879	< 0.1	0.11	5.78	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.31	< 0.05	0.79	-	0.305	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.147	< 1	< 3
	QUL-22-5M	2014 09 10	6.7	17.5	< 30	1.97	0.334	0.47	0.896	< 0.1	< 0.1	5.34	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.97	< 0.05	0.9	-	0.288	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.149	< 1	< 3
	QUL-22-9M	2014 09 10	6.9	17.9	< 30	2.01	4.75	0.492	1.03	< 0.1	0.15	6	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.42	< 0.05	0.82	-	0.502	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.172	< 1	< 3

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Metals																														
			Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bismuth (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Magnesium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Potassium (µg/L)	Selenium (µg/L)	Silicon (µg/L)	Silver (µg/L)	Sodium (µg/L)	Thallium (µg/L)	Tin (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																																	
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.016-0.079[d]	n/a	1 (Cr(+6))	110	6.0-27.9[d]	1,000	27.3-297.3[d]	870	n/a	1001-3582[d]	Methyl mercury analysis in progress	2,000	25-150[d]	373,000-432,000	2	n/a	0.1-3.0[d]	n/a	0.3	n/a	2,000	300	6	33-172.5[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	2-11[d]	n/a	4.4-14.9[d]	14[i]	n/a	791.1-1819[d]		1,000	n/a	n/a	n/a	n/a	0.05-1.5[d]	n/a	n/a	n/a	n/a	n/a	n/a	7.5-147[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	n/a	2	n/a	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	n/a	50	1	n/a	n/a	n/a	10	n/a	n/a	200,000	n/a	n/a	n/a	20	n/a	5,000
QUL-21	QUL-21-18M	2014 09 14	69	< 0.1	0.11	6.62	< 0.1	< 0.5	< 10	< 0.01	17,400	< 0.5	< 0.1	**2.26**	65	< 0.05	0.83	1,990	3.04	-	0.369	< 0.5	488	< 0.5	1,700	< 0.01	883	< 0.01	< 0.1	< 10	0.158	< 1	< 3
	QUL-21-47M	2014 09 14	***3,380***	0.33	1.61	96.1	< 0.1	< 0.5	< 10	0.016	23,400	**1.52**	1.18	**65.8**	***1,690***	1.09	2.46	3,320	***111***	-	6.27	1.55	2,620	0.55	9,690	0.025	4,070	0.01	0.1	128	0.664	6	5.9
	QUL-21-OM	2014 09 14	27.1	< 0.1	0.12	5.45	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	0.95	< 30	< 0.05	0.88	1,850	1.34	-	0.302	< 0.5	469	< 0.5	1,440	< 0.01	845	< 0.01	< 0.1	< 10	0.149	< 1	< 3
	QUL-21-0M	2014 09 16	15.9	< 0.1	< 0.1	4.77	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	0.55	< 30	< 0.05	0.81	1,870	0.683	-	0.307	< 0.5	434	< 0.5	1,380	< 0.01	773	< 0.01	< 0.1	< 10	0.145	< 1	< 3
	QUL-21-30M	2014 09 16	***512***	< 0.1	0.33	18.1	< 0.1	< 0.5	< 10	< 0.01	18,100	< 0.5	0.21	**10.5**	282	0.176	0.97	2,170	21	-	1.13	0.57	763	< 0.5	2,870	< 0.01	1,340	< 0.01	< 0.1	21	0.22	1	< 3
	QUL-21-46M	2014 09 16	***3,450***	0.28	1.55	95.1	< 0.1	< 0.5	< 10	0.019	23,100	**1.51**	1.15	**62.8**	***1,630***	1.04	2.5	3,240	***108***	-	5.89	1.58	2,670	0.51	10,100	0.025	3,900	0.011	< 0.1	122	0.639	5.9	5.9
	QUL-21-0M	2014 09 18	13.7	< 0.1	< 0.1	4.75	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	< 0.5	< 30	< 0.05	0.71	1,880	0.662	-	0.242	< 0.5	432	< 0.5	1,390	< 0.01	792	< 0.01	< 0.1	< 10	0.156	< 1	< 3
	QUL-21-18M	2014 09 18	57.1	< 0.1	0.13	6.39	< 0.1	< 0.5	< 10	< 0.01	17,600	< 0.5	< 0.1	2.1	47	< 0.05	0.82	2,000	2.71	-	0.379	< 0.5	491	< 0.5	1,690	< 0.01	901	< 0.01	< 0.1	< 10	0.159	< 1	< 3
	QUL-21-46M	2014 09 18	***2,480***	0.24	1.2	69.5	< 0.1	< 0.5	< 10	0.018	21,700	**1.11**	0.8	**46.3**	***1,170***	0.785	1.96	2,890	***78.3***	-	4.53	1.14	2,080	< 0.5	7,540	0.017	3,230	0.01	< 0.1	88	0.531	4.3	4.9
	QUL-21-0M	2014 09 20	16.6	< 0.1	0.1	5.02	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.67	< 30	< 0.05	0.79	1,760	0.829	-	0.265	< 0.5	444	< 0.5	1,370	< 0.01	781	< 0.01	< 0.1	< 10	0.153	< 1	< 3
	QUL-21-30M	2014 09 20	***233***	< 0.1	0.24	11.3	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	0.1	**6.32**	144	0.11	0.97	1,970	13.1	-	0.754	< 0.5	604	< 0.5	2,120	< 0.01	1,130	< 0.01	< 0.1	12	0.207	< 1	< 3
	QUL-21-45M	2014 09 20	***3,040***	0.3	1.44	88	< 0.1	< 0.5	< 10	0.019	22,200	**1.32**	0.99	**61.3**	***1,410***	1.04	2.13	2,930	***98.7***	-	5.85	1.39	2,410	0.51	8,940	0.021	4,030	0.012	< 0.1	106	0.684	5.2	5.4
	QUL-21-0M	2014 09 23	22.9	< 0.1	0.13	4.99	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	0.89	< 30	< 0.05	0.99	1,840	1.02	-	0.292	< 0.5	475	< 0.5	1,390	< 0.01	826	< 0.01	< 0.1	< 10	0.159	< 1	< 3
	QUL-21X-0M	2014 09 23	52.1	< 0.1	0.13	4.96	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	0.94	89	< 0.05	1	1,900	1.86	-	0.304	< 0.5	474	< 0.5	1,460	< 0.01	810	< 0.01	< 0.1	< 10	0.158	< 1	< 3
	QA/QC RPD %		78	*	*	< 1	*	*	*	*	1	*	*	*	*	*	*	3	*	-	4	*	< 1	*	5	*	2	*	*	*	< 1	*	*
	QUL-21-20M	2014 09 23	40.9	< 0.1	0.15	6.17	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	1.93	< 30	< 0.05	1.04	1,950	2	-	0.38	< 0.5	504	< 0.5	1,650	< 0.01	928	< 0.01	< 0.1	< 10	0.158	< 1	< 3
	QUL-21-47M	2014 09 23	***3,000***	0.32	1.45	84.6	< 0.1	< 0.5	< 10	0.018	22,500	**1.23**	0.93	**58.7**	***1,290***	1.01	2.33	3,060	***94.5***	-	6.1	1.33	2,510	< 0.5	8,200	0.021	4,110	0.012	0.13	102	0.674	5.3	5.1
QUL-22	QUL-22	2014 08 08	18	< 0.1	0.12	5.4	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	0.62	< 30	< 0.05	0.54	1,940	1.14	< 0.05	0.291	< 0.5	471	< 0.5	1,630	< 0.01	849	< 0.01	< 0.1	< 10	0.154	< 1	< 3
	QUL-22	2014 08 09	22.3	< 0.1	0.11	5.26	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	0.63	< 30	< 0.05	0.56	1,920	0.947	< 0.05	0.306	< 0.5	457	< 0.5	1,610	< 0.01	825	< 0.01	< 0.1	< 10	0.136	< 1	< 3
	QUL-22	2014 08 10	21.8	< 0.1	0.13	5.58	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.8	< 30	< 0.05	< 0.5	1,890	1.12	< 0.05	0.288	< 0.5	496	< 0.5	1,610	< 0.01	877	< 0.01	< 0.1	< 10	0.131	< 1	< 3
	QUL-22	2014 08 11	23	< 0.1	0.14	5.31	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.76	< 30	< 0.05	0.89	1,910	1.26	< 0.05	0.307	< 0.5	488	< 0.5	1,570	< 0.01	848	< 0.01	< 0.1	< 10	0.137	< 1	< 3
	QUL-22	2014 08 12	17.1	< 0.1	0.11	5.14	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	< 0.1	0.65	< 30	< 0.05	0.81	1,870	1.29	< 0.05	0.304	< 0.5	469	< 0.5	1,570	< 0.01	837	< 0.01	< 0.1	< 10	0.136	< 1	< 3
	QUL-22	2014 08 13	15.8	< 0.1	0.14	5.43	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	0.59	< 30	< 0.05	0.78	1,950	1.17	< 0.05	0.319	< 0.5	477	< 0.5	1,610	< 0.01	852	< 0.01	< 0.1	< 10	0.136	< 1	< 3
	QUL-22	2014 08 14	15.4	< 0.1	0.11	5.48	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.83	< 30	< 0.05	1.08	1,910	1.41	-	0.324	< 0.5	476	< 0.5	1,640	< 0.01	893	< 0.01	< 0.1	< 10	0.137	< 1	< 3
	QUL-22	2014 08 15	15	< 0.1	0.14	5.56	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	< 0.1	0.63	< 30	< 0.05	< 0.5	1,870	1.37	-	0.324	< 0.5	472	< 0.5	1,610	< 0.01	843	< 0.01	< 0.1	< 10	0.135	< 1	< 3
	QUL-22	2014 08 16	13.8	< 0.1	0.12	5.45	< 0.1	< 0.5	< 10	< 0.01	15,900	< 0.5	< 0.1	0.63	< 30	< 0.05	< 0.5	1,880	1.29	-	0.296	< 0.5	469	< 0.5	1,570	< 0.01	827	< 0.01	< 0.1	< 10	0.129	< 1	< 3
	QUL-22	2014 08 17	14.8	< 0.1	0.14	5.36	< 0.1	< 0.5	< 10	< 0.01	15,700	< 0.5	< 0.1	< 1	< 30	< 0.05	0.64	1,860	1.18	-	0.32	< 0.5	481	< 0.5	1,550	< 0.01	866	< 0.01	< 0.1	< 10	0.136	< 1	< 3
	QUL-22	2014 08 19	16.1	< 0.1	0.12	5.46	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	0.64	< 30	< 0.05	0.86	1,920	1.17	-	0.324	< 0.5	478	< 0.5	1,580	< 0.01	843	< 0.01	< 0.1	< 10	0.136	< 1	< 3
	QUL-22	2014 08 21	48.4	< 0.1	0.15	5.88	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	1.65	41	< 0.05	0.75	1,940	2.04	-	0.325	< 0.5	466	< 0.5	1,600	< 0.01	823	< 0.01	< 0.1	< 10	0.146	< 1	< 3
	QUL22	2014 08 22	36.4	< 0.1	0.12	5.83	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	1.58	< 30	< 0.05	0.78	1,940	1.58	-	0.293	< 0.5	494	< 0.5	1,580	< 0.01	873	< 0.01	< 0.1	< 10	0.143	< 1	< 3
	QUL-22	2014 08 23	37.4	< 0.1	0.12	5.81	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	1.8	< 30	< 0.05	1	1,930	1.9	< 0.05	0.31	< 0.5	508	< 0.5	1,620	< 0.01	857	< 0.01	< 0.1	< 10	0.152	< 1	< 3
	QUL-22-0M	2014 08 26	39.1	< 0.1	0.13	5.79	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	1.74	31	< 0.05	0.65	1,910	1.96	< 0.01	0.322	< 0.5	466	< 0.5	1,580	< 0.01	826	< 0.01	< 0.1	< 10	0.137	< 1	< 3
	QUL-22-4M	2014 08 26	42	< 0.1	0.14	6.03	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	1.79	32	< 0.05	0.64	1,900	1.88	< 0.01	0.331	< 0.5	461	< 0.5	1,580	< 0.01	849	< 0.01	< 0.1	< 10	0.139	< 1	< 3
	QUL-22-9M	2014 08 26	37.6	< 0.1	0.11	5.82	< 0.1	< 0.5	< 10	< 0.01	16,100	< 0.5	< 0.1	1.92	32	< 0.05	0.55	1,870	1.9	< 0.01	0.303	< 0.5	428	< 0.5	1,530	< 0.01	787	< 0.01	< 0.1	< 10	0.132	< 1	< 3
	QUL-22-0M	2014 08 28	22.5	< 0.1	0.14	5.67	< 0.1	< 0.5	< 10	**0.165**	16,400	< 0.5	< 0.1	1.45	< 30	0.11	< 0.5	1,910	1.81	< 0.01	0.336	< 0.5	477	< 0.5	1,510	< 0.01	860	< 0.01	< 0.1	< 10	0.153	< 1	< 3
	QUL-22-9M	2014 08 28	39	< 0.1	0.12	6.07	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	1.7	31	< 0.05	< 0.5	1,940	1.98	< 0.01	0.31	< 0.5	480	< 0.5	1,560	< 0.01	858	< 0.01	< 0.1	< 10	0.145	< 1	< 3
	QUL-22-0M	2014 09 03	18.2	< 0.1	0.12	5.48	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	0.8	< 30	< 0.05	0.52	1,920	1.22	< 0.01	0.329	< 0.5	457	< 0.5	1,530	< 0.01	864	< 0.01	< 0.1	< 10	0.145	< 1	< 3
	QUL-22-6M	2014 09 03	32.1	< 0.1	0.12	5.95	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	1.63	< 30	< 0.05	0.53	1,910	1.91	< 0.01	0.302	< 0.5	458	< 0.5	1,580	< 0.01	854	< 0.01	< 0.1	< 10	0.148	< 1	< 3
	QUL-22-9M	2014 09 03	48.7	< 0.1	0.13	6.26	< 0.1	< 0.5	< 10	< 0.01	17,500	< 0.5	< 0.1	2	38	< 0.05	0.72	1,990	3	< 0.01	0.331	< 0.5	476	< 0.5	1,710	< 0.01	921	< 0.01	< 0.1	< 10	0.154	< 1	< 3
	QUL-22-0M	2014 09 05	28	< 0.1	0.14	5.61	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	1.08	< 30	< 0.05	1.22	2,000	1.42	-	0.356	< 0.5	470	< 0.5	1,590	< 0.01	859	< 0.01	< 0.1	< 10	0.155	< 1	< 3
	QUL-22-6M	2014 09 05	32.1	< 0.1	0.15	5.61	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	1.39	< 30	< 0.05	1.18	1,950	1.66	-	0.316	< 0.5	460	< 0.5	1,560	< 0.01	836	< 0.01	< 0.1	< 10	0.143	< 1	< 3
	QUL-22-9M	2014 09 05	45	< 0.1	0.14	5.67	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	1.7	41	< 0.05	1.24	1,970	2.18	-	0.286	< 0.5	474	< 0.5	1,680	< 0.01	875	< 0.01	< 0.1	< 10	0.156	< 1	< 3
	QUL-22-9M	2014 09 03	49.6	< 0.1	0.14	6	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	1.96	43	< 0.05	0.73	2,010	3.32	-	0.323	< 0.5	459	< 0.5	1,720	< 0.01	846	< 0.01	< 0.1	< 10	0.162	< 1	< 3
	QUL-22-0M	2014 09 07	29	< 0.1	0.12	5.94	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	1.22	< 30	< 0.05	0.7	2,020	1.47	-	0.371	< 0.5	479	< 0.5	1,610	< 0.01	871	< 0.01	< 0.1	< 10	0.162	< 1	< 3
	QUL-22-8M	2014 09 07	50.3	< 0.1	0.12	6.22	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	1.97	46	< 0.05	0.7	2,030	2.35	-	0.341	< 0.5	489	< 0.5	1,650	< 0.01	876	< 0.01	< 0.1	< 10	0.159	< 1	< 3
	QUL-22	2014 09 08	27.9	< 0.1	0.13	5.49	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	1.31	< 30	< 0.05	< 0.5	1,910	1.69	-	0.305	< 0.5	443	< 0.5	1,510	< 0.01	813	< 0.01	< 0.1	< 10	0.135	< 1	< 3
	QUL-22-0M	2014 09 10	47.5	< 0.1	0.13	6.25	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	**2.34**	42	< 0.05	0.95	1,950	2.79	-	0.348	< 0.5	473	< 0.5	1,690	< 0.01	880	< 0.01	< 0.1	< 10	0.158	< 1	< 3
	QUL-22-5M	2014 09 10	45.1	< 0.1	0.12	5.84	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	1.83	40	< 0.05	0.89	1,910	2.38	-	0.306	< 0.5	472	< 0.5	1,680	< 0.01	901	< 0.01	< 0.1	< 10	0.153	< 1	< 3
	QUL-22-9M	2014 09 10	***155***	< 0.1	0.22	8.45	< 0.1	< 0.5	< 10	< 0.01	18,000	< 0.5	< 0.1	**4.71**	117	0.15	1.03	2,070	11.5	-	0.517	< 0.5	569	< 0.5	2,030	< 0.01	1,060	< 0.01	< 0.1	< 10	0.188	< 1	< 3

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

			Physical Parameters									Total Inorganics												
Sample Location	Sample ID	Sample Date (yyyy mm dd)	Hardness (mg/L)	pH (field) (pH)	pH (pH)	Temperature (field) (C)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)	Total Kjeldahl Nitrogen (N) (mg/L)	Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Bromide (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus[g] (mg/L)
BC Guidelines																								
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	6.5-9.0		Change of 8	n/a	n/a	Change of 25	n/a	n/a	n/a	5,680-18,400[d]	32,800	60-600[d]	32,800[f]	600	988.2-1742[d]	n/a	n/a	n/a	n/a	0.005-0.015
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	+/-1 Degree change from ambient	Change of 2	n/a	n/a	Change of 5	+20% of median background	n/a	n/a	1,090-1,770[d]	3,000	20-200[d]	3,000[f]	150	n/a	128-429[d]	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	6.5-8.5	n/a[i]	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,000	500	n/a	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	6.5-8.5	n/a[i]	n/a[i]	n/a	500	n/a	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a	n/a
QUL-22	QUL-22-0M	2014 09 12	51	7.85	7.87	12.49	0.83	99.5	71	< 3	1.95	-	0.135	< 5	78.5	< 1	-	< 0.5	34	6.04	47.9	-	< 0.001	< 0.002[a]
	QUL-22-7M	2014 09 12	51.9	7.74	7.91	10.91	1.26	101	71	< 3	1.95	-	0.15	< 5	89.7	< 1	-	< 0.5	35	6.05	48.3	-	0.0017	< 0.002[a]
	QUL-22X-7M	2014 09 12	52.5	7.74	7.94	10.91	1.2	102	67	< 3	1.91	-	0.163	< 5	91.3	< 1	-	< 0.5	35	6.05	48.2	-	< 0.001	< 0.002[a]
	QA/QC RPD %		1	0	< 1	0	5	< 1	6	*	*	-	*	*	2	*	-	*	*	0	< 1	-	*	*
	QUL-22-9M	2014 09 14	51.3	7.81	7.78	12.9	0.83	102	68	< 3	1.65	-	0.134	< 5	71.2	< 1	-	< 0.5	34	5.99	47.9	-	< 0.001	**0.0024**
	QUL-22-OM	2014 09 14	51.2	7.82	7.77	14.3	0.53	102	66	< 3	1.74	-	0.131	< 5	69.1	< 1	-	< 0.5	35	5.98	48.1	-	0.0011	**0.0022**
	QUL-22-0M	2014 09 16	51.6	7.98	7.97	15.4	0.38	102	71	< 3	1.73	-	0.131	< 5	61.1	1.1	-	< 0.5	35	6.04	48.4	-	< 0.001	< 0.002[a]
	QUL-22-8M	2014 09 16	51.1	7.99	7.96	14.1	0.39	102	62	< 3	1.75	-	0.125	< 5	63.5	< 1	-	< 0.5	34	6.02	47.9	-	< 0.001	< 0.002[a]
	QUL-22-0M	2014 09 18	51.6	7.93	7.99	14.9	0.34	101	67	< 3	1.88	-	0.139	< 5	56.9	< 1	-	< 0.5	32	6.03	46.8	-	< 0.001	< 0.002[a]
	QUL-22-9M	2014 09 18	51.7	7.83	7.98	13.7	0.51	101	60	< 3	1.96	-	0.128	< 5	63.3	< 1	-	< 0.5	33	6.03	47.9	-	< 0.001	< 0.002[a]
	QUL-22-0M	2014 09 20	50	8.07	7.96	15.8	0.35	101	66	< 3	1.66	-	0.144	< 5	56	< 1	-	< 0.5	34	6.03	48.1	-	< 0.001	< 0.002[a]
	QUL-22X-0M	2014 09 20	48.2	8.07	7.94	15.8	0.35	101	64	< 3	1.56	-	0.142	< 5	55.8	< 1	-	< 0.5	34	6.02	47.6	-	< 0.001	< 0.002[a]
	QA/QC RPD %		4	0	< 1	0	*	0	3	*	*	-	*	*	< 1	*	-	*	*	< 1	1	-	*	*
	QUL-22-7M	2014 09 20	48.1	8.03	7.86	14.1	0.47	100	65	< 3	1.72	-	0.139	< 5	62	< 1	-	< 0.5	34	6.01	47.2	-	< 0.001	< 0.002[a]
	QUL-22-0M	2014 09 23	50.7	7.98	7.97	15.44	0.31	102	64	< 3	1.8	-	0.157	< 5	52.9	< 1	-	< 0.5	32	6.04	50.2	-	0.0011	< 0.002[a]
	QUL-22-5M	2014 09 23	50.6	7.97	7.96	15.1	0.38	102	64	< 3	1.98	-	0.134	< 5	53.2	< 1	-	< 0.5	32	6.05	49.4	-	0.0012	< 0.002[a]
	QUL-22-9M	2014 09 23	50.9	7.96	7.83	14.93	0.41	101	62	< 3	1.93	-	0.133	< 5	53.8	< 1	-	< 0.5	32	6.04	48.4	-	0.0014	< 0.002[a]
QUL-23	QUL23	2014 08 25	49.9	7.95	7.97	17.4	3.25	99	67	< 3	1.86	-	0.145	< 5	54.7	< 1	-	< 0.5	34	5.81	44.4	-	< 0.001	< 0.002[a]
	QUL23X	2014 08 25	49.7	7.95	7.94	17.4	0.71	98.9	64	< 3	1.92	-	0.151	< 5	54.7	< 1	-	< 0.5	35	5.8	44.5	-	< 0.001	< 0.002[a]
	QA/QC RPD %		< 1	0	< 1	0	128	< 1	5	*	*	-	*	*	0	*	-	*	*	< 1	< 1	-	*	*
	QUL-23	2014 08 27	49.1	8.03	7.99	19.0	2.06	98.9	72	3.7	2.09	-	0.121	< 5	42.4	< 1	-	< 0.5	35	5.77	45	-	0.001	< 0.002[a]
	QUL-23	2014 08 26	50.1	7.69	7.94	18.2	0.31	98	68	< 3	2.29	-	0.138	< 5	43.8	1	-	< 0.5	35	5.77	44.9	-	< 0.001	**0.0029**
	QUL-23	2014 08 28	49.2	8.16	7.85	19.8	0.38	97	63	< 3	2.28	-	0.134	< 5	45.8	< 1	-	< 0.5	34	5.77	45.5	-	< 0.001	< 0.002[a]
	QUL-23	2014 08 29	50.3	-	7.89	-	0.98	97.8	60	< 3	2.17	-	0.112	< 5	30.8	< 1	-	< 0.5	35	5.64	44.8	-	< 0.001	< 0.002[a]
	QUL-23	2014 08 31	50.7	8.01	7.94	18.75	5.43	100	55	< 3	1.82	-	0.12	< 5	42	< 1	-	< 0.5	31	5.72	45.3	-	< 0.001	< 0.002[a]
	QUL-23	2014 09 02	49.7	7.94	7.96	17.62	0.58	97.3	76	< 3	1.89	-	0.119	< 5	38.3	< 1	-	< 0.5	32	5.74	44.3	-	< 0.001	**0.0027**
	QUL-23	2014 09 03	49.8	8.07	7.99	17.85	0.82	98.1	65	< 3	2.15	-	0.107	< 5	39.1	< 1	-	< 0.5	33	5.72	45.9	-	< 0.001	**0.0021**
	QUL-23	2014 09 04	49.7	7.92	7.94	18.32	0.53	99.7	60	< 3	2.07	-	0.109	< 5	39.4	< 1	-	< 0.5	33	5.72	46.2	-	< 0.001	< 0.002[a]
	QUL-23	2014 09 06	50.1	8.29	7.95	18.26	0.67	99.1	60	< 3	1.88	-	0.134	< 5	39.1	< 1	-	< 0.5	33	5.81	46.5	-	< 0.001	< 0.002[a]
	QUL-23	2014 09 07	48.6	8.09	7.98	17.7	0.47	98.4	62	< 3	2.13	-	0.109	< 5	40.5	< 1	-	< 0.5	32	5.8	47.2	-	< 0.001	< 0.002[a]
	QUL-23	2014 09 08	50.4	8.24	8.01	16.7	0.9	98.1	57	< 3	1.88	-	0.11	< 5	38.7	< 1	-	< 0.5	32	5.8	46	-	< 0.001	**0.0025**
	QUL-23	2014 09 10	50.3	7.9	7.9	13.6	1.9	102	64	3.2	1.99	-	0.109	< 5	61	< 1	-	< 0.5	34	5.94	42.4	-	< 0.001	< 0.002[a]
	QUL-23	2014 09 11	51.4	7.89	7.92	11.9	1.26	103	68	< 3	1.85	-	0.137	< 5	88.5	< 1	-	< 0.5	35	6.07	49.2	-	0.0011	< 0.002[a]
	QUL-23	2014 09 12	51.6	7.84	7.91	12.75	1.13	99.5	62	< 3	1.72	-	0.134	< 5	72.6	< 1	-	< 0.5	34	6.02	51.6	-	< 0.001	< 0.002[a]
	QUL-23	2014 09 13	51.2	7.8	7.81	14.4	0.71	103	64	5.1	1.96	-	0.138	< 5	67	< 1	-	< 0.5	34	6	48	-	0.0017	**0.0028**
	QUL-23	2014 09 14	50.6	7.76	7.65	14.4	0.56	100	68	< 3	1.87	-	0.128	< 5	64.5	< 1	-	< 0.5	35	5.92	47.7	-	< 0.001	**0.0021**
	QUL-23	2014 09 15	51.6	8.06	7.96	14.7	0.51	101	49	< 3	1.73	-	0.129	< 5	61.1	< 1	-	< 0.5	33	6.05	48	-	< 0.001	**0.002**
	QUL-23	2014 09 16	51.2	8.09	7.96	15.2	0.73	101	62	< 3	1.76	-	0.111	< 5	60.3	< 1	-	< 0.5	34	6.04	48.2	-	< 0.001	< 0.002[a]
	QUL-23-0M	2014 09 17	51.6	8.16	7.97	14.7	0.5	101	65	< 3	1.87	-	0.125	< 5	57.6	< 1	-	< 0.5	35	5.99	48.2	-	< 0.001	< 0.002[a]
	QUL-23X-0M	2014 09 17	51	8.16	7.96	14.7	0.33	101	63	< 3	1.84	-	0.119	< 5	58.1	< 1	-	< 0.5	35	5.99	48.5	-	< 0.001	< 0.002[a]
	QA/QC RPD %		1	0	< 1	0	*	0	3	*	*	-	*	*	< 1	*	-	*	*	0	< 1	-	*	*
	QUL-23	2014 09 18	51.5	7.92	7.94	15.2	1.18	99.5	68	< 3	1.71	-	0.125	< 5	55.2	< 1	-	< 0.5	32	6.05	47.1	-	< 0.001	< 0.002[a]
	QUL-23X	2014 09 18	51.8	7.92	7.98	15.2	1.06	99.9	66	< 3	1.88	-	0.133	< 5	55.2	< 1	-	< 0.5	32	6.04	47.5	-	< 0.001	< 0.002[a]
	QA/QC RPD %		< 1	0	< 1	0	11	< 1	3	*	*	-	*	*	0	*	-	*	*	< 1	< 1	-	*	*
	QUL-23	2014 09 19	51.4	8.09	7.94	16.3	0.55	101	62	< 3	1.69	-	0.122	< 5	54.2	< 1	-	< 0.5	33	6.05	48	-	< 0.001	< 0.002[a]
	QUL-23	2014 09 20	50.2	7.98	7.94	15.4	1.26	101	70	< 3	1.77	-	0.134	< 5	51.5	< 1	-	< 0.5	34	6.05	48.5	-	< 0.001	< 0.002[a]
	QUL-23	2014 09 22	48.2	8	7.8	15.036	0.36	101	63	< 3	1.64	-	0.119	< 5	53.3	< 1	-	< 0.5	34	5.99	47.1	-	< 0.001	< 0.002[a]
	QUL-23	2014 09 23	51.3	7.48	7.97	14.99	0.53	101	55	< 3	2.2	-	0.157	< 5	42.4	< 1	-	< 0.5	23	4.4	49.9	-	< 0.001	< 0.002[a]

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

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SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

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SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																											
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																														
BCWQG Aquatic Life (AW)[b,c]			30-100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50-1000[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
QUL-22	QUL-22-0M	2014 09 12	8.1	17.3	< 30	1.92	0.54	0.444	0.835	< 0.1	0.1	5.44	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.13	< 0.05	0.78	-	0.311	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.136	< 1	< 3
	QUL-22-7M	2014 09 12	7.7	17.5	< 30	1.98	0.607	0.456	0.855	< 0.1	0.1	5.52	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.49	< 0.05	0.71	-	0.295	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.139	< 1	< 3
	QUL-22X-7M	2014 09 12	7.1	17.7	< 30	2.01	0.531	0.453	0.861	< 0.1	0.1	5.46	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.47	< 0.05	0.71	-	0.292	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.139	< 1	< 3
	QA/QC RPD %		*	1	*	2	13	< 1	< 1	*	*	1	*	*	*	*	*	*	*	*	-	1	*	*	*	*	*	0	*	*
	QUL-22-9M	2014 09 14	12.6	17.3	< 30	1.97	0.378	0.459	0.831	< 0.1	0.1	5.44	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.99	< 0.05	0.74	-	0.313	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.141	< 1	< 3
	QUL-22-0M	2014 09 14	8.7	17.3	< 30	1.96	0.438	0.461	0.827	< 0.1	0.11	5.33	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.65	< 0.05	0.77	-	0.305	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.141	< 1	< 3
	QUL-22-0M	2014 09 16	8.7	17.5	< 30	1.93	0.258	0.444	0.781	< 0.1	< 0.1	4.94	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.83	-	0.278	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.143	< 1	< 3
	QUL-22-8M	2014 09 16	8.8	17.3	< 30	1.91	0.151	0.455	0.81	< 0.1	< 0.1	5.01	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.8	< 0.05	0.8	-	0.273	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.141	< 1	< 3
	QUL-22-0M	2014 09 18	8	17.5	< 30	1.92	0.205	0.442	0.801	< 0.1	< 0.1	4.84	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.71	-	0.246	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.146	< 1	< 3
	QUL-22-9M	2014 09 18	8.3	17.5	< 30	1.95	0.091	0.456	0.841	< 0.1	0.1	5.11	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.65	< 0.05	0.74	-	0.281	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.146	< 1	< 3
	QUL-22-0M	2014 09 20	8.8	17	< 30	1.81	0.21	0.434	0.749	< 0.1	< 0.1	4.88	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.77	-	0.241	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.143	< 1	< 3
	QUL-22X-0M	2014 09 20	9.4	16.4	< 30	1.76	0.244	0.421	0.75	< 0.1	< 0.1	4.83	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.82	-	0.24	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.144	< 1	< 3
	QA/QC RPD %		*	4	*	3	*	3	< 1	*	*	1	*	*	*	*	*	*	*	*	-	*	*	*	*	*	*	< 1	*	*
	QUL-22-7M	2014 09 20	9	16.3	< 30	1.77	0.123	0.448	0.775	< 0.1	< 0.1	5.18	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.61	< 0.05	0.76	-	0.254	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.146	< 1	< 3
	QUL-22-0M	2014 09 23	8.2	17.2	< 30	1.91	0.204	0.433	0.784	< 0.1	< 0.1	5.02	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.61	< 0.05	< 0.5	-	0.236	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.148	< 1	< 3
	QUL-22-5M	2014 09 23	8.2	17.1	< 30	1.89	0.15	0.434	0.784	< 0.1	< 0.1	4.91	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.94	< 0.05	0.59	-	0.241	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.144	< 1	< 3
	QUL-22-9M	2014 09 23	7.9	17.3	< 30	1.89	0.126	0.437	0.792	< 0.1	0.1	4.82	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.88	< 0.05	0.77	-	0.245	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.151	< 1	< 3
QUL-23	QUL23	2014 08 25	11.5	16.8	< 30	1.91	1.07	0.468	0.831	< 0.1	0.11	5.7	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1	< 0.05	< 0.5	-	0.283	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.138	< 1	< 3
	QUL23X	2014 08 25	10.1	16.8	< 30	1.9	0.939	0.464	0.832	< 0.1	0.1	5.59	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.96	< 0.05	< 0.5	-	0.268	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
	QA/QC RPD %		*	0	*	< 1	13	< 1	< 1	*	*	2	*	*	*	*	*	*	*	*	-	5	*	*	*	*	*	< 1	*	*
	QUL-23	2014 08 27	10.7	16.5	< 30	1.92	1.05	0.453	0.861	< 0.1	0.11	5.33	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.57	< 0.05	0.7	-	0.293	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
	QUL-23	2014 08 26	9.6	16.9	< 30	1.91	3.57	0.49	0.83	< 0.1	< 0.1	5.94	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.88	< 0.05	0.62	-	0.296	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.128	< 1	< 3
	QUL-23	2014 08 28	10.2	16.5	< 30	1.93	0.6	0.47	0.839	< 0.1	0.12	5.39	< 0.1	< 10	0.013	< 0.5	< 0.1	0.57	< 0.05	< 0.5	-	0.305	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.145	< 1	< 3
	QUL-23	2014 08 29	9.8	16.9	< 30	1.95	3.45	0.494	0.848	< 0.1	0.12	5.92	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.71	< 0.05	0.53	-	0.293	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.13	< 1	< 3
	QUL-23	2014 08 31	9.2	17	< 30	1.99	0.899	0.466	0.815	< 0.1	0.11	5.37	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.58	< 0.05	< 0.5	-	0.282	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.129	< 1	< 3
	QUL-23	2014 09 02	9.5	16.7	< 30	1.91	0.878	0.469	0.825	< 0.1	0.1	5.5	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.58	< 0.05	0.75	-	0.294	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.136	< 1	< 3
	QUL-23	2014 09 03	9.9	16.8	< 30	1.91	0.688	0.451	0.836	< 0.1	< 0.1	5.42	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.65	< 0.05	0.58	-	0.296	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.132	< 1	< 3
	QUL-23	2014 09 04	9.7	16.8	< 30	1.92	1.12	0.454	0.805	< 0.1	0.1	5.56	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.69	< 0.05	0.68	-	0.312	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.139	< 1	< 3
	QUL-23	2014 09 06	10.4	16.9	< 30	1.93	1.54	0.476	0.829	< 0.1	0.11	5.6	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.9	< 0.05	0.73	-	0.296	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.132	< 1	< 3
	QUL-23	2014 09 07	10	16.4	< 30	1.89	0.421	0.462	0.83	< 0.1	0.11	5.37	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.67	< 0.05	0.71	-	0.292	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.138	< 1	< 3
	QUL-23	2014 09 08	9.7	17	< 30	1.92	1.18	0.465	0.837	< 0.1	0.13	5.42	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.67	< 0.05	< 0.5	-	0.289	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.132	< 1	< 3
	QUL-23	2014 09 10	9.5	17	< 30	1.92	1.26	0.466	0.888	< 0.1	0.15	5.76	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.28	< 0.05	0.81	-	0.319	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.142	< 1	< 3
	QUL-23	2014 09 11	9.4	17.4	< 30	1.94	1.66	0.472	0.859	< 0.1	0.11	6.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.44	< 0.05	< 0.5	-	0.335	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.146	< 1	< 3
	QUL-23	2014 09 12	8.2	17.4	< 30	1.98	0.719	0.442	0.841	< 0.1	0.11	5.48	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.97	< 0.05	0.76	-	0.289	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.135	< 1	< 3
	QUL-23	2014 09 13	8.6	17.3	< 30	1.95	0.903	0.466	0.845	< 0.1	0.13	5.39	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.72	< 0.05	0.52	-	0.301	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.142	< 1	< 3
	QUL-23	2014 09 14	8.5	17.1	< 30	1.92	0.519	0.447	0.779	< 0.1	< 0.1	5.12	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.53	< 0.05	0.87	-	0.276	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.142	< 1	< 3
	QUL-23	2014 09 15	8.9	17.4	< 30	1.95	0.594	0.453	0.789	< 0.1	< 0.1	5	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.89	< 0.05	0.76	-	0.277	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.136	< 1	< 3
	QUL-23	2014 09 16	9.1	17.3	< 30	1.93	0.737	0.448	0.789	< 0.1	< 0.1	5.01	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.55	< 0.05	0.71	-	0.26	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.145	< 1	< 3
	QUL-23-0M	2014 09 17	9.2	17.5	< 30	1.94	0.216	0.461	0.84	< 0.1	< 0.1	4.8	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.74	-	0.26	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.145	< 1	< 3
	QUL-23X-0M	2014 09 17	9.1	17.4	< 30	1.84	0.247	0.455	0.82	< 0.1	< 0.1	4.87	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.75	-	0.267	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.148	< 1	< 3
	QA/QC RPD %		*	< 1	*	5	*	1	2	*	*	1	*	*	*	*	*	*	*	*	-	3	*	*	*	*	*	2	*	*
	QUL-23	2014 09 18	8.8	17.5	< 30	1.91	1.5	0.419	0.76	< 0.1	< 0.1	4.83	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.76	-	0.243	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.147	< 1	< 3
	QUL-23X	2014 09 18	10	17.6	< 30	1.91	1.08	0.386	0.711	< 0.1	< 0.1	4.42	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.69	-	0.234	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.139	< 1	< 3
	QA/QC RPD %		*	< 1	*	0	33	8	7	*	*	9	*	*	*	*	*	*	*	*	-	*	*	*	*	*	*	6	*	*
	QUL-23	2014 09 19	8.7	17.4	< 30	1.9	0.652	0.435	0.789	< 0.1	< 0.1	4.87	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.55	< 0.05	0.75	-	0.249	< 0.5	< 0.5	< 0.01	0.011	< 10	0.154	< 1	< 3
	QUL-23	2014 09 20	9.2	17.1	< 30	1.81	0.827	0.429	0.745	< 0.1	< 0.1	5.16	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.56	< 0.05	0.73	-	0.251	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.143	< 1	< 3
	QUL-23	2014 09 22	8.9	16.4	< 30	1.75	0.372	0.43	0.787	< 0.1	< 0.1	4.99	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.6	-	0.266	< 0.5	< 0.5	< 0.01	0.012	< 10	0.155	< 1	< 3
	QUL-23	2014 09 23	9.2	17.4	< 30	1.91	0.305	0.472	0.813	< 0.1	< 0.1	4.82	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.64	< 0.05	1.08	-	0.255	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.151	< 1	< 3

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Metals																														
			Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bismuth (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Magnesium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Potassium (µg/L)	Selenium (µg/L)	Silicon (µg/L)	Silver (µg/L)	Sodium (µg/L)	Thallium (µg/L)	Tin (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																																	
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.016-0.079[d]	n/a	1 (Cr(+6))	110	6.0-27.9[d]	1,000	27.3-297.3[d]	870	n/a	1001-3582[d]	Methyl mercury analysis in progress	2,000	25-150[d]	373,000-432,000	2	n/a	0.1-3.0[d]	n/a	0.3	n/a	2,000	300	6	33-172.5[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	2-11[d]	n/a	4.4-14.9[d]	14[i]	n/a	791.1-1819[d]		1,000	n/a	n/a	n/a	n/a	0.05-1.5[d]	n/a	n/a	n/a	n/a	n/a	n/a	7.5-147[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	n/a	2	n/a	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	n/a	50	1	n/a	n/a	n/a	10	n/a	n/a	200,000	n/a	n/a	n/a	20	n/a	5,000
QUL-22	QUL-22-0M	2014 09 12	70.8	< 0.1	0.13	6.38	< 0.1	< 0.5	< 10	< 0.01	17,700	< 0.5	< 0.1	**2.26**	78	< 0.05	0.75	2,080	3.16	-	0.368	< 0.5	478	< 0.5	1,720	< 0.01	878	< 0.01	< 0.1	< 10	0.151	< 1	< 3
	QUL-22-7M	2014 09 12	70	< 0.1	0.12	6.24	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	**2.27**	66	< 0.05	0.8	1,960	3.21	-	0.324	< 0.5	467	< 0.5	1,650	< 0.01	871	< 0.01	< 0.1	< 10	0.149	< 1	< 3
	QUL-22X-7M	2014 09 12	77.5	< 0.1	0.13	6.56	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	**2.26**	72	< 0.05	0.78	1,980	3.19	-	0.308	< 0.5	463	< 0.5	1,680	< 0.01	868	< 0.01	< 0.1	< 10	0.143	< 1	< 3
	QA/QC RPD %		10	*	*	5	*	*	*	*	< 1	*	*	*	*	*	*	1	*	-	5	*	< 1	*	2	*	< 1	*	*	*	4	*	*
	QUL-22-9M	2014 09 14	55.3	< 0.1	0.12	6.21	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	1.67	47	< 0.05	0.8	1,910	2.55	-	0.341	< 0.5	476	< 0.5	1,570	< 0.01	854	< 0.01	< 0.1	< 10	0.144	< 1	< 3
	QUL-22-OM	2014 09 14	31.7	< 0.1	0.12	5.54	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	1.08	< 30	< 0.05	0.84	1,910	1.48	-	0.334	< 0.5	464	< 0.5	1,500	< 0.01	843	< 0.01	< 0.1	< 10	0.152	< 1	< 3
	QUL-22-0M	2014 09 16	18	< 0.1	0.1	4.94	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	0.6	< 30	< 0.05	0.84	1,890	0.837	-	0.258	< 0.5	437	< 0.5	1,400	< 0.01	793	< 0.01	< 0.1	< 10	0.149	< 1	< 3
	QUL-22-8M	2014 09 16	25.6	< 0.1	0.12	5.07	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	0.81	< 30	< 0.05	0.85	1,910	1.26	-	0.28	< 0.5	444	< 0.5	1,460	< 0.01	800	< 0.01	< 0.1	< 10	0.144	< 1	< 3
	QUL-22-0M	2014 09 18	16.5	< 0.1	0.12	4.95	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	0.71	< 30	< 0.05	0.7	1,920	0.959	-	0.277	< 0.5	453	< 0.5	1,440	< 0.01	823	< 0.01	< 0.1	< 10	0.151	< 1	< 3
	QUL-22-9M	2014 09 18	30.8	< 0.1	0.11	5.42	< 0.1	< 0.5	< 10	< 0.01	17,500	< 0.5	< 0.1	0.98	< 30	< 0.05	0.82	1,980	1.26	-	0.305	< 0.5	456	< 0.5	1,540	< 0.01	833	< 0.01	< 0.1	< 10	0.157	< 1	< 3
	QUL-22-0M	2014 09 20	18.7	< 0.1	0.11	5.16	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	0.62	< 30	< 0.05	0.68	1,850	0.826	-	0.286	< 0.5	457	< 0.5	1,450	< 0.01	815	< 0.01	< 0.1	< 10	0.158	< 1	< 3
	QUL-22X-0M	2014 09 20	16.4	< 0.1	0.12	5.11	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	0.55	< 30	< 0.05	0.84	1,780	0.752	-	0.265	< 0.5	455	< 0.5	1,380	< 0.01	808	< 0.01	< 0.1	< 10	0.153	< 1	< 3
	QA/QC RPD %		13	*	*	< 1	*	*	*	*	4	*	*	*	*	*	*	4	*	-	8	*	< 1	*	5	*	< 1	*	*	*	3	*	*
	QUL-22-7M	2014 09 20	19.9	< 0.1	0.11	5.27	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.81	< 30	< 0.05	0.72	1,780	1.01	-	0.278	< 0.5	450	< 0.5	1,430	< 0.01	795	< 0.01	< 0.1	< 10	0.147	< 1	< 3
	QUL-22-0M	2014 09 23	16	< 0.1	0.1	4.99	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	0.9	< 30	0.07	< 0.5	1,900	0.954	-	0.582	< 0.5	451	< 0.5	1,420	< 0.01	821	< 0.01	< 0.1	< 10	0.153	< 1	< 3
	QUL-22-5M	2014 09 23	17	< 0.1	0.11	4.95	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	1.07	< 30	< 0.05	0.64	1,880	0.934	-	0.267	< 0.5	433	< 0.5	1,400	< 0.01	798	< 0.01	< 0.1	< 10	0.153	< 1	< 3
	QUL-22-9M	2014 09 23	16.1	< 0.1	< 0.1	5.02	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	0.86	< 30	< 0.05	0.73	1,900	0.941	-	0.259	< 0.5	439	< 0.5	1,420	< 0.01	796	< 0.01	< 0.1	< 10	0.159	< 1	< 3
QUL-23	QUL23	2014 08 25	54.7	< 0.1	0.13	6.24	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	**2.18**	47	< 0.05	< 0.5	1,910	3.02	-	0.357	< 0.5	487	< 0.5	1,630	< 0.01	848	< 0.01	< 0.1	< 10	0.147	< 1	< 3
	QUL23X	2014 08 25	47.5	< 0.1	0.14	6.28	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	1.9	38	< 0.05	< 0.5	1,930	2.44	-	0.336	< 0.5	476	< 0.5	1,630	< 0.01	850	< 0.01	< 0.1	< 10	0.147	< 1	< 3
	QA/QC RPD %		14	*	*	< 1	*	*	*	*	1	*	*	*	*	*	*	1	*	-	6	*	2	*	0	*	< 1	*	*	*	0	*	*
	QUL-23	2014 08 27	***130***	< 0.1	0.15	6.54	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	1.76	135	0.051	0.77	1,970	5.5	< 0.01	0.336	< 0.5	487	< 0.5	1,760	< 0.01	895	< 0.01	< 0.1	< 10	0.148	< 1	< 3
	QUL-23	2014 08 26	66.4	< 0.1	0.14	6.49	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	**2.47**	70	< 0.05	0.57	1,860	4.33	< 0.01	0.311	< 0.5	467	< 0.5	1,570	< 0.01	803	< 0.01	< 0.1	< 10	0.133	< 1	< 3
	QUL-23	2014 08 28	23.8	< 0.1	0.16	5.75	< 0.1	< 0.5	< 10	< 0.05[a]	16,700	< 0.5	< 0.1	0.87	< 30	< 0.05	< 0.5	1,960	1.46	< 0.01	0.373	< 0.5	486	< 0.5	1,560	< 0.01	862	0.027	< 0.1	< 10	0.167	< 1	< 3
	QUL-23	2014 08 29	48.3	< 0.1	0.17	6.56	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	1.58	54	< 0.05	< 0.5	1,940	5.24	< 0.01	0.302	< 0.5	505	< 0.5	1,560	< 0.01	855	< 0.01	< 0.1	< 10	0.133	< 1	< 3
	QUL-23	2014 08 31	23.5	< 0.1	0.12	5.86	< 0.1	< 0.5	< 10	< 0.01	17,700	< 0.5	< 0.1	0.91	< 30	< 0.05	< 0.5	2,120	1.79	< 0.01	0.333	< 0.5	503	< 0.5	1,670	< 0.01	885	< 0.01	< 0.1	< 10	0.145	< 1	3.2
	QUL-23	2014 09 02	32.6	< 0.1	0.14	5.76	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	1.12	31	< 0.05	0.71	1,900	2.21	< 0.01	0.3	< 0.5	472	< 0.5	1,500	< 0.01	835	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QUL-23	2014 09 03	44.7	< 0.1	0.11	5.86	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	1.24	36	< 0.05	0.64	1,970	2.26	< 0.01	0.319	< 0.5	475	< 0.5	1,620	< 0.01	878	< 0.01	< 0.1	< 10	0.144	< 1	< 3
	QUL-23	2014 09 04	30.4	< 0.1	0.13	5.89	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	1.25	34	< 0.05	0.62	1,940	2.22	-	0.332	< 0.5	466	< 0.5	1,570	< 0.01	828	< 0.01	< 0.1	< 10	0.145	< 1	< 3
	QUL-23	2014 09 06	33.5	< 0.1	0.14	5.91	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	1.68	34	< 0.1	0.75	1,870	2.89	-	0.328	< 0.5	480	< 0.5	1,520	< 0.01	827	< 0.01	< 0.1	< 10	0.145	< 1	< 3
	QUL-23	2014 09 07	31.5	< 0.1	0.12	5.83	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	1.33	< 30	< 0.05	0.76	1,960	1.69	-	0.397	< 0.5	471	< 0.5	1,550	< 0.01	863	< 0.01	< 0.1	< 10	0.16	< 1	6.1
	QUL-23	2014 09 08	60.9	< 0.1	0.14	5.83	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	1.37	69	< 0.05	< 0.5	1,980	3.49	-	0.317	< 0.5	471	< 0.5	1,610	< 0.01	843	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUL-23	2014 09 10	***111***	< 0.1	0.17	6.99	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	**2.98**	128	0.091	0.94	1,950	4.83	-	0.334	< 0.5	502	< 0.5	1,760	< 0.01	903	< 0.01	< 0.1	< 10	0.156	< 1	< 3
	QUL-23	2014 09 11	59.9	< 0.1	0.13	6.55	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	**2.53**	57	< 0.05	< 0.5	1,890	3.35	-	0.345	< 0.5	472	< 0.5	1,610	< 0.01	856	< 0.01	< 0.1	< 10	0.156	< 1	< 3
	QUL-23	2014 09 12	74.5	< 0.1	0.14	6.41	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	**2.16**	77	< 0.05	0.83	1,980	3.2	-	0.317	< 0.5	462	< 0.5	1,650	< 0.01	854	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUL-23	2014 09 13	49.1	< 0.1	0.13	5.64	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	1.48	43	< 0.05	< 0.5	1,890	2.26	-	0.314	< 0.5	475	< 0.5	1,490	< 0.01	841	< 0.01	< 0.1	< 10	0.152	< 1	< 3
	QUL-23	2014 09 14	32.7	< 0.1	0.11	5.35	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	1.06	< 30	0.054	0.82	1,850	1.55	-	0.278	< 0.5	467	< 0.5	1,430	< 0.01	811	< 0.01	< 0.1	< 10	0.148	< 1	< 3
	QUL-23	2014 09 15	43.2	< 0.1	0.12	5.62	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	1.19	37	< 0.05	0.91	1,880	1.99	-	0.335	< 0.5	466	< 0.5	1,490	< 0.01	831	< 0.01	< 0.1	< 10	0.151	< 1	< 3
	QUL-23	2014 09 16	31	< 0.1	0.1	5.42	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	0.89	< 30	< 0.05	0.77	1,900	1.38	-	0.285	< 0.5	446	< 0.5	1,450	< 0.01	791	< 0.01	< 0.1	< 10	0.145	< 1	< 3
	QUL-23-0M	2014 09 17	22.2	< 0.1	0.11	5.08	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	0.78	< 30	< 0.05	0.87	1,890	1.02	-	0.304	< 0.5	478	< 0.5	1,440	< 0.01	852	< 0.01	< 0.1	< 10	0.162	< 1	< 3
	QUL-23X-0M	2014 09 17	17	< 0.1	0.11	4.94	< 0.1	< 0.5	< 10	< 0.01	17,700	< 0.5	< 0.1	0.75	< 30	< 0.05	< 0.5	1,880	0.886	-	0.301	< 0.5	460	< 0.5	1,460	< 0.01	802	< 0.01	< 0.1	< 10	0.16	< 1	< 3
	QA/QC RPD %		27	*	*	3	*	*	*	*	5	*	*	*	*	*	*	< 1	*	-	< 1	*	4	*	1	*	6	*	*	*	1	*	*
	QUL-23	2014 09 18	51.6	< 0.1	0.13	5.11	< 0.1	< 0.5	< 10	< 0.01	17,500	< 0.5	< 0.1	0.8	79	< 0.05	0.74	1,930	2.81	-	0.275	< 0.5	430	< 0.5	1,480	< 0.01	784	< 0.01	< 0.1	< 10	0.159	< 1	< 3
	QUL-23X	2014 09 18	58.6	< 0.1	0.14	5.27	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	0.79	91	< 0.05	0.79	1,920	3.15	-	0.272	< 0.5	444	< 0.5	1,490	< 0.01	799	< 0.01	< 0.1	< 10	0.163	< 1	< 3
	QA/QC RPD %		13	*	*	3	*	*	*	*	1	*	*	*	*	*	*	< 1	*	-	1	*	3	*	< 1	*	2	*	*	*	3	*	*
	QUL-23	2014 09 19	33.4	< 0.1	< 0.1	5.09	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	0.95	31	< 0.05	0.74	1,850	1.5	-	0.311	< 0.5	443	< 0.5	1,410	< 0.01	827	< 0.01	< 0.1	< 10	0.161	< 1	< 3
	QUL-23	2014 09 20	50	< 0.1	0.12	5.79	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	1.62	43	< 0.05	0.7	1,800	2.29	-	0.312	< 0.5	446	< 0.5	1,460	< 0.01	785	< 0.01	< 0.1	< 10	0.159	< 1	< 3
	QUL-23	2014 09 22	15.7	< 0.1	0.1	5.25	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.73	< 30	< 0.05	0.63	1,760	1.13	-	0.302	< 0.5	446	< 0.5	1,360	< 0.01	837	< 0.01	< 0.1	< 10	0.159	< 1	< 3
	QUL-23	2014 09 23	19.6	< 0.1	0.11	4.98	< 0.1	< 0.5	< 10	0.013	16,600	< 0.5	< 0.1	1.43	< 30	0.087	0.98	1,870	1.32	-	0.285	< 0.5	706	< 0.5	1,380	< 0.01	961	< 0.01	< 0.1	< 10	0.15	< 1	4.9

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

			Physical Parameters									Total Inorganics												
Sample Location	Sample ID	Sample Date (yyyy mm dd)	Hardness (mg/L)	pH (field) (pH)	pH (pH)	Temperature (field) (C)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)	Total Kjeldahl Nitrogen (N) (mg/L)	Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Bromide (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus[g] (mg/L)
BC Guidelines																								
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	6.5-9.0		Change of 8	n/a	n/a	Change of 25	n/a	n/a	n/a	5,680-18,400[d]	32,800	60-600[d]	32,800[f]	600	988.2-1742[d]	n/a	n/a	n/a	n/a	0.005-0.015
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	+/-1 Degree change from ambient	Change of 2	n/a	n/a	Change of 5	+20% of median background	n/a	n/a	1,090-1,770[d]	3,000	20-200[d]	3,000[f]	150	n/a	128-429[d]	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	6.5-8.5	n/a[i]	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,000	500	n/a	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	6.5-8.5	n/a[i]	n/a[i]	n/a	500	n/a	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a	n/a
QUL-26	QUL-26-0M	2014 08 11	49	7.37	7.9	18.4	0.82	98.2	68	< 3	2.67	-	0.132	< 5	41	< 1	-	< 0.5	34	5.71	44.7	-	< 0.001	**0.0021**
	QUL-26-13M	2014 08 11	50.3	7.74	7.92	9.5	0.7	102	66	< 3	2.15	-	0.179	< 5	106	< 1	-	< 0.5	34	5.85	45.9	-	< 0.001	< 0.002[a]
	QUL-26-24M	2014 08 11	53.2	7.56	7.92	5.0	0.89	109	69	< 3	1.94	-	0.189	< 5	137	< 1	-	< 0.5	36	6.19	48.2	-	< 0.001	< 0.002[a]
	QUL-26	2014 08 12	47.8	7.87	7.93	20.2	0.4	96.1	66	< 3	2.21	-	0.141	< 5	45.3	< 1	-	< 0.5	36	5.68	44.7	-	< 0.001	< 0.002[a]
	QUL-26	2014 08 13	48.5	-	7.87	20.5	0.77	101	66	< 3	3.22	-	0.138	< 5	< 5	< 1	-	< 0.5	35	5.55	46.2	-	< 0.001	< 0.002[a]
	QUL-26-0M	2014 08 14	49.3	7.85	7.95	20.7	0.34	97.7	64	< 3	2.25	-	0.116	< 5	32.1	1	-	< 0.5	36	5.61	43.9	-	< 0.001	**0.0021**
	QUL-26-12M	2014 08 14	52.3	7.83	7.97	12.1	7.07	103	73	12.5	1.9	-	0.134	< 5	93.3	< 1	-	< 0.5	37	6.19	46.2	-	< 0.001	< 0.002[a]
	QUL-26-27M	2014 08 14	56	7.66	7.98	4.7	4.14	110	74	5.7	2.02	-	0.174	< 5	143	< 1	-	< 0.5	38	6.48	49.6	-	< 0.001	**0.0022**
	QUL-26	2014 08 15	49.1	7.97	7.97	22.0	0.34	97	62	< 3	1.95	-	0.109	< 5	39.5	< 1	-	< 0.5	36	5.63	43.2	-	< 0.001	< 0.002[a]
	QUL-26	2014 08 16	48.8	8.06	7.96	20.4	0.25	95	58	< 3	2.13	-	0.114	< 5	42.2	< 1	-	< 0.5	36	5.62	43.8	-	< 0.001	**0.0023**
	QUL-26-0M	2014 08 17	47.9	6.75	7.9	20.3	0.43	96.6	70	< 3	2.47	-	0.146	< 5	29.9	< 1	-	< 0.5	35	5.61	44.2	-	< 0.001	< 0.002[a]
	QUL-26-12M	2014 08 17	51.6	7.65	7.95	8.8	4.85	103	60	9.7	2.1	-	0.179	< 5	111	< 1	-	< 0.5	35	5.96	46.4	-	< 0.001	< 0.002[a]
	QUL-26-26M	2014 08 17	54.4	7.40	7.94	4.7	3.31	108	67	4.6	2.09	-	0.2	< 5	146	< 1	-	< 0.5	37	6.38	49.2	-	< 0.001	< 0.002[a]
	QUL-26-0M	2014 08 19	48.8	7.78	7.93	19.9	0.33	96.5	69	< 3	2	-	0.118	< 5	42.7	< 1	-	< 0.5	32	5.55	43.9	-	< 0.001	< 0.002[a]
	QUL-26-10M	2014 08 19	50.4	7.77	7.92	14.4	8.47	100	69	6.5	1.93	-	0.15	5.7	75.2	< 1	-	< 0.5	33	5.97	45.6	-	< 0.001	< 0.002[a]
	QUL-26-20M	2014 08 19	52.5	-	7.93	-	6.66	107	69	9.2	1.92	-	0.179	< 5	131	< 1	-	< 0.5	34	6.08	48.7	-	< 0.001	< 0.002[a]
	QUL-26-0M	2014 08 21	49.2	8.27	7.87	18.9	1.07	95.1	62	< 3	2.16	-	0.114	< 5	48.9	< 1	-	< 0.5	36	5.71	44.3	-	< 0.001	< 0.002[a]
QUL-28	QUL-28-OM	2014 08 11	49.3	7.52	7.82	17.5	0.53	101	69	< 3	2.32	-	0.134	< 5	34.5	< 1	-	< 0.5	35	5.71	45.5	-	< 0.001	**0.0029**
	QUL-28	2014 08 12	48.1	7.73	7.93	20.9	0.77	96.6	62	< 3	2.06	-	0.121	< 5	45.9	< 1	-	< 0.5	37	5.68	44.6	-	< 0.001	< 0.002[a]
	QUL-28	2014 08 13	47.6	-	7.93	21.1	0.45	98.7	62	< 3	2.61	-	0.125	< 5	33.2	1	-	< 0.5	34	5.63	44.8	-	< 0.001	< 0.002[a]
QUL-30	QUL-30	2014 08 07	49	7.24	7.99	20.4	1.07	98.4	63	< 3	1.85	0.086	0.141	< 5	54.9	< 1	-	< 0.5	33	5.62	46.7	-	< 0.001	< 0.002[a]
QUL-31	QUL-31	2014 08 07	47.5	8.20	7.97	21.0	0.6	95.8	55	< 3	2.08	0.117	0.144	< 5	67.3	< 1	-	< 0.5	33	5.61	44.9	-	< 0.001	< 0.002[a]
QUL-32	QUL-32	2014 08 06	48.7	-	7.96	-	0.38	101	81	< 3	1.89	-	0.162	< 5	77.9	1.5	79.4	< 0.5	34	5.6	46	-	< 0.001	< 0.002[a]
QUL-33	QUL-33	2014 08 06	49	-	7.95	20.0	0.32	99	63	< 3	1.9	-	0.129	< 5	63.8	< 1	63.8	< 0.5	34	5.63	45.6	-	< 0.001	< 0.002[a]
QUL-34	QUL-34-6M	2014 08 13	47.2	-	7.97	20.2	0.31	97.8	62	< 3	2.03	-	0.118	< 5	50.5	< 1	-	< 0.5	32	5.62	44.1	-	< 0.001	< 0.002[a]
QUL-35	QUL-35-3M	2014 08 14	48.8	8.16	7.9	21.1	0.34	97.5	63	< 3	2.1	-	0.102	< 5	40.6	< 1	-	< 0.5	36	5.62	43.7	-	< 0.001	< 0.002[a]
	QUL-35	2014 08 24	51.4	-	-	-	2.25	-	63	15.4	2.18	-	0.183	< 5	84.3	< 1	-	< 0.5	36	5.79	46.9	-	< 0.001	< 0.002[a]
QUL-36	QUL-36-8M	2014 08 14	48.4	8.08	7.95	18.0	0.29	97.3	66	< 3	2.05	-	0.12	< 5	52.1	< 1	-	< 0.5	36	5.62	43.7	-	< 0.001	< 0.002[a]
QUL-37	QUL-37-0M	2014 08 15	49.1	8.13	7.98	20.1	0.27	96.9	66	< 3	1.77	-	0.103	< 5	48.7	< 1	-	< 0.5	35	5.66	44.3	-	0.0011	**0.0027**
	QUL-37-7M	2014 08 15	49	8.13	7.97	18.6	0.28	97	63	< 3	1.72	-	0.113	< 5	58.9	< 1	-	< 0.5	36	5.64	43.6	-	< 0.001	**0.0021**
	QUL-37-TAP	2014 08 15	49.4	-	-	-	0.32	-	63	3.9	1.68	-	0.111	< 5	50.6	< 1	-	< 0.5	35	5.67	43.7	-	< 0.001	**0.0021**
	QUL-37	2014 08 24	59.7	-	-	-	0.6	-	71	< 3	2.19	-	0.138	< 5	43.5	< 1	-	< 0.5	34	5.84	52.8	-	< 0.001	< 0.002[a]
QUL-38	QUL-38	2014 08 18	48.4	7.11	7.97	18.3	0.35	97.5	59	< 3	2.44	-	0.155	5.3	48.9	< 1	-	< 0.5	34	5.64	43.9	-	< 0.001	< 0.002[a]
	QUL-38-2M	2014 08 26	50.2	7.93	7.98	17.6	0.71	100	62	< 3	2.1	-	0.128	< 5	55	< 1	-	< 0.5	35	5.78	45.1	-	< 0.001	< 0.002[a]
	QUL-38	2014 09 10	51.7	7.56	7.91	8.5	1.1	104	72	< 3	1.92	0.094	0.209	< 5	115	< 1	-	< 0.5	33	6.11	46	-	< 0.001	< 0.002[a]
	QUL-38X	2014 09 10	52.1	7.56	7.89	8.5	1.36	104	65	< 3	1.81	0.098	0.221	< 5	123	< 1	-	< 0.5	33	6.18	48.8	-	< 0.001	< 0.002[a]
	QA/QC RPD %		1	0	0	0	21	0	10	*	*	*	6	*	7	*	-	*	*	1	6	-	*	*
QUL-39	QUL-39	2014 08 18	49.8	7.64	7.9	16.1	0.46	98	71	< 3	2.3	-	0.163	5.9	86.3	< 1	-	< 0.5	34	5.75	44	-	< 0.001	< 0.002[a]
QUL-40	QUL-40-0M	2014 09 19	51.5	7.93	7.94	15.2	0.37	100	53	< 3	1.6	-	0.147	10.1	55.4	< 1	-	< 0.5	34	6.04	48.8	-	< 0.001	< 0.002[a]
	QUL-40-45M	2014 09 19	54.7	7.54	7.87	4.94	3.78	108	69	< 3	1.56	-	0.2	< 5	147	< 1	-	< 0.5	38	6.77	51.6	-	< 0.001	< 0.002[a]
	QUL-40-100M	2014 09 19	55.2	7.55	7.88	4.5	5.35	109	70	< 3	1.58	-	0.203	5.7	149	< 1	-	< 0.5	40	7.12	51	-	< 0.001	< 0.002[a]
	QUL-40-0M	2014 09 22	48.3	7.57	7.93	15.39	1.82	102	68	< 3	1.73	-	0.154	8.2	55.4	< 1	-	< 0.5	33	6.05	49	-	< 0.001	< 0.002[a]
	QUL-40-50M	2014 09 22	52.3	7.19	7.89	5.05	4.97	112	72	< 3	1.64	-	0.203	< 5	148	< 1	-	< 0.5	38	7.18	51.1	-	< 0.001	**0.0021**
	QUL-40-98M	2014 09 22	51.5	7.34	7.89	4.39	3.14	110	83	< 3	1.7	-	0.205	7.2	146	< 1	-	< 0.5	38	6.85	51.3	-	< 0.001	< 0.002[a]
QUL-60	QUL-60	2014 08 18	49.4	7.70	7.97	15.3	0.64	97.8	69	< 3	2.43	-	0.149	5.6	72.4	< 1	-	< 0.5	34	5.71	44.2	-	< 0.001	< 0.002[a]
	QUL-60	2014 08 24	50	-	-	-	0.85	-	62	< 3	2.51	-	0.13	< 5	69.6	< 1	-	< 0.5	35	5.75	45.4	-	< 0.001	< 0.002[a]
	QUL-60-3M	2014 08 26	49.8	7.91	7.94	17.4	0.78	100	69	< 3	2.23	-	0.131	< 5	56.5	< 1	-	< 0.5	34	5.79	45	-	< 0.001	< 0.002[a]
QUL-61	QUL-61	2014 08 18	49.2	7.76	7.97	13.9	0.54	97.9	66	< 3	2.25	-	0.154	5.8	79.3	< 1	-	< 0.5	34	5.73	44.6	-	< 0.001	< 0.002[a]
	QUL-61-2M	2014 08 26	50.2	7.93	7.99	17.8	0.67	100	62	< 3	2.2	-	0.13	< 5	56.2	< 1	-	< 0.5	34	5.78	44.7	-	< 0.001	< 0.002[a]

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																												
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																															
BCWQG Aquatic Life (AW)[b,c]			30-100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50-1000[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
QUL-26	QUL-26-0M	2014 08 11	11.3	16.5	< 30	1.89	4.79	0.541	0.846	< 0.1	0.12	6.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.54	< 0.05	1.02	-	0.303	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.12	< 1	< 3
	QUL-26-13M	2014 08 11	9.6	17	< 30	1.93	0.228	0.486	0.856	< 0.1	< 0.1	5.18	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	1.01	-	0.262	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.131	< 1	< 3
	QUL-26-24M	2014 08 11	5.7	17.9	< 30	2.03	0.677	0.481	0.911	< 0.1	0.11	5.19	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	1.08	-	0.264	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.143	< 1	< 3
	QUL-26	2014 08 12	10.6	16.1	< 30	1.87	0.554	0.499	0.856	< 0.1	0.11	5.42	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.51	< 0.05	0.71	-	0.309	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.132	< 1	< 3
	QUL-26	2014 08 13	11	16.3	< 30	1.92	10.4	0.598	0.842	< 0.1	0.15	7.06	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.6	< 0.05	1.07	-	0.33	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.12	< 1	< 3
	QUL-26-0M	2014 08 14	11.2	16.6	< 30	1.91	2.64	0.509	0.837	< 0.1	0.1	5.61	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.67	-	0.294	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
	QUL-26-12M	2014 08 14	11.7	17.8	< 30	1.93	5.07	0.483	0.878	< 0.1	0.11	8.11	< 0.1	< 10	< 0.01	< 0.5	< 0.1	2.62	< 0.05	0.71	-	0.404	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.145	< 1	< 3
	QUL-26-27M	2014 08 14	5.3	19	< 30	2.1	8.77	0.476	0.952	< 0.1	0.13	6.14	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.03	< 0.05	0.86	-	0.375	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.158	< 1	< 3
	QUL-26	2014 08 15	10.2	16.5	< 30	1.92	1	0.476	0.824	< 0.1	0.12	5.94	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.294	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.125	< 1	< 3
	QUL-26	2014 08 16	10.2	16.4	< 30	1.9	0.643	0.476	0.816	< 0.1	0.12	5.48	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.51	< 0.05	0.72	-	0.339	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.135	< 1	< 3
	QUL-26-0M	2014 08 17	9.6	16.1	< 30	1.88	3.09	0.518	0.828	< 0.1	0.11	5.83	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.52	< 0.05	0.55	-	0.286	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.118	< 1	< 3
	QUL-26-12M	2014 08 17	8.7	17.4	< 30	1.96	1.5	0.459	0.84	< 0.1	< 0.1	6.02	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.33	< 0.05	0.72	-	0.28	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.139	< 1	< 3
	QUL-26-26M	2014 08 17	5.1	18.3	< 30	2.09	4.49	0.482	0.939	< 0.1	0.11	5.72	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.01	< 0.05	0.75	-	0.348	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.161	< 1	< 3
	QUL-26-0M	2014 08 19	10.3	16.4	< 30	1.89	0.417	0.464	0.818	< 0.1	< 0.1	5.16	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.71	-	0.291	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.135	< 1	< 3
	QUL-26-10M	2014 08 19	10.9	17.1	< 30	1.9	3.66	0.475	0.879	< 0.1	0.11	7.32	< 0.1	< 10	< 0.01	< 0.5	< 0.1	2.21	< 0.05	0.85	-	0.402	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.143	< 1	< 3
	QUL-26-20M	2014 08 19	5.6	17.6	< 30	2.04	3.03	0.488	0.923	< 0.1	0.1	6.14	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.27	< 0.05	0.86	-	0.324	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.142	< 1	< 3
	QUL-26-0M	2014 08 21	10.7	16.6	< 30	1.91	1.47	0.467	0.83	< 0.1	0.12	5.59	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.79	< 0.05	0.81	-	0.312	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.138	< 1	< 3
QUL-28	QUL-28-0M	2014 08 11	11.4	16.6	< 30	1.91	7.17	0.531	0.843	< 0.1	0.11	6.08	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.56	< 0.05	< 0.5	-	0.286	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.129	< 1	< 3
	QUL-28	2014 08 12	11.1	16.2	< 30	1.86	2.58	0.485	0.86	< 0.1	0.11	5.73	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.56	< 0.05	0.78	-	0.312	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
	QUL-28	2014 08 13	11.2	15.9	< 30	1.9	2.4	0.508	0.846	< 0.1	0.14	5.83	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.52	< 0.05	0.97	-	0.306	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.123	< 1	< 3
QUL-30	QUL-30	2014 08 07	11.5	16.6	< 30	1.84	0.412	0.46	0.781	< 0.1	< 0.1	4.74	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.74	< 0.05	0.252	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.147	< 1	< 3
QUL-31	QUL-31	2014 08 07	11.4	15.9	< 30	1.89	0.789	0.485	0.837	< 0.1	0.12	5.19	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.56	< 0.05	0.311	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
QUL-32	QUL-32	2014 08 06	10.9	16.4	< 30	1.85	0.355	0.454	0.853	< 0.1	< 0.1	4.86	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.7	< 0.05	0.253	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.142	< 1	< 3
QUL-33	QUL-33	2014 08 06	10.9	16.6	< 30	1.84	0.237	0.434	0.767	< 0.1	< 0.1	4.61	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.83	< 0.05	0.225	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.14	< 1	< 3
QUL-34	QUL-34-6M	2014 08 13	10.8	15.9	< 30	1.84	0.13	0.456	0.826	< 0.1	< 0.1	5.23	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.74	-	0.31	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.141	< 1	< 3
QUL-35	QUL-35-3M	2014 08 14	11.1	16.4	< 30	1.91	0.547	0.488	0.858	< 0.1	0.11	5.37	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.54	< 0.05	0.71	-	0.314	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.124	< 1	< 3
	QUL-35	2014 08 24	9.1	17.4	< 30	1.94	0.792	0.453	0.792	< 0.1	< 0.1	5.04	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.68	< 0.05	0.92	-	0.255	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
QUL-36	QUL-36-8M	2014 08 14	11.4	16.3	< 30	1.86	0.203	0.472	0.818	< 0.1	0.11	5.2	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.66	-	0.288	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.126	< 1	< 3
QUL-37	QUL-37-0M	2014 08 15	10.3	16.6	< 30	1.86	0.37	0.456	0.808	< 0.1	< 0.1	5.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.29	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.136	< 1	< 3
	QUL-37-7M	2014 08 15	10.2	16.5	< 30	1.86	0.233	0.459	0.805	< 0.1	0.1	5.01	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.27	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.135	< 1	< 3
	QUL-37-TAP	2014 08 15	10.7	16.7	< 30	1.87	0.145	0.451	0.799	< 0.1	0.11	5.33	< 0.1	< 10	< 0.01	< 0.5	< 0.1	2.36	0.321	< 0.5	-	0.302	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.143	< 1	4
	QUL-37	2014 08 24	10.1	19.8	< 30	2.49	2.19	0.51	0.932	< 0.1	0.29	5.52	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.5	< 0.05	0.8	-	0.395	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.171	< 1	< 3
QUL-38	QUL-38	2014 08 18	9.8	16.2	< 30	1.9	0.386	0.462	0.822	< 0.1	0.11	5.28	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.55	< 0.05	0.72	-	0.292	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.132	< 1	< 3
	QUL-38-2M	2014 08 26	9.6	16.9	< 30	1.92	0.786	0.453	0.825	< 0.1	0.12	5.47	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.98	< 0.05	0.58	-	0.301	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.129	< 1	< 3
	QUL-38	2014 09 10	7.7	17.4	< 30	1.98	1.08	0.47	0.916	< 0.1	0.11	5.76	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.25	< 0.05	0.85	-	0.296	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.152	< 1	< 3
	QUL-38X	2014 09 10	8.2	17.6	< 30	2	1.23	0.47	0.928	< 0.1	0.12	5.66	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.08	< 0.05	0.86	-	0.317	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.153	< 1	< 3
	QA/QC RPD %		*	1	*	1	13	0	1	*	*	2	*	*	*	*	*	*	*	*	-	7	*	*	*	*	*	1	*	*
QUL-39	QUL-39	2014 08 18	9.9	16.8	< 30	1.91	0.271	0.446	0.83	< 0.1	< 0.1	4.96	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.79	-	0.262	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
QUL-40	QUL-40-0M	2014 09 19	10.1	17.4	< 30	1.94	0.491	0.442	0.819	< 0.1	< 0.1	5.02	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.74	-	0.257	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.148	< 1	< 3
	QUL-40-45M	2014 09 19	5.6	18.5	< 30	2.05	3.09	0.489	1	< 0.1	0.13	5.78	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.07	< 0.05	0.8	-	0.509	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.176	< 1	< 3
	QUL-40-100M	2014 09 19	6	18.7	< 30	2.03	3.75	0.503	1.07	< 0.1	0.14	6.16	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.44	< 0.05	0.91	-	0.71	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.191	< 1	< 3
	QUL-40-0M	2014 09 22	8.5	16.4	< 30	1.77	0.371	0.446	0.825	< 0.1	< 0.1	4.88	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.58	-	0.24	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.143	< 1	< 3
	QUL-40-50M	2014 09 22	6.5	17.8	< 30	1.92	4.1	0.516	1.17	< 0.1	0.15	6.33	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.68	< 0.05	0.66	-	0.769	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.194	< 1	< 3
	QUL-40-98M	2014 09 22	5.2	17.5	< 30	1.89	10.1	0.496	1.05	< 0.1	0.13	5.93	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.37	< 0.05	0.68	-	0.597	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.18	< 1	< 3
QUL-60	QUL-60	2014 08 18	10.7	16.6	< 30	1.91	0.529	0.459	0.815	< 0.1	0.1	5.27	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.63	< 0.05	0.7	-	0.277	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.134	< 1	< 3
	QUL-60	2014 08 24	9	16.9	< 30	1.9	0.828	0.458	0.811	< 0.1	< 0.1	5.39	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.94	< 0.05	0.87	-	0.291	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.136	< 1	< 3
	QUL-60-3M	2014 08 26	10	16.8	< 30	1.91	0.847	0.452	0.808	< 0.1	0.1	5.52	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.07	< 0.05	0.55	-	0.296	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.13	< 1	< 3
QUL-61	QUL-61	2014 08 18	10	16.6	< 30	1.89	0.412	0.456	0.818	< 0.1	0.1	5.22	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.57	< 0.05	0.84	-	0.269	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.134	< 1	< 3
	QUL-61-2M	2014 08 26	10.5	17	< 30	1.92	0.866	0.463	0.83	< 0.1	0.11	5.47	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.01	< 0.05	0.59	-	0.293	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Metals																													
			Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bismuth (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Magnesium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Potassium (µg/L)	Selenium (µg/L)	Silicon (µg/L)	Silver (µg/L)	Sodium (µg/L)	Thallium (µg/L)	Tin (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																																
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.016-0.079[d]	n/a	1 (Cr(+6))	110	6.0-27.9[d]	1,000	27.3-297.3[d]	870	n/a	1001-3582[d]	Methyl mercury analysis in progress	2,000	25-150[d]	373,000-432,000	2	n/a	0.1-3.0[d]	n/a	0.3	n/a	2,000	300	6	33-172.5[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	2-11[d]	n/a	4.4-14.9[d]	14[i]	n/a	791.1-1819[d]	1	1,000	n/a	n/a	n/a	n/a	0.05-1.5[d]	n/a	n/a	n/a	n/a	n/a	7.5-147[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	n/a	2	n/a	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	n/a	50	1	n/a	n/a	n/a	10	n/a	n/a	200,000	n/a	n/a	n/a	20	n/a	5,000
QUL-26	QUL-26-0M	2014 08 11	29.1	< 0.1	0.14	5.87	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	1	< 30	< 0.05	0.91	1,910	4.27	< 0.05	0.332	< 0.5	536	< 0.5	1,570	< 0.01	861	< 0.01	< 0.1	< 10	0.132	< 1	< 3
	QUL-26-13M	2014 08 11	30.9	< 0.1	0.11	5.48	< 0.1	< 0.5	< 10	< 0.01	17,600	< 0.5	< 0.1	1	< 30	< 0.05	0.89	2,000	1.41	< 0.05	0.301	< 0.5	492	< 0.5	1,670	< 0.01	871	0.014	< 0.1	< 10	0.151	< 1	< 3
	QUL-26-24M	2014 08 11	41.7	< 0.1	0.14	5.7	< 0.1	< 0.5	< 10	< 0.01	18,100	< 0.5	< 0.1	1.2	38	< 0.05	0.97	2,080	2.31	< 0.05	0.286	< 0.5	502	< 0.5	1,740	< 0.01	923	< 0.01	< 0.1	< 10	0.154	< 1	< 3
	QUL-26	2014 08 12	20.4	< 0.1	0.14	5.63	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.89	< 30	< 0.05	0.76	1,930	2.32	< 0.05	0.339	< 0.5	515	< 0.5	1,620	< 0.01	886	< 0.01	< 0.1	< 10	0.139	< 1	< 3
	QUL-26	2014 08 13	20.2	< 0.1	0.17	7.19	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	0.95	46	< 0.05	0.94	1,980	11.1	< 0.05	0.349	< 0.5	616	< 0.5	1,650	< 0.01	888	< 0.01	< 0.1	< 10	0.123	< 1	< 3
	QUL-26-0M	2014 08 14	16.9	< 0.1	0.12	5.72	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	0.67	< 30	< 0.05	0.75	1,900	3.2	< 0.05	0.329	< 0.5	509	< 0.5	1,610	< 0.01	854	< 0.01	< 0.1	< 10	0.132	< 1	< 3
	QUL-26-12M	2014 08 14	***653***	< 0.1	0.37	16.6	< 0.1	< 0.5	< 10	< 0.01	17,900	< 0.5	0.42	**21.9**	***530***	0.349	1.16	2,250	21.5	< 0.05	0.462	0.68	697	< 0.5	3,170	< 0.01	989	< 0.01	< 0.1	43	0.171	1.9	3.6
	QUL-26-27M	2014 08 14	***342***	< 0.1	0.24	11.2	< 0.1	< 0.5	< 10	< 0.01	18,800	< 0.5	0.19	**7.7**	288	0.148	0.98	2,220	17.1	< 0.05	0.406	0.51	601	< 0.5	2,470	< 0.01	1,030	< 0.01	< 0.1	18	0.181	< 1	< 3
	QUL-26	2014 08 15	19.8	< 0.1	0.13	6.42	< 0.1	< 0.5	< 10	< 0.01	16,100	< 0.5	< 0.1	0.75	< 30	< 0.05	< 0.5	1,900	2.02	-	0.325	< 0.5	489	< 0.5	1,610	< 0.01	852	< 0.01	< 0.1	< 10	0.136	< 1	< 3
	QUL-26	2014 08 16	16.3	< 0.1	0.12	5.52	< 0.1	< 0.5	< 10	< 0.01	16,100	< 0.5	< 0.1	0.64	< 30	< 0.05	< 0.5	1,880	1.56	< 0.05	0.313	< 0.5	470	< 0.5	1,540	< 0.01	811	< 0.01	< 0.1	< 10	0.137	< 1	< 3
	QUL-26-0M	2014 08 17	20.1	< 0.1	0.13	5.79	< 0.1	< 0.5	< 10	< 0.01	15,900	< 0.5	< 0.1	< 1	< 30	< 0.05	0.73	1,860	3.46	< 0.05	0.303	< 0.5	518	< 0.5	1,540	< 0.01	830	< 0.01	< 0.1	< 10	0.131	< 1	< 3
	QUL-26-12M	2014 08 17	***317***	< 0.1	0.25	10.4	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	0.18	**9.16**	252	0.142	1	2,090	9.72	< 0.05	0.304	0.54	574	< 0.5	2,280	< 0.01	899	< 0.01	< 0.1	20	0.16	1.1	< 3
	QUL-26-26M	2014 08 17	***211***	< 0.1	0.2	8.49	< 0.1	< 0.5	< 10	< 0.01	18,300	< 0.5	0.12	**5.2**	170	0.084	1.01	2,180	9.41	< 0.05	0.355	< 0.5	562	< 0.5	2,160	< 0.01	985	< 0.01	< 0.1	13	0.173	< 1	< 3
	QUL-26-0M	2014 08 19	15	< 0.1	0.13	5.47	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.58	< 30	< 0.05	0.86	1,900	1.07	-	0.318	< 0.5	483	< 0.5	1,540	< 0.01	860	< 0.01	< 0.1	< 10	0.133	< 1	< 3
	QUL-26-10M	2014 08 19	***245***	< 0.1	0.23	10.3	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	0.17	**10**	213	0.161	1.05	2,010	9.39	-	0.394	0.53	565	< 0.5	2,040	< 0.01	935	< 0.01	< 0.1	14	0.155	< 1	< 3
	QUL-26-20M	2014 08 19	***365***	< 0.1	0.29	11.5	< 0.1	< 0.5	< 10	< 0.01	18,300	< 0.5	0.25	**10.7**	***339***	0.179	1.23	2,240	12.5	< 0.05	0.325	0.6	600	< 0.5	2,470	< 0.01	982	< 0.01	< 0.1	26	0.162	1.2	< 3
	QUL-26-0M	2014 08 21	79.7	< 0.1	0.17	6.44	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	**2.41**	65	< 0.05	0.77	1,970	3.69	-	0.327	1.01	495	< 0.5	1,700	< 0.01	865	< 0.01	< 0.1	< 10	0.143	< 1	< 3
QUL-28	QUL-28-OM	2014 08 11	28.2	< 0.1	0.15	6.41	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	1.03	< 30	< 0.05	0.58	1,910	9.7	< 0.05	0.305	0.52	542	< 0.5	1,560	< 0.01	863	< 0.01	< 0.1	< 10	0.131	< 1	< 3
	QUL-28	2014 08 12	51.3	< 0.1	0.14	6.32	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	1.68	44	< 0.05	0.84	1,900	4.5	< 0.05	0.33	< 0.5	507	< 0.5	1,660	< 0.01	874	< 0.01	< 0.1	< 10	0.139	< 1	< 3
	QUL-28	2014 08 13	22.2	< 0.1	0.15	6.18	< 0.1	< 0.5	< 10	0.013	16,400	< 0.5	< 0.1	0.86	< 30	< 0.05	0.88	1,950	4.82	< 0.05	0.358	< 0.5	536	< 0.5	1,640	< 0.01	888	< 0.01	< 0.1	< 10	0.132	< 1	< 3
QUL-30	QUL-30	2014 08 07	45.4	< 0.1	0.12	5.08	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	< 0.5	65	< 0.05	0.77	1,940	2.32	< 0.05	0.246	< 0.5	476	< 0.5	1,550	< 0.01	807	< 0.01	< 0.1	< 10	0.15	< 1	< 3
QUL-31	QUL-31	2014 08 07	28.8	< 0.1	0.14	5.52	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	0.66	40	< 0.05	0.61	1,970	2.77	< 0.05	0.326	< 0.5	491	< 0.5	1,660	< 0.01	867	< 0.01	< 0.1	< 10	0.135	< 1	< 3
QUL-32	QUL-32	2014 08 06	61	< 0.1	0.12	5.57	< 0.1	< 0.5	< 10	< 0.01	17,400	< 0.5	< 0.1	0.68	87	< 0.05	0.83	2,010	2.8	< 0.05	0.256	< 0.5	512	< 0.5	1,660	< 0.01	1,000	< 0.01	< 0.1	< 10	0.155	< 1	< 3
QUL-33	QUL-33	2014 08 06	15.2	< 0.1	0.1	4.81	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	< 0.5	< 30	< 0.05	0.66	1,930	0.875	< 0.05	0.238	< 0.5	444	< 0.5	1,500	< 0.01	799	< 0.01	< 0.1	< 10	0.147	< 1	< 3
QUL-34	QUL-34-6M	2014 08 13	15.5	< 0.1	0.14	5.33	< 0.1	< 0.5	< 10	< 0.01	15,800	< 0.5	< 0.1	0.67	< 30	< 0.05	< 0.5	1,830	1.22	< 0.05	0.292	< 0.5	458	< 0.5	1,530	< 0.01	851	< 0.01	< 0.1	< 10	0.13	< 1	< 3
QUL-35	QUL-35-3M	2014 08 14	17.2	< 0.1	0.14	5.53	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	0.62	< 30	< 0.05	0.68	1,910	1.55	-	0.371	< 0.5	489	< 0.5	1,640	< 0.01	876	< 0.01	< 0.1	< 10	0.137	< 1	< 3
	QUL-35	2014 08 24	81.1	< 0.1	0.14	5.68	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	1.99	103	0.088	0.83	1,890	6.14	-	0.292	< 0.5	454	< 0.5	1,640	< 0.01	797	< 0.01	< 0.1	< 10	0.152	< 1	< 3
QUL-36	QUL-36-8M	2014 08 14	15.5	< 0.1	0.12	5.2	< 0.1	< 0.5	< 10	< 0.01	16,100	< 0.5	< 0.1	0.58	< 30	< 0.05	0.69	1,860	1.24	-	0.312	< 0.5	461	< 0.5	1,570	< 0.01	811	< 0.01	< 0.1	< 10	0.132	< 1	< 3
QUL-37	QUL-37-0M	2014 08 15	15	< 0.1	0.11	5.01	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	1,850	1.08	-	0.298	< 0.5	458	< 0.5	1,530	< 0.01	810	< 0.01	< 0.1	< 10	0.143	< 1	< 3
	QUL-37-7M	2014 08 15	17.7	< 0.1	0.12	4.97	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	0.5	< 30	< 0.05	< 0.5	1,840	1.19	-	0.306	< 0.5	455	< 0.5	1,530	< 0.01	795	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QUL-37-TAP	2014 08 15	18	< 0.1	0.13	5.43	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	**2.5**	< 30	0.356	< 0.5	1,870	0.786	-	0.309	< 0.5	472	< 0.5	1,550	< 0.01	815	< 0.01	< 0.1	< 10	0.14	< 1	5.4
	QUL-37	2014 08 24	45.2	< 0.1	0.34	5.61	< 0.1	< 0.5	< 10	< 0.01	18,700	< 0.5	< 0.1	0.82	65	< 0.05	0.77	2,370	4.4	-	0.443	< 0.5	511	< 0.5	1,850	< 0.01	924	< 0.01	< 0.1	< 10	0.175	< 1	< 3
QUL-38	QUL-38	2014 08 18	17.7	< 0.1	0.12	5.32	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	< 2	< 30	< 0.05	0.76	1,930	1.22	-	0.302	< 0.5	480	< 0.5	1,560	< 0.01	854	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUL-38-2M	2014 08 26	43.5	< 0.1	0.13	5.99	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	1.72	32	< 0.05	0.51	1,930	2.02	< 0.01	0.319	< 0.5	473	< 0.5	1,580	< 0.01	859	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QUL-38	2014 09 10	73.3	< 0.1	0.17	6.59	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	**2.52**	66	< 0.05	0.98	2,020	4.13	-	0.337	< 0.5	491	< 0.5	1,740	< 0.01	937	< 0.01	< 0.1	< 10	0.159	< 1	< 3
	QUL-38X	2014 09 10	82.1	< 0.1	0.16	6.83	< 0.1	< 0.5	< 10	< 0.01	17,500	< 0.5	< 0.1	**2.64**	71	0.055	0.98	2,030	4.65	-	0.363	< 0.5	511	< 0.5	1,780	< 0.01	958	< 0.01	< 0.1	< 10	0.164	< 1	< 3
	QA/QC RPD %		11	*	*	4	*	*	*	*	1	*	*	*	7	*	*	0	*	-	7	*	4	*	2	*	2	*	*	*	3	*	*
QUL-39	QUL-39	2014 08 18	23.4	< 0.1	0.11	5.28	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	< 1	< 30	< 0.05	0.72	1,870	1.14	-	0.265	< 0.5	461	< 0.5	1,540	< 0.01	832	< 0.01	< 0.1	< 10	0.147	< 1	< 3
QUL-40	QUL-40-0M	2014 09 19	13.4	< 0.1	0.1	5.03	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	< 0.5	< 30	< 0.05	0.82	1,870	1.83	-	0.294	< 0.5	449	< 0.5	1,370	< 0.01	830	< 0.01	< 0.1	< 10	0.155	< 1	< 3
	QUL-40-45M	2014 09 19	***158***	< 0.1	0.17	9.13	< 0.1	< 0.5	< 10	< 0.01	18,900	< 0.5	< 0.1	**4.22**	89	0.072	0.95	2,120	8.42	-	0.576	< 0.5	566	< 0.5	2,060	< 0.01	1,100	< 0.01	< 0.1	< 10	0.195	< 1	< 3
	QUL-40-100M	2014 09 19	***225***	< 0.1	0.21	11.2	< 0.1	< 0.5	< 10	< 0.01	18,000	< 0.5	< 0.1	**5.84**	108	0.095	0.91	2,030	9.23	-	0.762	< 0.5	610	< 0.5	2,110	< 0.01	1,160	< 0.01	< 0.1	< 10	0.202	< 1	< 3
	QUL-40-0M	2014 09 22	15.8	< 0.1	0.11	5.02	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	0.89	< 30	< 0.05	0.56	1,790	1.34	-	0.283	< 0.5	447	< 0.5	1,340	< 0.01	831	< 0.01	< 0.1	< 10	0.148	< 1	< 3
	QUL-40-50M	2014 09 22	***320***	< 0.1	0.24	13	< 0.1	< 0.5	< 10	< 0.01	18,000	< 0.5	0.11	**6.52**	150	0.103	0.75	2,000	11.2	-	0.728	< 0.5	647	< 0.5	2,280	< 0.01	1,210	< 0.01	< 0.1	13	0.193	< 1	< 3
	QUL-40-98M	2014 09 22	***200***	< 0.1	0.21	10.2	< 0.1	< 0.5	< 10	< 0.01	17,900	< 0.5	< 0.1	**4.29**	104	0.079	0.86	1,940	15.4	-	0.661	< 0.5	576	< 0.5	2,000	< 0.01	1,110	< 0.01	< 0.1	< 10	0.195	< 1	< 3
QUL-60	QUL-60	2014 08 18	34.6	< 0.1	0.12	5.57	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	< 1.5	< 30	< 0.05	0.76	1,900	1.76	-	0.299	< 0.5	473	< 0.5	1,590	< 0.01	848	< 0.01	< 0.1	< 10	0.148	< 1	< 3
	QUL-60	2014 08 24	40.9	< 0.1	0.11	5.74	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	1.82	34	< 0.05	0.81	1,910	1.93	-	0.301	< 0.5	473	< 0.5	1,620	< 0.01	826	< 0.01	< 0.1	< 10	0.147	< 1	< 3
	QUL-60-3M	2014 08 26	44	< 0.1	0.12	5.96	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	1.93	34	< 0.05	< 0.5	1,900	2.15	< 0.01	0.324	< 0.5	473	< 0.5	1,560	< 0.01	850	< 0.01	< 0.1	< 10	0.136	< 1	< 3
QUL-61	QUL-61	2014 08 18	33.6	< 0.1	0.12	5.31	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	< 2.5[a]	< 30	< 0.05	0.78	1,880	1.52	-	0.289	< 0.5	468	< 0.5	1,570	< 0.01	832	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QUL-61-2M	2014 08 26	40.3	< 0.1	0.14	5.91	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	1.83	33	< 0.05	0.53	1,960	2.14	< 0.01	0.329	< 0.5	472	< 0.5	1,610	< 0.01	853	< 0.01	< 0.1	< 10	0.143	< 1	< 3

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical Parameters									Total Inorganics												
			Hardness (mg/L)	pH (field) (pH)	pH (pH)	Temperature (field) (C)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)	Total Kjeldahl Nitrogen (N) (mg/L)	Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Bromide (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus[g] (mg/L)
BC Guidelines																								
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	6.5-9.0		Change of 8	n/a	n/a	Change of 25	n/a	n/a	n/a	5,680-18,400[d]	32,800	60-600[d]	32,800[f]	600	988.2-1742[d]	n/a	n/a	n/a	n/a	0.005-0.015
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	+/-1 Degree change from ambient	Change of 2	n/a	n/a	Change of 5	+20% of median background	n/a	n/a	1,090-1,770[d]	3,000	20-200[d]	3,000[f]	150	n/a	128-429[d]	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	6.5-8.5	n/a[i]	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,000	500	n/a	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	6.5-8.5	n/a[i]	n/a[i]	n/a	500	n/a	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a	n/a
QUL-62	QUL-62	2014 08 18	48.5	7.83	7.97	17.7	0.36	96.9	67	< 3	2.4	-	0.252	5.2	57.5	< 1	-	< 0.5	34	5.66	44	-	< 0.001	< 0.002[a]
QUL-63	QUL-63	2014 08 18	48.9	7.81	7.96	17.4	0.45	97.4	67	< 3	2.31	-	0.137	6.2	60.5	< 1	-	< 0.5	34	5.68	44	-	< 0.001	< 0.002[a]
QUL-64	QUL-64	2014 08 18	48.1	7.88	7.97	18.3	0.29	96.9	70	< 3	2.37	-	0.135	5.7	48.2	< 1	-	< 0.5	34	5.65	44.1	-	< 0.001	< 0.002[a]
	QUL-64-2M	2014 08 27	49.7	8.03	7.99	17.7	0.78	99	71	< 3	2.14	-	0.122	< 5	52.9	< 1	-	< 0.5	34	5.79	44.4	-	< 0.001	**0.0021**
QUL-65	QUL65-45M	2014 08 19	72.7	7.83	7.97	6.4	104	160	112	28.2	1.9	-	0.486	53.9	243	1.9	-	0.62	70	18.3	60.3	-	< 0.001	< 0.002[a]
QUL-66	QUL66-40M	2014 08 19	72.5	7.81	8	6.8	122	159	113	32.9	1.9	-	0.375	46.9	232	1.7	-	0.63	73	18.2	60.8	-	< 0.001	< 0.002[a]
	QUL66-40MX	2014 08 19	72.9	7.81	7.99	6.8	127	159	117	40.9	1.93	-	0.375	50.6	230	1.6	-	0.61	72	18.1	60.4	-	< 0.001	< 0.002[a]
	QA/QC RPD %		< 1	0	< 1	0	4	0	3	22	*	-	0	*	< 1	*	-	*	*	< 1	< 1	-	*	*
	QUL66-40M	2014 08 21	69.4	8.09	7.9	6.8	111	146	106	20.9	1.86	-	0.339	40.1	209	1.4	-	0.56	69	16.5	58.5	-	< 0.001	< 0.002[a]
	QUL-66-0M	2014 08 26	50.5	7.70	7.97	18.6	1.85	98.5	69	< 3	2.26	-	0.132	< 5	49.1	< 1	-	< 0.5	35	5.88	44.4	-	< 0.001	**0.002**
	QUL-66-10M	2014 08 26	53	7.70	8	13.0	6.63	105	73	4.8	2.14	-	0.184	5.4	83.2	< 1	-	< 0.5	36	6.73	51.6	-	< 0.001	**0.0025**
	QUL-66-58M	2014 08 26	74.6	7.78	8.04	6.5	71.3	160	123	39.2	2.18	-	0.427	56	250	2.3	-	0.62	71	18.8	61.5	-	0.0016	0.0052
	QUL-66-0M	2014 08 28	49.3	8.10	7.97	18.9	0.4	97	63	6.5	2.71	-	0.118	5.2	< 50	< 10	-	< 5	220	5.3	45.5	-	< 0.001	< 0.002[a]
	QUL-66-18M	2014 08 28	54	8.02	7.98	9.4	17.3	107	66	29.6	2.17	-	0.185	7.5	115	< 1	-	< 0.5	36	6.36	50	-	< 0.001	< 0.002[a]
	QUL-66-40M	2014 08 28	67.5	7.92	8	6.3	73.4	149	102	20.8	2.19	-	0.409	50.3	214	1.4	-	0.52	69	16.2	59.8	-	0.0011	**0.004**
	QUL-66X-40M	2014 08 28	64.4	7.92	7.98	6.3	71.8	137	93	56.7	2.11	-	0.319	37.8	197	1.1	-	< 0.5	63	13.9	58.3	-	< 0.001	**0.0032**
	QA/QC RPD %		5	0	< 1	0	2	8	9	93	*	-	25	28	8	*	-	*	*	15	3	-	*	*
	QUL-66-0M	2014 08 30	49.1	8.04	7.97	18.2	0.6	96.8	61	3.8	1.97	-	0.123	< 5	44.4	< 1	-	< 0.5	34	5.69	44.7	-	< 0.001	< 0.002[a]
	QUL-66-16M	2014 08 30	53.4	7.65	7.98	10.5	7.06	105	65	7.6	1.92	-	0.177	6.8	108	< 1	-	< 0.5	36	6.17	48.6	-	< 0.001	< 0.002[a]
	QUL-66-39M	2014 08 30	69.9	7.86	8.02	6.6	83.1	157	104	31.6	2.03	-	0.369	64.3	211	2.8	-	0.62	88	18.2	59.5	-	0.0017	**0.0041**
	QUL-66-0M	2014 09 03	49.5	7.79	7.96	18.5	2.37	97.9	66	< 3	2.09	-	0.108	< 5	38.9	< 1	-	< 0.5	33	5.76	45.5	-	< 0.001	< 0.002[a]
	QUL-66-14M	2014 09 03	53.3	-	7.95	5.6	6.79	106	72	16.4	1.99	-	0.177	< 5	130	< 1	-	< 0.5	35	6.19	49.3	-	< 0.001	< 0.002[a]
	QUL-66-45M	2014 09 03	67.8	-	8.06	6.8	107	152	108	40.6	2.18	-	0.428	46.3	180	2.5	-	0.57	77	17.8	60.1	-	0.0031	**0.0049**
	QUL-66-0M	2014 09 07	48.6	8.09	7.97	17.15	0.61	98.3	59	< 3	1.99	-	0.121	< 5	40.4	< 1	-	< 0.5	32	5.79	46.9	-	< 0.001	**0.0032**
	QUL-66-10M	2014 09 07	50.9	7.81	7.95	15.1	4.1	101	64	3.5	1.97	-	0.123	< 5	39.2	< 1	-	< 0.5	33	6.11	47.2	-	< 0.001	< 0.002[a]
	QUL-66-50M	2014 09 07	68.7	8.01	8.05	6.7	65.1	152	102	15.2	2	-	0.293	46.6	178	3.3	-	0.56	74	17.6	61.1	-	0.0023	**0.0037**
	QUL-66X-50M	2014 09 07	68.2	8.01	8.03	6.7	71.4	152	103	13.9	2.1	-	0.307	48.3	175	3.5	-	0.57	73	17.4	60.2	-	0.0022	**0.0037**
	QA/QC RPD %		< 1	0	< 1	0	9	0	< 1	*	*	-	5	4	2	*	-	*	*	1	2	-	*	*
	QUL-66-0M	2014 09 11	51.4	7.95	7.91	11.9	1.22	102	68	< 3	1.82	-	0.146	< 5	77.6	< 1	-	< 0.5	35	6.03	49.4	-	< 0.01	**0.0021**
	QUL-66-34M	2014 09 11	65.9	8.17	7.99	6.9	61.7	151	106	37	1.73	-	0.26	45.1	178	3.1	-	0.56	81	17.3	62	-	0.0033	**0.0041**
	QUL-66-50M	2014 09 11	62.9	8.07	7.97	6.5	47.5	148	108	28.3	1.75	-	0.252	46.6	189	2.2	-	0.52	73	16.2	60.7	-	0.0023	**0.0034**
	QUL-66X-50M	2014 09 11	64	8.07	8.01	6.5	35.8	137	98	28	2.01	-	0.262	38.5	166	2	-	< 0.5	68	13.7	58.5	-	< 0.001	**0.0023**
	QA/QC RPD %		2	0	< 1	0	28	8	10	1	*	-	4	19	13	*	-	*	*	17	4	-	*	*
	QUL-66-0M	2014 09 13	51.1	7.9	7.81	14.9	0.39	102	67	< 3	1.83	-	0.122	< 5	65.3	< 1	-	< 0.5	33	5.99	47.6	-	< 0.001	**0.0024**
	QUL-66-10M	2014 09 13	52	7.94	7.82	10.6	11.5	106	67	24.4	1.86	-	0.139	< 5	73.8	< 1	-	< 0.5	35	6.35	49.4	-	< 0.001	**0.0023**
	QUL-66-48M	2014 09 13	68.6	7.97	7.9	6.5	60.9	153	103	40.3	1.75	-	0.306	53.2	192	2.3	-	0.54	72	17.1	59.9	-	0.003	0.005
	QUL-66-0M	2014 09 15	51.1	8.01	7.96	15	0.38	102	58	< 3	1.52	-	0.118	< 5	61.6	< 1	-	< 0.5	32	6.05	47.7	-	< 0.001	< 0.002[a]
	QUL-66-24M	2014 09 15	56.1	7.7	7.96	6.2	11.3	113	67	18.5	1.64	-	0.204	5.9	142	< 1	-	< 0.5	38	7.54	52.8	-	< 0.001	< 0.002[a]
	QUL-66-48M	2014 09 15	68.7	7.9	8.02	6.5	60.1	148	102	31.7	1.78	-	0.363	51	188	2.3	-	0.5	73	16.3	58	-	0.0012	**0.0037**
	QUL-66-0M	2014 09 16	51.3	-	7.97	-	0.5	102	63	< 3	1.8	-	0.119	< 5	62.3	< 1	-	< 0.5	34	6.03	48.3	-	< 0.001	< 0.002[a]
	QUL-66-40M	2014 09 16	66	-	8.01	-	48.6	141	92	20.7	1.89	-	0.274	36.5	182	1.4	-	< 0.5	63	14.6	58.8	-	0.0013	**0.0026**
	QUL-66-0M	2014 09 09	49.4	7.99	7.92	16.6	3.83	102	70	4.8	1.92	-	0.128	< 5	46.8	< 1	-	< 0.5	35	5.93	47.8	-	< 0.001	< 0.002[a]
	QUL-66-46M	2014 09 09	70	-	7.98	-	82.3	158	112	15.9	1.9	-	0.357	61.2	208	2.4	-	0.6	78	18.2	62.2	-	0.0026	**0.0043**
	QUL-66-0M	2014 09 18	51.2	8.04	7.96	14.9	0.31	99.9	74	< 3	1.84	-	0.112	< 5	57.2	< 1	-	< 0.5	32	6.05	47.2	-	< 0.001	< 0.002[a]
	QUL-66-15M	2014 09 18	54.8	7.78	7.95	10.8	21.5	108	75	34.2	1.98	-	0.214	< 5	70.8	< 1	-	< 0.5	35	6.99	50.4	-	< 0.001	< 0.002[a]
	QUL-66-40M	2014 09 18	67.8	7.73	8.03	6.5	58.1	146	105	14	1.92	-	0.298	45.4	184	2.2	-	< 0.5	68	15.8	59.6	-	0.0018	**0.0026**
	QUL-66-0M	2014 09 20	49.8	8.03	7.94	15.1	0.56	102	65	< 3	1.76	-	0.138	< 5	55.4	< 1	-	< 0.5	34	6.04	47.8	-	< 0.001	< 0.002[a]
	QUL-66-15M	2014 09 20	52.6	8.07	7.97	10.7	39.1	113	73	46.7	1.95	-	0.168	7.2	86.6	< 1	-	< 0.5	35	7.22	52.8	-	< 0.001	< 0.002[a]
	QUL-66-45M	2014 09 20	65.5	7.95	8.01	6.6	61.7	149	104	11.7	1.67	-	0.326	44.8	193	2.1	-	0.56	69	16.7	57.2	-	0.0019	**0.0028**

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																												
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																															
BCWQG Aquatic Life (AW)[b,c]			30-100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50-1000[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
QUL-62	QUL-62	2014 08 18	9.4	16.3	< 30	1.88	0.328	0.466	0.816	< 0.1	0.11	5.23	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.51	< 0.05	0.74	-	0.287	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
QUL-63	QUL-63	2014 08 18	12.6	16.4	< 30	1.9	0.503	0.45	0.82	< 0.1	0.11	5.39	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.53	< 0.05	0.72	-	0.285	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.135	< 1	< 3
QUL-64	QUL-64	2014 08 18	10.5	16.2	< 30	1.89	0.444	0.47	0.83	< 0.1	0.11	5.28	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.56	< 0.05	0.72	-	0.292	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.13	< 1	< 3
	QUL-64-2M	2014 08 27	9.5	16.8	< 30	1.92	0.903	0.453	0.839	< 0.1	< 0.1	5.55	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.96	< 0.05	0.65	-	0.304	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.136	< 1	< 3
QUL-65	QUL65-45M	2014 08 19	14.8	24.6	< 30	2.75	113	1.07	3.71	0.29	0.84	20.2	< 0.1	< 10	0.014	< 0.5	< 0.1	4.89	< 0.05	0.96	-	6.12	< 0.5	0.65	< 0.01	< 0.01	< 10	0.718	< 1	5.9
QUL-66	QUL66-40M	2014 08 19	15.9	24.5	< 30	2.73	100	1.12	3.83	0.29	0.84	19.7	< 0.1	< 10	< 0.01	< 0.5	< 0.1	5.58	< 0.05	1.2	-	6.36	< 0.5	0.62	< 0.01	< 0.01	< 10	0.728	1	< 3
	QUL66-40MX	2014 08 19	16.8	24.7	< 30	2.75	100	1.12	3.87	0.29	0.85	19.8	< 0.1	< 10	< 0.01	< 0.5	< 0.1	5.46	< 0.05	1.11	-	6.31	< 0.5	0.64	< 0.01	< 0.01	< 10	0.723	1	< 3
	QA/QC RPD %		6	< 1	*	< 1	0	0	1	*	1	< 1	*	*	*	*	*	2	*	*	-	< 1	*	*	*	*	*	< 1	*	*
	QUL66-40M	2014 08 21	13.7	23.5	< 30	2.59	77.3	1.05	3.51	0.25	0.7	18.9	< 0.1	< 10	< 0.01	< 0.5	< 0.1	5.52	< 0.05	0.55	< 0.05	5.66	< 0.5	0.55	< 0.01	< 0.01	< 10	0.656	< 1	< 3
	QUL-66-0M	2014 08 26	9.9	17.1	< 30	1.93	2.31	0.46	0.819	< 0.1	< 0.1	5.74	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.96	< 0.05	0.61	-	0.298	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.132	< 1	< 3
	QUL-66-10M	2014 08 26	9.9	17.9	< 30	2.01	6.44	0.49	0.974	< 0.1	0.14	7.36	< 0.1	< 10	< 0.01	< 0.5	< 0.1	2.93	< 0.05	0.6	-	0.448	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.147	< 1	< 3
	QUL-66-58M	2014 08 26	15.3	25.3	< 30	2.77	108	1.02	3.56	0.28	0.81	19.1	< 0.1	< 10	< 0.01	< 0.5	< 0.1	5.26	< 0.05	0.94	-	5.83	< 0.5	0.66	< 0.01	< 0.01	< 10	0.673	< 1	< 3
	QUL-66-0M	2014 08 28	10.1	16.6	< 30	1.93	0.447	0.471	0.822	< 0.1	0.14	5.28	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.54	< 0.05	0.79	-	0.294	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.138	< 1	< 3
	QUL-66-18M	2014 08 28	10.6	18.3	< 30	2.01	9.34	0.48	0.904	< 0.1	0.12	8.62	< 0.1	< 10	< 0.01	< 0.5	< 0.1	3.43	< 0.05	< 0.5	-	0.367	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.152	< 1	< 3
	QUL-66-40M	2014 08 28	35.3	22.8	< 30	2.54	69.3	0.981	3.3	0.24	0.7	17.1	< 0.1	< 10	< 0.01	< 0.5	< 0.1	5.71	< 0.05	0.64	-	4.96	< 0.5	0.52	< 0.01	< 0.01	< 10	0.595	< 1	< 3
	QUL-66X-40M	2014 08 28	12.7	21.8	< 30	2.44	54.5	0.859	2.73	0.34	0.73	14.7	0.29	< 10	0.023	< 0.5	< 0.1	5.01	0.156	0.65	-	3.94	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.552	< 1	< 3
	QA/QC RPD %		*	5	*	4	24	13	19	*	4	15	*	*	*	*	*	13	*	*	-	23	*	*	*	*	*	8	*	*
	QUL-66-0M	2014 08 30	9.8	16.5	< 30	1.93	0.607	0.469	0.818	< 0.1	0.11	5.41	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.58	< 0.05	0.56	-	0.269	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.139	< 1	< 3
	QUL-66-16M	2014 08 30	9.3	18.1	< 30	1.99	7.68	0.488	0.911	< 0.1	0.12	8.36	< 0.1	< 10	< 0.01	< 0.5	< 0.1	3.97	< 0.05	0.62	-	0.353	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.155	< 1	< 3
	QUL-66-39M	2014 08 30	16.2	23.7	< 30	2.62	74.9	1.15	4.09	0.3	0.83	18.4	< 0.1	< 10	< 0.01	< 0.5	< 0.1	6.01	< 0.05	0.81	-	6.86	< 0.5	0.58	< 0.01	< 0.01	< 10	0.693	< 1	< 3
	QUL-66-0M	2014 09 03	9.8	16.6	< 30	1.93	1.33	0.478	0.897	< 0.1	0.12	5.68	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.74	< 0.05	0.51	-	0.315	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.131	< 1	< 3
	QUL-66-14M	2014 09 03	7.1	18	< 30	2.03	2.73	0.486	0.905	< 0.1	0.11	6.11	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.67	< 0.05	0.81	-	0.328	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.149	< 1	< 3
	QUL-66-45M	2014 09 03	14.4	23	< 30	2.54	56.2	1.19	4.03	0.34	0.81	17.6	< 0.1	< 10	< 0.01	< 0.5	< 0.1	6.2	< 0.05	0.84	-	7.05	< 0.5	0.52	< 0.01	< 0.01	< 10	0.657	1.1	< 3
	QUL-66-0M	2014 09 07	9.9	16.3	< 30	1.9	0.34	0.466	0.833	< 0.1	< 0.1	5.43	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.7	< 0.05	0.74	-	0.283	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.139	< 1	< 3
	QUL-66-10M	2014 09 07	9.2	17.1	< 30	2	4.73	0.497	0.918	< 0.1	0.13	7.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.61	< 0.05	0.69	-	0.35	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.143	< 1	< 3
	QUL-66-50M	2014 09 07	15.4	23.3	< 30	2.55	54.4	1.19	3.97	0.3	0.81	17.3	< 0.1	< 10	< 0.01	< 0.5	< 0.1	6.56	< 0.05	1.38	-	6.95	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.677	1.1	< 3
	QUL-66X-50M	2014 09 07	14.8	23.1	< 30	2.53	55.1	1.2	4.01	0.32	0.78	17.5	< 0.1	< 10	< 0.01	< 0.5	< 0.1	6.61	< 0.05	1.16	-	7.08	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.704	1	< 3
	QA/QC RPD %		*	< 1	*	< 1	1	< 1	1	*	4	1	*	*	*	*	*	< 1	*	*	-	2	*	*	*	*	*	4	*	*
	QUL-66-0M	2014 09 11	8.7	17.3	< 30	1.97	0.631	0.462	0.849	< 0.1	0.11	5.63	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.14	< 0.05	< 0.5	-	0.306	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.146	< 1	< 3
	QUL-66-34M	2014 09 11	17.3	22.4	< 30	2.44	43.3	1.11	3.76	0.3	0.73	16	< 0.1	< 10	< 0.01	< 0.5	< 0.1	6.38	< 0.05	0.68	-	6.35	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.627	< 1	< 3
	QUL-66-50M	2014 09 11	15	21.3	< 30	2.36	39.6	0.925	2.89	0.2	0.57	13.7	< 0.1	< 10	< 0.01	< 0.5	< 0.1	5.01	< 0.05	0.55	-	4.45	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.495	< 1	< 3
	QUL-66X-50M	2014 09 11	13.2	21.7	< 30	2.42	38	0.928	2.89	0.18	0.56	13.1	< 0.1	< 10	< 0.01	< 0.5	< 0.1	5.29	< 0.05	0.9	-	3.95	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.441	< 1	< 3
	QA/QC RPD %		*	2	*	3	4	< 1	0	*	2	5	*	*	*	*	*	5	*	*	-	12	*	*	*	*	*	12	*	*
	QUL-66-0M	2014 09 13	8.6	17.3	< 30	1.95	0.355	0.458	0.813	< 0.1	0.11	4.99	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.58	< 0.05	0.53	-	0.271	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.145	< 1	< 3
	QUL-66-10M	2014 09 13	8.3	17.5	< 30	1.99	4.51	0.475	0.917	< 0.1	0.16	6.48	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.47	< 0.05	< 0.5	-	0.361	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.151	< 1	< 3
	QUL-66-48M	2014 09 13	14.4	23.2	< 30	2.57	57.1	1.1	3.69	0.29	0.78	16.6	< 0.1	< 10	< 0.01	< 0.5	< 0.1	6.21	< 0.05	0.83	-	6.18	< 0.5	0.53	< 0.01	< 0.01	< 10	0.636	< 1	< 3
	QUL-66-0M	2014 09 15	8.7	17.3	< 30	1.93	0.405	0.444	0.77	< 0.1	< 0.1	4.88	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.75	-	0.262	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.14	< 1	< 3
	QUL-66-24M	2014 09 15	8.4	18.9	< 30	2.15	11.1	0.555	1.24	< 0.1	0.19	7.83	< 0.1	< 10	< 0.01	< 0.5	< 0.1	2.74	< 0.05	0.87	-	0.909	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.184	< 1	< 3
	QUL-66-48M	2014 09 15	16	23.3	< 30	2.57	53.1	1.04	3.49	0.26	0.67	15.8	< 0.1	< 10	< 0.01	< 0.5	< 0.1	6.04	0.077	1.13	-	5.74	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.563	< 1	3.5
	QUL-66-0M	2014 09 16	8.8	17.4	< 30	1.92	0.451	0.459	0.792	< 0.1	< 0.1	5.12	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.5	< 0.05	0.82	-	0.262	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.141	< 1	< 3
	QUL-66-40M	2014 09 16	14.4	22.3	< 30	2.47	44.3	0.978	3.08	0.21	0.61	14.4	< 0.1	< 10	< 0.01	< 0.5	< 0.1	5.45	< 0.05	1	-	4.94	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.508	< 1	< 3
	QUL-66-0M	2014 09 09	8.8	16.6	< 30	1.9	2.05	0.481	0.865	< 0.1	0.11	6.23	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.3	< 0.05	< 0.5	-	0.325	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.138	< 1	< 3
	QUL-66-46M	2014 09 09	18.4	23.7	< 30	2.62	69	1.17	3.94	0.34	0.84	17.8	< 0.1	< 10	0.011	< 0.5	< 0.1	6.62	< 0.05	0.93	-	6.84	< 0.5	0.67	< 0.01	< 0.01	< 10	0.687	1.1	< 3
	QUL-66-0M	2014 09 18	8.5	17.4	< 30	1.92	0.202	0.422	0.77	< 0.1	< 0.1	4.57	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.78	-	0.228	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.141	< 1	< 3
	QUL-66-15M	2014 09 18	9.1	18.5	< 30	2.1	8.85	0.481	1.06	< 0.1	0.17	7.76	< 0.1	< 10	< 0.01	< 0.5	< 0.1	3.71	< 0.05	0.76	-	0.5	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.158	< 1	< 3
	QUL-66-40M	2014 09 18	14.8	23	< 30	2.52	48.9	1.01	3.4	0.26	0.67	15	< 0.1	< 10	< 0.01	< 0.5	< 0.1	6.03	< 0.05	1.09	-	5.53	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.58	< 1	< 3
	QUL-66-0M	2014 09 20	8.6	17	< 30	1.8	0.603	0.439	0.761	< 0.1	0.1	4.94	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.51	< 0.05	0.7	-	0.233	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.145	< 1	< 3
	QUL-66-15M	2014 09 20	8.9	17.9	< 30	1.92	13.5	0.497	1.06	< 0.1	0.2	8.95	< 0.1	< 10	< 0.01	< 0.5	< 0.1	2.83	< 0.05	0.77	-	0.618	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.173	< 1	< 3
	QUL-66-45M	2014 09 18	14.8	22.3	< 30	2.37	51.6	1.04	3.61	0.27	0.71	16.2	< 0.1	< 10	< 0.01	< 0.5	< 0.1	5.83	< 0.05	1.15	-	5.92	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.612	< 1	< 3

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Metals																														
			Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bismuth (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Magnesium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Potassium (µg/L)	Selenium (µg/L)	Silicon (µg/L)	Silver (µg/L)	Sodium (µg/L)	Thallium (µg/L)	Tin (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																																	
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.016-0.079[d]	n/a	1 (Cr(+6))	110	6.0-27.9[d]	1,000	27.3-297.3[d]	870	n/a	1001-3582[d]	Methyl mercury analysis in progress	2,000	25-150[d]	373,000-432,000	2	n/a	0.1-3.0[d]	n/a	0.3	n/a	2,000	300	6	33-172.5[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	2-11[d]	n/a	4.4-14.9[d]	14[i]	n/a	791.1-1819[d]		1,000	n/a	n/a	n/a	n/a	0.05-1.5[d]	n/a	n/a	n/a	n/a	n/a	n/a	7.5-147[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	n/a	2	n/a	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	n/a	50	1	n/a	n/a	n/a	10	n/a	n/a	200,000	n/a	n/a	n/a	20	n/a	5,000
QUL-62	QUL-62	2014 08 18	19.5	< 0.1	0.13	5.39	< 0.1	< 0.5	< 10	< 0.01	16,100	< 0.5	< 0.1	< 1	< 30	< 0.05	0.67	1,880	1.32	-	0.297	< 0.5	463	< 0.5	1,540	< 0.01	834	< 0.01	< 0.1	< 10	0.143	< 1	< 3
QUL-63	QUL-63	2014 08 18	21.8	< 0.1	0.12	5.54	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	< 0.1	< 1	< 30	< 0.05	0.68	1,880	1.55	-	0.287	< 0.5	459	< 0.5	1,560	< 0.01	824	< 0.01	< 0.1	< 10	0.145	< 1	< 3
QUL-64	QUL-64	2014 08 18	19.4	< 0.1	0.12	5.41	< 0.1	< 0.5	< 10	< 0.01	16,100	< 0.5	< 0.1	< 1	< 30	< 0.05	0.63	1,890	1.21	-	0.305	< 0.5	461	< 0.5	1,570	< 0.01	849	< 0.01	< 0.1	< 10	0.14	< 1	< 3
	QUL-64-2M	2014 08 27	36.7	< 0.1	0.14	5.9	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	1.71	< 30	< 0.05	0.62	1,910	2.07	< 0.01	0.315	< 0.5	467	< 0.5	1,550	< 0.01	879	< 0.01	< 0.1	< 10	0.142	< 1	< 3
QUL-65	QUL65-45M	2014 08 19	***4,710***	0.36	2.21	115	0.12	< 0.5	< 10	**0.027**	25,100	**2.39**	1.97	**96.5**	***2,760***	1.99	2.97	4,120	***196***	-	6.19	2.44	2,940	0.73	11,700	0.041	4,480	0.015	0.17	191	0.885	**9.1**	**15.1**
QUL-66	QUL66-40M	2014 08 19	***5,490***	0.34	2.41	126	0.14	< 0.5	10	**0.03**	25,500	**2.4**	2.21	**111**	***3,090***	2.03	3.72	4,340	***192***	-	6.29	2.54	3,360	0.64	13,300	0.042	4,640	0.018	< 0.1	229	0.849	**10.4**	**11.2**
	QUL66-40MX	2014 08 19	***5,590***	0.34	2.41	129	0.14	< 0.5	10	**0.029**	25,500	**2.51**	2.17	**114**	***3,090***	2.03	3.62	4,370	***193***	-	6.18	2.54	3,420	0.64	13,500	0.041	4,770	0.019	< 0.1	230	0.857	**10.4**	**11.4**
	QA/QC RPD %		2	*	0	2	*	*	*	*	0	*	2	*	0	*	3	< 1	*	-	2	0	2	*	1	*	3	*	*	< 1	< 1	0	*
	QUL66-40M	2014 08 21	***4,940***	0.34	2.27	119	0.13	< 0.5	< 10	**0.032**	24,800	**2.46**	2.06	**106**	***2,880***	1.8	3.04	4,110	***168***	< 0.05	5.89	2.53	3,090	0.63	12,900	0.043	4,500	0.016	0.15	216	0.821	**9.8**	**9.8**
	QUL-66-0M	2014 08 26	***128***	< 0.1	0.17	7.29	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	**3.32**	138	0.068	0.62	1,940	6.19	< 0.01	0.314	< 0.5	495	< 0.5	1,710	< 0.01	849	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUL-66-10M	2014 08 26	***257***	< 0.1	0.21	9.62	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	0.2	**8.49**	288	0.171	0.64	2,020	11.7	< 0.01	0.438	0.71	518	< 0.5	2,020	< 0.01	929	< 0.01	< 0.1	15	0.155	< 1	< 3
	QUL-66-58M	2014 08 26	***3,690***	0.32	1.84	92.4	< 0.1	< 0.5	< 10	0.021	25,100	**1.97**	1.51	**76.5**	***2,150***	1.25	2.53	3,670	***176***	< 0.01	5.89	1.95	2,500	0.71	9,850	0.026	4,160	0.013	0.12	145	0.762	**7.3**	7.1
	QUL-66-0M	2014 08 28	22.8	< 0.1	0.12	5.68	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	0.98	< 30	< 0.05	< 0.5	1,960	1.52	< 0.01	0.315	< 0.5	469	< 0.5	1,560	< 0.01	876	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUL-66-18M	2014 08 28	***960***	< 0.1	0.57	21.1	< 0.1	< 0.5	< 10	< 0.05[a]	18,200	0.99	0.67	**24**	***953***	0.429	0.99	2,420	32.7	< 0.01	0.426	1.33	737	< 0.5	3,430	0.015	999	< 0.01	< 0.1	58	0.192	2.7	3.8
	QUL-66-40M	2014 08 28	***4,050***	0.3	1.86	101	< 0.1	< 0.5	< 10	< 0.05[a]	23,900	**1.92**	1.52	**75.2**	***2,200***	1.3	2.23	3,610	***140***	< 0.01	5.34	2.02	2,740	0.6	11,000	0.034	4,070	0.014	0.14	165	0.701	**7.6**	**7.9**
	QUL-66X-40M	2014 08 28	***4,860***	0.27	2.26	105	0.11	< 0.5	< 10	< 0.05[a]	23,200	**3.03**	2.22	**88.6**	***3,390***	1.67	3.14	4,000	***153***	< 0.01	4.35	3.17	2,760	0.52	12,100	0.043	3,730	0.018	0.17	224	0.653	**10.6**	**10.6**
	QA/QC RPD %		18	*	19	4	*	*	*	*	3	*	37	*	43	*	*	10	*	*	20	*	< 1	*	10	*	9	*	*	30	7	33	*
	QUL-66-0M	2014 08 30	35.7	< 0.1	0.14	5.76	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	1.86	32	0.058	< 0.5	1,940	2.05	< 0.01	0.294	< 0.5	484	< 0.5	1,550	< 0.01	841	< 0.01	< 0.1	< 10	0.138	< 1	< 3
	QUL-66-16M	2014 08 30	***434***	< 0.1	0.31	14	< 0.1	< 0.5	< 10	< 0.01	17,700	< 0.5	0.32	**15.9**	***415***	0.233	0.76	2,160	18.6	< 0.01	0.387	0.71	595	< 0.5	2,450	< 0.01	941	< 0.01	< 0.1	26	0.167	1.4	< 3
	QUL-66-39M	2014 08 30	***4,240***	0.37	1.96	108	0.1	< 0.5	10	**0.029**	24,400	**1.89**	1.56	**86.8**	***2,160***	1.46	2.46	3,650	***143***	< 0.01	7.02	1.94	3,030	0.63	11,100	0.033	4,770	0.013	0.14	159	0.798	**8**	**7.8**
	QUL-66-0M	2014 09 03	59.5	< 0.1	0.14	6.26	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	**2.04**	53	< 0.05	0.67	1,930	3.05	< 0.01	0.382	< 0.5	498	< 0.5	1,590	< 0.01	857	< 0.01	< 0.1	< 10	0.147	< 1	< 3
	QUL-66-14M	2014 09 03	***598***	< 0.1	0.39	15.7	< 0.1	< 0.5	< 10	< 0.01	17,900	0.62	0.35	**12.6**	***545***	0.233	1.24	2,250	18.7	< 0.01	0.425	0.83	673	< 0.5	2,830	< 0.01	976	< 0.01	< 0.1	44	0.188	1.9	< 3
	QUL-66-45M	2014 09 03	***5,260***	0.4	2.18	130	0.12	< 0.5	10	**0.025**	24,000	**2.36**	1.86	**102**	***2,570***	1.68	3.13	3,790	***138***	< 0.01	7.23	2.37	3,600	0.55	13,900	0.038	4,810	0.018	0.16	196	0.797	**9.6**	**9.2**
	QUL-66-0M	2014 09 07	36.8	< 0.1	0.13	5.95	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	1.3	< 30	< 0.05	0.77	1,980	1.73	-	0.326	< 0.5	493	< 0.5	1,580	< 0.01	878	< 0.01	< 0.1	< 10	0.156	< 1	< 3
	QUL-66-10M	2014 09 07	***270***	< 0.1	0.25	9.94	< 0.1	< 0.5	< 10	< 0.01	17,500	0.66	0.21	**6.31**	***326***	0.168	0.99	2,180	12.6	-	0.396	0.81	577	< 0.5	2,130	< 0.01	979	< 0.01	< 0.1	15	0.171	< 1	< 3
	QUL-66-50M	2014 09 07	***4,120***	0.35	1.9	114	< 0.1	< 0.5	10	0.021	24,100	**1.76**	1.48	**84.8**	***2,080***	1.44	2.77	3,560	***115***	-	7.24	1.95	3,100	< 0.5	13,300	0.032	4,540	0.015	0.13	163	0.805	**7.4**	**8**
	QUL-66X-50M	2014 09 07	***4,270***	0.36	1.98	115	0.1	< 0.5	11	0.023	24,400	**1.85**	1.55	**88.9**	***2,220***	1.48	2.99	3,650	***122***	-	7.53	1.96	3,180	0.51	16,800	0.031	4,790	0.016	0.13	179	0.833	**7.7**	**7.8**
	QA/QC RPD %		4	*	4	< 1	*	*	*	*	1	*	5	*	7	*	8	3	*	-	4	*	3	*	23	*	5	*	*	9	3	4	*
	QUL-66-0M	2014 09 11	58	< 0.1	0.13	6.29	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	**2.19**	53	< 0.05	< 0.5	1,980	2.94	-	0.345	< 0.5	480	< 0.5	1,630	< 0.01	868	< 0.01	< 0.1	< 10	0.157	< 1	< 3
	QUL-66-34M	2014 09 11	***3,710***	0.34	1.64	102	< 0.1	< 0.5	13	0.021	22,600	**1.48**	1.22	**73.4**	***1,680***	1.18	2.13	3,220	***97.1***	-	6.42	1.64	2,910	< 0.5	10,200	0.037	4,340	0.012	0.12	129	0.682	**6.4**	6.5
	QUL-66-50M	2014 09 11	***2,710***	0.25	1.26	76.9	< 0.1	< 0.5	< 10	0.017	21,400	**1.19**	0.92	**55.5**	***1,350***	0.961	1.41	2,950	***87.6***	-	5.02	1.37	2,240	< 0.5	8,180	0.025	3,450	0.011	< 0.1	99	0.591	4.9	5
	QUL-66X-50M	2014 09 11	***2,080***	0.26	1.07	61.3	< 0.1	< 0.5	11	0.015	20,700	0.96	0.7	**46.9**	***973***	0.771	1.65	2,710	***71***	-	4.05	1.14	1,860	0.68	6,490	0.032	3,120	< 0.01	< 0.1	69	0.499	3.8	4.5
	QA/QC RPD %		26	*	16	23	*	*	*	*	3	*	27	*	33	*	*	9	*	-	21	*	19	*	23	*	10	*	*	36	17	*	*
	QUL-66-0M	2014 09 13	19.5	< 0.1	0.11	5.15	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	0.81	< 30	< 0.05	< 0.5	1,960	1.07	-	0.348	< 0.5	464	< 0.5	1,490	< 0.01	824	< 0.01	< 0.1	< 10	0.156	< 1	< 3
	QUL-66-10M	2014 09 13	***801***	< 0.1	0.47	17.2	< 0.1	< 0.5	< 10	< 0.01	17,500	0.98	0.5	**14**	***882***	0.358	1.06	2,300	23.2	-	0.406	1.28	693	< 0.5	3,120	< 0.01	978	< 0.01	< 0.1	45	0.182	2.3	3.6
	QUL-66-48M	2014 09 13	***4,080***	0.32	1.7	111	< 0.1	< 0.5	11	**0.071**	23,500	**1.64**	1.22	**69.7**	***1,790***	1.23	2.01	3,380	***116***	-	6.45	1.7	3,130	0.51	11,500	0.025	4,400	0.015	0.12	131	0.728	**6.5**	6.2
	QUL-66-0M	2014 09 15	22.7	< 0.1	0.1	5.07	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	0.74	< 30	< 0.05	0.81	1,900	1.05	-	0.275	< 0.5	439	< 0.5	1,460	< 0.01	789	< 0.01	< 0.1	< 10	0.139	< 1	< 3
	QUL-66-24M	2014 09 15	***940***	< 0.1	0.53	21.5	< 0.1	< 0.5	< 10	< 0.01	18,900	**1.01**	0.55	**18.2**	***932***	0.377	1.65	2,520	31.8	-	1.03	1.29	872	< 0.5	4,150	< 0.01	1,360	< 0.01	< 0.1	52	0.225	2.4	3.5
	QUL-66-48M	2014 09 15	***3,240***	0.3	1.75	86.5	< 0.1	< 0.5	< 10	0.023	23,000	**1.89**	1.39	**69.3**	***2,050***	1.18	2.68	3,340	***111***	-	5.93	2.03	2,380	0.52	9,470	0.029	3,970	0.012	0.1	143	0.633	**6.9**	6.9
	QUL-66-0M	2014 09 16	28.1	< 0.1	< 0.1	5.22	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	0.88	< 30	< 0.05	0.79	1,910	1.41	-	0.303	< 0.5	459	< 0.5	1,440	< 0.01	800	< 0.01	< 0.1	< 10	0.146	< 1	< 3
	QUL-66-40M	2014 09 16	***2,830***	0.26	1.32	78.3	< 0.1	< 0.5	< 10	0.019	22,500	**1.36**	1.02	**53.6**	***1,480***	0.924	2.24	3,080	***86.5***	-	5.07	1.5	2,270	< 0.5	8,540	0.022	3,480	0.01	< 0.1	103	0.564	5.2	5.2
	QUL-66-0M	2014 09 09	***144***	< 0.1	0.19	7.5	< 0.1	< 0.5	< 10	< 0.01	16,100	0.76	0.11	**3.82**	184	0.11	< 0.5	1,950	6.51	< 0.01	0.323	0.82	499	< 0.5	1,720	< 0.01	852	< 0.01	< 0.1	10	0.141	< 1	< 3
	QUL-66-46M	2014 09 09	***3,830***	0.37	1.75	103	< 0.1	< 0.5	11	**0.026**	24,300	**1.78**	1.35	**74.6**	***1,890***	1.32	2.27	3,390	***132***	< 0.01	6.89	1.72	2,910	0.61	9,820	0.036	4,520	0.02	0.15	139	0.784	**6.9**	6.8
	QUL-66-0M	2014 09 18	15.3	< 0.1	< 0.1	4.69	< 0.1	< 0.5	< 10	< 0.01	17,600	< 0.5	< 0.1	0.57	< 30	< 0.05	0.79	1,930	0.701	-	0.25	< 0.5	418	< 0.5	1,410	< 0.01	753	< 0.01	< 0.1	< 10	0.151	< 1	< 3
	QUL-66-15M	2014 09 18	***1,280***	< 0.1	0.67	21.5	< 0.1	< 0.5	< 10	0.013	18,500	**1.63**	0.89	**25.2**	***1,580***	0.606	2.06	2,650	39.3	-	0.574	1.93	791	< 0.5	3,830	0.015	1,150	< 0.01	< 0.1	71	0.204	3.5	5
	QUL-66-40M	2014 09 18	***3,120***	0.3	1.49	84.6	< 0.1	< 0.5	11	0.02	23,100	**1.42**	1.05	**58.9**	***1,580***	1.04	2.29	3,180	***98.1***	-	5.71	1.48	2,420	< 0.5	8,660	0.023	3,880	0.014	0.11	115	0.66	5.5	5.6
	QUL-66-0M	2014 09 20	31.3	< 0.1	0.1	5.33	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	0.91	< 30	< 0.05	0.75	1,770	1.9	-	0.284	< 0.5	453	< 0.5	1,390	< 0.01	792	< 0.01	< 0.1	< 10	0.158	< 1	< 3
	QUL-66-15M	2014 09 20	***2,070***	< 0.1	0.98	31.7	< 0.1	< 0.5	< 10	0.016	18,500	**2.46**	1.32	**39.4**	***2,160***	0.891	2.6	2,680	***57.6***	-	0.697	2.74	1,060	< 0.5	5,240	0.019	1,360	< 0.01	< 0.1	95	0.233	5.1	7.3
	QUL-66-45M	2014 09 20	***3,180***	0.31	1.46	92.1	< 0.1	< 0.5	< 10	0.016	22,200	**1.34**	1	**59.7**	***1,500***	1.01	2.1	2,920	***97.2***	-	5.92	1.45	2,510	< 0.5	9,510	0.021	4,150	0.012	0.1	111	0.671	5.4	5.4

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical Parameters									Total Inorganics												
			Hardness (mg/L)	pH (field) (pH)	pH (pH)	Temperature (field) (C)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)	Total Kjeldahl Nitrogen (N) (mg/L)	Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Bromide (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus[g] (mg/L)
BC Guidelines																								
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	6.5-9.0		Change of 8	n/a	n/a	Change of 25	n/a	n/a	n/a	5,680-18,400[d]	32,800	60-600[d]	32,800[f]	600	988.2-1742[d]	n/a	n/a	n/a	n/a	0.005-0.015
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	+/-1 Degree change from ambient	Change of 2	n/a	n/a	Change of 5	+20% of median background	n/a	n/a	1,090-1,770[d]	3,000	20-200[d]	3,000[f]	150	n/a	128-429[d]	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	6.5-8.5	n/a[i]	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,000	500	n/a	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	6.5-8.5	n/a[i]	n/a[i]	n/a	500	n/a	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a	n/a
QUL-66	QUL-66-0M	2014 09 23	51	8	7.96	15.27	0.46	101	63	< 3	1.78	-	0.236	6.5	54.7	< 1	-	< 0.5	31	6.05	50	-	< 0.001	< 0.002[a]
	QUL-66-15M	2014 09 23	51.1	7.94	7.93	14.7	0.58	101	67	< 3	1.86	-	0.124	< 5	53.1	< 1	-	< 0.5	32	6.05	49.6	-	< 0.001	< 0.002[a]
	QUL-66-50M	2014 09 23	66.8	7.81	8	6.5	58.2	148	100	28.2	1.9	-	0.323	45.6	183	2.1	-	0.53	68	16.2	62.5	-	0.0016	**0.004**
QUL-67	QUL-67-34M	2014 08 20	64.6	7.74	7.9	5.8	49.5	136	91	10	1.91	-	0.324	32.1	195	< 1	-	< 0.5	52	12.4	55.5	-	< 0.001	< 0.002[a]
QUL-68	QUL-68-40M	2014 08 21	68.9	7.85	7.85	5.5	70.6	146	100	28.7	2	-	0.384	42.2	225	1.5	-	< 0.5	65	15.3	57.2	-	0.008	***0.0108***
QUL-69	QUL-69-32M	2014 08 21	58.8	7.72	7.84	5.1	26.5	119	77	13.9	2.03	-	0.254	14.3	169	< 1	-	< 0.5	48	8.97	51.9	-	0.0093	***0.0143***
QUL-74	QUL-74-46M	2014 08 21	60.9	7.90	7.85	4.9	37.5	124	83	7.9	1.79	-	0.286	23	183	< 1	-	< 0.5	50	10.5	52.4	-	0.0188	***0.0413***
QUL-75	QUL-75-40M	2014 08 21	62	7.97	7.85	5.4	42.3	127	90	4.7	1.84	-	0.301	27.2	191	< 1	-	< 0.5	53	11.3	53.9	-	0.017	***0.0276***
QUL-77	QUL-77	2014 08 22	50.4	7.66	7.95	16.9	0.67	98.4	68	< 3	2.2	-	0.154	< 5	65.2	< 1	-	< 0.5	34	5.77	45	-	< 0.001	< 0.002[a]
QUL-79	QUL-79-0M	2014 08 25	42.3	7.99	7.89	18.3	0.26	97.2	68	< 3	1.91	-	0.127	< 5	44.4	< 1	-	< 0.5	35	5.76	43.6	-	< 0.001	< 0.002[a]
	QUL-79-27M	2014 08 25	54.7	7.19	7.9	5.3	4.87	110	63	3.5	1.64	-	0.213	< 5	147	< 1	-	< 0.5	38	6.85	49.6	-	0.0223	***0.134***
	QUL-79-79M	2014 08 25	56	7.35	7.9	4.8	10.4	113	76	3.7	1.64	-	0.217	5.5	153	< 1	-	< 0.5	40	7.56	50.4	-	0.0158	***0.138***
	QUL-79-0M	2014 08 27	49.4	7.95	7.99	19.0	0.23	98.5	62	< 3	1.99	-	0.112	< 5	43.6	< 1	-	< 0.5	34	5.75	44	-	< 0.001	< 0.002[a]
	QUL-79-55M	2014 08 27	54.7	-	7.93	-	0.69	108	66	< 3	1.9	-	0.195	< 5	145	< 1	-	< 0.5	36	6.35	48.9	-	0.0019	**0.0027**
	QUL-79-0M	2014 08 29	49.7	-	7.96	-	0.22	96.5	60	< 3	2.18	-	0.12	< 5	42.1	< 1	-	< 0.5	35	5.68	44.4	-	< 0.001	< 0.002[a]
	QUL-79-32M	2014 08 29	54.3	-	7.85	-	5.89	107	66	3	1.83	-	0.202	< 5	144	< 1	-	< 0.5	39	6.83	48.9	-	< 0.001	< 0.002[a]
	QUL-79-0M	2014 09 02	50.7	8.11	7.98	18	0.28	97.3	59	< 3	2.11	-	0.131	6.1	43.1	< 1	-	< 0.5	32	5.8	50.9	-	0.0018	**0.0022**
	QUL-79-30M	2014 09 02	54.8	7.42	7.92	5.1	2.86	107	72	< 3	2.06	-	0.192	< 5	141	< 1	-	< 0.5	35	6.55	47.9	-	< 0.001	**0.0036**
	QUL-79-60M	2014 09 02	55.7	-	7.93	-	1.19	107	76	< 3	1.78	-	0.206	< 5	145	< 1	-	< 0.5	34	6.43	48.8	-	< 0.001	**0.0026**
	QUL-79-0M	2014 09 04	50.3	7.9	7.95	17.45	0.35	101	60	< 3	2.1	-	0.107	< 5	40.7	< 1	-	< 0.5	33	5.75	46.2	-	< 0.001	< 0.002[a]
	QUL-79-8M	2014 09 04	49.5	7.5	7.94	12.41	0.55	103	69	< 3	2	-	0.153	6	73.8	< 1	-	< 0.5	34	5.96	47.5	-	< 0.001	**0.0028**
	QUL-79-45M	2014 09 04	53.5	7.21	7.94	10.86	0.27	109	64	< 3	1.71	-	0.178	< 5	144	< 1	-	< 0.5	36	6.24	50.3	-	< 0.001	< 0.002[a]
	QUL-79-0M	2014 09 06	49.1	7.81	7.96	17.58	0.38	101	61	< 3	1.78	-	0.113	< 5	41.4	< 1	-	< 0.5	32	5.79	46.2	-	< 0.001	< 0.002[a]
	QUL-79-10M	2014 09 06	50.5	7.74	7.94	14.47	0.34	103	61	< 3	1.66	-	0.166	6.4	92.7	< 1	-	< 0.5	32	6	46.6	-	< 0.001	< 0.002[a]
	QUL-79-60M	2014 09 06	56.3	7.03	7.96	4.3	14.5	120	71	4.8	1.65	-	0.239	14.5	162	< 1	-	< 0.5	42	8.89	52.6	-	< 0.001	< 0.002[a]
	QUL-79-0M	2014 09 09	49.5	8.08	7.9	15.7	0.98	100	67	< 3	2.05	-	0.123	< 5	52	< 1	-	< 0.5	33	5.8	47.5	-	< 0.001	< 0.002[a]
	QUL-79-12M	2014 09 09	54.8	7.66	7.89	5.35	5.25	110	70	< 3	1.64	-	0.191	< 5	146	< 1	-	< 0.5	37	6.89	51.5	-	< 0.001	< 0.002[a]
	QUL-79-43M	2014 09 09	53.9	7.64	7.9	4	1.03	109	71	< 3	1.55	-	0.177	< 5	146	< 1	-	< 0.5	36	6.35	50.8	-	< 0.001	< 0.002[a]
	QUL-79X-43M	2014 09 09	54.3	7.64	7.8	4	0.86	108	71	< 3	1.56	-	0.194	< 5	146	< 1	-	< 0.5	36	6.33	50	-	< 0.001	< 0.002[a]
QA/QC RPD %			< 1	0	1	0	18	< 1	0	*	*	-	*	*	0	*	-	*	*	< 1	2	-	*	*
QUL-79-0M		2014 09 11	50.3	8.1	7.91	13.1	0.59	102	66	< 3	2.11	-	0.138	< 5	70.2	< 1	-	< 0.5	34	5.98	48.2	-	< 0.001	< 0.002[a]
QUL-79-38M		2014 09 11	54.6	7.73	7.91	5.7	3.36	109	72	4.4	1.74	-	0.189	5.7	136	< 1	-	< 0.5	38	6.9	52.1	-	< 0.001	< 0.002[a]
QUL-79-50M		2014 09 11	54	7.72	7.92	4.7	5.21	111	76	< 3	1.84	-	0.185	5.9	148	< 1	-	< 0.5	39	7.39	52.9	-	< 0.001	< 0.002[a]
QUL-79-0M		2014 09 13	50.5	7.94	7.8	14.2	0.25	103	64	< 3	1.65	-	0.129	< 5	63.2	< 1	-	< 0.5	34	6.01	47.4	-	< 0.001	**0.0021**
QUL-79-14M		2014 09 13	51.7	7.8	7.8	9.6	0.59	103	65	< 3	1.7	-	0.131	7.1	72	< 1	-	< 0.5	34	6.06	48.5	-	< 0.001	< 0.002[a]
QUL-79-50M		2014 09 13	62.4	7.7	7.85	6.1	28.7	129	84	19.2	1.71	-	0.25	29.6	165	1.5	-	< 0.5	58	11.7	55.5	-	0.0012	**0.0036**
QUL-79-0M		2014 09 15	50.1	7.96	7.95	15	0.26	101	63	< 3	1.63	-	0.112	< 5	58.4	< 1	-	< 0.5	32	6.07	48.3	-	< 0.001	< 0.002[a]
QUL-79-26M		2014 09 15	55.2	7.59	7.96	5.5	6.76	112	71	4	1.76	-	0.225	9.5	147	< 1	-	< 0.5	39	7.75	51.9	-	< 0.001	< 0.002[a]
QUL-79-50M		2014 09 15	57.4	7.63	7.96	6	11.8	116	75	3.7	1.5	-	0.209	13.6	153	< 1	-	< 0.5	42	8.65	52.8	-	< 0.001	< 0.002[a]
QUL-79-0M		2014 09 18	51.5	7.94	7.99	15.2	0.23	98.6	70	< 3	1.7	-	0.123	< 5	55.9	< 1	-	< 0.5	32	6.05	47.2	-	< 0.001	< 0.002[a]
QUL-79-15M		2014 09 18	51.1	7.68	7.93	12	1.55	101	58	< 3	1.82	-	0.139	< 5	75.8	< 1	-	< 0.5	33	6.15	48.3	-	< 0.001	< 0.002[a]
QUL-79-50M		2014 09 18	55.8	7.4	7.93	4.2	2.83	107	75	< 3	1.63	-	0.192	< 5	145	< 1	-	< 0.5	36	6.71	50	-	< 0.001	< 0.002[a]
QUL-79-0M		2014 09 19	51.1	8	7.94	15.5	0.32	100	62	< 3	1.63	-	0.124	< 5	58.3	< 1	-	< 0.5	34	6.04	48.3	-	< 0.001	< 0.002[a]
QUL-79-25M		2014 09 19	53.3	7.62	7.87	6.4	2.7	106	63	< 3	1.77	-	0.187	< 5	127	< 1	-	< 0.5	36	6.51	50	-	< 0.001	**0.0021**
QUL-79-58M		2014 09 19	58.6	7.68	7.91	5.5	19.4	119	76	6.5	1.67	-	0.235	16.1	155	< 1	-	< 0.5	45	9.53	52.8	-	< 0.001	< 0.002[a]
QUL-79-0M		2014 09 22	48.1	8.07	7.93	15.27	0.21	102	67	< 3	1.77	-	0.121	< 5	58.6	< 1	-	< 0.5	30	6.05	48.2	-	< 0.001	< 0.002[a]
QUL-79-30M		2014 09 22	52.7	7.67	7.9	5.13	7.78	113	72	< 3	1.8	-	0.225	7.1	148	< 1	-	< 0.5	41	7.8	52.2	-	< 0.001	< 0.002[a]
QUL-79-58M		2014 09 22	53.5	7.61	7.89	4.64	5.71	112	72	< 3	1.62	-	0.208	5.2	150	< 1	-	< 0.5	40	7.48	51.1	-	< 0.001	< 0.002[a]

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																											
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																														
BCWQG Aquatic Life (AW)[b,c]			30-100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50-1000[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
QUL-66	QUL-66-0M	2014 09 23	9	17.3	< 30	1.89	0.257	0.454	0.838	< 0.1	0.11	4.94	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.58	< 0.05	0.64	-	0.254	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.145	< 1	< 3
	QUL-66-15M	2014 09 23	8.2	17.3	< 30	1.91	0.544	0.442	0.832	< 0.1	< 0.1	4.98	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.68	< 0.05	0.62	-	0.248	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.15	< 1	< 3
	QUL-66-50M	2014 09 23	15.2	22.6	< 30	2.51	49	1.06	3.69	0.29	0.76	15.5	< 0.1	< 10	0.011	< 0.5	< 0.1	6.71	< 0.05	1.09	-	5.8	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.58	< 1	< 3
QUL-67	QUL-67-34M	2014 08 20	11.9	21.8	< 30	2.47	79.9	0.78	2.37	0.15	0.52	15.6	< 0.1	< 10	< 0.01	< 0.5	< 0.1	3.97	< 0.05	0.53	-	3.14	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.466	< 1	< 3
QUL-68	QUL-68-40M	2014 08 21	11.7	23.3	< 30	2.62	106	0.889	3.46	0.2	0.67	17.3	< 0.1	< 10	< 0.01	< 0.5	< 0.1	4.2	< 0.05	1.08	-	4.45	< 0.5	0.51	< 0.01	< 0.01	< 10	0.593	< 1	< 3
QUL-69	QUL-69-32M	2014 08 21	10.1	19.8	< 30	2.26	47.4	0.597	1.72	< 0.1	0.31	10.3	< 0.1	< 10	< 0.01	< 0.5	< 0.1	2.53	< 0.05	0.99	-	1.49	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.287	< 1	< 3
QUL-74	QUL-74-46M	2014 08 21	11.4	20.6	< 30	2.29	42.8	0.652	2.11	0.11	0.38	11.4	< 0.1	< 10	< 0.01	< 0.5	< 0.1	3.33	< 0.05	0.95		2.09	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.362	< 1	< 3
QUL-75	QUL-75-40M	2014 08 21	10.5	21	< 30	2.35	46.1	0.685	2.08	0.12	0.42	12	< 0.1	< 10	< 0.01	< 0.5	< 0.1	3.29	< 0.05	1		2.51	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.408	< 1	< 3
QUL-77	QUL-77	2014 08 22	10.2	17	< 30	1.93	0.945	0.458	0.829	< 0.1	< 0.1	5.56	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.06	< 0.05	0.85		0.272	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
QUL-79	QUL-79-0M	2014 08 25	8.1	14.2	< 30	1.66	0.269	0.382	0.689	< 0.1	< 0.1	4.43	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.229	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.111	< 1	< 3
	QUL-79-27M	2014 08 25	6.8	18.5	< 30	2.08	5.6	0.491	1.74	< 0.1	0.12	6.1	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.62	< 0.05	0.5	-	0.528	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.177	< 1	< 3
	QUL-79-79M	2014 08 25	6.3	19	< 30	2.11	8.68	0.517	1.32	< 0.1	0.17	6.65	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.4	< 0.05	0.59	-	0.741	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.203	< 1	< 3
	QUL-79-0M	2014 08 27	10.2	16.7	< 30	1.91	0.304	0.44	0.818	< 0.1	< 0.1	4.91	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.74		0.254	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.136	< 1	< 3
	QUL-79-55M	2014 08 27	4.9	18.5	< 30	2.08	0.562	0.46	0.923	< 0.1	< 0.1	5.16	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.51	< 0.05	0.8		0.27	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.152	< 1	< 3
	QUL-79-0M	2014 08 29	10	16.8	< 30	1.9	0.293	0.449	0.793	< 0.1	0.1	4.95	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.68	-	0.259	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.14	< 1	< 3
	QUL-79-32M	2014 08 29	6.7	18.3	< 30	2.09	5.41	0.499	1.05	< 0.1	0.14	6.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.25	< 0.05	0.66	-	0.566	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.182	< 1	< 3
	QUL-79-0M	2014 09 02	9.8	17.1	< 30	1.92	0.28	0.454	0.803	< 0.1	0.1	4.95	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.66	-	0.271	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.139	< 1	< 3
	QUL-79-30M	2014 09 02	5.8	18.5	< 30	2.06	2.3	0.492	0.972	< 0.1	0.12	5.65	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.03	< 0.05	0.89	-	0.438	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.173	< 1	< 3
	QUL-79-60M	2014 09 02	4.2	18.9	< 30	2.08	1.23	0.48	0.92	< 0.1	< 0.1	5.1	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.61	< 0.05	0.81	-	0.325	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.159	< 1	< 3
	QUL-79-0M	2014 09 04	9.5	16.9	< 30	1.96	0.449	0.445	0.806	< 0.1	0.1	5.28	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.55	< 0.05	0.61	-	0.329	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.153	< 1	< 3
	QUL-79-8M	2014 09 04	8.3	16.6	< 30	1.97	1.08	0.47	0.873	< 0.1	0.13	5.95	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.83	< 0.05	0.68	-	0.352	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.149	< 1	< 3
	QUL-79-45M	2014 09 04	4.6	18.1	< 30	2.02	0.292	0.452	0.853	< 0.1	< 0.1	4.85	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.85	-	0.27	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.18	< 1	< 3
	QUL-79-0M	2014 09 06	10.2	16.6	< 30	1.89	0.443	0.473	0.81	< 0.1	< 0.1	5.1	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.65	< 0.05	0.83	-	0.275	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
	QUL-79-10M	2014 09 06	8.7	17.1	< 30	1.88	0.262	0.444	0.788	< 0.1	< 0.1	4.86	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.55	< 0.05	0.89	-	0.229	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.134	< 1	< 3
	QUL-79-60M	2014 09 06	7.5	19	< 30	2.13	14.4	0.583	1.4	< 0.1	0.22	7.8	< 0.1	< 10	< 0.01	< 0.5	< 0.1	2.19	< 0.05	0.94	-	1.41	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.258	< 1	< 3
	QUL-79-0M	2014 09 09	9.4	16.7	< 30	1.88	0.341	0.472	0.857	< 0.1	< 0.1	5.57	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.81	< 0.05	0.56	-	0.304	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.137	< 1	< 3
	QUL-79-12M	2014 09 09	6.5	18.5	< 30	2.08	4.32	0.514	1.08	< 0.1	0.15	6.23	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.34	< 0.05	0.69	-	0.605	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.179	< 1	< 3
	QUL-79-43M	2014 09 09	4.4	18.2	< 30	2.05	0.709	0.476	0.921	< 0.1	< 0.1	5.15	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.67	< 0.05	0.67	-	0.304	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.154	< 1	< 3
	QUL-79X-43M	2014 09 09	4.5	18.4	< 30	2.06	0.711	0.474	0.914	< 0.1	< 0.1	5.18	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.71	< 0.05	0.68	-	0.281	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.153	< 1	< 3
QA/QC RPD %			*	1	*	< 1	< 1	< 1	< 1	*	*	< 1	*	*	*	*	*	*	*	*	-	8	*	*	*	*	*	< 1	*	*
	QUL-79-0M	2014 09 11	8.6	17	< 30	1.94	0.45	0.459	0.841	< 0.1	0.12	5.27	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.72	< 0.05	< 0.5	-	0.287	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.15	< 1	< 3
	QUL-79-38M	2014 09 11	7.2	18.5	< 30	2.08	3.6	0.495	1.03	< 0.1	0.13	5.92	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.04	< 0.05	< 0.5	-	0.605	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.183	< 1	< 3
	QUL-79-50M	2014 09 11	6.9	18.2	< 30	2.05	4.47	0.491	1.05	< 0.1	0.14	6.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.19	< 0.05	0.51	-	0.681	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.195	< 1	< 3
	QUL-79-0M	2014 09 13	9.2	17.2	< 30	1.85	0.301	0.468	0.833	< 0.1	0.11	4.84	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.74	< 0.05	0.68	-	0.253	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.144	< 1	< 3
	QUL-79-14M	2014 09 13	8.1	17.3	< 30	2.03	0.702	0.501	0.926	< 0.1	0.12	5.66	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.73	< 0.05	0.63	-	0.327	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.144	< 1	< 3
	QUL-79-50M	2014 09 13	11.3	21.1	< 30	2.34	28.2	0.871	2.64	0.18	0.51	11.6	< 0.1	< 10	< 0.01	< 0.5	< 0.1	4.52	< 0.05	0.79	-	3.85	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.421	< 1	< 3
	QUL-79-0M	2014 09 15	8.6	17	< 30	1.86	0.202	0.43	0.752	< 0.1	< 0.1	4.71	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.78	-	0.227	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.147	< 1	< 3
	QUL-79-26M	2014 09 15	7.7	18.6	< 30	2.12	6.43	0.538	1.23	< 0.1	0.19	6.88	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.92	< 0.05	0.85	-	1.02	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.198	< 1	< 3
	QUL-79-50M	2014 09 15	7.9	19.4	< 30	2.2	11.2	0.61	1.53	< 0.1	0.22	7.95	< 0.1	< 10	< 0.01	< 0.5	< 0.1	2.84	< 0.05	0.93	-	1.62	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.239	< 1	< 3
	QUL-79-0M	2014 09 18	8.7	17.5	< 30	1.9	0.185	0.424	0.753	< 0.1	< 0.1	4.61	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.74	-	0.216	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.145	< 1	< 3
	QUL-79-15M	2014 09 18	8.8	17.2	< 30	1.96	0.193	0.464	0.874	< 0.1	0.1	5.57	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.18	< 0.05	0.75	-	0.316	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.147	< 1	< 3
	QUL-79-50M	2014 09 18	4.7	18.9	< 30	2.11	1.7	0.481	0.976	< 0.1	0.11	5.4	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.91	< 0.05	0.89	-	0.446	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.169	< 1	< 3
	QUL-79-0M	2014 09 19	12	17.4	< 30	1.85	0.186	0.419	0.753	< 0.1	< 0.1	4.66	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.76	-	0.233	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.141	< 1	< 3
	QUL-79-25M	2014 09 19	6.6	18	< 30	2	0.782	0.485	0.982	< 0.1	0.13	5.81	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.16	< 0.05	0.8	-	0.465	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.162	< 1	< 3
	QUL-79-58M	2014 09 19	10.3	19.9	< 30	2.18	14.8	0.672	1.81	< 0.1	0.3	8.96	< 0.1	< 10	< 0.01	< 0.5	< 0.1	3.09	< 0.05	0.87	-	2.15	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.299	< 1	< 3
	QUL-79-0M	2014 09 22	9.8	16.4	< 30	1.72	0.197	0.429	0.789	< 0.1	< 0.1	4.71	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.61	-	0.231	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.157	< 1	< 3
	QUL-79-30M	2014 09 22	7.8	17.9	< 30	1.95	6.19	0.542	1.3	< 0.1	0.18	6.92	< 0.1	< 10	< 0.01	< 0.5	< 0.1	2.06	< 0.05	0.74	-	1.13	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.222	< 1	< 3
	QUL-79-58M	2014 09 22	6.4	18.2	< 30	1.96	4.95	0.525	1.22	< 0.1	0.14	6.44	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.45	< 0.05	0.73	-	0.898	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.21	< 1	< 3

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Metals																														
			Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bismuth (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Magnesium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Potassium (µg/L)	Selenium (µg/L)	Silicon (µg/L)	Silver (µg/L)	Sodium (µg/L)	Thallium (µg/L)	Tin (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																																	
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.016-0.079[d]	n/a	1 (Cr(+6))	110	6.0-27.9[d]	1,000	27.3-297.3[d]	870	n/a	1001-3582[d]	Methyl mercury analysis in progress	2,000	25-150[d]	373,000-432,000	2	n/a	0.1-3.0[d]	n/a	0.3	n/a	2,000	300	6	33-172.5[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	2-11[d]	n/a	4.4-14.9[d]	14[i]	n/a	791.1-1819[d]		1,000	n/a	n/a	n/a	n/a	0.05-1.5[d]	n/a	n/a	n/a	n/a	n/a	n/a	7.5-147[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	n/a	2	n/a	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	n/a	50	1	n/a	n/a	n/a	10	n/a	n/a	200,000	n/a	n/a	n/a	20	n/a	5,000
QUL-66	QUL-66-0M	2014 09 23	24.2	< 0.1	0.12	5.36	< 0.1	< 0.5	< 10	< 0.01	17,800	< 0.5	< 0.1	1.04	< 30	< 0.05	0.78	1,960	1.34	-	0.282	< 0.5	482	< 0.5	1,490	< 0.01	888	< 0.01	< 0.1	< 10	0.16	< 1	< 3
	QUL-66-15M	2014 09 23	26.1	< 0.1	0.13	5.44	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	1	< 30	< 0.05	0.76	1,890	1.57	-	0.28	< 0.5	463	< 0.5	1,420	< 0.01	866	< 0.01	< 0.1	< 10	0.153	< 1	< 3
	QUL-66-50M	2014 09 23	***2,930***	0.32	1.42	85.5	< 0.1	< 0.5	11	0.016	22,100	**1.35**	0.93	**58.5**	***1,390***	0.974	2.15	3,020	***94.5***	-	5.87	1.47	2,410	< 0.5	8,740	0.02	4,070	0.011	< 0.1	108	0.654	5.2	5.4
QUL-67	QUL-67-34M	2014 08 20	***2,510***	0.21	1.44	60.8	< 0.1	< 0.5	< 10	0.019	22,100	**1.69**	1.29	**59.1**	***1,820***	1.03	1.89	3,320	***143***	-	3.68	1.85	1,690	< 0.5	6,780	0.025	2,900	< 0.01	< 0.1	108	0.56	5.6	6.4
QUL-68	QUL-68-40M	2014 08 21	***4,060***	0.27	1.9	86.9	0.11	< 0.5	< 10	0.024	23,700	**2.51**	1.81	**75.9**	***2,650***	1.55	3.04	3,800	***187***	-	4.67	2.51	2,370	0.57	10,500	0.038	3,540	0.018	0.13	164	0.706	**8.1**	**9.2**
QUL-69	QUL-69-32M	2014 08 21	***1,940***	0.11	0.87	39.4	< 0.1	< 0.5	< 10	0.013	20,400	**1.4**	0.81	**31.1**	***1,290***	0.653	1.91	2,930	***89.1***	-	1.71	1.34	1,270	< 0.5	6,580	0.015	1,880	< 0.01	< 0.1	84	0.362	3.9	4.6
QUL-74	QUL-74-46M	2014 08 21	***2,080***	0.15	1.03	45.7	< 0.1	< 0.5	< 10	0.015	20,500	**1.38**	0.98	**40.3**	***1,480***	0.78	2.13	2,930	***89***	-	2.32	1.51	1,360	< 0.5	6,000	0.018	2,110	< 0.01	< 0.1	90	0.421	4.4	5.4
QUL-75	QUL-75-40M	2014 08 21	***2,570***	0.16	1.16	56.1	< 0.1	< 0.5	< 10	0.021	21,400	**1.56**	1.14	**49.8**	***1,690***	1.01	2.2	3,170	***102***	-	2.92	1.58	1,640	< 0.5	7,160	0.021	2,580	0.011	< 0.1	108	0.504	5.1	7.3
QUL-77	QUL-77	2014 08 22	84.3	< 0.1	0.14	6.08	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	< 0.1	**2.48**	98	< 0.05	0.87	1,900	3.67	-	0.3	0.51	466	< 0.5	1,600	< 0.01	838	< 0.01	< 0.1	< 10	0.146	< 1	< 3
QUL-79	QUL-79-0M	2014 08 25	12.9	< 0.1	0.12	5.35	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.53	< 30	< 0.05	< 0.5	1,920	1.22	-	0.296	< 0.5	469	< 0.5	1,560	< 0.01	829	< 0.01	< 0.1	< 10	0.138	< 1	< 3
	QUL-79-27M	2014 08 25	***246***	< 0.1	0.21	10.2	< 0.1	< 0.5	< 10	< 0.01	18,000	< 0.5	0.11	**5.91**	167	0.119	0.68	2,100	12.4	< 0.05	0.581	< 0.5	573	< 0.5	2,170	< 0.01	1,370	< 0.01	< 0.1	< 10	0.19	< 1	< 3
	QUL-79-79M	2014 08 25	***515***	< 0.1	0.3	16.4	< 0.1	< 0.5	< 10	< 0.01	18,800	< 0.5	0.19	**10.4**	***308***	0.192	0.83	2,240	19.7	< 0.05	0.857	0.59	720	< 0.5	2,810	< 0.01	1,420	< 0.01	< 0.1	20	0.227	1.1	< 3
	QUL-79-0M	2014 08 27	13.3	< 0.1	0.1	5.04	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.51	< 30	< 0.05	0.72	1,920	0.888	< 0.01	0.27	< 0.5	448	< 0.5	1,480	< 0.01	841	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUL-79-55M	2014 08 27	38	< 0.1	0.1	5.74	< 0.1	< 0.5	< 10	**0.024**	18,200	< 0.5	< 0.1	1.06	< 30	< 0.05	0.81	2,080	1.9	< 0.01	0.273	< 0.5	487	< 0.5	1,720	< 0.01	960	< 0.01	< 0.1	< 10	0.168	< 1	< 3
	QUL-79-0M	2014 08 29	13	< 0.1	0.13	5.04	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	1,900	0.898	< 0.01	0.271	< 0.5	454	< 0.5	1,500	< 0.01	821	< 0.01	< 0.1	< 10	0.141	< 1	< 3
	QUL-79-32M	2014 08 29	***348***	< 0.1	0.26	12.2	< 0.1	< 0.5	< 10	< 0.01	18,400	< 0.5	0.14	**6.79**	216	0.137	0.66	2,170	13.9	< 0.01	0.607	0.5	628	< 0.5	2,430	< 0.01	1,110	< 0.01	< 0.1	16	0.196	< 1	< 3
	QUL-79-0M	2014 09 02	15.6	< 0.1	0.12	5.12	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	0.56	< 30	< 0.05	0.77	1,930	0.949	< 0.01	0.29	< 0.5	463	< 0.5	1,460	< 0.01	828	< 0.01	< 0.1	< 10	0.146	< 1	< 3
	QUL-79-30M	2014 09 02	***163***	< 0.1	0.17	8.34	< 0.1	< 0.5	< 10	< 0.01	18,400	< 0.5	< 0.1	**3.74**	106	0.07	1	2,100	7.73	< 0.01	0.45	< 0.5	553	< 0.5	1,990	< 0.01	1,010	< 0.01	< 0.1	< 10	0.179	< 1	< 3
	QUL-79-60M	2014 09 02	79.9	< 0.1	0.15	6.53	< 0.1	< 0.5	< 10	**0.022**	18,600	< 0.5	< 0.1	1.79	47	0.056	0.94	2,100	3.62	< 0.01	0.349	< 0.5	512	< 0.5	1,810	< 0.01	959	< 0.01	< 0.1	< 10	0.178	< 1	< 3
	QUL-79-0M	2014 09 04	18.1	< 0.1	0.12	5.23	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.87	< 30	< 0.05	0.56	1,920	1.67	-	0.332	< 0.5	448	< 0.5	1,520	< 0.01	800	< 0.01	< 0.1	< 10	0.166	< 1	< 3
	QUL-79-8M	2014 09 04	27.5	< 0.1	0.15	6.14	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	< 0.1	1.38	30	< 0.05	0.62	1,900	3.55	-	0.384	< 0.5	480	< 0.5	1,580	< 0.01	879	< 0.01	< 0.1	< 10	0.162	< 1	< 3
	QUL-79-45M	2014 09 04	23.2	< 0.1	0.12	5.38	< 0.1	< 0.5	< 10	< 0.01	18,200	< 0.5	< 0.1	0.94	< 30	< 0.05	0.95	2,060	1.65	-	0.302	< 0.5	478	< 0.5	1,700	< 0.01	894	< 0.01	< 0.1	< 10	0.189	< 1	< 3
	QUL-79-0M	2014 09 06	17.3	< 0.1	0.14	5.23	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	0.71	< 30	< 0.05	0.84	1,880	1.28	-	0.291	< 0.5	474	< 0.5	1,510	< 0.01	817	< 0.01	< 0.1	< 10	0.139	< 1	< 3
	QUL-79-10M	2014 09 06	23.9	< 0.1	0.11	5.1	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	0.86	< 30	< 0.05	0.78	1,870	1.7	-	0.262	< 0.5	458	< 0.5	1,540	< 0.01	813	< 0.01	< 0.1	< 10	0.155	< 1	< 3
	QUL-79-60M	2014 09 06	***878***	0.11	0.48	24.9	< 0.1	< 0.5	< 10	**0.025**	19,400	0.53	0.34	**18.5**	***498***	< 0.35	1.24	2,380	34.5	-	1.59	0.99	977	< 0.5	3,880	< 0.01	1,640	< 0.01	0.35	36	0.294	1.8	< 3
	QUL-79-0M	2014 09 09	39.9	< 0.1	0.13	5.52	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	< 0.1	1.54	38	< 0.05	< 0.5	1,840	2.18	< 0.01	0.297	< 0.5	455	< 0.5	1,480	< 0.01	814	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUL-79-12M	2014 09 09	***203***	< 0.1	0.2	9.78	< 0.1	< 0.5	< 10	< 0.01	17,400	< 0.5	< 0.1	**5.27**	124	0.108	0.54	2,020	10.7	< 0.01	0.595	< 0.5	567	< 0.5	1,960	< 0.01	1,060	< 0.01	< 0.1	10	0.184	< 1	< 3
	QUL-79-43M	2014 09 09	40	< 0.1	0.1	5.43	< 0.1	< 0.5	< 10	< 0.01	17,600	< 0.5	< 0.1	1.23	34	< 0.05	0.54	2,000	2.24	< 0.01	0.302	< 0.5	467	< 0.5	1,670	< 0.01	885	< 0.01	< 0.1	< 10	0.162	< 1	< 3
	QUL-79X-43M	2014 09 09	43.3	< 0.1	0.12	5.49	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	1.53	33	< 0.05	1.03	1,940	2.3	< 0.01	0.292	0.63	457	< 0.5	1,600	< 0.01	855	< 0.01	< 0.1	< 10	0.165	< 1	< 3
QA/QC RPD %			8	*	*	1	*	*	*	*	3	*	*	*	*	*	*	3	*	*	3	*	2	*	4	*	3	*	*	*	2	*	*
	QUL-79-0M	2014 09 11	31	< 0.1	0.14	5.66	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	1.15	< 30	< 0.05	< 0.5	1,910	1.9	-	0.307	< 0.5	473	< 0.5	1,530	< 0.01	860	< 0.01	< 0.1	< 10	0.152	< 1	< 3
	QUL-79-38M	2014 09 11	***122***	< 0.1	0.18	8.48	< 0.1	< 0.5	< 10	< 0.01	17,600	< 0.5	< 0.1	**4.71**	74	0.092	< 0.5	2,030	7.43	-	0.637	< 0.5	530	< 0.5	1,850	< 0.01	1,030	< 0.01	< 0.1	< 10	0.195	< 1	< 3
	QUL-79-50M	2014 09 11	***193***	< 0.1	0.21	10.5	< 0.1	< 0.5	< 10	< 0.01	17,800	< 0.5	< 0.1	**6.68**	107	0.116	< 0.5	2,060	10.9	-	0.797	< 0.5	584	< 0.5	2,020	< 0.01	1,140	< 0.01	< 0.1	< 10	0.213	< 1	< 3
	QUL-79-0M	2014 09 13	18.5	< 0.1	0.1	5	< 0.1	< 0.5	< 10	< 0.01	17,400	< 0.5	< 0.1	0.87	< 30	< 0.05	0.53	1,950	0.952	-	0.275	< 0.5	475	< 0.5	1,470	< 0.01	842	< 0.01	< 0.1	< 10	0.152	< 1	< 3
	QUL-79-14M	2014 09 13	36.8	< 0.1	0.15	6.09	< 0.1	< 0.5	< 10	< 0.01	17,500	< 0.5	< 0.1	1.15	41	< 0.05	0.53	2,100	3.2	-	0.381	< 0.5	507	< 0.5	1,640	< 0.01	938	< 0.01	< 0.1	< 10	0.151	< 1	< 3
	QUL-79-50M	2014 09 13	***2,130***	0.19	0.94	59.2	< 0.1	< 0.5	< 10	0.01	20,900	0.85	0.68	**39.3**	***960***	0.658	1.43	2,740	***57.7***	-	3.81	1.03	1,850	< 0.5	6,480	0.013	2,820	< 0.01	< 0.1	77	0.46	3.7	4
	QUL-79-0M	2014 09 15	13.3	< 0.1	< 0.1	4.75	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	< 0.5	< 30	< 0.05	0.77	1,860	0.536	-	0.257	< 0.5	424	< 0.5	1,390	< 0.01	761	< 0.01	< 0.1	< 10	0.149	< 1	< 3
	QUL-79-26M	2014 09 15	***483***	< 0.1	0.29	17.4	< 0.1	< 0.5	< 10	< 0.01	18,400	< 0.5	0.17	**10.2**	233	0.167	1.14	2,190	15.3	-	1.1	0.55	765	< 0.5	2,960	< 0.01	1,350	< 0.01	< 0.1	19	0.223	< 1	< 3
	QUL-79-50M	2014 09 15	***908***	0.1	0.43	29.5	< 0.1	< 0.5	< 10	< 0.01	19,200	< 0.5	0.27	**16.7**	***410***	0.286	1.28	2,370	25	-	1.79	0.74	1,090	< 0.5	4,340	< 0.01	1,730	< 0.01	< 0.1	33	0.28	1.6	3.3
	QUL-79-0M	2014 09 18	14.3	< 0.1	< 0.1	4.69	< 0.1	< 0.5	< 10	< 0.01	17,500	< 0.5	< 0.1	0.63	< 30	< 0.05	0.8	1,910	0.619	-	0.245	< 0.5	417	< 0.5	1,390	< 0.01	759	< 0.01	< 0.1	< 10	0.154	< 1	< 3
	QUL-79-15M	2014 09 18	74.4	< 0.1	0.14	6.28	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	**2.25**	70	< 0.05	0.8	1,990	2.84	-	0.316	< 0.5	476	< 0.5	1,630	< 0.01	866	< 0.01	< 0.1	< 10	0.16	< 1	< 3
	QUL-79-50M	2014 09 18	***158***	< 0.1	0.17	8.37	< 0.1	< 0.5	< 10	< 0.01	18,500	< 0.5	< 0.1	**3.45**	83	0.066	0.99	2,110	5.57	-	0.532	< 0.5	555	< 0.5	2,000	< 0.01	1,030	< 0.01	< 0.1	< 10	0.183	< 1	< 3
	QUL-79-0M	2014 09 19	< 15	< 0.1	< 0.1	4.66	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	< 0.5	< 30	< 0.05	0.65	1,830	0.559	-	0.252	< 0.5	427	< 0.5	1,370	< 0.01	795	< 0.01	< 0.1	< 10	0.159	< 1	< 3
	QUL-79-25M	2014 09 19	***129***	< 0.1	0.15	7.82	< 0.1	< 0.5	< 10	< 0.01	17,500	< 0.5	< 0.1	**3.13**	72	0.057	0.73	1,980	4.69	-	0.518	< 0.5	527	< 0.5	1,860	< 0.01	1,020	< 0.01	< 0.1	< 10	0.174	< 1	< 3
	QUL-79-58M	2014 09 19	***1,140***	0.13	0.55	33.7	< 0.1	< 0.5	< 10	< 0.01	18,900	0.51	0.35	**21.7**	***495***	0.353	1.3	2,270	33	-	2.28	0.67	1,180	< 0.5	4,200	< 0.01	2,020	< 0.01	< 0.1	38	0.325	1.9	< 3
	QUL-79-0M	2014 09 22	14.5	< 0.1	< 0.1	4.76	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	< 0.5	< 30	< 0.05	0.67	1,740	0.568	-	0.251	< 0.5	436	< 0.5	1,340	< 0.01	802	< 0.01	< 0.1	< 10	0.156	< 1	< 3
	QUL-79-30M	2014 09 22	***452***	< 0.1	0.32	17.8	< 0.1	< 0.5	< 10	< 0.01	18,200	< 0.5	0.13	**9.6**	206	0.163	0.93	2,050	15.2	-	1.23	< 0.5	764	< 0.5	2,660	< 0.01	1,440	< 0.01	< 0.1	16	0.24	< 1	< 3
	QUL-79-58M	2014 09 22	***292***	< 0.1	0.25	13.5	< 0.1	< 0.5	< 10	< 0.01	18,200	< 0.5	< 0.1	**6.86**	126	0.141	0.87	2,020	10.6	-	0.968	< 0.5	661	< 0.5	2,320	< 0.01	1,280	< 0.01	< 0.1	11	0.228	< 1	< 3

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

			Physical Parameters									Total Inorganics												
Sample Location	Sample ID	Sample Date (yyyy mm dd)	Hardness (mg/L)	pH (field) (pH)	pH (pH)	Temperature (field) (C)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)	Total Kjeldahl Nitrogen (N) (mg/L)	Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Bromide (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus[g] (mg/L)
BC Guidelines																								
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	6.5-9.0		Change of 8	n/a	n/a	Change of 25	n/a	n/a	n/a	5,680-18,400[d]	32,800	60-600[d]	32,800[f]	600	988.2-1742[d]	n/a	n/a	n/a	n/a	0.005-0.015
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	+/-1 Degree change from ambient	Change of 2	n/a	n/a	Change of 5	+20% of median background	n/a	n/a	1,090-1,770[d]	3,000	20-200[d]	3,000[f]	150	n/a	128-429[d]	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	6.5-8.5	n/a[j]	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,000	500	n/a	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	6.5-8.5	n/a[j]	n/a[j]	n/a	500	n/a	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a	n/a
QUL-81	QUL-81	2014 08 24	50.3	-	-	-	1.06	-	64	< 3	2.32	-	0.149	< 5	88.2	< 1	-	< 0.5	35	5.79	45.4	-	< 0.001	< 0.002[a]
QUL-82	QUL-82-2M	2014 08 25	49.7	8.11	7.95	18.1	0.33	99.4	70	< 3	2.27	-	0.133	< 5	47.8	< 1	-	< 0.5	34	5.73	44.4	-	0.0213	***0.0254***
	QUL-82-TAP	2014 08 25	49.6	-	7.94	-	0.24	99.5	67	< 3	2.27	-	0.141	< 5	62.1	< 1	-	< 0.5	34	5.78	44.6	-	< 0.001	< 0.002[a]
QUL-83	QUL-83-2M	2014 08 25	49.6	7.94	7.94	18.3	0.25	98.8	65	< 3	2.33	-	0.122	< 5	46.9	< 1	-	< 0.5	34	5.71	44.1	-	< 0.001	< 0.002[a]
QUL-84	QUL-84-1M	2014 08 25	50.2	7.91	7.93	18.3	0.3	98.3	66	< 3	2.2	-	0.126	< 5	47.7	< 1	-	< 0.5	36	5.71	44.2	-	< 0.001	< 0.002[a]
QUL-85	QUL-85-1M	2014 08 25	49.6	7.93	7.96	18.4	0.4	99.3	67	< 3	2.15	-	0.128	< 5	47.4	< 1	-	< 0.5	34	5.76	44.6	-	< 0.001	**0.0023**
QUL-86	QUL-86-1M	2014 08 25	50.4	7.96	7.99	18.5	0.27	99.9	68	< 3	2.02	-	0.121	< 5	47.2	< 1	-	< 0.5	34	5.76	45.3	-	< 0.001	< 0.002[a]
QUL-87	QUL-87-0M	2014 08 25	48.8	8.02	7.98	19.4	0.26	97.3	71	< 3	1.96	-	0.132	< 5	42.6	< 1	-	< 0.5	34	5.69	44.1	-	< 0.001	< 0.002[a]
	QUL-87-13M	2014 08 25	51.2	7.79	7.91	11.5	0.5	103	69	< 3	1.68	-	0.209	< 5	121	< 1	-	< 0.5	35	6.01	46.4	-	0.0221	***0.025***
	QUL-87-55M	2014 08 25	53.6	7.29	7.85	5.1	0.28	107	75	< 3	1.76	-	0.207	< 5	144	1.4	-	< 0.5	36	6.14	48	-	0.0072	***0.0436***
	QUL-87-0M	2014 09 21	51	7.93	7.96	16.5	0.32	102	68	< 3	1.5	-	0.127	< 5	62.8	< 1	-	< 0.5	29	6.05	51.6	-	0.0017	< 0.002[a]
	QUL-87X-0M	2014 09 21	50.7	7.93	7.97	16.5	0.33	101	65	< 3	1.58	-	0.126	< 5	55.9	< 1	-	< 0.5	36	6.08	48.1	-	0.0014	< 0.002[a]
	QA/QC RPD %		< 1	0	< 1	0	*	< 1	5	*	*	-	*	*	12	*	-	*	*	< 1	7	-	*	*
	QUL-87-25M	2014 09 21	53.5	7.49	7.93	5.9	1.76	107	70	< 3	1.68	-	0.193	< 5	145	< 1	-	< 0.5	38	6.59	49.8	-	< 0.001	< 0.002[a]
	QUL-87X-25M	2014 09 21	53.2	7.49	7.94	5.9	1.72	108	70	< 3	1.53	-	0.188	< 5	146	< 1	-	< 0.5	38	6.57	50.3	-	< 0.001	< 0.002[a]
	QA/QC RPD %		< 1	0	< 1	0	2	< 1	0	*	*	-	*	*	< 1	*	-	*	*	< 1	< 1	-	*	*
	QUL-87-53M	2014 09 21	53.4	7.36	7.91	5.3	0.59	107	69	< 3	1.57	-	0.207	< 5	159	< 1	-	< 0.5	37	6.16	49.9	-	< 0.001	**0.0022**
	QUL-87-0M	2014 09 23	51.2	7.99	7.96	15.7	0.29	101	65	< 3	1.86	-	0.109	< 5	54.4	< 1	-	< 0.5	31	6.04	50.3	-	0.0012	< 0.002[a]
	QUL-87-25M	2014 09 23	53.1	7.64	7.93	6.19	1.21	107	68	< 3	1.9	-	0.19	< 5	156	< 1	-	< 0.5	34	6.13	52.2	-	0.0011	**0.0021**
	QUL-87-57M	2014 09 23	53.4	7.44	7.91	5.25	0.53	106	67	< 3	1.91	-	0.21	< 5	141	< 1	-	< 0.5	34	6.33	52.5	-	< 0.001	< 0.002[a]
QUL-88	QUL88-2M	2014 08 26	50.5	7.83	7.98	19.0	0.27	100	62	< 3	2.19	-	0.114	< 5	41	< 1	-	< 0.5	35	5.7	44.6	-	< 0.001	< 0.002[a]
QUL-89	QUL-89-1M	2014 08 27	49.5	8.00	7.9	17.8	0.85	98.2	67	< 3	2.21	-	0.12	< 5	52.8	< 1	-	< 0.5	34	5.79	44.5	-	0.0011	< 0.002[a]
QUL-90	QUL-90	2014 08 27	49.8	***8.54***	8.01	19.0	0.76	99.7	68	< 3	2.21	-	0.133	< 5	40.1	< 1	-	< 0.5	35	5.73	45.1	-	< 0.001	**0.0023**
	QUL-90-TAP	2014 08 27	76.1	-	7.71	-	0.3	148	99	< 3	3.46	-	0.119	8.7	21.2	< 1	-	< 0.5	57	3.9	73.2	-	0.0017	**0.0029**
QUL-91	QUL-91	2014 08 28	49.3	7.96	7.91	18.0	1.33	96.7	65	< 3	2.11	-	0.131	5.2	53.7	< 1	-	< 0.5	34	5.8	46.1	-	< 0.001	< 0.002[a]
QUL-92	QUL-92	2014 08 28	49.8	8.01	7.93	17.9	0.59	97.7	63	< 3	2.13	-	0.143	< 5	52.5	< 1	-	< 0.5	34	5.79	46	-	< 0.001	**0.0021**
QUL-93	QUL-93-TAP	2014 08 28	157	7.71	8.06	8.0	< 0.1	282	168	44.4	1.18	-	0.133	< 5	124	< 1	-	2.87	50	9.94	147	-	< 0.001	**0.0026**
QUL-94	QUL-94	2014 08 28	50.7	8.24	7.96	18.8	0.94	99.2	62	3.4	2.34	-	0.157	< 5	46.6	< 1		< 0.5	35	5.85	47.4		< 0.001	**0.0023**
QUL-95	QUL-95-TAP	2014 09 01	147	-	7.5	-	0.41	261	161	< 3	4.54	-	0.169	< 5	7.6	< 1	-	2.58	48	4.65	133	-	0.0365	***0.036***
	QUL-95-WELL	2014 09 01	125	-	7.44	-	0.78	225	142	< 3	4.45	-	0.191	5.8	< 5	< 1	-	2.05	45	3.97	116	-	0.0226	***0.025***
QUL-96	QUL-96-0M	2014 09 03	49.4	7.93	7.92	17.7	1.65	98	66	< 3	2.08	-	0.122	5.4	42.2	< 1	-	< 0.5	33	5.76	45.4	-	< 0.001	< 0.002[a]
	QUL-96-77M	2014 09 03	69.7	-	8.08	7.25	153	164	115	24.9	2.13	-	0.31	53.4	167	5	-	0.73	97	21.9	61.6	-	0.0039	0.0058
QUL-100	QUL-100-TAP	2014 09 01	177	-	7.54	-	0.14	320	188	< 3	2.28	-	0.114	< 5	61.1	< 1	-	3.16	45	10.4	161	-	0.0032	**0.0032**
	QUL-100-WELL	2014 09 01	184	6.71	7.52	8.44	0.15	328	196	< 3	2.11	-	0.132	< 5	66.5	< 1	-	3.15	44	10.4	163	-	0.006	0.006
QUL-101	QUL-101-3M	2014 09 01	49.9	7.93	7.86	17.89	0.45	97.3	65	< 3	1.95	-	0.12	< 5	43.6	< 1	-	< 0.5	34	5.75	44.9	-	< 0.001	< 0.002[a]
QUL-102	QUL-102-2M	2014 09 04	47.2	7.91	7.93	17.5	0.38	99.7	64	< 3	2.06	-	0.115	< 5	42	< 1	-	< 0.5	33	5.73	46.4	-	< 0.001	< 0.002[a]
QUL-103	QUL-103-1M	2014 09 04	49.1	7.98	7.93	17.84	0.42	99.9	64	< 3	2.12	-	0.117	< 5	39.6	< 1	-	< 0.5	33	5.75	45.8	-	< 0.001	< 0.002[a]
QUL-104	QUL-104	2014 09 10	51.4	7.45	7.87	6.9	1.32	106	64	< 3	2.01	0.095	0.229	< 5	134	< 1	-	< 0.5	33	6.27	49.7	-	< 0.001	< 0.002[a]
QUL-105	QUL-105	2014 09 11	51.9	7.6	7.91	8.7	2.25	108	66	< 3	1.66	-	0.175	5.5	128	< 1	-	< 0.5	37	6.5	52	-	< 0.001	**0.002**
	QUL-105	2014 09 22	48.7	-	7.93	-	0.3	102	67	< 3	1.78	-	0.126	< 5	50.5	< 1	-	< 0.5	34	6.03	48.3	-	< 0.001	< 0.002[a]
	QUL-105X	2014 09 22	48.2	-	7.92	-	0.28	102	66	< 3	1.85	-	0.119	< 5	51.7	< 1	-	< 0.5	34	6.01	48.1	-	< 0.001	< 0.002[a]
	QA/QC RPD %		1	-	< 1	-	*	0	2	*	*	-	*	*	2	*	-	*	*	< 1	< 1	-	*	*
	QUL-105-TAP	2014 09 22	111	-	7.76	-	0.71	252	169	< 3	< 0.5	-	0.285	< 5	292	< 1	-	18.7	59	9.9	92.8	-	< 0.001	< 0.002[a]
QUL-107	QUL-107-2M	2014 09 15	50.1	7.86	7.82	13.9	0.6	99.8	67	< 3	1.92	-	0.136	< 5	67.3	< 1	-	< 0.5	35	6.04	48.6	-	< 0.001	< 0.002[a]
	QUL-107X-2M	2014 09 15	51	7.86	7.88	13.9	0.61	100	89	< 3	2.09	-	0.137	< 5	67.5	< 1	-	< 0.5	35	6.04	48.7	-	< 0.001	**0.002**
	QA/QC RPD %		2	0	< 1	0	2	< 1	28	*	*	-	*	*	< 1	*	-	*	*	0	< 1	-	*	*
QUL-108	QUR-108-1M	2014 09 15	51.5	8.16	7.91	14.9	0.54	101	67	< 3	2.07	-	0.14	< 5	61.3	< 1	-	< 0.5	35	6.01	49.1	-	< 0.001	< 0.002[a]
QUL-109	QUR-109-5M	2014 09 15	51.2	7.97	7.87	14.1	0.58	94.2	70	< 3	1.93	-	0.14	< 5	66.1	< 1	-	< 0.5	35	6.02	48.4	-	< 0.001	**0.0023**
QUL-110	QUL-110	2014 09 20	48.8	-	7.95	-	0.3	101	60	< 3	1.65	-	0.124	< 5	60.9	< 1	-	< 0.5	33	6.09	47.7	-	< 0.001	< 0.002[a]
QUL-111	QUL-111-0.5M	2014 09 19	51.5	7.17	7.98	16.2	0.84	98.7	63	< 3	1.66	-	0.139	< 5	55	< 1	-	< 0.5	33	6	48.4	-	< 0.001	< 0.002[a]

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																										
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																													
BCWQG Aquatic Life (AW)[b,c]			30-100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50-1000[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
QUL-81	QUL-81	2014 08 24	9.5	17	< 30	1.9	0.74	0.458	0.826	< 0.1	0.1	5.44	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.96	< 0.05	0.91	-	0.274	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.141	< 1	< 3
QUL-82	QUL-82-2M	2014 08 25	9	16.7	< 30	1.93	0.499	0.465	1.01	< 0.1	0.11	5.29	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.279	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.131	< 1	< 3
	QUL-82-TAP	2014 08 25	9	16.7	< 30	1.91	0.149	0.45	0.806	< 0.1	0.1	5.29	< 0.1	< 10	< 0.01	< 0.5	< 0.1	17.6	0.085	< 0.5	-	0.273	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.13	< 1	4.4
QUL-83	QUL-83-2M	2014 08 25	9.1	16.7	< 30	1.92	0.368	0.468	0.831	< 0.1	0.11	5.33	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.268	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.125	< 1	< 3
QUL-84	QUL-84-1M	2014 08 25	9.8	16.9	< 30	1.95	0.406	0.467	0.824	< 0.1	< 0.1	5.36	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.51	-	0.269	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.126	< 1	< 3
QUL-85	QUL-85-1M	2014 08 25	8.8	16.7	< 30	1.92	0.416	0.46	0.822	< 0.1	0.13	5.34	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.277	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.136	< 1	< 3
QUL-86	QUL-86-1M	2014 08 25	9.8	17	< 30	1.95	0.467	0.459	0.827	< 0.1	0.16	5.34	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.295	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.14	< 1	< 3
QUL-87	QUL-87-0M	2014 08 25	10.3	16.4	< 30	1.89	0.41	0.465	0.807	< 0.1	< 0.1	5.07	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	0.273	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.13	< 1	< 3
	QUL-87-13M	2014 08 25	8.1	17.3	< 30	1.93	0.271	0.455	1.04	< 0.1	< 0.1	4.98	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.53	< 0.05	0.5	-	0.248	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.143	< 1	< 3
	QUL-87-55M	2014 08 25	5.5	18.1	< 30	2.06	0.142	0.468	0.965	< 0.1	< 0.1	4.91	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.51	< 0.05	< 0.5	-	0.235	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.141	< 1	< 3
	QUL-87-0M	2014 09 21	8.4	17.3	< 30	1.88	0.215	0.442	0.8	< 0.1	< 0.1	4.73	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.77	-	0.249	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.148	< 1	< 3
	QUL-87X-0M	2014 09 21	8.5	17.2	< 30	1.87	0.245	0.43	0.783	< 0.1	< 0.1	4.76	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.72	-	0.229	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.145	< 1	< 3
	QA/QC RPD %		*	< 1	*	< 1	*	3	2	*	*	< 1	*	*	*	*	*	*	*	*	-	*	*	*	*	*	*	2	*	*
	QUL-87-25M	2014 09 21	5.8	18.1	< 30	2.01	0.769	0.481	0.963	< 0.1	0.11	5.45	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.86	< 0.05	0.84	-	0.411	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.16	< 1	< 3
	QUL-87X-25M	2014 09 21	6.1	18	< 30	2	0.801	0.475	0.966	< 0.1	0.11	5.35	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.83	< 0.05	0.84	-	0.397	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.16	< 1	< 3
	QA/QC RPD %		*	< 1	*	< 1	4	1	< 1	*	*	2	*	*	*	*	*	*	*	*	-	4	*	*	*	*	*	0	*	*
	QUL-87-53M	2014 09 21	5.2	18	< 30	2.05	0.218	0.486	0.945	< 0.1	< 0.1	5.13	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.52	< 0.05	0.87	-	0.256	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.143	< 1	< 3
	QUL-87-0M	2014 09 23	8.2	17.4	< 30	1.91	0.193	0.43	0.821	< 0.1	< 0.1	4.78	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.65	-	0.242	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.14	< 1	< 3
	QUL-87-25M	2014 09 23	6.8	17.9	< 30	2.04	0.442	0.473	0.98	< 0.1	0.11	5.38	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.03	< 0.05	0.86	-	0.34	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.154	< 1	< 3
	QUL-87-57M	2014 09 23	5.6	18	< 30	2.07	0.258	0.474	0.969	< 0.1	< 0.1	5.14	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.78	< 0.05	0.72	-	0.27	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
QUL-88	QUL88-2M	2014 08 26	9.6	17	< 30	1.97	0.622	0.459	0.809	< 0.1	0.11	5.01	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5		0.286	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.13	< 1	< 3
QUL-89	QUL-89-1M	2014 08 27	10.3	16.7	< 30	1.91	0.781	0.474	0.871	< 0.1	0.12	5.56	< 0.1	< 10	0.013	< 0.5	< 0.1	1.02	< 0.05	0.5		0.295	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.134	< 1	< 3
QUL-90	QUL-90	2014 08 27	10	16.7	< 30	1.95	3.63	0.431	0.872	< 0.1	0.39	5.46	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.93	< 0.05	0.68		0.289	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.13	< 1	< 3
	QUL-90-TAP	2014 08 27	4.8	22.9	67	4.61	3.43	0.365	2.16	0.16	0.81	4.77	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.85	< 0.05	< 0.5		0.273	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.022	< 1	4.2
QUL-91	QUL-91	2014 08 28	10.3	16.6	< 30	1.93	0.586	0.466	0.836	< 0.1	0.12	5.43	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.86	< 0.05	0.67	-	0.296	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.135	< 1	< 3
QUL-92	QUL-92	2014 08 28	9.9	16.7	< 30	1.95	0.581	0.461	0.831	< 0.1	0.12	5.47	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.82	< 0.05	0.7	-	0.295	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.136	< 1	< 3
QUL-93	QUL-93-TAP	2014 08 28	< 3	43.6	< 30	11.7	1.02	0.539	3.24	0.16	0.83	7.8	< 0.1	< 10	< 0.01	< 0.5	< 0.1	6.6	0.127	0.56	-	0.517	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.16	< 1	25.3
QUL-94	QUL-94	2014 08 28	10.7	17	< 30	1.99	1.42	0.471	0.853	< 0.1	0.15	5.45	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.92	< 0.05	0.67	-	0.31	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.136	< 1	< 3
QUL-95	QUL-95-TAP	2014 09 01	5.6	50.8	32	4.85	25	0.377	2.26	< 0.1	2.87	6.16	< 0.1	15	< 0.01	< 0.5	< 0.1	20.8	2.19	< 0.5	-	0.563	0.67	< 0.5	< 0.01	< 0.01	< 10	0.161	< 1	20.7
	QUL-95-WELL	2014 09 01	7.9	43.4	83	4.12	37.8	0.299	2.08	< 0.1	2.9	4.81	< 0.1	13	< 0.01	< 0.5	0.25	1.38	< 0.05	< 0.5	-	0.453	0.6	< 0.5	< 0.01	< 0.01	< 10	0.075	< 1	< 3
QUL-96	QUL-96-0M	2014 09 03	9.3	16.6	< 30	1.92	0.668	0.474	0.826	< 0.1	0.11	5.54	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.72	< 0.05	0.57	-	0.301	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.131	< 1	< 3
	QUL-96-77M	2014 09 03	17.9	23.6	< 30	2.61	47	1.56	5.68	0.48	1.12	18.7	< 0.1	< 10	< 0.01	< 0.5	< 0.1	7.56	< 0.05	1.18	-	10.7	< 0.5	0.54	< 0.01	< 0.01	< 10	0.838	1.5	< 3
QUL-100	QUL-100-TAP	2014 09 01	< 3	60.7	< 30	6.24	0.75	0.375	3.98	0.13	0.58	8.53	< 0.1	< 10	0.014	< 0.5	< 0.1	24.1	0.362	< 0.5	-	0.732	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.174	< 1	< 3
	QUL-100-WELL	2014 09 01	< 3	63.1	< 30	6.34	1.05	0.524	4.1	0.13	0.69	11.4	< 0.1	< 10	0.017	< 0.5	< 0.1	1.49	< 0.05	< 0.5	-	0.67	< 0.5	< 0.5	< 0.01	< 0.01	10	0.181	< 1	< 3
QUL-101	QUL-101-3M	2014 09 01	9.5	16.8	< 30	1.94	0.401	0.473	0.839	< 0.1	< 0.1	5.33	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.75	< 0.05	0.64	-	0.304	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.133	< 1	< 3
QUL-102	QUL-102-2M	2014 09 04	9.4	15.9	< 30	1.81	0.493	0.447	0.795	< 0.1	0.11	5.24	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.7	< 0.05	0.75	-	0.299	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.151	< 1	< 3
QUL-103	QUL-103-1M	2014 09 04	10.2	16.5	< 30	1.9	0.488	0.46	0.82	< 0.1	0.11	5.46	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.66	< 0.05	0.72	-	0.283	0.52	< 0.5	< 0.01	< 0.01	< 10	0.129	< 1	< 3
QUL-104	QUL-104	2014 09 10	6.4	17.3	< 30	1.98	1.62	0.474	0.942	< 0.1	0.13	5.69	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.95	< 0.05	0.88	-	0.345	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.157	< 1	< 3
QUL-105	QUL-105	2014 09 11	6.8	17.5	< 30	1.99	4.34	0.478	0.958	< 0.1	0.16	5.71	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.18	< 0.05	0.72	-	0.451	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.166	< 1	< 3
	QUL-105	2014 09 22	10.5	16.6	< 30	1.75	0.591	0.437	0.769	< 0.1	0.12	4.78	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.51	< 0.05	0.69	-	0.253	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.144	< 1	< 3
	QUL-105X	2014 09 22	10.3	16.4	< 30	1.74	0.632	0.435	0.773	< 0.1	0.12	4.81	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.52	< 0.05	0.7	-	0.261	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.141	< 1	< 3
	QA/QC RPD %		*	1	*	< 1	7	< 1	< 1	*	*	< 1	*	*	*	*	*	*	*	*	-	3	*	*	*	*	*	2	*	*
	QUL-105-TAP	2014 09 22	< 3	36.9	< 30	4.62	1.03	0.669	5.75	0.1	0.13	6.01	< 0.1	27	< 0.01	< 0.5	< 0.1	5.25	0.09	< 0.5	-	0.172	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.022	< 1	4.3
QUL-107	QUL-107-2M	2014 09 15	8.3	17	< 30	1.87	0.347	0.472	0.83	< 0.1	0.11	5.23	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.64	< 0.05	0.7	-	0.28	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.144	< 1	< 3
	QUL-107X-2M	2014 09 15	8.5	17.3	< 30	1.92	0.395	0.455	0.819	< 0.1	0.11	5.27	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.62	< 0.05	0.67	-	0.29	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.135	< 1	< 3
	QA/QC RPD %		*	2	*	3	13	4	1	*	*	< 1	*	*	*	*	*	*	*	*	-	4	*	*	*	*	*	7	*	*
QUL-108	QUR-108-1M	2014 09 15	8.7	17.4	< 30	1.95	1.17	0.458	0.838	< 0.1	0.11	5.08	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.56	< 0.05	0.68	-	0.265	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.144	< 1	< 3
QUL-109	QUR-109-5M	2014 09 15	8.6	17.3	< 30	1.91	0.283	0.464	0.838	< 0.1	< 0.1	5.18	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.57	< 0.05	0.71	-	0.274	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.14	< 1	< 3
QUL-110	QUL-110	2014 09 20	9.6	16.7	< 30	1.75	0.205	0.428	0.755	< 0.1	0.1	4.58	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.72	-	0.223	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.157	< 1	< 3
QUL-111	QUL-111-0.5M	2014 09 19	9.4	17.5	< 30	1.91	4.52	0.448	0.814	< 0.1	0.31	5.02	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.56	< 0.05	0.75	-	0.261	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.147	< 1	< 3

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Metals																															
			Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bismuth (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Magnesium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Potassium (µg/L)	Selenium (µg/L)	Silicon (µg/L)	Silver (µg/L)	Sodium (µg/L)	Thallium (µg/L)	Tin (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																																		
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.016-0.079[d]	n/a	1 (Cr(+6))	110	6.0-27.9[d]	1,000	27.3-297.3[d]	870	n/a	1001-3582[d]	Methyl mercury analysis in progress	2,000	25-150[d]	373,000-432,000	2	n/a	0.1-3.0[d]	n/a	0.3	n/a	2,000	300	6	33-172.5[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	2-11[d]	n/a	4.4-14.9[d]	14[i]	n/a	791.1-1819[d]		1,000	n/a	n/a	n/a	n/a	0.05-1.5[d]	n/a	n/a	n/a	n/a	n/a	n/a	7.5-147[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	n/a	2	n/a	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	n/a	50	1	n/a	n/a	n/a	10	n/a	n/a	200,000	n/a	n/a	n/a	20	n/a	5,000
QUL-81	QUL-81	2014 08 24	54.6	< 0.1	0.13	6.02	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	**2.19**	48	< 0.05	0.88	1,960	2.56	-	0.297	< 0.5	482	< 0.5	1,690	< 0.01	860	< 0.01	< 0.1	< 10	0.145	< 1	< 3
QUL-82	QUL-82-2M	2014 08 25	17.8	< 0.1	0.13	5.43	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	0.56	< 30	< 0.05	< 0.5	1,890	1.35	-	0.298	< 0.5	468	< 0.5	1,540	< 0.01	864	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUL-82-TAP	2014 08 25	13.8	< 0.1	0.14	5.28	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	**18.7**	< 30	0.127	< 0.5	1,910	0.589	-	0.293	< 0.5	456	< 0.5	1,550	< 0.01	818	< 0.01	< 0.1	< 10	0.137	< 1	5.3
QUL-83	QUL-83-2M	2014 08 25	18.4	< 0.1	0.14	5.43	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	0.61	< 30	< 0.05	< 0.5	1,890	1.26	-	0.292	< 0.5	466	< 0.5	1,540	< 0.01	823	< 0.01	< 0.1	< 10	0.142	< 1	< 3
QUL-84	QUL-84-1M	2014 08 25	15.3	< 0.1	0.15	5.38	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	0.53	< 30	< 0.05	< 0.5	1,900	1.19	-	0.285	< 0.5	466	< 0.5	1,540	< 0.01	823	< 0.01	< 0.1	< 10	0.14	< 1	< 3
QUL-85	QUL-85-1M	2014 08 25	15.2	< 0.1	0.13	5.25	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	1,880	1.15	-	0.292	< 0.5	453	< 0.5	1,510	< 0.01	810	< 0.01	< 0.1	< 10	0.142	< 1	< 3
QUL-86	QUL-86-1M	2014 08 25	14.9	< 0.1	0.19	5.47	< 0.1	< 0.5	< 10	< 0.01	16,800	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	1,940	1.15	-	0.298	< 0.5	462	< 0.5	1,570	< 0.01	826	< 0.01	< 0.1	< 10	0.141	< 1	< 3
QUL-87	QUL-87-0M	2014 08 25	13.1	< 0.1	0.14	5.26	< 0.1	< 0.5	< 10	< 0.01	16,300	< 0.5	< 0.1	0.52	< 30	< 0.05	< 0.5	1,880	1.17	-	0.287	< 0.5	452	< 0.5	1,530	< 0.01	819	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUL-87-13M	2014 08 25	24.6	< 0.1	0.11	5.36	< 0.1	< 0.5	< 10	< 0.01	17,600	< 0.5	< 0.1	0.8	< 30	< 0.05	< 0.5	1,950	1.42	-	0.265	< 0.5	471	< 0.5	1,650	< 0.01	1,180	< 0.01	< 0.1	< 10	0.151	< 1	< 3
	QUL-87-55M	2014 08 25	16.1	< 0.1	0.11	5.19	< 0.1	< 0.5	< 10	< 0.01	18,100	< 0.5	< 0.1	0.6	< 30	< 0.05	0.51	2,080	1.09	-	0.283	< 0.5	475	< 0.5	1,800	< 0.01	1,060	< 0.01	< 0.1	< 10	0.151	< 1	< 3
	QUL-87-0M	2014 09 21	12.9	< 0.1	< 0.1	4.77	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	< 0.5	< 30	< 0.05	0.77	1,830	0.637	-	0.302	< 0.5	438	< 0.5	1,350	< 0.01	818	< 0.01	< 0.1	< 10	0.151	< 1	< 3
	QUL-87X-0M	2014 09 21	14	< 0.1	< 0.1	4.74	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	0.53	< 30	< 0.05	0.68	1,840	0.702	-	0.262	< 0.5	454	< 0.5	1,370	< 0.01	834	< 0.01	< 0.1	< 10	0.155	< 1	< 3
	QA/QC RPD %		*	*	*	< 1	*	*	*	*	1	*	*	*	*	*	*	< 1	*	-	14	*	4	*	2	*	2	*	*	*	3	*	*
	QUL-87-25M	2014 09 21	89.5	< 0.1	0.14	7.05	< 0.1	< 0.5	< 10	< 0.01	17,600	< 0.5	< 0.1	**2.22**	48	< 0.05	0.71	1,980	3.88	-	0.419	< 0.5	526	< 0.5	1,840	< 0.01	1,030	< 0.01	< 0.1	< 10	0.168	< 1	< 3
	QUL-87X-25M	2014 09 21	79.9	< 0.1	0.13	7.03	< 0.1	< 0.5	< 10	< 0.01	17,400	< 0.5	< 0.1	2.12	48	< 0.05	0.82	1,980	3.6	-	0.424	< 0.5	507	< 0.5	1,830	< 0.01	1,000	< 0.01	< 0.1	< 10	0.169	< 1	< 3
	QA/QC RPD %		11	*	*	< 1	*	*	*	*	1	*	*	*	*	*	*	*	0	-	1	*	4	*	< 1	*	3	*	*	*	< 1	*	*
	QUL-87-53M	2014 09 21	28.9	< 0.1	0.13	5.76	< 0.1	< 0.5	< 10	< 0.01	18,000	< 0.5	< 0.1	0.89	< 30	< 0.05	0.85	2,060	1.8	-	0.305	< 0.5	495	< 0.5	1,920	< 0.01	986	< 0.01	< 0.1	< 10	0.15	< 1	< 3
	QUL-87-0M	2014 09 23	13.8	< 0.1	< 0.1	5.05	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	0.59	< 30	< 0.05	0.64	1,920	0.807	-	0.333	< 0.5	438	< 0.5	1,420	< 0.01	846	< 0.01	< 0.1	< 10	0.16	< 1	< 3
	QUL-87-25M	2014 09 23	63.6	< 0.1	0.16	6.58	< 0.1	< 0.5	< 10	< 0.01	17,900	< 0.5	< 0.1	1.95	43	< 0.05	0.71	2,080	3.05	-	0.405	< 0.5	502	< 0.5	1,850	< 0.01	1,010	< 0.01	< 0.1	< 10	0.163	< 1	< 3
	QUL-87-57M	2014 09 23	24.8	< 0.1	0.12	5.57	< 0.1	< 0.5	< 10	< 0.01	18,100	< 0.5	< 0.1	1.03	< 30	< 0.05	0.77	2,110	1.39	-	0.303	< 0.5	478	< 0.5	1,920	< 0.01	981	< 0.01	< 0.1	< 10	0.153	< 1	< 3
QUL-88	QUL88-2M	2014 08 26	16.5	< 0.1	0.13	5.24	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	0.53	< 30	< 0.05	0.52	1,950	1.45	< 0.01	0.308	< 0.5	461	< 0.5	1,560	< 0.01	834	< 0.01	< 0.1	< 10	0.139	< 1	< 3
QUL-89	QUL-89-1M	2014 08 27	36.4	< 0.1	0.13	5.72	< 0.1	< 0.5	< 10	< 0.01	16,000	< 0.5	< 0.1	1.73	31	< 0.05	0.52	1,860	1.99	< 0.01	0.298	< 0.5	457	< 0.5	1,510	< 0.01	849	< 0.01	< 0.1	< 10	0.142	< 1	< 3
QUL-90	QUL-90	2014 08 27	38.4	< 0.1	0.56	5.84	< 0.1	< 0.5	< 10	< 0.01	16,400	< 0.5	< 0.1	1.55	71	< 0.05	0.63	1,950	6.3	< 0.01	0.316	< 0.5	440	< 0.5	1,560	< 0.01	884	< 0.01	< 0.1	< 10	0.134	< 1	< 3
	QUL-90-TAP	2014 08 27	10.4	0.17	0.72	4.86	< 0.1	< 0.5	< 10	< 0.01	22,400	< 0.5	< 0.1	2.23	74	< 0.05	< 0.5	4,580	3.74	< 0.01	0.287	< 0.5	369	< 0.5	4,460	< 0.01	2,220	< 0.01	< 0.1	< 10	0.024	< 1	4.8
QUL-91	QUL-91	2014 08 28	37	< 0.1	0.15	5.85	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	1.43	< 30	< 0.05	0.67	1,940	1.89	< 0.01	0.322	< 0.5	496	< 0.5	1,550	< 0.01	862	< 0.01	< 0.1	< 10	0.144	< 1	< 3
QUL-92	QUL-92	2014 08 28	41.3	< 0.1	0.15	5.93	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	1.44	37	< 0.05	0.7	1,950	2.22	< 0.01	0.341	< 0.5	475	< 0.5	1,570	< 0.01	857	< 0.01	< 0.1	< 10	0.143	< 1	< 3
QUL-93	QUL-93-TAP	2014 08 28	< 3	0.17	0.86	7.75	< 0.1	< 0.5	< 10	< 0.01	43,300	< 0.5	< 0.1	**10.6**	58	0.303	0.5	11,500	2.06	< 0.01	0.543	< 0.5	537	< 0.5	3,340	< 0.01	3,310	< 0.01	< 0.1	< 10	0.154	< 1	39.9
QUL-94	QUL-94	2014 08 28	64.4	< 0.1	0.19	6.1	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	1.59	69	< 0.05	0.72	1,980	3.28	< 0.01	0.331	< 0.5	496	< 0.5	1,620	< 0.01	891	< 0.01	< 0.1	< 10	0.149	< 1	< 3
QUL-95	QUL-95-TAP	2014 09 01	11.5	< 0.1	3.45	6.24	< 0.1	< 0.5	17	< 0.01	50,100	< 0.5	0.11	**22.2**	185	5	< 0.5	4,800	26.1	< 0.01	0.609	0.66	377	< 0.5	6,050	< 0.01	2,280	< 0.01	< 0.1	< 10	0.169	< 1	18.4
	QUL-95-WELL	2014 09 01	18.9	< 0.1	3.56	4.91	< 0.1	< 0.5	15	< 0.01	42,700	< 0.5	0.27	2.34	***301***	0.057	< 0.5	4,080	40.5	< 0.01	0.478	0.63	297	< 0.5	5,970	< 0.01	2,090	< 0.01	< 0.1	< 10	0.079	< 1	< 3
QUL-96	QUL-96-0M	2014 09 03	72.8	< 0.1	0.13	6.46	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	**2.3**	64	< 0.05	0.82	1,970	3.07	< 0.01	0.337	< 0.5	509	< 0.5	1,640	< 0.01	865	< 0.01	< 0.1	< 10	0.144	< 1	< 3
	QUL-96-77M	2014 09 03	***7,300***	0.57	2.76	189	0.16	< 0.5	13	0.02	26,100	**2.39**	2.1	**135**	***2,880***	2.11	3.8	4,120	***140***	0.011	11.2	2.3	5,130	0.61	18,900	0.046	6,890	0.023	0.21	249	0.998	**11.6**	**10.5**
QUL-100	QUL-100-TAP	2014 09 01	< 3	0.14	0.56	8.54	< 0.1	< 0.5	< 10	0.016	59,800	< 0.5	< 0.1	**26.7**	< 30	0.444	< 0.5	6,200	0.821	< 0.01	0.793	< 0.5	376	< 0.5	5,020	< 0.01	4,090	< 0.01	< 0.1	< 10	0.177	< 1	6.1
	QUL-100-WELL	2014 09 01	6.7	0.15	0.66	11.5	< 0.1	< 0.5	< 10	0.018	62,200	< 0.5	< 0.1	1.58	< 30	< 0.05	< 0.5	6,290	1.28	< 0.01	0.75	< 0.5	528	< 0.5	5,200	< 0.01	4,070	< 0.01	< 0.1	10	0.191	< 1	3.4
QUL-101	QUL-101-3M	2014 09 01	20.2	< 0.1	0.13	5.31	< 0.1	< 0.5	< 10	< 0.01	16,600	< 0.5	< 0.1	0.86	< 30	< 0.05	0.75	1,930	1.4	< 0.01	0.317	< 0.5	475	< 0.5	1,500	< 0.01	852	< 0.01	< 0.1	< 10	0.132	< 1	< 3
QUL-102	QUL-102-2M	2014 09 04	22	< 0.1	0.12	5.34	< 0.1	< 0.5	< 10	< 0.01	16,100	< 0.5	< 0.1	1.05	< 30	< 0.05	0.61	1,850	1.48	-	0.321	< 0.5	454	< 0.5	1,480	< 0.01	800	< 0.01	< 0.1	< 10	0.165	< 1	< 3
QUL-103	QUL-103-1M	2014 09 04	24	< 0.1	0.13	5.43	< 0.1	< 0.5	< 10	< 0.01	15,400	< 0.5	< 0.1	1.06	< 30	< 0.05	0.57	1,750	1.53	-	0.302	< 0.5	451	< 0.5	1,420	< 0.01	789	< 0.01	< 0.1	< 10	0.171	< 1	< 3
QUL-104	QUL-104	2014 09 10	82.1	< 0.1	0.15	6.74	< 0.1	< 0.5	< 10	< 0.01	17,500	< 0.5	< 0.1	**2.54**	77	0.053	0.94	2,040	5.11	-	0.372	< 0.5	502	< 0.5	1,800	< 0.01	971	< 0.01	< 0.1	< 10	0.169	< 1	< 3
QUL-105	QUL-105	2014 09 11	92.4	< 0.1	0.18	7.48	< 0.1	< 0.5	< 10	< 0.01	17,800	< 0.5	< 0.1	**3.32**	68	0.066	0.71	2,040	7.85	-	0.52	< 0.5	509	< 0.5	1,830	< 0.01	989	< 0.01	< 0.1	< 10	0.175	< 1	< 3
	QUL-105	2014 09 22	18.1	< 0.1	0.13	4.95	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	0.7	< 30	< 0.05	0.55	1,830	1.28	-	0.288	< 0.5	463	< 0.5	1,420	< 0.01	818	< 0.01	< 0.1	< 10	0.15	< 1	< 3
	QUL-105X	2014 09 22	19.3	< 0.1	0.13	4.88	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	0.68	< 30	< 0.05	0.5	1,760	1.31	-	0.276	< 0.5	454	< 0.5	1,380	< 0.01	806	< 0.01	< 0.1	< 10	0.151	< 1	< 3
	QA/QC RPD %		6	*	*	1	*	*	*	*	4	*	*	*	*	*	*	4	*	-	4	*	2	*	3	*	2	*	*	*	< 1	*	*
	QUL-105-TAP	2014 09 22	< 3	0.14	0.18	6.15	< 0.1	< 0.5	31	< 0.01	37,800	< 0.5	< 0.1	**6**	145	0.245	< 0.5	4,730	2.06	-	0.205	< 0.5	687	< 0.5	5,550	0.011	6,030	< 0.01	< 0.1	< 10	0.027	< 1	5.5
QUL-107	QUL-107-2M	2014 09 15	24.5	< 0.1	0.11	5.61	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	0.98	< 30	< 0.05	0.8	1,920	1.6	-	0.297	< 0.5	468	< 0.5	1,520	< 0.01	855	< 0.01	< 0.1	< 10	0.149	< 1	< 3
	QUL-107X-2M	2014 09 15	26.7	< 0.1	< 0.1	5.09	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	0.88	< 30	< 0.05	0.72	1,870	1.61	-	0.292	< 0.5	419	< 0.5	1,490	< 0.01	762	< 0.01	< 0.1	< 10	0.145	< 1	< 3
	QA/QC RPD %		9	*	*	10	*	*	*	*	3	*	*	*	*	*	*	3	*	-	2	*	11	*	2	*	12	*	*	*	3	*	*
QUL-108	QUR-108-1M	2014 09 15	24.4	< 0.1	0.14	5.33	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	0.87	< 30	< 0.05	0.86	1,860	2.29	-	0.288	< 0.5	452	< 0.5	1,460	< 0.01	847	< 0.01	< 0.1	< 10	0.152	< 1	< 3
QUL-109	QUR-109-5M	2014 09 15	26.4	< 0.1	0.11	5.55	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	0.83	< 30	< 0.05	0.84	1,890	1.47	-	0.286	< 0.5	474	< 0.5	1,510	< 0.01	859	< 0.01	< 0.1	< 10	0.146	< 1	< 3
QUL-110	QUL-110	2014 09 20	14.7	< 0.1	0.1	4.93	< 0.1	< 0.5	< 10	< 0.01	17,400	< 0.5	< 0.1	< 0.5	< 30	< 0.05	0.77	1,820	1.69	-	0.254	< 0.5	446	< 0.5	1,410	< 0.01	799	< 0.01	0.14	< 10	0.164	< 1	< 3
QUL-111	QUL-111-0.5M	2014 09 19	62.7	< 0.1	0.43	5.52	< 0.1	< 0.5	< 10	< 0.01	17,600	< 0.5	< 0.1	1.01	79	0.108	0.88	1,940	7.74	-	0.265	< 0.5	477	< 0.5	1,520	< 0.01	867	< 0.01	< 0.1	< 10	0.162	< 1	< 3

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

			Physical Parameters									Total Inorganics													
Sample Location	Sample ID	Sample Date (yyyy mm dd)	Hardness (mg/L)	pH (field) (pH)	pH (pH)	Temperature (field) (C)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)	Total Kjeldahl Nitrogen (N) (mg/L)	Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Bromide (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus[g] (mg/L)
BC Guidelines																									
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	6.5-9.0		Change of 8	n/a	n/a	Change of 25	n/a	n/a	n/a	5,680-18,400[d]	32,800	60-600[d]	32,800[f]	600	988.2-1742[d]	n/a	n/a	n/a	n/a	0.005-0.015
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	+/-1 Degree change from ambient	Change of 2	n/a	n/a	Change of 5	+20% of median background	n/a	n/a	1,090-1,770[d]	3,000	20-200[d]	3,000[f]	150	n/a	128-429[d]	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	6.5-8.5	n/a[i]	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,000	500	n/a	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	6.5-8.5	n/a[i]	n/a[i]	n/a	500	n/a	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a	n/a
QUL-112	QUL-112-0M	2014 09 20	49.6	8.02	7.93	15	0.3	101	50	< 3	1.7	-	0.124	< 5	60.1	< 1	-	< 0.5	33	6.08	48.3	-	< 0.001	< 0.002[a]
	QUL-112-30M	2014 09 20	51.5	7.58	7.89	4.9	0.22	105	66	< 3	1.53	-	0.182	< 5	147	< 1	-	< 0.5	37	6.21	49.7	-	< 0.001	< 0.002[a]
	QUL-112X-30M	2014 09 20	51	7.58	7.89	4.9	0.24	106	65	< 3	1.77	-	0.183	< 5	147	< 1	-	< 0.5	36	6.21	50.3	-	< 0.001	< 0.002[a]
	QA/QC RPD %		1	0	0	0	*	1	2	*	15	-	1	*	0	*	-	*	*	0	1	-	*	*
	QUL-112-80M	2014 09 20	52.8	7.6	7.91	3.8	0.24	107	69	< 3	1.38	-	0.19	< 5	147	< 1	-	< 0.5	36	6.33	51.1	-	< 0.001	< 0.002[a]
QUL-113	QUL-113-2M	2014 09 20	51	7.99	7.95	14.8	0.44	102	70	< 3	1.69	-	0.138	< 5	56.5	< 1	-	< 0.5	33	6.06	48	-	< 0.001	< 0.002[a]
	QUL-113X-2M	2014 09 20	50.8	7.99	7.95	14.8	0.3	102	63	< 3	1.74	-	0.128	< 5	57.2	< 1	-	< 0.5	33	6.07	48	-	< 0.001	< 0.002[a]
	QA/QC RPD %		< 1	0	0	0	*	0	11	*	*	-	*	*	1	*	-	*	*	< 1	0	-	*	*
QUL-114	QUL-114	2014 09 20	51.6	8.03	7.95	15.4	1.03	103	63	10.9	1.67	-	0.128	< 5	56.7	< 1	-	< 0.5	35	6.06	48.8	-	< 0.001	< 0.002[a]
QUL-115	QUL-115	2014 09 20	53.5	8.15	7.96	15.5	0.46	104	62	< 3	1.62	-	0.133	< 5	54.1	< 1	-	< 0.5	35	6.09	49	-	< 0.001	< 0.002[a]
QUL-116	QUL-116	2014 09 20	51.9	8.18	7.97	15.5	0.39	104	66	< 3	1.6	-	0.125	< 5	53.7	< 1	-	< 0.5	34	6.09	49.6	-	< 0.001	< 0.002[a]
QUL-117	QUL-117	2014 09 20	53.1	8.1	7.87	15.8	1.35	105	63	12.4	1.56	-	0.159	< 5	51.2	< 1	-	< 0.5	34	6.09	49.3	-	< 0.001	< 0.002[a]
QUL-118	QUL-118-TAP	2014 09 20	50.3	-	7.93	-	0.15	102	57	< 3	< 0.5	-	< 0.05	< 5	< 5	< 1	-	3.03	31	2.43	47.7	-	0.0038	**0.0037**
QUL-119	QUL-119-0M	2014 09 21	51.2	7.84	7.97	14.5	0.27	102	62	< 3	1.54	-	0.13	< 5	64.2	< 1	-	< 0.5	34	6.11	48.2	-	< 0.001	< 0.002[a]
	QUL-119-20M	2014 09 21	53.6	7.5	7.94	6.3	1.77	108	65	< 3	1.56	-	0.178	< 5	135	< 1	-	< 0.5	37	6.64	50.2	-	< 0.001	**0.002**
	QUL-119-98M	2014 09 21	54.9	7.45	7.93	3.7	0.2	109	66	< 3	1.43	-	0.179	< 5	148	< 1	-	< 0.5	36	6.31	51.7	-	< 0.001	< 0.002[a]
QUL-120	QUL-120-0M	2014 09 21	51.5	7.99	7.96	15	0.35	101	63	< 3	1.55	-	0.131	< 5	58.1	< 1	-	< 0.5	33	6.05	48.2	-	< 0.001	< 0.002[a]
	QUL-120-35M	2014 09 21	54.3	7.5	7.93	5	2.97	109	68	< 3	1.62	-	0.193	< 5	148	< 1	-	< 0.5	37	6.74	50.2	-	< 0.001	< 0.002[a]
	QUL-120-88M	2014 09 21	54.7	7.49	7.91	4.3	2.1	109	66	< 3	1.42	-	0.19	< 5	150	< 1	-	< 0.5	38	6.68	51.3	-	< 0.001	< 0.002[a]
QUL-121	QUL-121-16M	2014 09 21	51.4	7.24	7.99	13.6	0.85	103	66	3.2	1.93	-	0.144	< 5	84.3	< 1	-	< 0.5	36	6.14	47.8	-	< 0.001	< 0.002[a]
QUL-122	QUL-122-TAP	2014 09 21	176	7.48	8.06	10.8	0.18	316	184	< 3	1.56	-	< 0.05	< 5	< 5	< 1	-	< 0.5	47	7.2	174	-	< 0.001	< 0.002[a]
	QUL-122X-TAP	2014 09 21	176	7.48	8.07	10.8	0.11	317	186	< 3	1.37	-	< 0.05	< 5	< 5	< 1	-	< 0.5	46	7.2	173	-	< 0.001	< 0.002[a]
	QA/QC RPD %		0	0	< 1	0	*	< 1	1	*	*	-	*	*	*	*	-	*	*	0	< 1	-	*	*
QUL-123	QUL-123-TAP	2014 09 21	58.7	7.2	7.85	14.4	0.17	118	73	< 3	< 0.5	-	0.137	< 5	133	< 1	-	< 0.5	42	5.81	57.3	-	< 0.001	< 0.002[a]
QUL-124	QUL-124	2014 09 21	51.1	8.06	7.96	15.3	0.41	102	63	< 3	1.99	-	0.118	< 5	56.4	< 1	-	< 0.5	35	6.07	48.2	-	< 0.001	< 0.002[a]
	QUL-124X	2014 09 21	51.1	8.06	7.96	15.3	0.5	101	61	< 3	1.98	-	0.12	< 5	55.8	< 1	-	< 0.5	34	6.06	47.8	-	< 0.001	< 0.002[a]
	QA/QC RPD %		0	0	0	0	*	< 1	3	*	*	-	*	*	1	*	-	*	*	< 1	< 1	-	*	*
QUL-125	QUL-125-TAP	2014 09 22	245	7.44	8.12	10.89	< 0.1	435	248	< 3	0.99	-	0.663	< 5	693	< 1	-	1.26	79	7.84	242	-	0.005	0.007
QUL-126	QUL-126-TAP	2014 09 22	64	7.3	7.85	12.45	0.72	167	106	< 3	0.57	-	0.085	< 5	93.8	< 1	-	2.95	40	6.84	78.1	-	< 0.001	< 0.002[a]
QUL-127	QUL-127-TAP	2014 09 22	105	7.58	8.02	11.49	0.16	252	143	< 3	< 0.5	-	0.182	< 5	188	< 1	-	9.84	40	7.52	115	-	< 0.001	< 0.002[a]
QUL-128	QUL-128-TAP	2014 09 22	276	7.43	8.09	12.21	0.16	563	350	< 3	0.76	-	2.47	< 5	2,720	< 1	-	19.6	37	30.6	253	-	< 0.001	< 0.002[a]
QUL-129	QUL-129-TAP	2014 09 22	67.4	7.38	7.92	12.96	0.52	144	94	< 3	< 0.5	-	0.16	< 5	173	< 1	-	1.88	40	7.23	66.4	-	< 0.001	< 0.002[a]

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

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* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

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BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.
[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.
[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.
[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride
[e] Health Canada Drinking Water Guidelines, 2012.
[f] Guideline for Nitrate applied.
[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.
[h] Calculated based on an individual sample basis, not average of 30 day results.
[i] Secondary chronic or chronic value, not 30 day mean.
[j] Guideline not applicable for site situation.

TABLE 1a: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																												
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																															
BCWQG Aquatic Life (AW)[b,c]			30-100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50-1000[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
QUL-112	QUL-112-0M	2014 09 20	8.4	16.9	< 30	1.77	0.202	0.427	0.758	< 0.1	< 0.1	4.67	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.71	-	0.224	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.146	< 1	< 3
	QUL-112-30M	2014 09 20	4.8	17.5	< 30	1.89	0.089	0.442	0.832	< 0.1	< 0.1	4.9	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.84	-	0.239	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.155	< 1	< 3
	QUL-112X-30M	2014 09 20	5.9	17.3	< 30	1.88	0.102	0.459	0.841	< 0.1	< 0.1	4.94	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.89	-	0.238	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.151	< 1	< 3
	QA/QC RPD %		21	1	*	1	*	4	1	*	*	1	*	*	*	*	*	*	*	6	-	0	*	*	*	*	*	3	*	*
	QUL-112-80M	2014 09 20	3.9	18	< 30	1.93	0.097	0.447	0.853	< 0.1	< 0.1	4.87	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.86	-	0.229	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.157	< 1	< 3
QUL-113	QUL-113-2M	2014 09 20	9	17.3	< 30	1.88	0.374	0.422	0.776	< 0.1	< 0.1	4.67	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.81	-	0.237	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.146	< 1	< 3
	QUL-113X-2M	2014 09 20	8.3	17.3	< 30	1.87	0.376	0.433	0.772	< 0.1	0.1	4.74	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.74	-	0.241	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.146	< 1	< 3
	QA/QC RPD %		*	0	*	< 1	< 1	3	< 1	*	*	2	*	*	*	*	*	*	*	*	-	*	*	*	*	*	*	0	*	*
QUL-114	QUL-114	2014 09 20	8.7	17.5	< 30	1.91	0.57	0.435	0.784	< 0.1	< 0.1	4.69	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.71	-	0.223	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.148	< 1	< 3
QUL-115	QUL-115	2014 09 20	8.4	18.1	< 30	2.02	0.595	0.443	0.808	< 0.1	0.13	4.74	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.76	-	0.27	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.157	< 1	< 3
QUL-116	QUL-116	2014 09 20	8.3	17.6	< 30	1.96	0.653	0.441	0.794	< 0.1	0.19	4.81	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.8	-	0.249	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.154	< 1	< 3
QUL-117	QUL-117	2014 09 20	8.6	18	< 30	2.02	0.869	0.44	0.791	< 0.1	0.14	4.65	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.76	-	0.25	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.155	< 1	< 3
QUL-118	QUL-118-TAP	2014 09 20	4.3	17	< 30	1.87	1.41	0.425	0.79	< 0.1	0.48	44.7	< 0.1	< 10	< 0.01	< 0.5	0.11	15.3	0.723	0.86	-	0.499	2.43	< 0.5	< 0.01	< 0.01	< 10	0.024	< 1	5.7
QUL-119	QUL-119-0M	2014 09 21	9.1	17.4	< 30	1.87	0.133	0.431	0.781	< 0.1	< 0.1	4.65	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.76	-	0.213	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.14	< 1	< 3
	QUL-119-20M	2014 09 21	6.3	18.1	< 30	2.02	0.46	0.498	0.978	< 0.1	0.11	5.54	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.04	< 0.05	0.87	-	0.43	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.164	< 1	< 3
	QUL-119-98M	2014 09 21	3.7	18.6	< 30	2.06	0.127	0.462	0.899	< 0.1	< 0.1	4.83	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.79	-	0.249	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.15	< 1	< 3
QUL-120	QUL-120-0M	2014 09 21	9.2	17.5	< 30	1.9	0.208	0.437	0.799	< 0.1	< 0.1	4.76	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.72	-	0.23	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.143	< 1	< 3
	QUL-120-35M	2014 09 21	5.9	18.4	< 30	2.05	1.78	0.491	1.02	< 0.1	0.11	5.8	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.15	< 0.05	0.87	-	0.487	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.169	< 1	< 3
	QUL-120-88M	2014 09 21	5.1	18.5	< 30	2.04	1.39	0.493	1.03	< 0.1	0.11	5.71	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.09	< 0.05	0.8	-	0.459	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.168	< 1	< 3
QUL-121	QUL-121-16M	2014 09 21	8	17.4	< 30	1.93	0.148	0.459	0.848	< 0.1	0.13	5.15	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.77	< 0.05	1.03	-	0.321	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.151	< 1	< 3
QUL-122	QUL-122-TAP	2014 09 21	< 3	56	< 30	8.75	< 0.05	0.576	3.4	0.12	0.15	5.98	< 0.1	15	< 0.01	< 0.5	< 0.1	7.46	0.2	0.63	-	0.385	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.131	< 1	< 3
	QUL-122X-TAP	2014 09 21	< 3	55.9	< 30	8.82	< 0.05	0.576	3.46	0.12	0.14	6.03	< 0.1	15	< 0.01	< 0.5	< 0.1	6.95	0.192	0.71	-	0.381	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.128	< 1	< 3
	QA/QC RPD %		*	< 1	*	< 1	*	0	2	*	*	< 1	*	*	*	*	*	7	*	*	-	1	*	*	*	*	*	2	*	*
QUL-123	QUL-123-TAP	2014 09 21	< 3	19.7	< 30	2.31	0.413	0.545	1.36	< 0.1	0.24	4.51	< 0.1	< 10	< 0.01	< 0.5	< 0.1	2.61	0.094	< 0.5	-	0.292	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.058	< 1	< 3
QUL-124	QUL-124	2014 09 21	9.4	17.4	< 30	1.88	0.25	0.442	0.789	< 0.1	< 0.1	4.75	< 0.1	< 10	< 0.01	< 0.5	< 0.1	0.51	< 0.05	0.7	-	0.221	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.141	< 1	< 3
	QUL-124X	2014 09 21	9	17.4	< 30	1.88	0.249	0.434	0.786	< 0.1	< 0.1	4.75	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	0.73	-	0.224	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.144	< 1	< 3
	QA/QC RPD %		*	0	*	0	*	2	< 1	*	*	0	*	*	*	*	*	*	*	*	-	*	*	*	*	*	*	2	*	*
QUL-125	QUL-125-TAP	2014 09 22	< 3	77.7	< 30	12.5	0.071	1.18	3.77	0.19	0.76	11.4	< 0.1	37	0.022	1.22	< 0.1	14.7	0.284	2.33	-	1.64	< 0.5	5.79	< 0.01	< 0.01	12	0.991	< 1	13.8
QUL-126	QUL-126-TAP	2014 09 22	< 3	21.9	< 30	2.27	0.818	1.16	8.92	< 0.1	0.16	3.08	< 0.1	< 10	< 0.01	< 0.5	< 0.1	5.28	0.363	< 0.5	-	0.31	0.65	< 0.5	< 0.01	< 0.01	< 10	0.027	< 1	37.7
QUL-127	QUL-127-TAP	2014 09 22	< 3	36.9	< 30	3.15	0.143	1.09	12.3	0.12	0.75	3.84	< 0.1	< 10	< 0.01	< 0.5	< 0.1	1.26	0.303	< 0.5	-	0.253	5.12	< 0.5	< 0.01	< 0.01	< 10	0.05	< 1	14.4
QUL-128	QUL-128-TAP	2014 09 22	< 3	90.1	< 30	12.4	0.644	1.13	15.7	0.16	0.63	2.25	< 0.1	62	< 0.01	< 0.5	0.16	4.72	0.157	2.21	-	0.374	< 0.5	2.18	< 0.01	< 0.01	13	0.295	< 1	4.2
QUL-129	QUL-129-TAP	2014 09 22	< 3	22.9	< 30	2.51	1.01	0.617	1.7	< 0.1	0.36	5.33	< 0.1	< 10	< 0.01	< 0.5	< 0.1	6.16	0.196	0.85	-	0.312	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.091	< 1	14.4

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BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

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[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

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BC Guidelines																																
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.016-0.079[d]	n/a	1 (Cr(+6))	110	6.0-27.9[d]	1,000	27.3-297.3[d]	870	n/a	1001-3582[d]	Methyl mercury analysis in progress	2,000	25-150[d]	373,000-432,000	2	n/a	0.1-3.0[d]	n/a	0.3	n/a	2,000	300	6	33-172.5[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	2-11[d]	n/a	4.4-14.9[d]	14[i]	n/a	791.1-1819[d]		1,000	n/a	n/a	n/a	n/a	0.05-1.5[d]	n/a	n/a	n/a	n/a	n/a	n/a	7.5-147[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	n/a	2	n/a	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	n/a	50	1	n/a	n/a	n/a	10	n/a	n/a	200,000	n/a	n/a	n/a	20	n/a	5,000
QUL-112	QUL-112-0M	2014 09 20	16.5	< 0.1	< 0.1	4.74	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	< 0.5	< 30	< 0.05	0.82	1,760	0.567	-	0.252	< 0.5	428	< 0.5	1,340	< 0.01	766	< 0.01	< 0.1	< 10	0.161	< 1	< 3
	QUL-112-30M	2014 09 20	12.2	< 0.1	< 0.1	5.04	< 0.1	< 0.5	< 10	< 0.01	17,200	< 0.5	< 0.1	0.63	< 30	< 0.05	0.79	1,860	0.634	-	0.264	< 0.5	457	< 0.5	1,590	< 0.01	863	< 0.01	< 0.1	< 10	0.154	< 1	< 3
	QUL-112X-30M	2014 09 20	11.4	< 0.1	< 0.1	5.14	< 0.1	< 0.5	< 10	< 0.01	17,300	< 0.5	< 0.1	0.65	< 30	< 0.05	0.8	1,880	0.681	-	0.267	< 0.5	455	< 0.5	1,590	< 0.01	875	< 0.01	< 0.1	< 10	0.158	< 1	< 3
	QA/QC RPD %		7	*	*	2	*	*	*	*	1	*	*	3	*	*	1	1	*	-	1	*	0	*	0	*	1	*	*	*	3	*	*
	QUL-112-80M	2014 09 20	16.6	< 0.1	< 0.1	5.14	< 0.1	< 0.5	< 10	< 0.01	17,700	< 0.5	< 0.1	0.55	< 30	< 0.05	0.89	1,910	0.543	-	0.267	< 0.5	461	< 0.5	1,610	0.013	888	< 0.01	< 0.1	< 10	0.163	< 1	< 3
QUL-113	QUL-113-2M	2014 09 20	< 18	< 0.1	0.11	4.93	< 0.1	< 0.5	< 10	< 0.01	17,600	< 0.5	< 0.1	0.58	< 30	< 0.05	0.87	1,930	1	-	0.256	< 0.5	462	< 0.5	1,460	< 0.01	853	< 0.01	< 0.1	< 10	0.163	< 1	< 3
	QUL-113X-2M	2014 09 20	< 15	< 0.1	0.1	4.78	< 0.1	< 0.5	< 10	< 0.01	16,500	< 0.5	< 0.1	0.53	< 30	< 0.05	0.71	1,800	0.842	-	0.246	< 0.5	423	< 0.5	1,360	< 0.01	784	< 0.01	< 0.1	< 10	0.151	< 1	< 3
	QA/QC RPD %		*	*	*	3	*	*	*	*	7	*	*	*	*	*	*	7	*	-	*	*	9	*	7	*	8	*	*	*	8	*	*
QUL-114	QUL-114	2014 09 20	91.1	< 0.1	0.14	5.83	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	0.93	117	0.074	0.75	1,900	4.31	-	0.266	< 0.5	445	< 0.5	1,500	< 0.01	808	< 0.01	< 0.1	< 10	0.171	< 1	< 3
QUL-115	QUL-115	2014 09 20	< 18	< 0.1	0.13	4.9	< 0.1	< 0.5	< 10	< 0.01	17,900	< 0.5	< 0.1	0.52	< 30	< 0.05	0.76	2,010	1.3	-	0.278	< 0.5	461	< 0.5	1,490	< 0.01	845	< 0.01	< 0.1	< 10	0.167	< 1	< 3
QUL-116	QUL-116	2014 09 20	< 21	< 0.1	0.21	5.11	< 0.1	< 0.5	< 10	< 0.01	18,200	< 0.5	< 0.1	0.62	31	< 0.05	0.71	2,020	1.78	-	0.279	< 0.5	464	< 0.5	1,510	< 0.01	866	< 0.01	< 0.1	< 10	0.172	< 1	< 3
QUL-117	QUL-117	2014 09 20	***193***	< 0.1	0.38	6.14	< 0.1	< 0.5	< 10	0.011	17,400	0.77	0.16	1.11	***313***	0.117	0.92	2,050	11	-	0.296	0.83	478	< 0.5	1,790	< 0.01	835	< 0.01	< 0.1	12	0.179	< 1	< 3
QUL-118	QUL-118-TAP	2014 09 20	< 15	< 0.1	0.44	52.2	< 0.1	< 0.5	< 10	< 0.01	16,200	< 0.5	0.14	**16.1**	< 30	0.789	0.86	1,810	2.19	-	0.488	3	406	< 0.5	1,720	< 0.01	790	< 0.01	< 0.1	< 10	0.022	< 1	6.7
QUL-119	QUL-119-0M	2014 09 21	15	< 0.1	< 0.1	4.63	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	0.51	< 30	< 0.05	0.76	1,820	0.599	-	0.244	< 0.5	434	< 0.5	1,360	< 0.01	811	< 0.01	< 0.1	< 10	0.151	< 1	< 3
	QUL-119-20M	2014 09 21	90.2	< 0.1	0.13	7.51	< 0.1	< 0.5	< 10	< 0.01	17,900	< 0.5	< 0.1	**2.39**	47	< 0.05	0.84	2,010	3.97	-	0.479	< 0.5	527	< 0.5	1,840	< 0.01	1,030	< 0.01	< 0.1	< 10	0.174	< 1	< 3
	QUL-119-98M	2014 09 21	10.6	< 0.1	< 0.1	4.94	< 0.1	< 0.5	< 10	< 0.01	18,000	< 0.5	< 0.1	0.55	< 30	< 0.05	0.89	1,990	0.631	-	0.274	< 0.5	471	< 0.5	1,640	< 0.01	935	< 0.01	< 0.1	< 10	0.16	< 1	< 3
QUL-120	QUL-120-0M	2014 09 21	14	< 0.1	0.1	4.85	< 0.1	< 0.5	< 10	< 0.01	16,900	< 0.5	< 0.1	< 0.5	< 30	< 0.05	0.62	1,850	0.757	-	0.246	< 0.5	451	< 0.5	1,370	< 0.01	838	< 0.01	< 0.1	< 10	0.155	< 1	< 3
	QUL-120-35M	2014 09 21	***143***	< 0.1	0.18	8.62	< 0.1	< 0.5	< 10	< 0.01	17,800	< 0.5	< 0.1	**3.74**	66	0.051	0.84	2,020	5.91	-	0.535	< 0.5	566	< 0.5	1,960	< 0.01	1,070	< 0.01	< 0.1	< 10	0.182	< 1	< 3
	QUL-120-88M	2014 09 21	***148***	< 0.1	0.16	8.56	< 0.1	< 0.5	< 10	< 0.01	18,400	< 0.5	< 0.1	**3.56**	73	0.054	0.85	2,090	5.64	-	0.517	< 0.5	548	< 0.5	2,020	< 0.01	1,070	< 0.01	< 0.1	< 10	0.185	< 1	< 3
QUL-121	QUL-121-16M	2014 09 21	43	< 0.1	0.14	5.85	< 0.1	< 0.5	< 10	< 0.01	17,100	< 0.5	< 0.1	1.43	37	< 0.05	0.97	1,930	2.19	-	0.333	< 0.5	488	< 0.5	1,590	< 0.01	888	< 0.01	< 0.1	< 10	0.159	< 1	< 3
QUL-122	QUL-122-TAP	2014 09 21	< 3	0.16	0.15	5.92	< 0.1	< 0.5	17	< 0.01	52,800	< 0.5	< 0.1	**8.55**	< 30	0.225	0.61	8,350	< 0.05	-	0.412	< 0.5	559	< 0.5	4,360	< 0.01	3,410	< 0.01	< 0.1	< 10	0.142	< 1	< 3
	QUL-122X-TAP	2014 09 21	< 3	0.16	0.14	5.88	< 0.1	< 0.5	17	< 0.01	53,100	< 0.5	< 0.1	**8.82**	< 30	0.221	0.64	8,460	0.071	-	0.399	< 0.5	565	< 0.5	4,430	< 0.01	3,470	< 0.01	< 0.1	< 10	0.134	< 1	< 3
	QA/QC RPD %		*	*	*	< 1	*	*	*	*	< 1	*	*	3	*	*	*	1	*	-	3	*	1	*	2	*	2	*	*	*	6	*	*
QUL-123	QUL-123-TAP	2014 09 21	< 3	< 0.1	0.23	4.72	< 0.1	< 0.5	< 10	< 0.01	19,600	< 0.5	< 0.1	**2.73**	< 30	0.106	< 0.5	2,320	0.519	-	0.328	< 0.5	543	< 0.5	3,130	< 0.01	1,430	< 0.01	< 0.1	< 10	0.066	< 1	4.1
QUL-124	QUL-124	2014 09 21	16.6	< 0.1	< 0.1	4.71	< 0.1	< 0.5	< 10	< 0.01	16,700	< 0.5	< 0.1	0.69	< 30	< 0.05	0.76	1,820	0.842	-	0.248	< 0.5	439	< 0.5	1,380	< 0.01	798	< 0.01	< 0.1	< 10	0.14	< 1	< 3
	QUL-124X	2014 09 21	16.8	< 0.1	< 0.1	4.83	< 0.1	< 0.5	< 10	< 0.01	17,000	< 0.5	< 0.1	0.71	< 30	< 0.05	0.83	1,860	0.876	-	0.263	< 0.5	451	< 0.5	1,400	< 0.01	816	< 0.01	< 0.1	< 10	0.154	< 1	< 3
	QA/QC RPD %		1	*	*	3	*	*	*	*	2	*	*	*	*	*	*	2	4	-	*	*	3	*	1	*	2	*	*	*	10	*	*
QUL-125	QUL-125-TAP	2014 09 22	< 3	0.25	0.72	11.4	< 0.1	< 0.5	38	0.023	76,600	**1.28**	< 0.1	6.58	< 30	0.186	1.96	12,300	0.117	-	1.79	< 0.5	1,170	**5.11**	6,230	< 0.01	3,810	< 0.01	< 0.1	12	1.03	< 1	11.3
QUL-126	QUL-126-TAP	2014 09 22	< 3	< 0.1	0.21	3.28	< 0.1	< 0.5	< 10	< 0.01	22,200	< 0.5	< 0.1	**6.46**	126	0.601	< 0.5	2,320	0.767	-	0.343	0.69	1,190	< 0.5	3,140	< 0.01	9,270	< 0.01	< 0.1	< 10	0.034	< 1	**38**
QUL-127	QUL-127-TAP	2014 09 22	< 3	0.13	0.69	3.88	< 0.1	< 0.5	< 10	< 0.01	36,700	< 0.5	< 0.1	3.29	< 30	0.341	< 0.5	3,180	0.158	-	0.28	2.85	1,100	< 0.5	3,480	< 0.01	12,800	< 0.01	< 0.1	< 10	0.057	< 1	10.7
QUL-128	QUL-128-TAP	2014 09 22	< 3	0.19	0.68	2.31	< 0.1	< 0.5	67	< 0.01	91,300	< 0.5	0.14	5.3	< 30	0.185	2.05	12,800	0.627	-	0.45	< 0.5	1,160	1.97	4,810	< 0.01	16,800	< 0.01	< 0.1	14	0.325	< 1	4.6
QUL-129	QUL-129-TAP	2014 09 22	< 3	< 0.1	0.41	5.65	< 0.1	< 0.5	< 10	< 0.01	23,900	< 0.5	< 0.1	**9.06**	59	0.357	0.74	2,640	1.16	-	0.34	< 0.5	642	< 0.5	2,410	< 0.01	1,780	< 0.01	< 0.1	< 10	0.095	< 1	**14.5**

Associated ALS files: L1498519, L1498533, L1499166, L1499203, L1499703, L1499707, L1499710, L1499926, L1499947, L1500619, L1501501, L1501518, L1502349, L1502364, L1502370, L1502388, L1503057, L1503061, L1503079, L1503910, L1503913, L1503928, L1503932, L1503933, L1503934, L1504180, L1504213, L1504220, L1504251, L1504261, L1504997, L1505918, L1506551, L1506571, L1506577, L1506586, L1500164, L1502370, L1506989, L1506996, L1507001, L1507291, L1507298, L1506992, L1507259, L1507347, L1507948, L1507972, L1507977, L1508637, L1508673, L1509507, L1508649, L1509597, L1510231, L1510268, L1510289, L1510741, L1510746, L1511190, L1511225, L1511232, L1511817, L1511758, L1511787, L1511850, L1511886, L1511905, L1512681, L1512726, L1513326, L1513353, L1513820, L1513828, L1514716, L1514724, L1514735, L1514765, L1507963, L1514731, L1514737, L1515541, L1515553, L1515572, L1518945, L1516292, L1516846, L1516856, L1517429, L1517430, L1517431, L1517432, L1518138, L1518251, L1518254, L1518260, L1518267, L1518976, L1519008, L1519837, L1519791, L1520433, L1520459, L1520931, L1516324, L1520926, L1521734, L1521742, L1521748, L1521763, L1521780, L1521826, L1521830, L1521840, L1521847, L1522018, L1522623, L1522658, L1522671, L1523553, L1523562.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1b: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water (BLANKS) DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical Parameters							Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus[g] (mg/L)
			Hardness (mg/L)	pH (pH)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)											
BC Guidelines																				
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	Change of 8	n/a	n/a	Change of 25	n/a	n/a	5,680-18,400[d]	32,800	60-600[d]	32,800[f]	600	988.2-1742[d]	n/a	n/a	n/a	0.005-0.015
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	Change of 2	n/a	n/a	Change of 5	+20% of median background	n/a	1,090-1,770[d]	3,000	20-200[d]	3,000[f]	150	n/a	128-429[d]	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,000	500	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	n/a[i]	n/a	500	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a
QUL-EQUIPMENT BLANK	QUL-EQUIPMENT BLANK	2014 08 12	< 0.5	***5.51***	< 0.1	< 2	< 10	< 3	< 0.5	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002
	QUL-EQUIPMENT BLANK	2014 08 14	< 0.5	-	< 0.1	-	< 10	< 3	< 0.5	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002
	QUL-EQUIPMENT BLANK	2014 08 15	< 0.5	-	< 0.1	-	< 10	< 3	< 0.5	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002
	QUL-EQUIPMENT BLANK	2014 08 16	< 0.5	-	< 0.1	-	< 10	< 3	< 0.5	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	EQUIPMENT BLANK	2014 08 19	< 0.5	***5.85***	0.26	< 2	< 10	< 3	< 0.5	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	QUL-EQUIPMENTBLANK	2014 08 19	< 0.5	***5.42***	< 0.1	< 2	< 10	< 3	< 0.5	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	EQUIPMENT BLANK	2014 08 21	< 0.5	***6.13***	< 0.1	< 2	< 10	< 3	< 0.5	< 0.05	< 5	< 5	< 1		< 0.5	< 20	< 0.5	< 1	< 0.001	***0.0223***
	DI-BLANK	2014 08 28	< 0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
	FILTER-BLANK	2014 08 28	< 0.5	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
	KEM1B	2014 08 28	< 0.5	***5.49***	0.15	< 2	< 10	< 3	< 0.5	< 0.05	< 5	< 5	< 1		< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	DI-BLANK	2014 09 01	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	FILTER-BLANK	2014 09 01	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	KEM1B	2014 09 01	< 0.5	***5.52***	< 0.1	< 2	< 10	< 3	< 0.5	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	KEM1B	2014 09 06	< 0.5	***5.42***	0.11	< 2	< 10	< 3	< 0.5	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	DI-BLANK	2014 09 08	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	FILTER-BLANK	2014 09 08	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	KEMIB	2014 09 09	< 0.5	***5.48***	0.42	< 2	< 10	< 3	< 0.5	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	KEM1B	2014 09 14	< 0.5	***5.68***	< 0.1	< 2	< 10	< 3	< 0.5	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	VAN-1-BLANK-149015	2014 09 15	< 0.5	***5.7***	< 0.1	< 2	< 10	< 3	< 0.5	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	DI-BLANK	2014 09 15	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	FILTER-BLANK	2014 09 15	< 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	KEM1B	2014 09 15	< 0.5	***5.41***	0.16	< 2	< 10	< 3	0.66	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	I-SC1	2014 09 21	-	6.56	0.11	3.1	-	< 3	-	-	-	< 5	< 1	-	< 0.5	< 20	< 0.5	-	-	-
	KEM1B	2014 09 22	< 0.5	***5.92***	0.15	< 2	< 10	< 3	< 0.5	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
QUL-TRIP BLANK	TRIP-BLANK	2014 09 01	< 0.5	-	< 0.1	-	< 10	< 3	-	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002

TABLE 1b: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water (BLANKS) DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																										
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																													
BCWQG Aquatic Life (AW)[b,c]			30-100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50-1000[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
QUL-EQUIPMENT BLANK	QUL-EQUIPMENT BLANK	2014 08 12	< 3	< 0.05	< 30	< 0.1	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	< 0.05	< 0.5	< 0.5	< 0.01	< 0.01	< 10	< 0.01	< 1	< 3
	QUL-EQUIPMENT BLANK	2014 08 14	< 3	< 0.05	< 30	< 0.1	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	< 0.05	< 0.5	< 0.5	< 0.01	< 0.01	< 10	< 0.01	< 1	< 3
	QUL-EQUIPMENT BLANK	2014 08 15	< 3	< 0.05	< 30	< 0.1	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	< 0.05	< 0.5	< 0.5	< 0.01	< 0.01	< 10	< 0.01	< 1	< 3
	QUL-EQUIPMENT BLANK	2014 08 16	< 3	< 0.05	< 30	< 0.1	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	< 0.05	< 0.5	< 0.5	< 0.01	< 0.01	< 10	< 0.01	< 1	< 3
	EQUIPMENT BLANK	2014 08 19	< 3	0.129	< 30	< 0.1	0.449	< 0.05	< 0.05	< 0.1	< 0.1	0.114	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	< 0.05	< 0.5	< 0.5	< 0.01	< 0.01	< 10	< 0.01	< 1	< 3
	QUL-EQUIPMENTBLANK	2014 08 19	< 3	< 0.05	< 30	< 0.1	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	< 0.05	< 0.5	< 0.5	< 0.01	< 0.01	< 10	< 0.01	< 1	< 3
	EQUIPMENT BLANK	2014 08 21	< 3	0.121	< 30	< 0.1	0.186	< 0.05	0.574	< 0.1	< 0.1	< 0.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	0.14	< 0.5	< 0.05	< 0.5	< 0.5	< 0.01	< 0.01	< 10	< 0.01	< 1	< 3
	DI-BLANK	2014 08 28	< 3	< 0.05	< 30	< 0.1	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	< 0.05	< 0.5	< 0.5	< 0.01	< 0.01	< 10	< 0.01	< 1	< 3
	FILTER-BLANK	2014 08 28	< 3	< 0.05	< 30	< 0.1	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	< 0.05	< 0.5	< 0.5	< 0.01	< 0.01	< 10	< 0.01	< 1	< 3
	KEM1B	2014 08 28	< 3	< 0.05	< 30	< 0.1	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	< 0.05	< 0.5	< 0.5	< 0.01	< 0.01	< 10	< 0.01	< 1	< 3
	DI-BLANK	2014 09 01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	FILTER-BLANK	2014 09 01	< 3	< 0.05	< 30	< 0.1	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	< 0.05	< 0.5	< 0.5	< 0.01	< 0.01	< 10	< 0.01	< 1	< 3
	KEM1B	2014 09 01	< 3	< 0.05	< 30	< 0.1	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	< 0.05	< 0.5	< 0.5	< 0.01	< 0.01	< 10	< 0.01	< 1	< 3
	KEM1B	2014 09 06	< 3	< 0.05	< 30	< 0.1	0.068	< 0.05	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	< 0.05	< 0.5	< 0.5	< 0.01	< 0.01	< 10	< 0.01	< 1	< 3
	DI-BLANK	2014 09 08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	FILTER-BLANK	2014 09 08	< 3	< 0.05	< 30	< 0.1	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	< 0.05	< 0.5	< 0.5	< 0.01	< 0.01	< 10	< 0.01	< 1	< 3
	KEMIB	2014 09 09	< 3	< 0.05	< 30	< 0.1	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	< 0.05	< 0.5	< 0.5	< 0.01	< 0.01	< 10	< 0.01	< 1	< 3
	KEM1B	2014 09 14	< 3	< 0.05	< 30	< 0.1	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	< 0.05	< 0.5	< 0.5	< 0.01	< 0.01	< 10	< 0.01	< 1	< 3
	VAN-1-BLANK-149015	2014 09 15	< 3	< 0.05	< 30	< 0.1	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	< 0.05	< 0.5	< 0.5	< 0.01	< 0.01	< 10	< 0.01	< 1	< 3
	DI-BLANK	2014 09 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	FILTER-BLANK	2014 09 15	< 3	< 0.05	< 30	< 0.1	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	< 0.05	< 0.5	< 0.5	< 0.01	< 0.01	< 10	< 0.01	< 1	< 3
	KEM1B	2014 09 15	< 3	< 0.05	< 30	< 0.1	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	< 0.05	< 0.5	< 0.5	< 0.01	< 0.01	< 10	< 0.01	< 1	< 3
	I-SC1	2014 09 21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	KEM1B	2014 09 22	< 3	< 0.05	< 30	< 0.1	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	< 0.05	< 0.5	< 0.5	< 0.01	< 0.01	< 10	< 0.01	< 1	< 3
QUL-TRIP BLANK	TRIP-BLANK	2014 09 01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1b: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water (BLANKS) DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Metals																														
			Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bismuth (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Magnesium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Potassium (µg/L)	Selenium (µg/L)	Silicon (µg/L)	Silver (µg/L)	Sodium (µg/L)	Thallium (µg/L)	Tin (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																																	
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.016-0.079[d]	n/a	1 (Cr(+6))	110	6.0-27.9[d]	1,000	27.3-297.3[d]	870	n/a	1001-3582[d]		2,000	25-150[d]	373,000-432,000	2	n/a	0.1-3.0[d]	n/a	0.3	n/a	2,000	300	6	33-172.5[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	2-11[d]	n/a	4.4-14.9[d]	14[i]	n/a	791.1-1819[d]	Methyl mercury analysis in progress	1,000	n/a	n/a	n/a	n/a	0.05-1.5[i]	n/a	n/a	n/a	n/a	n/a	n/a	7.5-147[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	n/a	2	n/a	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	n/a	50	1	n/a	n/a	n/a	10	n/a	n/a	200,000	n/a	n/a	n/a	20	n/a	5,000
QUL-EQUIPMENT BLANK	QUL-EQUIPMENT BLANK	2014 08 12	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	< 0.05	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	QUL-EQUIPMENT BLANK	2014 08 14	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	QUL-EQUIPMENT BLANK	2014 08 15	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	QUL-EQUIPMENT BLANK	2014 08 16	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	EQUIPMENT BLANK	2014 08 19	11.4	< 0.1	< 0.1	0.272	< 0.1	< 0.5	< 10	< 0.01[a]	84	< 0.5	< 0.1	< 0.5	< 30	**0.11**	< 0.5	< 100	0.314	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	QUL-EQUIPMENTBLANK	2014 08 19	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	EQUIPMENT BLANK	2014 08 21	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	108	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	0.09	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	428	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	DI-BLANK	2014 08 28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	FILTER-BLANK	2014 08 28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	KEM1B	2014 08 28	***462***	< 0.1	0.21	7.73	< 0.1	< 0.5	< 10	< 0.01[a]	364	< 0.5	0.24	**8.57**	***371***	**0.158**	< 0.5	200	10.6	< 0.01	< 0.05	< 0.5	174	< 0.5	1,000	< 0.01	82	< 0.01	< 0.1	27	0.017	1.2	< 3
	DI-BLANK	2014 09 01	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	FILTER-BLANK	2014 09 01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	KEM1B	2014 09 01	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	< 0.01	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	KEM1B	2014 09 06	< 3	< 0.1	< 0.1	0.078	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	0.089	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	DI-BLANK	2014 09 08	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	FILTER-BLANK	2014 09 08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	KEMIB	2014 09 09	< 3	< 0.1	< 0.1	0.056	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	< 0.01	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	KEM1B	2014 09 14	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	VAN-1-BLANK-149015	2014 09 15	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	DI-BLANK	2014 09 15	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	FILTER-BLANK	2014 09 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	KEM1B	2014 09 15	4.5	< 0.1	< 0.1	0.138	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	0.257	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	I-SC1	2014 09 21	< 3	< 0.1	< 0.1	0.167	< 0.1	< 0.5	< 10	< 0.01[a]	560	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	0.969	-	< 0.05	< 0.5	< 50	< 0.5	62	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	KEM1B	2014 09 22	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
QUL-TRIP BLANK	TRIP-BLANK	2014 09 01	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	< 0.01	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3

TABLE 1b: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water (BLANKS) DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical Parameters							Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus[g] (mg/L)
			Hardness (mg/L)	pH (pH)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)											
BC Guidelines																				
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	Change of 8	n/a	n/a	Change of 25	n/a	n/a	5,680-18,400[d]	32,800	60-600[d]	32,800[f]	600	988.2-1742[d]	n/a	n/a	n/a	0.005-0.015
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	Change of 2	n/a	n/a	Change of 5	+20% of median background	n/a	1,090-1,770[d]	3,000	20-200[d]	3,000[f]	150	n/a	128-429[d]	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,000	500	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	n/a[i]	n/a	500	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a
QUL-FIELD BLANK	FIELD BLANK	2014 08 06	-	***5.58***	< 0.1	< 2	< 10	< 3	-	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	FIELD BLANK DI	2014 08 08	< 0.5	***5.48***	< 0.1	< 2	< 10	< 3	< 0.5	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	FIELD BLANK	2014 08 10	-	***5.87***	< 0.1	< 2	< 10	< 3	-	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	QUL-FIELD BLANK	2014 08 15	-	-	< 0.1	-	< 10	< 3	-	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	FIELDBLANK	2014 08 12	< 0.5	***5.49***	< 0.1	< 2	< 10	< 3	-	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	FIELDBLANK	2014 08 17	< 0.5	***5.64***	< 0.1	< 2	< 10	< 3	-	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	ALS FIELD BLANK	2014 08 12	< 0.5	***5.61***	< 0.1	< 2	< 10	< 3	-	< 0.05	< 5	< 5	< 1	< 5.1	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	FIELD BLANK	2014 08 12	< 0.5	***5.49***	< 0.1	< 2	< 10	< 3	-	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	FIELD BLANK	2014 08 17	< 0.5	***5.64***	< 0.1	< 2	< 10	< 3	-	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	QUL-FIELDBLANK	2014 08 19	< 0.5	***5.89***	< 0.1	< 2	< 10	< 3	-	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	FIELD BLANK	2014 08 21	< 0.5	-	< 0.1	-	< 10	< 3	-	< 0.05	< 5	< 5	< 1		< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	QUL-19-FB	2014 08 27	< 0.5	-	0.15	-	< 10	< 3	-	< 0.05	< 5	< 5	< 1		< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	QUL-20FB	2014 09 08	< 0.5	***5.89***	< 0.1	< 2	< 10	< 3	-	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	QUL-108-FB	2014 09 15	-	***5.44***	< 0.1	< 2	< 10	< 3	< 0.5	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.02[a]
	QUL-2-FB	2014 09 11	-	***5.4***	< 0.1	< 2	< 10	< 3	-	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	QUL-21-FB	2014 09 12	< 0.5	***5.9***	< 0.1	< 2	< 10	< 3	-	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	QUL-95-FB	2014 09 01	< 0.5	-	< 0.1	-	< 10	< 3	-	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	QUL-79-FB	2014 09 06	< 0.5	***5.39***	< 0.1	< 2	< 10	< 3	-	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	QUL-79-FB	2014 09 15	-	***5.44***	< 0.1	< 2	< 10	< 3	-	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	QUR-1-FB	2014 09 16	< 0.5	***5.36***	< 0.1	< 2	< 10	< 3	< 0.5	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	QUL-66-FB	2014 09 18	< 0.5	***5.56***	< 0.1	< 2	< 10	< 3	< 0.5	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	QUR-1-FB	2014 09 20	< 0.5	-	-	-	-	-	< 0.5	< 0.05	< 5	-	-	-	-	-	-	-	-	-
QUL-ISCO-BLANK	ISCO-BLANK	2014 08 27	6.88	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
	ISCO-BLANK	2014 09 01	5.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QUL-TRIP BLANK	TRIP-BLANK	2014 08 27	< 0.5	-	< 0.1	-	< 10	< 3	-	< 0.05	< 5	< 5	< 1		< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]

All terms defined within the body of SNC-Lavalin's report (available upon request).

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- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

Concentration greater than 5x laboratory detection limit

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2

[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

TABLE 1b: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water (BLANKS) DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																										
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																													
BCWQG Aquatic Life (AW)[b,c]			30-100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50-1000[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
QUL-FIELD BLANK	FIELD BLANK	2014 08 06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	FIELD BLANK DI	2014 08 08	< 3	< 0.05	< 30	< 0.1	< 0.05	< 0.05	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	< 0.05	< 0.5	< 0.5	< 0.01	< 0.01	< 10	< 0.01	< 1	< 3
	FIELD BLANK	2014 08 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUL-FIELD BLANK	2014 08 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	FIELDBLANK	2014 08 12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	FIELDBLANK	2014 08 17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	ALS FIELD BLANK	2014 08 12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	FIELD BLANK	2014 08 12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	FIELD BLANK	2014 08 17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUL-FIELDBLANK	2014 08 19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	FIELD BLANK	2014 08 21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUL-19-FB	2014 08 27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUL-20FB	2014 09 08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUL-108-FB	2014 09 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUL-2-FB	2014 09 11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUL-21-FB	2014 09 12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUL-95-FB	2014 09 01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUL-79-FB	2014 09 06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUL-79-FB	2014 09 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-FB	2014 09 16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUL-66-FB	2014 09 18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUR-1-FB	2014 09 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QUL-ISCO-BLANK	ISCO-BLANK	2014 08 27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	ISCO-BLANK	2014 09 01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QUL-TRIP BLANK	TRIP-BLANK	2014 08 27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

TABLE 1b: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water (BLANKS) DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Metals																														
			Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bismuth (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Magnesium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Potassium (µg/L)	Selenium (µg/L)	Silicon (µg/L)	Silver (µg/L)	Sodium (µg/L)	Thallium (µg/L)	Tin (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Guidelines																																	
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.016-0.079[d]	n/a	1 (Cr(+6))	110	6.0-27.9[d]	1,000	27.3-297.3[d]	870	n/a	1001-3582[d]		2,000	25-150[d]	373,000-432,000	2	n/a	0.1-3.0[d]	n/a	0.3	n/a	2,000	300	6	33-172.5[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	2-11[d]	n/a	4.4-14.9[d]	14[i]	n/a	791.1-1819[d]	Methyl mercury analysis in progress	1,000	n/a	n/a	n/a	n/a	0.05-1.5[i]	n/a	n/a	n/a	n/a	n/a	n/a	7.5-147[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	n/a	2	n/a	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	n/a	50	1	n/a	n/a	n/a	10	n/a	n/a	200,000	n/a	n/a	n/a	20	n/a	5,000
QUL-FIELD BLANK	FIELD BLANK	2014 08 06	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	< 0.05	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	FIELD BLANK DI	2014 08 08	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	< 0.05	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	FIELD BLANK	2014 08 10	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	< 0.05	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	QUL-FIELD BLANK	2014 08 15	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	FIELDBLANK	2014 08 12	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	FIELDBLANK	2014 08 17	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	ALS FIELD BLANK	2014 08 12	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	< 0.05	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	FIELD BLANK	2014 08 12	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	FIELD BLANK	2014 08 17	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	QUL-FIELDBLANK	2014 08 19	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	FIELD BLANK	2014 08 21	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	QUL-19-FB	2014 08 27	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	< 0.01	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	QUL-20FB	2014 09 08	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	QUL-108-FB	2014 09 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	QUL-2-FB	2014 09 11	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	QUL-21-FB	2014 09 12	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	QUL-95-FB	2014 09 01	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	< 0.01	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	QUL-79-FB	2014 09 06	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	QUL-79-FB	2014 09 15	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	QUR-1-FB	2014 09 16	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	QUL-66-FB	2014 09 18	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	QUR-1-FB	2014 09 20	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
QUL-ISCO-BLANK	ISCO-BLANK	2014 08 27	40.6	< 0.1	< 0.1	1.25	< 0.1	< 0.5	< 10	< 0.01[a]	2,290	< 0.5	< 0.1	0.76	50	< 0.05	< 0.5	280	2.64	-	0.061	< 0.5	75	< 0.5	302	< 0.01	132	< 0.01	< 0.1	< 10	0.015	< 1	4.4
	ISCO-BLANK	2014 09 01	28.4	< 0.1	< 0.1	0.906	< 0.1	< 0.5	< 10	< 0.01	1,950	< 0.5	< 0.1	0.51	36	< 0.05	< 0.5	240	3.36	-	< 0.05	< 0.5	74	< 0.5	275	< 0.01	107	< 0.01	< 0.1	< 10	0.016	< 1	4.4
QUL-TRIP BLANK	TRIP-BLANK	2014 08 27	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	< 0.01	< 0.05	< 0.5	< 50	< 0.5	< 50	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3

All terms defined within the body of SNC-Lavalin's report (available upon request).
< Denotes concentration less than indicated detection limit or RPD less than indicated value.
- Denotes analysis not conducted.
n/a Denotes no applicable standard.
* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

Concentration greater than 5x laboratory detection limit

[a] Laboratory detection limit out of range.
[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.
[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.
[d] Guideline varies with pH, and/or either Temperature or Hardness or chloride
[e] Health Canada Drinking Water Guidelines, 2012.
[f] Guideline for Nitrate applied.
[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.
[h] Calculated based on an individual sample basis, not average of 30 day results.
[i] Secondary chronic or chronic value, not 30 day mean.
[j] Guideline not applicable for site situation.

TABLE 1e: Summary of Analytical Results for Mount Polley, Quesnel Lake and River - Surface Water (Chlorophyll A) DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Misc. Organic Substances Chlorophyll A (ug/L)
BC Standards			
BCWQG Aquatic Life (AW)[a,b]			50mg/m^2/100mg/m^2
BCWQG Drinking Water (DW)[a,b]			n/a
Canadian Drinking Water Quality (DW)[c]			n/a
QUL-2	QUL-2-0M	2014 09 03	0.379
	QUL-2-47M	2014 09 03	0.067
	QUL-2-25M	2014 09 19	0.239
	QUL-2-48M	2014 09 19	0.059
	QUL-2-0M	2014 09 19	0.177
	QUL-2-0M	2014 09 22	0.53
	QUL-2X-0M	2014 09 22	0.351
	QA/QC RPD %		41
	QUL-2-25M	2014 09 22	0.14
	QUL-2X-25M	2014 09 22	0.193
	QA/QC RPD %		32
	QUL-2-47M	2014 09 22	< 0.01
QUL-18	QUL-18	2014 09 20	0.595
QUL-20	QUL-20	2014 09 20	0.328
QUL-21	QUL-21-47M	2014 09 03	0.063
	QUL-21-0M	2014 09 18	0.283
	QUL-21-18M	2014 09 18	0.279
	QUL-21-46M	2014 09 18	0.054
	QUL-21-0M	2014 09 20	0.287
	QUL-21-30M	2014 09 20	0.105
	QUL-21-45M	2014 09 20	< 0.01
QUL-21	QUL-21-0M	2014 09 23	0.409
	QUL-21X-0M	2014 09 23	0.496
	QA/QC RPD %		19
	QUL-21-20M	2014 09 23	0.362
	QUL-21-47M	2014 09 23	0.051
QUL-22	QUL-22-9M	2014 09 03	0.46
	QUL-22-0M	2014 09 18	0.259
	QUL-22-9M	2014 09 18	0.232
	QUL-22-0M	2014 09 20	0.282
	QUL-22X-0M	2014 09 20	0.213
	QA/QC RPD %		28
	QUL-22-7M	2014 09 20	0.551
	QUL-22-0M	2014 09 23	0.395
	QUL-22-5M	2014 09 23	0.791
	QUL-22-9M	2014 09 23	0.601
QUL-23	QUL-23	2014 09 20	0.251
QUL-40	QUL-40-0M	2014 09 19	0.244
	QUL-40-45M	2014 09 19	0.108
	QUL-40-100M	2014 09 19	0.104
	QUL-40-0M	2014 09 22	0.344
	QUL-40-50M	2014 09 22	0.151
	QUL-40-98M	2014 09 22	0.058
QUL-66	QUL-66-0M	2014 09 03	0.443
	QUL-66-14M	2014 09 03	0.25
	QUL-66-0M	2014 09 18	0.212
	QUL-66-15M	2014 09 18	0.283
	QUL-66-40M	2014 09 18	0.047
	QUL-66-0M	2014 09 20	0.565
	QUL-66-15M	2014 09 20	0.222
	QUL-66-45M	2014 09 20	< 0.01
	QUL-66-0M	2014 09 23	0.295
	QUL-66-15M	2014 09 23	0.559
	QUL-66-50M	2014 09 23	< 0.01
QUL-79	QUL-79-0M	2014 09 18	0.213
	QUL-79-15M	2014 09 18	0.188
	QUL-79-50M	2014 09 18	0.107
	QUL-79-0M	2014 09 19	0.116
	QUL-79-25M	2014 09 19	0.24
	QUL-79-58M	2014 09 19	0.156
	QUL-79-0M	2014 09 22	0.352
	QUL-79-30M	2014 09 22	0.154
	QUL-79-58M	2014 09 22	< 0.01
QUL-87	QUL-87-0M	2014 09 21	0.277
	QUL-87X-0M	2014 09 21	0.259
	QA/QC RPD %		7
	QUL-87-25M	2014 09 21	0.167
	QUL-87X-25M	2014 09 21	0.135
	QA/QC RPD %		21
	QUL-87-53M	2014 09 21	0.18
	QUL-87-0M	2014 09 23	0.426
	QUL-87-25M	2014 09 23	0.136
	QUL-87-57M	2014 09 23	0.103
QUL-96	QUL-96-0M	2014 09 03	0.715
QUL-110	QUL-110	2014 09 20	0.414
QUL-112	QUL-112X-30M	2014 09 20	0.085
	QA/QC RPD %		*
	QUL-112-0M	2014 09 20	0.424
	QUL-112-30M	2014 09 20	0.094
	QUL-112-80M	2014 09 20	0.096
QUL-119	QUL-119-0M	2014 09 21	0.292
	QUL-119-20M	2014 09 21	0.228
	QUL-119-98M	2014 09 21	< 0.01
QUL-120	QUL-120-0M	2014 09 21	0.342
	QUL-120-35M	2014 09 21	0.15
	QUL-120-88M	2014 09 21	0.078

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n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[b] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[c] Health Canada Drinking Water Guidelines, 2012.

TABLE 3a: Summary of Analytical Results for Mount Polley, Polley Lake - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical Parameters									Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus[g] (mg/L)
			Hardness (mg/L)	pH (field) (pH)	pH (pH)	Temperature (field) (C)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)											
BC Standards																						
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	6.5-9.0		Change of 8[k]	n/a	n/a	Change of 25	n/a	n/a	700-5,680[d]	32,800	60-120[d]	32,800[f]	600	1264-1510[d]	n/a	n/a	n/a	0.005-0.015
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	+/-1 Degree change from ambient	Change of 2[k]	n/a	n/a	Change of 5[k]	+20% of median background	n/a	135-1,090[d]	3,000	20-40[d]	3,000[f]	150	n/a	128-309[d]	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	6.5-8.5	n/a[j]	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,500	500	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	6.5-8.5	n/a[j]	n/a[j]	n/a	500	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a
POL-1	POL-1	2014 08 07	97.1	-	***9.06***	-	2.52	187	127	< 3	6.09	0.389	< 5	6.6	< 1	-	< 0.5	60	26.3	75.4	< 0.001	**0.0044**
POL-2	POL-2	2014 08 07	95.2	-	***9.01***	-	3.96	184	126	< 3	6.81	0.402	< 5	< 5	< 1	-	< 0.5	61	27.6	70.8	< 0.001	0.005
	POL-2(13:18)	2014 08 08	96.7	***9.02***	***8.86***	20.4	4.04	192	139	6	6.86	0.376	5.8	< 5	< 1	-	< 0.5	61	27.2	72.8	0.0011	0.0056
	POL-2(16:54)	2014 08 08	98.1	***8.87***	***8.68***	21	3.4	193	142	< 3	7.44	0.45	< 5	< 5	< 1	-	< 0.5	64	27.2	70.5	0.0017	0.0077
	POL-2	2014 08 09	96.7	-	***8.87***	-	4.82	194	145	4.3	7.01	0.381	< 5	< 5	< 1	-	< 0.5	61	27.8	71.2	< 0.001	0.0057
	POL-2X	2014 08 09	97.2	-	***8.88***	-	4.13	195	144	5.9	6.97	0.372	< 5	< 5	< 1	-	< 0.5	64	28	71.6	< 0.001	0.0053
	QA/QC RPD %		< 1	-	< 1	-	15	< 1	< 1	*	< 1	2	*	*	*	-	*	*	< 1	< 1	*	*
	POL-2	2014 08 11	99.6	***8.55***	8.16	23.0	3.59	203	143	< 3	7.57	0.56	< 5	< 5	< 1	-	< 0.5	68	27.6	75.3	0.0011	0.0079
	POL-2	2014 08 12	94.8	***8.99***	***8.58***	20.6	1.58	198	135	< 3	6.29	0.355	< 5	< 5	< 1	-	< 0.5	69	27.1	73.4	< 0.001	0.0061
	POL-2	2014 08 13	96.4	***8.98***	***8.65***	21.4	1.18	194	132	< 3	6.3	0.512	7.6	< 5	< 1	-	< 0.5	68	27.2	73.7	< 0.001	0.0053
	POL-2	2014 08 14	99.8	***8.87***	***8.53***	22.5	1.66	200	130	< 3	6.69	0.373	5	< 5	< 1	-	< 0.5	63	27.4	75.7	< 0.001	**0.0049**
	POL-2	2014 08 15	99.9	***8.76***	8.26	21.8	1.07	202	137	< 3	6.6	0.345	< 5	< 5	< 1	< 5.1	< 0.5	81	27.4	75.5	< 0.001	0.0064
	POL-2	2014 08 16	100	-	8.28	-	1.7	203	142	< 3	6.57	0.339	< 5	< 5	< 1	< 5.1	< 0.5	68	27.3	76	< 0.001	0.0058
	POL-2	2014 08 17	95.9	***8.83***	8.18	20.1	3.05	203	93	4.8	6.48	0.328	< 5	< 5	< 1	-	< 0.5	68	27.5	74.9	< 0.001	0.0061
	POL-2	2014 08 18	97.5	***8.66***	8.33	20.7	1.38	200	139	< 3	7.38	0.389	6.1	< 5	< 1	-	< 0.5	67	27.4	75.7	< 0.001	0.006
	POL-2	2014 08 19	102	8.24	8.09	20.4	3.02	198	133	5.2	6.84	0.505	5.4	< 5	< 1	-	< 0.5	74	26.7	74.9	< 0.001	0.0066
	POL-2	2014 08 20	102	8.39	8.17	20.4	4.8	201	110	5.6	6.43	0.345	< 5	< 5	< 1	-	< 0.5	67	27	75.7	0.0011	0.0063
	POL-2	2014 08 21	100	-	8.17	-	7.9	200	141	5.6	6.39	0.333	< 5	< 5	< 1	-	< 0.5	67	27.3	74	< 0.001	0.0052
POL-3	POL-3(12:15)	2014 08 08	99.8	***9.02***	***8.93***	19	1.66	194	134	3.1	6	0.362	5.2	< 5	< 1	-	< 0.5	61	26.5	75.5	0.0011	**0.0048**
	POL-3(12:34)	2014 08 08	100	***8.85***	***8.79***	18.8	3.03	196	131	7.5	6.06	0.333	< 5	< 5	< 1	-	< 0.5	60	26.3	77.1	0.001	0.0064
	POL-3	2014 08 09	97.8	-	***8.7***	-	2.98	198	139	5.5	6.49	0.404	< 5	< 5	< 1	-	< 0.5	60	26.5	73.8	0.0058	***0.0117***
	POL-3	2014 08 11	107	-	7.89	-	2.91	224	162	5.9	8.27	0.835	15	< 5	< 1	-	< 0.5	64	25.8	87.6	0.0476	***0.08***
	POL-3	2014 08 12	96.3	***8.85***	8.39	21.7		200	142	< 3	6.3	0.406	6.4	< 5	< 1	-	< 0.5	65	27.2	73.7	< 0.001	0.0068
	POL-3	2014 08 13	97.9	***8.94***	***8.56***	21.7	1.69	197	136	3.5	6.65	0.402	10.7	< 5	< 1	-	< 0.5	66	27	75.2	0.0021	0.0069
	POL-3	2014 08 14	98.3	***8.89***	***8.57***	22.5	3.36	200	130	< 3	6.77	0.363	7.2	5.5	< 1	-	< 0.5	64	27.2	74.9	< 0.001	0.005
	POL-3	2014 08 15	98.5	8.12	8.38	21.7	3.68	199	133	< 3	6.31	0.359	< 5	< 5	< 1	< 5.1	< 0.5	80	27.1	74.1	< 0.001	0.0056
	POL-3	2014 08 16	99.7	-	***5.64***	-	0.62	200	139	3.7	6.25	0.333	< 5	< 5	< 1	< 5.1	< 0.5	68	27.1	73.3	< 0.001	0.006
	POL-3	2014 08 17	99.6	***8.932***	8.27	19.7	1.04	202	135	3.5	6.38	0.365	< 5	< 5	< 1	-	< 0.5	68	27.4	74.7	< 0.001	0.0052
	POL-3	2014 08 18	99.6	***8.843***	***8.52***	19.8	0.89	200	117	< 3	7.15	0.386	7.3	< 5	< 1	-	< 0.5	76	27.5	74.5	< 0.001	0.0051
	POL-3X	2014 08 18	99.1	***8.843***	8.49	19.8	0.85	201	96	< 3	7.06	0.381	7	< 5	< 1	-	< 0.5	67	27.5	75.3	< 0.001	0.006
	QA/QC RPD %		< 1	0	< 1	0	5	< 1	20	*	1	1	*	*	*	-	*	*	0	1	*	*
	POL-3	2014 08 19	101	***8.53***	8.32	20.4	0.82	199	138	< 3	6.4	0.42	6.3	< 5	< 1	-	< 0.5	77	26.9	74.7	< 0.001	0.006
	POL-3	2014 08 20	102	***8.53***	8.23	20.5	0.75	201	110	< 3	6.38	0.351	8.3	< 5	< 1	-	< 0.5	66	27.3	75.9	0.0012	0.0067
	POL-3X	2014 08 20	100	***8.53***	8.23	20.5	0.66	204	145	< 3	6.28	0.347	9	< 5	< 1	-	< 0.5	64	27.1	77.2	0.0011	0.0069
	QA/QC RPD %		2	0	0	0	13	2	28	*	2	1	*	*	*	-	*	*	< 1	2	*	*
	POL-3	2014 08 21	100	-	8.43	-	0.85	202	135	< 3	5.99	0.384	8.2	< 5	< 1	-	< 0.5	66	27.9	76	< 0.001	**0.0045**
	POL-3	2014 08 27	105	***8.74***	8.3	19.4	0.93	209	135	< 3	6.92	0.376	< 5	< 5	< 1	-	< 0.5	70	28.5	77.2	0.0013	0.0059
	POL-3	2014 09 03	103	***8.76***	8.3	15.9	0.59	210	151	< 3	6.64	0.331	6.4	< 5	< 1		< 0.5	67	30.1	78.7	< 0.001	0.0052
	POL-3	2014 09 10	119	7.83	8.13	14.8	1.04	243	147	< 3	5.96	0.471	39.3	75.1	**33.6**	-	0.84	81	38.5	88.7	< 0.001	**0.0042**
	POL-3	2014 09 16	114	***8.62***	8.13	16.6	5.55	231	155	10.4	6.64	0.592	12.9	< 5	3.8	-	0.67	76	34.9	87.4	< 0.001	0.0092

Associated ALS files: L1499194, L1499709, L1499935, L1499939, L1501501, L1501541, L1502406, L1503046, L1503928, L1503934, L1503943, L1504261, L1504997, L1505933, L1506592, L1509578, L1513384, L1514740, L1515526, L1516318, L1518999, L1519829, L1519910, L1522666.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and or Temperature or Hardness or Chloride.

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

[k] Based on a change from background at any one time. Prebreach range (Minnow, 2014) 0.54-2.73 NTU and <3-5.5 mg/L TSS.

TABLE 3a: Summary of Analytical Results for Mount Polley, Polley Lake - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																										
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Standards																													
BCWQG Aquatic Life (AW)[b,c]			100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
POL-1	POL-1	2014 08 07	6.3	31.1	< 30	4.72	0.377	0.341	4.24	< 0.1	0.55	6.36	< 0.1	19	< 0.01	< 0.5	< 0.1	1.67	< 0.05	< 0.5	< 0.05	2.2	< 0.5	0.56	< 0.01	< 0.01	< 10	0.102	1.1	< 3
POL-2	POL-2	2014 08 07	12.5	30.2	< 30	4.78	3.86	0.483	4.44	< 0.1	0.61	7.72	< 0.1	20	< 0.01	< 0.5	< 0.1	2.77	< 0.05	< 0.5	< 0.05	2.58	< 0.5	0.55	< 0.01	< 0.01	< 10	0.101	1.1	< 3
	POL-2(13:18)	2014 08 08	13.9	30.7	< 30	4.87	11.7	0.527	4.77	< 0.1	0.65	9.11	< 0.1	20	< 0.01	< 0.5	< 0.1	3.06	< 0.05	< 0.5	-	2.45	< 0.5	0.59	< 0.01	< 0.01	< 10	0.1	1.1	< 3
	POL-2(16:54)	2014 08 08	11.4	31.3	< 30	4.83	7.95	0.531	4.63	< 0.1	0.63	9.28	< 0.1	18	< 0.01	< 0.5	< 0.1	2.86	< 0.05	< 0.5	-	2.46	< 0.5	0.57	< 0.01	< 0.01	< 10	0.115	1.2	< 3
	POL-2	2014 08 09	14.8	30.9	< 30	4.76	0.815	0.466	4.52	< 0.1	0.61	8.3	< 0.1	20	< 0.01	< 0.5	< 0.1	3.19	< 0.05	< 0.5	-	2.67	< 0.5	0.55	< 0.01	< 0.01	< 10	0.143	1.2	< 3
	POL-2X	2014 08 09	15.2	31	< 30	4.8	0.728	0.474	4.63	< 0.1	0.6	8.25	< 0.1	20	< 0.01	< 0.5	< 0.1	3.21	< 0.05	< 0.5	-	2.77	< 0.5	0.56	< 0.01	< 0.01	< 10	0.144	1.2	< 3
	QA/QC RPD %		*	< 1	*	< 1	11	2	2	*	2	< 1	*	*	*	*	*	< 1	*	*	-	4	*	*	*	*	*	< 1	*	*
	POL-2	2014 08 11	12.1	31.9	< 30	4.85	22.4	0.708	4.66	< 0.1	0.66	9.62	< 0.1	20	< 0.01	< 0.5	< 0.1	3.16	< 0.05	0.58	-	2.49	< 0.5	0.57	< 0.01	< 0.01	< 10	0.091	1.1	< 3
	POL-2	2014 08 12	10.5	30.4	< 30	4.61	0.361	0.422	4.54	< 0.1	0.58	7.3	< 0.1	19	< 0.01	< 0.5	< 0.1	2.18	< 0.05	< 0.5	-	2.38	< 0.5	0.55	< 0.01	< 0.01	< 10	0.096	1.2	< 3
	POL-2	2014 08 13	10.3	30.7	< 30	4.8	0.487	0.422	4.43	< 0.1	0.54	8.04	< 0.1	21	< 0.01	< 0.5	< 0.1	2.3	< 0.05	< 0.5	-	2.53	< 0.5	0.55	< 0.01	< 0.01	< 10	0.102	1.1	< 3
	POL-2	2014 08 14	9.5	32.1	< 30	4.8	0.501	0.41	4.48	< 0.1	0.61	7.48	< 0.1	21	< 0.01	< 0.5	< 0.1	2.25	< 0.05	< 0.5	-	2.57	< 0.5	0.53	< 0.01	< 0.01	< 10	0.109	1.1	< 3
	POL-2	2014 08 15	10.2	32	< 30	4.87	3.41	0.435	4.47	< 0.1	0.58	7.58	< 0.1	19	< 0.01	< 0.5	< 0.1	2.34	< 0.05	< 0.5	-	2.53	< 0.5	0.57	< 0.01	< 0.01	< 10	0.099	1.1	< 3
	POL-2	2014 08 16	9	32.2	< 30	4.8	2.87	0.45	4.51	< 0.1	0.61	7.66	< 0.1	18	< 0.01	< 0.5	< 0.1	2.3	< 0.05	< 0.5	-	2.51	< 0.5	0.6	< 0.01	< 0.01	< 10	0.097	1.1	< 3
	POL-2	2014 08 17	11.9	30.8	< 30	4.63	0.815	0.468	4.68	< 0.1	0.61	7.75	< 0.1	20	< 0.01	< 0.5	< 0.1	2.53	< 0.05	< 0.5	-	2.65	< 0.5	0.55	< 0.01	< 0.01	< 10	0.118	1.2	< 3
	POL-2	2014 08 18	11.7	31.3	< 30	4.69	4.93	0.46	4.46	< 0.1	0.55	8.1	< 0.1	19	< 0.01	< 0.5	< 0.1	2.33	< 0.05	< 0.5	-	2.56	< 0.5	0.54	< 0.01	< 0.01	< 10	0.105	1.1	< 3
	POL-2	2014 08 19	10	32.8	< 30	4.86	31.2	0.529	4.38	< 0.1	0.61	9.63	< 0.1	20	< 0.01	< 0.5	< 0.1	2.34	< 0.05	< 0.5	-	2.56	< 0.5	0.57	< 0.01	< 0.01	< 10	0.1	1.1	< 3
	POL-2	2014 08 20	12.5	32.7	< 30	4.92	8.18	0.502	4.6	< 0.1	0.62	8.88	< 0.1	21	< 0.01	< 0.5	< 0.1	2.99	< 0.05	< 0.5	-	2.72	< 0.5	0.62	< 0.01	< 0.01	< 10	0.105	1.1	< 3
	POL-2	2014 08 21	16.6	32.1	< 30	4.88	1.44	0.482	4.61	< 0.1	0.59	8.59	< 0.1	19	< 0.01	< 0.5	< 0.1	3.41	< 0.05	< 0.5	-	2.64	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.105	1.1	< 3
POL-3	POL-3(12:15)	2014 08 08	7.5	32	< 30	4.82	3.02	0.404	4.53	< 0.1	0.6	6.96	< 0.1	16	< 0.01	< 0.5	< 0.1	2.12	< 0.05	< 0.5	-	2.23	< 0.5	0.59	< 0.01	< 0.01	< 10	0.095	1.1	< 3
	POL-3(12:34)	2014 08 08	7.1	32.2	< 30	4.82	6.39	0.505	4.51	< 0.1	0.61	7.12	< 0.1	19	< 0.01	< 0.5	< 0.1	2.17	< 0.05	< 0.5	-	2.19	< 0.5	0.52	< 0.01	< 0.01	< 10	0.094	1.1	< 3
	POL-3	2014 08 09	7.4	31.4	< 30	4.71	0.583	0.419	4.37	< 0.1	0.65	6.84	< 0.1	20	< 0.01	< 0.5	< 0.1	1.82	< 0.05	< 0.5	-	2.36	< 0.5	0.51	< 0.01	< 0.01	< 10	0.097	1.1	< 3
	POL-3	2014 08 11	5.9	34.6	< 30	5.04	73	1.46	4.61	< 0.1	0.78	10.7	< 0.1	21	0.015	< 0.5	< 0.1	2.74	< 0.05	0.52	-	2.13	< 0.5	0.52	< 0.01	< 0.01	< 10	0.033	< 1	< 3
	POL-3	2014 08 12	8.8	30.9	< 30	4.67	0.327	0.481	4.59	< 0.1	0.63	7.03	< 0.1	19	< 0.01	< 0.5	< 0.1	2.15	< 0.05	0.51	-	2.4	< 0.5	0.53	< 0.01	< 0.01	< 10	0.096	1.1	< 3
	POL-3	2014 08 13	10.3	31.3	< 30	4.79	0.408	0.451	4.48	< 0.1	0.58	7.42	< 0.1	20	< 0.01	< 0.5	< 0.1	2.25	< 0.05	< 0.5	-	2.48	< 0.5	0.55	< 0.01	< 0.01	< 10	0.104	1.1	< 3
	POL-3	2014 08 14	9.3	31.5	< 30	4.78	0.448	0.428	4.45	< 0.1	0.65	7.2	< 0.1	21	< 0.01	< 0.5	< 0.1	2.16	< 0.05	< 0.5	-	2.5	< 0.5	0.57	< 0.01	< 0.01	< 10	0.107	1.2	< 3
	POL-3	2014 08 15	9.8	31.5	< 30	4.83	2.06	0.415	4.52	< 0.1	0.59	7.21	< 0.1	19	< 0.01	< 0.5	< 0.1	2.21	< 0.05	< 0.5	-	2.6	< 0.5	0.56	< 0.01	< 0.01	< 10	0.093	1.1	< 3
	POL-3	2014 08 16	8.4	31.9	< 30	4.85	1.77	0.419	4.27	< 0.1	0.61	7.08	< 0.1	18	< 0.01	< 0.5	< 0.1	2.15	< 0.05	< 0.5	-	2.44	< 0.5	0.57	< 0.01	< 0.01	< 10	0.094	1.1	< 3
	POL-3	2014 08 17	8.9	31.9	< 30	4.82	0.345	0.447	4.73	< 0.1	0.6	7.21	< 0.1	20	< 0.01	< 0.5	< 0.1	2.12	< 0.05	< 0.5	-	2.65	< 0.5	0.57	< 0.01	< 0.01	< 10	0.109	1.1	< 3
	POL-3	2014 08 18	9.2	32	< 30	4.79	0.527	0.443	4.52	< 0.1	0.61	7.46	< 0.1	20	< 0.01	< 0.5	< 0.1	2.06	< 0.05	< 0.5	-	2.65	< 0.5	0.55	< 0.01	< 0.01	< 10	0.111	1.1	< 3
	POL-3X	2014 08 18	9	31.9	< 30	4.71	0.79	0.441	4.44	< 0.1	0.57	7.37	< 0.1	21	< 0.01	< 0.5	< 0.1	2.06	< 0.05	< 0.5	-	2.6	< 0.5	0.57	< 0.01	< 0.01	< 10	0.107	1.1	< 3
	QA/QC RPD %		*	< 1	*	2	40	< 1	2	*	7	1	*	*	*	*	*	2.25	*	*	-	2	*	*	*	*	*	4	*	*
	POL-3	2014 08 19	10.6	32.4	< 30	4.83	2.62	0.452	4.43	< 0.1	0.58	7.49	< 0.1	21	< 0.01	< 0.5	< 0.1	2.25	< 0.05	< 0.5	-	2.57	< 0.5	0.61	< 0.01	< 0.01	< 10	0.099	1.1	< 3
	POL-3	2014 08 20	9.4	32.9	< 30	4.82	3.96	0.53	4.59	< 0.1	0.65	7.81	< 0.1	20	< 0.01	< 0.5	< 0.1	2.32	< 0.05	< 0.5	-	2.82	< 0.5	0.64	< 0.01	< 0.01	< 10	0.109	1.1	< 3
	POL-3X	2014 08 20	8.7	32.2	< 30	4.81	3.71	0.506	4.47	< 0.1	0.61	7.84	< 0.1	19	< 0.01	< 0.5	< 0.1	2.17	< 0.05	< 0.5	-	2.76	< 0.5	0.63	< 0.01	< 0.01	< 10	0.11	1.1	< 3
	QA/QC RPD %		*	2	*	< 1	7	5	3	*	6	< 1	*	*	*	*	*	*	*	*	-	2	*	*	*	*	*	< 1	*	*
	POL-3	2014 08 21	8.7	32.1	< 30	4.83	2.35	0.497	4.66	< 0.1	0.59	7.88	< 0.1	23	< 0.01	< 0.5	< 0.1	2.21	< 0.05	< 0.5	-	2.92	< 0.5	0.57	< 0.01	< 0.01	< 10	0.096	1.1	< 3
	POL-3	2014 08 27	9.6	33.8	< 30	5.02	8.29	0.567	4.64	< 0.1	0.59	8.35	< 0.1	18	< 0.01	< 0.5	< 0.1	2.49	< 0.05	< 0.5	-	2.98	< 0.5	0.61	< 0.01	< 0.01	< 10	0.112	1.1	< 3
	POL-3	2014 09 03	11	33.2	< 30	4.96	3.66	0.528	5.04	< 0.1	0.64	9.13	< 0.1	19	< 0.01	< 0.5	< 0.1	2.74	< 0.05	< 0.5	-	3.6	< 0.5	0.73	< 0.01	< 0.01	< 10	0.124	1.1	< 3
	POL-3	2014 09 10	19	39	< 30	5.25	27	0.912	6.85	0.14	0.85	12.6	< 0.1	23	< 0.01	< 0.5	< 0.1	2.61	< 0.05	< 0.5	-	7.45	< 0.5	1.14	< 0.01	< 0.01	< 10	0.215	1.3	< 3
	POL-3	2014 09 16	7.2	37.2	< 30	5.25	0.383	0.777	6.18	0.11	0.82	10.6	< 0.1	21	< 0.01	< 0.5	< 0.1	2.82	< 0.05	< 0.5	-	5.6	< 0.5	0.78	< 0.01	< 0.01	< 10	0.17	1.2	< 3

Associated ALS files: L1499194, L1499709, L1499935, L1499939, L1501501, L1501541, L1502406, L1503046, L1503928, L1503934, L1503943, L1504261, L1504997, L1505933, L1506592, L1509578, L1513384, L1514740, L1515526, L1516318, L1518999, L1519829, L1519910, L1522666.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

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[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and or Temperature or Hardness or Chloride.

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

[k] Based on a change from background at any one time. Prebreach range (Minnow, 2014) 0.54-2.73 NTU and <3-5.5 mg/L TSS.

TABLE 3a: Summary of Analytical Results for Mount Polley, Polley Lake - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Metals																										
			Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bismuth (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Potassium (µg/L)	Selenium (µg/L)	Silver (µg/L)	Sodium (µg/L)	Thallium (µg/L)	Tin (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Standards																													
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.0285-0.048[d]	n/a	1 (Cr(+6))	110	9.9-16.57[d]	1,000	65.3-142.6[d]	870	1465-2248[d]	Methyl mercury analysis in progress	2,000	25-110[d]	373,000-432,000	2	0.1-3.0[d]	n/a	0.3	n/a	2,000	300	6	33-81.75[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	3.4-6.2[d]	n/a	5.9-8.9[d]	14[i]	974-1287[d]		1,000	n/a	n/a	n/a	0.05-1.5[d]	n/a	n/a	n/a	n/a	n/a	n/a	7.5-56.25[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	2	n/a	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	50	1	n/a	n/a	n/a	10	n/a	200,000	n/a	n/a	n/a	20	n/a	5,000
POL-1	POL-1	2014 08 07	53.7	< 0.1	0.57	6.91	< 0.1	< 0.5	19	< 0.01	30,900	< 0.5	< 0.1	3.16	34	< 0.05	< 0.5	8.21	< 0.05	2.17	< 0.5	355	0.53	< 0.01	4,060	< 0.01	< 0.1	< 10	0.098	1.2	< 3
POL-2	POL-2	2014 08 07	***139***	< 0.1	0.63	9.62	< 0.1	< 0.5	19	< 0.01	29,900	< 0.5	0.1	**6.31**	86	0.054	< 0.5	11.7	< 0.05	2.51	< 0.5	519	0.56	< 0.01	4,360	< 0.01	< 0.1	< 10	0.107	1.5	< 3
	POL-2(13:18)	2014 08 08	***176***	< 0.1	0.72	11.5	< 0.1	< 0.5	23	< 0.01	31,500	< 0.5	0.14	**6.88**	127	0.063	< 0.5	19.6	< 0.05	2.69	< 0.5	570	0.64	< 0.01	4,770	< 0.01	< 0.1	11	0.114	1.6	< 3
	POL-2(16:54)	2014 08 08	***114***	< 0.1	0.65	11	< 0.1	< 0.5	20	< 0.01	29,600	< 0.5	< 0.1	**5.29**	89	< 0.05	< 0.5	15.3	< 0.05	2.5	< 0.5	582	0.55	< 0.01	4,350	< 0.01	< 0.1	< 10	0.124	1.4	< 3
	POL-2	2014 08 09	***237***	< 0.1	0.72	11.4	< 0.1	< 0.5	21	< 0.01	31,800	< 0.5	0.18	**9.6**	160	0.068	< 0.5	13.7	< 0.05	2.91	< 0.5	551	0.56	< 0.01	4,730	< 0.01	< 0.1	13	0.163	1.9	< 3
	POL-2X	2014 08 09	***241***	< 0.1	0.72	11.7	< 0.1	< 0.5	21	< 0.01	31,700	< 0.5	0.18	**9.24**	175	0.083	< 0.5	14.5	< 0.05	2.78	< 0.5	557	0.59	< 0.01	4,650	< 0.01	< 0.1	13	0.157	1.8	< 3
	QA/QC RPD %		2	*	0	3	*	*	*	*	< 1	*	*	*	9	*	*	*	*	5	*	1	*	*	2	*	*	*	4	*	*
	POL-2	2014 08 11	67.5	< 0.1	0.66	10	< 0.1	< 0.5	19	< 0.01	30,400	< 0.5	< 0.1	**4.8**	47	< 0.05	< 0.5	24.3	< 0.05	2.64	< 0.5	696	0.52	< 0.01	4,550	< 0.01	< 0.1	< 10	0.1	1.3	< 3
	POL-2	2014 08 12	38.7	< 0.1	0.69	7.73	< 0.1	< 0.5	19	< 0.01	31,000	< 0.5	< 0.1	3.15	< 30	< 0.05	< 0.5	7.98	< 0.05	2.57	< 0.5	440	0.56	< 0.01	4,610	< 0.01	< 0.1	< 10	0.104	1.3	< 3
	POL-2	2014 08 13	35.3	< 0.1	0.62	7.68	< 0.1	< 0.5	21	< 0.01	31,100	< 0.5	< 0.1	3.36	< 30	< 0.05	< 0.5	6.64	< 0.05	2.48	< 0.5	446	0.6	< 0.01	4,430	< 0.01	< 0.1	< 10	0.107	1.3	3.1
	POL-2	2014 08 14	35.4	< 0.1	0.66	7.97	< 0.1	< 0.5	22	< 0.01	32,400	< 0.5	< 0.1	3.26	< 30	< 0.05	< 0.5	6.84	< 0.05	2.6	< 0.5	458	0.56	< 0.01	4,590	< 0.01	< 0.1	< 10	0.112	1.4	< 3
	POL-2	2014 08 15	57.9	< 0.1	0.64	7.98	< 0.1	< 0.5	20	< 0.01	31,600	< 0.5	< 0.1	3.73	38	< 0.05	< 0.5	7.94	-	2.64	< 0.5	453	0.59	< 0.01	4,580	< 0.01	< 0.1	< 10	0.104	1.3	< 3
	POL-2	2014 08 16	50.8	< 0.1	0.63	8.32	< 0.1	< 0.5	21	< 0.01	32,000	< 0.5	< 0.1	3.57	37	< 0.05	< 0.5	9.47	-	2.57	< 0.5	470	0.57	< 0.01	4,550	< 0.01	< 0.1	< 10	0.106	1.2	< 3
	POL-2	2014 08 17	99.7	< 0.1	0.65	9.09	< 0.1	< 0.5	21	< 0.01	31,600	< 0.5	< 0.1	**5.28**	83	< 0.05	< 0.5	9.39	-	2.79	< 0.5	496	0.58	< 0.01	4,700	< 0.01	< 0.1	< 10	0.127	1.4	< 3
	POL-2	2014 08 18	58.3	< 0.1	0.61	8.97	< 0.1	< 0.5	20	< 0.01	31,700	< 0.5	< 0.1	3.87	54	< 0.05	< 0.5	11.8	-	2.63	< 0.5	482	0.58	< 0.01	4,560	< 0.01	< 0.1	< 10	0.108	1.2	< 3
	POL-2	2014 08 19	***168***	< 0.1	0.71	12.1	< 0.1	< 0.5	23	< 0.01	33,600	< 0.5	0.16	**5.99**	148	0.074	< 0.5	***50***	-	2.74	< 0.5	599	0.6	0.022	4,770	< 0.01	< 0.1	11	0.108	1.5	< 3
	POL-2	2014 08 20	***286***	< 0.1	0.72	13.3	< 0.1	< 0.5	21	< 0.01	33,800	< 0.5	0.2	**10.3**	187	0.079	< 0.5	18.2	-	2.88	< 0.5	615	0.57	< 0.01	4,930	< 0.01	< 0.1	15	0.122	1.8	< 3
	POL-2	2014 08 21	***435***	< 0.1	0.74	14.6	< 0.1	< 0.5	20	< 0.01	32,500	< 0.5	0.31	**15.5**	***302***	0.102	0.62	16.5	-	2.71	< 0.5	612	0.58	< 0.01	4,730	< 0.01	< 0.1	24	0.12	2.1	< 3
POL-3	POL-3(12:15)	2014 08 08	45.6	< 0.1	0.64	7.41	< 0.1	< 0.5	22	< 0.01	31,300	< 0.5	< 0.1	2.94	< 30	< 0.05	< 0.5	7.69	< 0.05	2.29	< 0.5	390	0.58	< 0.01	4,450	< 0.01	< 0.1	< 10	0.1	1.2	< 3
	POL-3(12:34)	2014 08 08	***120***	< 0.1	0.69	8.6	< 0.1	< 0.5	22	< 0.01	31,900	< 0.5	< 0.1	**5.01**	97	0.059	< 0.5	18.1	< 0.05	2.31	< 0.5	561	0.57	< 0.01	4,390	< 0.01	< 0.1	< 10	0.102	1.5	< 3
	POL-3	2014 08 09	49	< 0.1	0.71	7.57	< 0.1	< 0.5	20	< 0.01	31,200	< 0.5	< 0.1	3.18	30	< 0.05	< 0.5	11.3	< 0.05	2.31	< 0.5	437	0.52	< 0.01	4,280	0.01	< 0.1	< 10	0.098	1.3	< 3
	POL-3	2014 08 11	37	< 0.1	0.81	10.7	< 0.1	< 0.5	20	0.022	33,400	< 0.5	< 0.1	**4.5**	< 30	< 0.05	< 0.5	***82.5***	< 0.05	2.46	< 0.5	1,380	< 0.5	< 0.01	4,370	< 0.01	< 0.1	< 10	0.041	< 1	< 3
	POL-3	2014 08 12	41.9	< 0.1	0.67	8.02	< 0.1	< 0.5	18	< 0.01	31,100	< 0.5	< 0.1	3.35	< 30	< 0.05	0.58	8.03	< 0.05	2.25	< 0.5	507	0.59	< 0.01	4,650	< 0.01	< 0.1	< 10	0.095	1.3	< 3
	POL-3	2014 08 13	38	< 0.1	0.63	7.6	< 0.1	< 0.5	21	< 0.01	30,500	< 0.5	< 0.1	3.37	< 30	< 0.05	< 0.5	10.6	< 0.05	2.49	< 0.5	450	0.57	< 0.01	4,390	< 0.01	< 0.1	< 10	0.101	1.3	< 3
	POL-3	2014 08 14	34.6	< 0.1	0.67	7.95	< 0.1	< 0.5	23	< 0.01	32,700	< 0.5	< 0.1	3.23	< 30	< 0.05	< 0.5	8.58	< 0.05	2.63	< 0.5	485	0.58	< 0.01	4,740	< 0.01	< 0.1	< 10	0.109	1.5	< 3
	POL-3	2014 08 15	22.8	< 0.1	0.62	7.35	< 0.1	< 0.5	20	< 0.01	31,400	< 0.5	< 0.1	2.74	< 30	< 0.05	< 0.5	6.09	-	2.62	< 0.5	439	0.57	< 0.01	4,600	< 0.01	< 0.1	< 10	0.105	1.2	< 3
	POL-3	2014 08 16	20.3	< 0.1	0.59	7.35	< 0.1	< 0.5	20	< 0.01	31,700	< 0.5	< 0.1	2.59	< 30	< 0.05	< 0.5	7.47	-	2.55	< 0.5	426	0.56	< 0.01	4,340	< 0.01	< 0.1	< 10	0.105	1.2	< 3
	POL-3	2014 08 17	27.3	< 0.1	0.63	7.52	< 0.1	< 0.5	20	< 0.01	31,800	< 0.5	< 0.1	2.88	< 30	< 0.05	< 0.5	7.67	-	2.69	< 0.5	458	0.6	< 0.01	4,720	< 0.01	< 0.1	< 10	0.111	1.2	3
	POL-3	2014 08 18	22.8	< 0.1	0.59	7.44	< 0.1	< 0.5	20	< 0.01	31,000	< 0.5	< 0.1	2.61	< 30	< 0.05	< 0.5	8.86	-	2.56	< 0.5	435	0.59	< 0.01	4,360	< 0.01	< 0.1	< 10	0.109	1.1	< 3
	POL-3X	2014 08 18	22.9	< 0.1	0.6	7.54	< 0.1	< 0.5	21	< 0.01	31,400	< 0.5	< 0.1	2.61	< 30	< 0.05	< 0.5	9.46	-	2.61	< 0.5	440	0.58	< 0.01	4,440	< 0.01	< 0.1	< 10	0.106	1.1	< 3
	QA/QC RPD %		< 1	*	2	1	*	*	*	*	1	*	*	*	*	*	*	*	-	2	*	1	*	*	2	*	*	*	3	*	*
	POL-3	2014 08 19	22.2	< 0.1	0.63	7.96	< 0.1	< 0.5	23	< 0.01	32,800	< 0.5	< 0.1	2.81	< 30	< 0.05	< 0.5	6.23	-	2.79	< 0.5	482	0.62	< 0.01	4,670	< 0.01	< 0.1	< 10	0.106	1.2	< 3
	POL-3	2014 08 20	20.4	< 0.1	0.66	8.15	< 0.1	< 0.5	23	< 0.01	32,700	< 0.5	< 0.1	2.73	< 30	< 0.05	< 0.5	7.26	-	2.99	< 0.5	533	0.51	< 0.01	4,650	< 0.01	< 0.1	< 10	0.111	1.2	< 3
	POL-3X	2014 08 20	18.3	< 0.1	0.67	8.32	< 0.1	< 0.5	23	< 0.01	33,800	< 0.5	< 0.1	2.76	< 30	< 0.05	< 0.5	7.69	-	3.07	< 0.5	546	< 0.5	< 0.01	4,840	< 0.01	< 0.1	< 10	0.119	1.3	< 3
	QA/QC RPD %		11	*	2	2	*	*	*	*	3	*	*	*	*	*	*	*	-	3	*	2	*	*	4	*	*	*	7	*	*
	POL-3	2014 08 21	25.9	< 0.1	0.64	7.81	< 0.1	< 0.5	21	< 0.01	33,000	< 0.5	< 0.1	2.88	< 30	< 0.05	< 0.5	7.39	-	3	< 0.5	489	0.59	< 0.01	4,910	< 0.01	< 0.1	< 10	0.114	1.2	< 3
	POL-3	2014 08 27	32.8	< 0.1	0.66	8.76	< 0.1	< 0.5	20	< 0.01	33,900	< 0.5	< 0.1	3.45	< 30	< 0.05	< 0.5	9.5	-	3.24	< 0.5	561	0.62	< 0.01	4,880	< 0.01	< 0.1	< 10	0.118	1.3	< 3
	POL-3	2014 09 03	24.5	< 0.1	0.63	9.35	< 0.1	< 0.5	21	< 0.01	32,400	< 0.5	< 0.1	3.36	< 30	< 0.05	< 0.5	8.63	< 0.01	3.82	< 0.5	531	0.72	< 0.01	5,040	< 0.01	< 0.1	< 10	0.131	1.2	< 3
	POL-3	2014 09 10	28.7	0.16	0.85	12.9	< 0.1	< 0.5	27	< 0.01	38,200	< 0.5	< 0.1	3.38	< 30	< 0.05	< 0.5	***53.1***	< 0.01	7.95	< 0.5	927	1.04	< 0.01	6,730	< 0.01	< 0.1	< 10	0.231	1.4	< 3
	POL-3	2014 09 16	***120***	0.14	0.9	12.7	< 0.1	< 0.5	21	< 0.01	36,900	< 0.5	0.12	**6.69**	151	0.103	0.55	38.6	-	5.67	< 0.5	798	0.82	< 0.01	6,210	< 0.01	< 0.1	12	0.176	1.6	< 3

Associated ALS files: L1499194, L1499709, L1499935, L1499939, L1501501, L1501541, L1502406, L1503046, L1503928, L1503934, L1503943, L1504261, L1504997, L1505933, L1506592, L1509578, L1513384, L1514740, L1515526, L1516318, L1518999, L1519829, L1519910, L1522666.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

\- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and or Temperature or Hardness or Chloride.

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

[k] Based on a change from background at any one time. Prebreach range (Minnow, 2014) 0.54-2.73 NTU and <3-5.5 mg/L TSS.

TABLE 3a: Summary of Analytical Results for Mount Polley, Polley Lake - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical Parameters									Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus[g] (mg/L)
			Hardness (mg/L)	pH (field) (pH)	pH (pH)	Temperature (field) (C)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)											
BC Standards																						
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	6.5-9.0		Change of 8[k]	n/a	n/a	Change of 25	n/a	n/a	700-5,680[d]	32,800	60-120[d]	32,800[f]	600	1264-1510[d]	n/a	n/a	n/a	0.005-0.015
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	+/-1 Degree change from ambient	Change of 2[k]	n/a	n/a	Change of 5[k]	+20% of median background	n/a	135-1,090[d]	3,000	20-40[d]	3,000[f]	150	n/a	128-309[d]	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	6.5-8.5	n/a[j]	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,500	500	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	6.5-8.5	n/a[j]	n/a[j]	n/a	500	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a
POL-4	POL-4(11:03)	2014 08 08	100	***9.09***	***8.91***	18.2	2.39	194	136	4.6	6.58	0.337	< 5	< 5	< 1	-	< 0.5	61	26.4	75.6	0.001	0.0053
	POL-4(11:23)	2014 08 08	100	***9.06***	***8.89***	18.2	2.53	192	132	5.5	6.14	0.33	< 5	< 5	< 1	-	< 0.5	60	26.3	75.9	0.0021	0.0054
	POL-4	2014 08 09	99.2	-	***8.78***	-	2.7	199	139	3.1	7.29	0.44	< 5	< 5	< 1	-	< 0.5	60	26.6	75	< 0.001	0.0054
	POL-4	2014 08 11	83.9	-	***8.56***	-	2.25	198	116	< 3	6.48	0.404	< 5	6.1	< 1	-	< 0.5	72	26.9	73.6	< 0.001	0.0063
	POL-4	2014 08 12	94.6	***8.90***	***8.52***	22.0	1.4	199	140	< 3	6.24	0.397	< 5	< 5	< 1	-	< 0.5	67	27.1	73.4	< 0.001	0.0056
	POL-4X	2014 08 12	96.7	***8.90***	***8.52***	22.0	1.08	200	141	< 3	6.17	0.393	< 5	< 5	< 1	-	< 0.5	64	27.2	74.8	< 0.001	0.0056
	QA/QC RPD %		2	*	0	*	26	< 1	< 1	*	1	1	*	*	*	-	*	*	< 1	2	*	*
	POL-4	2014 08 13	98.1	***8.831***	***8.62***	21.1	1.09	196	137	< 3	6.4	0.373	5.4	6	< 1	-	< 0.5	72	27.2	75.5	< 0.001	0.006
	POL-4	2014 08 14	97.9	***8.993***	***8.69***	22.4	1.09	199	134	< 3	6.53	0.34	6	< 5	< 1	-	< 0.5	64	27.2	75	< 0.001	**0.0048**
	POL-4	2014 08 15	97.8	7.724	8.41	20.7	3.37	200	122	< 3	6.26	0.468	< 5	< 5	< 1	< 5.1	< 0.5	85	27.2	75.4	< 0.001	0.0059
	POL-4	2014 08 16	99.5	-	8.28	-	0.66	201	137	< 3	6.44	0.345	8.6	< 5	< 1	< 5.1	< 0.5	65	26.9	75.2	< 0.001	0.0058
	POL-4	2014 08 17	101	***8.843***	8.26	19.4	0.87	204	90	< 3	6.5	0.342	6.1	< 5	< 1	-	< 0.5	68	27.4	76.5	< 0.001	0.006
	POL-4	2014 08 18	99.5	***8.815***	***8.52***	19.5	1.02	200	139	< 3	6.77	0.404	< 5	15.4	< 1	-	< 0.5	76	27.6	76	< 0.001	**0.0049**
	POL-4	2014 08 19	103	8.4	8.23	20	1.11	201	134	< 3	6.83	0.472	10.3	5.9	< 1	-	< 0.5	76	27.1	78.1	< 0.001	0.0063
	POL-4	2014 08 20	103	***8.59***	8.26	20.4	0.66	204	140	< 3	6.44	0.339	5.2	< 5	< 1	-	< 0.5	67	27.3	77.5	0.0012	0.006
	POL-4	2014 08 21	101	-	8.5	-	0.71	204	161	< 3	6.05	0.335	6	7.8	< 1	-	< 0.5	67	28	76	< 0.001	**0.0041**
	POL-4	2014 08 27	106	***8.67***	8.21	19.2	1.01	209	131	< 3	6.94	0.349	< 5	< 5	< 1	-	< 0.5	73	28.4	76.4	0.0022	0.0071
	POL-4	2014 09 03	107	***8.67***	8.36	15.7	0.73	215	151	< 3	6.49	0.342	9.7	23.5	2.1		< 0.5	68	31.1	80.3	< 0.001	0.0053
	POL-4	2014 09 10	122	8.12	8.1	12.3	1.4	252	148	< 3	5.78	0.493	59.6	96.3	**51.7**	-	0.98	87	41.5	90.6	< 0.001	**0.0044**
	POL-4	2014 09 16	117	7.6	8.07	17.2	1.66	231	155	4	6.39	0.41	< 5	< 5	< 1	-	0.65	75	34	89.7	< 0.001	0.0076
POL-5	POL-5-0M	2014 09 08	117	8.07	8.07	13.4	0.95	236	156	< 3	5.86	0.163	28.1	112	6.6	-	0.74	76	36.9	86.1	< 0.001	**0.0029**
	POL-5-12M	2014 09 08	148	7.3	8.01	8.1	12.8	314	207	17.2	5.46	0.168	393	27.8	**197**	-	1.88	105	60.8	101	0.0328	***0.0366***
	POL-5-0M	2014 09 17	114	***8.9***	8.26	14.6	0.57	227	152	< 3	6.51	0.354	10.7	< 5	3.9	-	0.67	77	34.9	84.9	< 0.001	**0.0039**
	POL-5-11M	2014 09 17	133	7.72	8.11	8	2.62	284	183	3.1	5.71	0.718	200	74	**138**	-	1.46	102	51.9	95	0.003	0.0072
POL-5	POL-5-0M	2014 09 23	109	***8.63***	8.36	14.84	0.69	230	153	< 3	6.61	0.443	< 5	< 5	< 1	-	0.66	77	35.1	85.9	< 0.001	**0.004**
	POL-5-11M	2014 09 23	135	7.47	8.02	8.45	5.79	308	199	6.6	5.55	0.862	344	13.9	**145**	-	1.75	111	58.6	99	0.0171	***0.0247***
	POL-5X-11M	2014 09 23	134	7.47	7.95	8.45	5.62	308	204	6.3	5.42	0.879	344	12	**144**	-	1.78	113	59.2	98.8	0.0184	***0.0251***
	QA/QC RPD %		< 1	0	< 1	0	3	0	3	*	2	2	0	*	< 1	-	*	*	1	< 1	7	2
POL-6	POL-6-0M	2014 09 09	107	***8.56***	8.42	14.6	1.53	212	140	< 3	6.08	0.365	10.6	< 5	2.5	-	< 0.5	68	31.5	82.9	< 0.001	0.0053
	POL-6-14M	2014 09 09	144	7.38	8.01	8.2	11.1	321	216	12.6	5.23	0.976	474	43.4	**121**	-	1.97	115	63.4	103	0.0291	***0.0366***
	POL-6-14M	2014 09 16	144	6.94	8.03	8.3	5.29	309	200	4.4	5.36	0.905	309	70.4	**221**	-	1.88	108	61	96.7	0.001	0.0053
	POL-6-0M	2014 09 16	115	***8.56***	8.24	14.1	0.97	227	152	< 3	6.7	0.345	< 5	< 5	2.3	-	0.65	72	34.1	85.7	< 0.001	**0.0038**
	POL-6-14M	2014 09 23	139	7.34	8	8.51	3.93	324	204	5.1	5.49	0.929	360	31.5	**215**	-	1.9	117	62.2	100	0.0208	***0.0274***
	POL-6-10M	2014 09 23	109	7.42	8.37	8.55	0.72	233	156	3.6	6.27	0.363	< 5	< 5	< 1	-	0.68	78	35.4	86.4	< 0.001	0.005
P1	P1-0M	2014 09 09	114	7.85	8.21	17.8	1.23	237	152	< 3	5.77	0.514	42.9	84.9	**31**	-	0.8	77	38.2	87.7	< 0.001	**0.0047**
	P1-27M	2014 09 09	153	7.12	7.92	8.2	18.4	337	218	18.5	5.62	1.38	995	< 5	< 1	-	2.1	115	64.9	113	0.0543	***0.063***
	P1-27M	2014 09 16	155	6.95	8.04	8.2	12.3	337	219	7.1	6.26	1.35	921	< 5	< 1	-	2.11	123	64.5	113	0.0452	***0.0406***
	P1-0M	2014 09 16	114	***6.49***	8.22	15.6	0.56	229	157	< 3	6.64	0.344	14.4	< 5	6.5	-	0.67	72	35	85.5	< 0.001	**0.0037**
	P1X-0M	2014 09 16	115	***6.49***	8.24	15.6	0.89	231	156	< 3	6.52	0.344	14.1	< 5	6.3	-	0.67	72	35	85.8	< 0.001	**0.0038**
	QA/QC RPD %		< 1	0	< 1	0	46	< 1	< 1	*	2	0	*	*	3		*	*	0	< 1	*	*
	P1-0M	2014 09 23	109	***8.59***	8.37	14.68	0.79	230	156	< 3	6.46	0.452	< 5	< 5	< 1	-	0.67	77	35.1	86.5	< 0.001	0.005
	P1-27M	2014 09 23	145	7.18	7.93	8.23	11.1	342	220	12	5.9	1.38	932	< 5	< 1	-	2.06	114	63.6	114	0.0858	***0.092***

Associated ALS files: L1499194, L1499709, L1499935, L1499939, L1501501, L1501541, L1502406, L1503046, L1503928, L1503934, L1503943, L1504261, L1504997, L1505933, L1506592, L1509578, L1513384, L1514740, L1515526, L1516318, L1518999, L1519829, L1519910, L1522666.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and or Temperature or Hardness or Chloride.

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

[k] Based on a change from background at any one time. Prebreach range (Minnow, 2014) 0.54-2.73 NTU and <3-5.5 mg/L TSS.

TABLE 3a: Summary of Analytical Results for Mount Polley, Polley Lake - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																											
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Standards																														
BCWQG Aquatic Life (AW)[b,c]			100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
POL-4	POL-4(11:03)	2014 08 08	7.9	32.2	< 30	4.84	2.3	0.398	4.52	< 0.1	0.6	6.85	< 0.1	19	< 0.01	< 0.5	< 0.1	2.19	< 0.05	< 0.5	-	2.27	< 0.5	0.58	< 0.01	< 0.01	< 10	0.101	1.1	< 3
	POL-4(11:23)	2014 08 08	8.5	32.2	< 30	4.85	3.36	0.404	4.48	< 0.1	0.6	6.58	< 0.1	19	< 0.01	< 0.5	< 0.1	2.24	< 0.05	< 0.5	-	2.25	< 0.5	0.58	< 0.01	< 0.01	< 10	0.098	1.1	< 3
	POL-4	2014 08 09	6.4	31.9	< 30	4.72	0.481	0.413	4.31	< 0.1	0.57	6.88	< 0.1	20	< 0.01	< 0.5	< 0.1	1.77	< 0.05	< 0.5	-	2.34	< 0.5	0.54	< 0.01	< 0.01	< 10	0.112	1.1	< 3
	POL-4	2014 08 11	10.1	26.9	< 30	4.06	2.74	0.429	4.74	< 0.1	0.59	7.41	< 0.1	19	< 0.01	< 0.5	< 0.1	2.55	< 0.05	0.56	-	2.35	< 0.5	0.61	< 0.01	< 0.01	< 10	0.092	1.2	< 3
	POL-4	2014 08 12	10.2	30.3	< 30	4.58	0.324	0.448	4.78	< 0.1	0.7	7.54	< 0.1	19	< 0.01	< 0.5	< 0.1	2.28	< 0.05	0.51	-	2.34	< 0.5	0.55	< 0.01	< 0.01	< 10	0.099	1.3	< 3
	POL-4X	2014 08 12	9.7	30.9	< 30	4.71	0.329	0.383	4.54	< 0.1	0.58	7.06	< 0.1	21	< 0.01	< 0.5	< 0.1	2.27	< 0.05	< 0.5	-	2.52	< 0.5	0.57	< 0.01	< 0.01	< 10	0.106	1.1	< 3
	QA/QC RPD %		*	2	*	3	2	16	5	*	19	7	*	*	*	*	*	*	*	*	-	7	*	*	*	*	*	7	*	*
	POL-4	2014 08 13	12.4	31	< 30	4.99	2.76	0.44	4.41	< 0.1	0.6	7.56	< 0.1	22	< 0.01	< 0.5	< 0.1	2.19	< 0.05	< 0.5	-	2.51	< 0.5	0.59	< 0.01	< 0.01	< 10	0.105	1.1	< 3
	POL-4	2014 08 14	11	31.4	< 30	4.74	0.853	0.393	4.49	< 0.1	0.62	7.11	< 0.1	22	< 0.01	< 0.5	< 0.1	2.19	< 0.05	< 0.5	-	2.52	< 0.5	0.53	< 0.01	< 0.01	< 10	0.109	1.2	< 3
	POL-4	2014 08 15	8.8	31.3	< 30	4.77	2.03	0.413	4.48	< 0.1	0.6	6.85	< 0.1	19	< 0.01	< 0.5	< 0.1	2.2	< 0.05	< 0.5	-	2.53	< 0.5	0.62	< 0.01	< 0.01	< 10	0.097	1.1	< 3
	POL-4	2014 08 16	8.5	31.9	< 30	4.85	2.94	0.435	4.32	< 0.1	0.58	7.13	< 0.1	17	< 0.01	< 0.5	< 0.1	2.13	< 0.05	< 0.5	-	2.4	< 0.5	0.58	< 0.01	< 0.01	< 10	0.094	1.1	< 3
	POL-4	2014 08 17	8.9	32.5	< 30	4.84	2.59	0.453	4.58	< 0.1	0.61	7.2	< 0.1	21	< 0.01	< 0.5	< 0.1	2.76	< 0.05	< 0.5	-	2.67	< 0.5	0.57	< 0.01	< 0.01	< 10	0.102	1.1	< 3
	POL-4	2014 08 18	10.3	32	< 30	4.74	0.493	0.441	4.59	< 0.1	0.61	7.45	< 0.1	20	< 0.01	< 0.5	< 0.1	2.12	< 0.05	< 0.5	-	2.64	< 0.5	0.58	< 0.01	< 0.01	< 10	0.107	1.2	< 3
	POL-4	2014 08 19	8.7	33.2	< 30	4.94	22.4	0.576	4.57	< 0.1	0.63	7.76	< 0.1	21	< 0.01	< 0.5	< 0.1	2.19	< 0.05	< 0.5	-	2.87	< 0.5	0.62	< 0.01	< 0.01	< 10	0.104	1.1	< 3
	POL-4	2014 08 20	8.7	33.3	< 30	4.89	6.36	0.53	4.67	< 0.1	0.66	7.88	< 0.1	18	< 0.01	< 0.5	< 0.1	2.3	< 0.05	< 0.5	-	2.76	< 0.5	0.63	< 0.01	< 0.01	< 10	0.105	1.1	< 3
	POL-4	2014 08 21	8.8	32.4	< 30	4.82	1.64	0.439	4.67	< 0.1	0.62	7.38	< 0.1	20	< 0.01	< 0.5	< 0.1	2.16	< 0.05	< 0.5	-	2.87	< 0.5	0.56	< 0.01	< 0.01	< 10	0.098	1.1	< 3
	POL-4	2014 08 27	9.3	34	< 30	5.01	7.65	0.528	4.74	< 0.1	0.62	7.96	< 0.1	18	< 0.01	< 0.5	< 0.1	2.51	< 0.05	< 0.5	-	2.93	< 0.5	0.62	0.013	< 0.01	< 10	0.111	1.1	< 3
	POL-4	2014 09 03	10.4	34.5	< 30	5.08	5.75	0.581	5.34	< 0.1	0.67	9.61	< 0.1	20	< 0.01	< 0.5	< 0.1	2.82	< 0.05	< 0.5	-	4.16	< 0.5	0.77	< 0.01	< 0.01	< 10	0.144	1.2	< 3
	POL-4	2014 09 10	6.1	40	< 30	5.32	25.1	1.01	7.32	0.18	0.92	13.4	< 0.1	24	< 0.01	< 0.5	< 0.1	2.5	< 0.05	< 0.5	-	8.58	< 0.5	1.33	< 0.01	< 0.01	< 10	0.247	1.3	< 3
	POL-4	2014 09 16	4.8	37.9	< 30	5.49	0.846	0.792	6.2	< 0.1	0.57	8.46	< 0.1	19	< 0.01	< 0.5	< 0.1	2.05	< 0.05	< 0.5	-	5.19	< 0.5	0.67	< 0.01	< 0.01	< 10	0.16	< 1	< 3
POL-5	POL-5-0M	2014 09 08	6.7	38.2	< 30	5.32	43	0.848	6.53	0.12	0.77	12.7	< 0.1	22	< 0.01	< 0.5	< 0.1	2.66	< 0.05	< 0.5	-	6.59	< 0.5	0.97	< 0.01	< 0.01	< 10	0.196	1.2	< 3
	POL-5-12M	2014 09 08	6	49.1	< 30	6.24	449	1.84	11.5	0.32	1.31	23.7	< 0.1	29	< 0.01	< 0.5	0.11	0.88	< 0.05	1.05	-	16.2	< 0.5	1.98	< 0.01	< 0.01	< 10	0.427	1.9	< 3
	POL-5-0M	2014 09 17	7.7	36.9	< 30	5.25	1.87	0.738	5.87	0.11	0.76	11.1	< 0.1	20	< 0.01	< 0.5	< 0.1	2.87	< 0.05	< 0.5	-	5.61	< 0.5	0.86	< 0.01	< 0.01	< 10	0.165	1.2	< 3
	POL-5-11M	2014 09 17	4.6	43.6	< 30	5.79	55.8	1.39	9.3	0.24	1.03	16.9	< 0.1	26	< 0.01	< 0.5	< 0.1	1.86	< 0.05	0.87	-	12.5	< 0.5	1.51	< 0.01	< 0.01	< 10	0.317	1.4	< 3
POL-5	POL-5-0M	2014 09 23	8.3	35.8	< 30	4.77	1.56	0.742	6.2	0.11	0.76	11.1	< 0.1	22	< 0.01	< 0.5	< 0.1	2.65	< 0.05	< 0.5	-	5.67	< 0.5	0.88	< 0.01	< 0.01	< 10	0.172	1.2	< 3
	POL-5-11M	2014 09 23	4.8	44.8	< 30	5.62	400	1.68	11	0.28	1.29	21.8	< 0.1	29	< 0.01	< 0.5	< 0.1	0.83	< 0.05	0.97	-	15.5	< 0.5	1.66	< 0.01	< 0.01	< 10	0.384	1.7	< 3
	POL-5X-11M	2014 09 23	4.7	44.6	< 30	5.58	406	1.72	11.7	0.28	1.28	22	< 0.1	30	< 0.01	< 0.5	< 0.1	0.88	< 0.05	0.94	-	15.5	< 0.5	1.62	< 0.01	< 0.01	< 10	0.392	1.6	< 3
	QA/QC RPD %		*	< 1	*	< 1	2	2	6	*	< 1	< 1	*	*	*	*	*	*	*	*	-	0	*	*	*	*	*	2	*	*
POL-6	POL-6-0M	2014 09 09	**64.2**	34.8	< 30	4.95	8.23	0.606	5.37	< 0.1	0.68	9.63	< 0.1	20	< 0.01	< 0.5	< 0.1	2.7	< 0.05	< 0.5	-	4.23	< 0.5	0.7	< 0.01	< 0.01	< 10	0.144	1.2	< 3
	POL-6-14M	2014 09 09	6.3	47.6	< 30	6.16	470	1.91	12.4	0.33	1.51	24	< 0.1	31	< 0.01	< 0.5	0.12	0.76	< 0.05	1.04	-	17.6	< 0.5	1.82	< 0.01	< 0.01	< 10	0.417	1.8	< 3
	POL-6-14M	2014 09 16	5.3	47.4	< 30	6.2	375	1.7	11.4	0.32	1.26	21.7	< 0.1	25	< 0.01	< 0.5	< 0.1	0.86	< 0.05	0.98	-	16.2	< 0.5	1.88	< 0.01	< 0.01	< 10	0.411	1.8	< 3
	POL-6-0M	2014 09 16	7.7	37.5	< 30	5.23	2.89	0.698	5.91	0.1	0.71	10.7	< 0.1	18	< 0.01	< 0.5	< 0.1	2.66	< 0.05	< 0.5	-	5.24	< 0.5	0.81	< 0.01	< 0.01	< 10	0.167	1.1	< 3
	POL-6-14M	2014 09 23	5.3	46	< 30	5.73	458	1.86	12.1	0.32	1.38	23.8	< 0.1	31	< 0.01	< 0.5	< 0.1	0.72	< 0.05	1	-	16.9	< 0.5	1.9	< 0.01	< 0.01	< 10	0.411	1.9	< 3
	POL-6-10M	2014 09 23	7.2	35.9	< 30	4.77	1.52	0.774	6.46	0.11	0.76	11.4	< 0.1	22	< 0.01	< 0.5	< 0.1	2.63	< 0.05	< 0.5	-	5.79	< 0.5	0.89	< 0.01	< 0.01	< 10	0.172	1.2	< 3
P1	P1-0M	2014 09 09	7.5	37.5	< 30	5.03	40.5	0.81	6.53	0.12	0.77	11.8	< 0.1	22	< 0.01	< 0.5	< 0.1	2.57	< 0.05	< 0.5	-	6.61	< 0.5	0.93	< 0.01	< 0.01	< 10	0.202	1.2	< 3
	P1-27M	2014 09 09	5.2	50.1	**447**	6.69	705	1.89	13.2	0.12	1.82	26.1	< 0.1	33	< 0.01	< 0.5	0.15	< 0.5	< 0.05	0.98	-	16.8	< 0.5	< 0.5	< 0.01	< 0.01	< 10	0.363	1.6	< 3
	P1-27M	2014 09 16	5.2	50.8	**361**	6.95	692	1.85	12.8	< 0.1	1.8	25.7	< 0.1	28	< 0.01	< 0.5	0.16	< 0.5	< 0.05	0.91	-	16.2	< 0.5	1.25	< 0.01	< 0.01	10	0.365	1.6	< 3
	P1-0M	2014 09 16	8.2	37.1	< 30	5.08	2.73	0.726	6.14	0.1	0.73	10.6	< 0.1	18	< 0.01	< 0.5	< 0.1	2.56	< 0.05	< 0.5	-	5.54	< 0.5	0.89	< 0.01	< 0.01	< 10	0.164	1.1	< 3
	P1X-0M	2014 09 16	7.2	37.3	< 30	5.36	2.43	0.713	6.3	< 0.1	0.7	10.5	< 0.1	18	< 0.01	< 0.5	< 0.1	2.56	< 0.05	< 0.5	-	5.52	< 0.5	0.86	< 0.01	< 0.01	< 10	0.166	1.1	< 3
	QA/QC RPD %		*	< 1	*	5	12	2	3	*	4	< 1	*	*	*	*	*	0	*	*	-	< 1	*	*	*	*	*	1	*	*
	P1-0M	2014 09 23	8.9	35.7	< 30	4.77	1.61	0.764	6.58	< 0.1	0.74	11.3	< 0.1	22	< 0.01	< 0.5	< 0.1	2.77	< 0.05	< 0.5	-	5.68	< 0.5	0.89	< 0.01	< 0.01	< 10	0.167	1.2	< 3
	P1-27M	2014 09 23	5	47.8	344	6.13	802	1.94	13.4	< 0.1	1.74	26.9	< 0.1	33	< 0.01	< 0.5	0.16	< 0.5	< 0.05	0.89	-	16.4	< 0.5	0.62	< 0.01	< 0.01	< 10	0.367	1.7	< 3

Associated ALS files: L1499194, L1499709, L1499935, L1499939, L1501501, L1501541, L1502406, L1503046, L1503928, L1503934, L1503943, L1504261, L1504997, L1505933, L1506592, L1509578, L1513384, L1514740, L1515526, L1516318, L1518999, L1519829, L1519910, L1522666.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and or Temperature or Hardness or Chloride.

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

[k] Based on a change from background at any one time. Prebreach range (Minnow, 2014) 0.54-2.73 NTU and <3-5.5 mg/L TSS.

TABLE 3a: Summary of Analytical Results for Mount Polley, Polley Lake - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Metals																										
			Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bismuth (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Potassium (µg/L)	Selenium (µg/L)	Silver (µg/L)	Sodium (µg/L)	Thallium (µg/L)	Tin (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Standards																													
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.0285-0.048[d]	n/a	1 (Cr(+6))	110	9.9-16.57[d]	1,000	65.3-142.6[d]	870	1465-2248[d]	Methyl mercury analysis in progress	2,000	25-110[d]	373,000-432,000	2	0.1-3.0[d]	n/a	0.3	n/a	2,000	300	6	33-81.75[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	3.4-6.2[d]	n/a	5.9-8.9[d]	14[i]	974-1287[d]		1,000	n/a	n/a	n/a	0.05-1.5[d]	n/a	n/a	n/a	n/a	n/a	n/a	7.5-56.25[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	2	n/a	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	50	1	n/a	n/a	n/a	10	n/a	200,000	n/a	n/a	n/a	20	n/a	5,000
POL-4	POL-4(11:03)	2014 08 08	71.9	< 0.1	0.65	7.83	< 0.1	< 0.5	20	< 0.01	31,700	< 0.5	< 0.1	3.48	39	< 0.05	< 0.5	9.6	< 0.05	2.37	< 0.5	404	0.56	< 0.01	4,390	< 0.01	< 0.1	< 10	0.108	1.3	< 3
	POL-4(11:23)	2014 08 08	***267***	< 0.1	0.71	9.47	< 0.1	< 0.5	21	< 0.01	31,900	< 0.5	0.18	**4.54**	228	0.126	< 0.5	16.2	< 0.05	2.34	< 0.5	482	0.59	< 0.01	4,520	< 0.01	< 0.1	16	0.106	1.9	< 3
	POL-4	2014 08 09	59.7	< 0.1	0.62	7.86	< 0.1	< 0.5	20	< 0.01	31,800	< 0.5	< 0.1	3.21	37	< 0.05	< 0.5	15.1	< 0.05	2.37	< 0.5	434	0.55	< 0.01	4,300	< 0.01	< 0.1	< 10	0.112	1.2	< 3
	POL-4	2014 08 11	43.1	< 0.1	0.66	7.44	< 0.1	< 0.5	18	< 0.01	29,900	< 0.5	< 0.1	3.23	< 30	< 0.05	< 0.5	8.43	< 0.05	2.47	< 0.5	470	0.51	< 0.01	4,450	< 0.01	< 0.1	< 10	0.1	1.3	< 3
	POL-4	2014 08 12	35.8	< 0.1	0.68	7.59	< 0.1	< 0.5	19	< 0.01	30,800	< 0.5	< 0.1	3.06	< 30	< 0.05	< 0.5	6.52	< 0.05	2.43	< 0.5	453	0.54	< 0.01	4,650	< 0.01	< 0.1	< 10	0.101	1.3	< 3
	POL-4X	2014 08 12	41.8	< 0.1	0.67	7.63	< 0.1	< 0.5	19	< 0.01	31,300	< 0.5	< 0.1	3.02	< 30	< 0.05	< 0.5	6.02	< 0.05	2.52	< 0.5	450	0.54	< 0.01	4,520	< 0.01	< 0.1	< 10	0.105	1.3	< 3
	QA/QC RPD %		15	*	1	< 1	*	*	*	*	2	*	*	*	*	*	*	*	*	4	*	< 1	*	*	3	*	*	*	4	*	*
	POL-4	2014 08 13	30.3	< 0.1	0.62	7.73	< 0.1	< 0.5	21	< 0.01	31,000	< 0.5	< 0.1	2.88	< 30	< 0.05	< 0.5	17.8	< 0.05	2.51	< 0.5	458	0.59	< 0.01	4,540	< 0.01	< 0.1	< 10	0.109	1.3	< 3
	POL-4	2014 08 14	31.5	< 0.1	0.63	7.62	< 0.1	< 0.5	22	< 0.01	32,000	< 0.5	< 0.1	2.87	< 30	< 0.05	< 0.5	5.81	< 0.05	2.58	< 0.5	407	0.61	< 0.01	4,480	< 0.01	< 0.1	< 10	0.119	1.4	< 3
	POL-4	2014 08 15	22.3	< 0.1	0.65	7.22	< 0.1	< 0.5	20	< 0.01	31,100	< 0.5	< 0.1	2.63	< 30	< 0.05	< 0.5	6.56	-	2.62	< 0.5	439	0.57	< 0.01	4,550	< 0.01	< 0.1	< 10	0.101	1.3	< 3
	POL-4	2014 08 16	20.5	< 0.1	0.6	7.35	< 0.1	< 0.5	21	< 0.01	32,000	< 0.5	< 0.1	2.49	< 30	< 0.05	< 0.5	8.78	-	2.49	< 0.5	449	0.58	< 0.01	4,370	< 0.01	< 0.1	< 10	0.106	1.2	< 3
	POL-4	2014 08 17	23.2	< 0.1	0.62	7.56	< 0.1	< 0.5	21	< 0.01	32,900	< 0.5	< 0.1	2.62	< 30	< 0.05	< 0.5	13	-	2.65	< 0.5	468	0.58	< 0.01	4,620	< 0.01	< 0.1	< 10	0.111	1.1	< 3
	POL-4	2014 08 18	24.7	< 0.1	0.61	7.51	< 0.1	< 0.5	21	< 0.01	32,100	< 0.5	< 0.1	2.66	< 30	< 0.05	< 0.5	9.33	-	2.69	< 0.5	444	0.58	< 0.01	4,570	< 0.01	< 0.1	< 10	0.117	1.2	< 3
	POL-4	2014 08 19	81.4	< 0.1	0.65	8.89	< 0.1	< 0.5	24	< 0.01	33,300	< 0.5	< 0.1	3.19	72	< 0.05	< 0.5	26.7	-	3.09	< 0.5	599	0.62	< 0.01	4,760	< 0.01	< 0.1	< 10	0.117	1.3	< 3
	POL-4	2014 08 20	22.3	< 0.1	0.68	8.08	< 0.1	< 0.5	23	< 0.01	32,900	< 0.5	< 0.1	2.68	< 30	< 0.05	< 0.5	9.37	-	3.16	< 0.5	532	0.65	< 0.01	4,810	< 0.01	< 0.1	< 10	0.119	1.2	< 3
	POL-4	2014 08 21	26	< 0.1	0.64	8.1	< 0.1	< 0.5	22	< 0.01	33,700	< 0.5	< 0.1	2.95	< 30	< 0.05	< 0.5	7.27	-	3.17	< 0.5	471	0.67	< 0.01	4,810	< 0.01	< 0.1	< 10	0.115	1.3	< 3
	POL-4	2014 08 27	25.2	< 0.1	0.69	8.25	< 0.1	< 0.5	23	< 0.01	33,300	< 0.5	< 0.1	3.02	< 30	< 0.05	< 0.5	10.8	-	3.16	< 0.5	562	0.62	0.03	4,720	< 0.01	< 0.1	< 10	0.12	1.3	< 3
	POL-4	2014 09 03	23.7	< 0.1	0.67	10.1	< 0.1	< 0.5	23	< 0.01	34,000	< 0.5	< 0.1	3.47	< 30	< 0.05	< 0.5	12.2	< 0.01	4.47	< 0.5	605	0.76	< 0.01	5,470	< 0.01	< 0.1	< 10	0.149	1.2	< 3
	POL-4	2014 09 10	38.5	0.18	0.88	14.4	< 0.1	< 0.5	26	< 0.01	39,700	< 0.5	< 0.1	3.55	< 30	< 0.05	< 0.5	***79.1***	< 0.01	9.2	< 0.5	1,030	1.16	< 0.01	7,400	< 0.01	< 0.1	< 10	0.263	1.5	< 3
	POL-4	2014 09 16	60.1	< 0.1	0.64	9.34	< 0.1	< 0.5	20	< 0.01	36,700	< 0.5	< 0.1	3.02	111	< 0.05	< 0.5	19.8	-	5.18	< 0.5	739	0.68	< 0.01	6,000	< 0.01	< 0.1	11	0.161	1.1	< 3
POL-5	POL-5-0M	2014 09 08	37.1	0.12	0.79	12.1	< 0.1	< 0.5	22	< 0.01	36,100	< 0.5	< 0.1	3.59	< 30	< 0.05	< 0.5	***51.3***	-	6.46	< 0.5	797	0.92	< 0.01	6,390	< 0.01	< 0.1	< 10	0.2	1.3	< 3
	POL-5-12M	2014 09 08	***795***	0.34	1.53	41.8	< 0.1	< 0.5	32	0.011	48,100	< 0.5	0.36	**22.5**	***354***	0.256	1.17	***452***	-	17.2	< 0.5	2,150	1.99	< 0.01	11,700	< 0.01	< 0.1	33	0.465	3.1	< 3
	POL-5-0M	2014 09 17	22.5	0.11	0.73	10.7	< 0.1	< 0.5	21	< 0.01	35,400	< 0.5	< 0.1	3.43	< 30	< 0.05	0.56	13.1	-	5.7	< 0.5	720	0.85	< 0.01	5,580	< 0.01	< 0.1	< 10	0.17	1.2	< 3
	POL-5-11M	2014 09 17	51.8	0.23	1.02	17.2	< 0.1	< 0.5	26	< 0.01	40,800	< 0.5	< 0.1	3.49	32	< 0.05	0.91	***99.7***	-	12.3	< 0.5	1,370	1.49	< 0.01	8,920	< 0.01	< 0.1	< 10	0.325	1.6	< 3
POL-5	POL-5-0M	2014 09 23	19.6	0.13	0.79	11.2	< 0.1	< 0.5	24	< 0.01	35,300	< 0.5	< 0.1	3.18	< 30	< 0.05	< 0.5	12	-	6.13	< 0.5	760	0.87	< 0.01	6,400	< 0.01	< 0.1	< 10	0.181	1.3	< 3
	POL-5-11M	2014 09 23	***199***	0.34	1.44	26.6	< 0.1	< 0.5	33	0.012	45,500	< 0.5	0.17	**7.49**	120	0.082	1.05	***452***	-	16.7	< 0.5	1,820	1.75	< 0.01	11,500	< 0.01	< 0.1	13	0.421	2.1	< 3
	POL-5X-11M	2014 09 23	***198***	0.33	1.44	26.1	< 0.1	< 0.5	33	< 0.01	45,300	< 0.5	0.16	**7.43**	117	0.073	0.94	***447***	-	16.7	< 0.5	1,810	1.76	< 0.01	11,800	< 0.01	< 0.1	13	0.397	2.1	< 3
	QA/QC RPD %		< 1	*	0	2	*	*	*	*	< 1	*	*	*	*	*	*	*	-	0	*	< 1	*	*	3	*	*	*	6	*	*
POL-6	POL-6-0M	2014 09 09	71	< 0.1	0.73	10.9	< 0.1	< 0.5	23	< 0.01	35,500	< 0.5	< 0.1	**4.65**	50	< 0.05	< 0.5	18	-	4.65	< 0.5	624	0.71	< 0.01	5,430	< 0.01	< 0.1	10	0.15	1.4	< 3
	POL-6-14M	2014 09 09	***539***	0.32	1.6	36.7	< 0.1	< 0.5	32	< 0.01	45,600	< 0.5	0.25	**17**	207	0.191	1	***451***	-	17.5	< 0.5	2,050	1.81	< 0.01	11,900	< 0.01	< 0.1	23	0.429	2.4	< 3
	POL-6-14M	2014 09 16	***168***	0.33	1.34	26.8	< 0.1	< 0.5	28	< 0.01	47,200	< 0.5	0.11	5.65	45	0.051	1.1	***420***	-	17.3	< 0.5	1,870	1.89	< 0.01	12,300	< 0.01	< 0.1	12	0.453	2.1	< 3
	POL-6-0M	2014 09 16	45.5	0.11	0.72	11.7	< 0.1	< 0.5	21	< 0.01	37,100	< 0.5	< 0.1	3.95	32	< 0.05	< 0.5	16.4	-	5.65	< 0.5	722	0.83	< 0.01	6,180	< 0.01	< 0.1	< 10	0.178	1.2	< 3
	POL-6-14M	2014 09 23	***113***	0.34	1.42	26.1	< 0.1	< 0.5	34	< 0.01	46,000	< 0.5	0.12	5.08	45	0.072	1.09	***469***	-	18.1	< 0.5	1,910	1.89	< 0.01	12,200	< 0.01	< 0.1	11	0.426	2.1	< 3
	POL-6-10M	2014 09 23	27.5	0.14	0.84	12.2	< 0.1	< 0.5	26	< 0.01	36,900	< 0.5	< 0.1	3.47	< 30	< 0.05	< 0.5	11	-	6.62	< 0.5	807	0.92	< 0.01	6,640	< 0.01	< 0.1	< 10	0.192	1.4	< 3
P1	P1-0M	2014 09 09	32.1	0.18	0.84	13.2	< 0.1	< 0.5	25	**0.21**	37,400	< 0.5	< 0.1	3.54	< 30	0.295	< 0.5	***76.3***	-	7.46	< 0.5	860	1	< 0.01	6,500	< 0.01	< 0.1	< 10	0.218	1.4	< 3
	P1-27M	2014 09 09	***588***	0.24	2.04	39.9	< 0.1	< 0.5	36	< 0.01	47,800	< 0.5	0.34	**19.8**	***694***	0.274	0.92	***700***	-	17.1	< 0.5	2,050	0.79	< 0.01	12,600	< 0.01	< 0.1	26	0.382	2.5	3.5
	P1-27M	2014 09 16	***698***	0.23	1.92	44.6	< 0.1	< 0.5	32	< 0.01	50,800	< 0.5	0.34	**18.1**	***599***	0.23	1.18	***722***	-	17.3	< 0.5	2,240	0.85	< 0.01	13,200	< 0.01	< 0.1	32	0.39	2.6	< 3
	P1-0M	2014 09 16	19.6	0.11	0.73	10.9	< 0.1	< 0.5	21	< 0.01	37,200	< 0.5	< 0.1	3.19	< 30	< 0.05	< 0.5	13.4	-	5.84	< 0.5	752	0.88	< 0.01	6,230	< 0.01	< 0.1	< 10	0.178	1.2	< 3
	P1X-0M	2014 09 16	17.5	0.11	0.76	11	< 0.1	< 0.5	21	< 0.01	37,100	< 0.5	< 0.1	3.19	< 30	< 0.05	< 0.5	13	-	5.9	< 0.5	738	0.83	< 0.01	6,210	< 0.01	< 0.1	< 10	0.183	1.3	< 3
	QA/QC RPD %		11	*	4	< 1	*	*	*	*	< 1	*	*	*	*	*	*	*	-	1	*	2	*	*	< 1	*	*	*	3	*	*
	P1-0M	2014 09 23	20.8	0.13	0.78	11.6	< 0.1	< 0.5	25	< 0.01	36,100	< 0.5	< 0.1	**10.4**	< 30	0.414	< 0.5	12.1	-	6.26	< 0.5	765	0.9	< 0.01	6,400	< 0.01	< 0.1	< 10	0.182	1.3	5.3
	P1-27M	2014 09 23	***497***	0.23	1.96	39	< 0.1	< 0.5	37	< 0.01	48,300	< 0.5	0.29	**15.6**	***539***	0.192	1.1	***794***	-	17.4	< 0.5	2,120	0.98	< 0.01	13,300	< 0.01	< 0.1	23	0.392	2.4	< 3

Associated ALS files: L1499194, L1499709, L1499935, L1499939, L1501501, L1501541, L1502406, L1503046, L1503928, L1503934, L1503943, L1504261, L1504997, L1505933, L1506592, L1509578, L1513384, L1514740, L1515526, L1516318, L1518999, L1519829, L1519910, L1522666.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and or Temperature or Hardness or Chloride.

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

[k] Based on a change from background at any one time. Prebreach range (Minnow, 2014) 0.54-2.73 NTU and <3-5.5 mg/L TSS.

TABLE 3a: Summary of Analytical Results for Mount Polley, Polley Lake - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical Parameters									Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus[g] (mg/L)
			Hardness (mg/L)	pH (field) (pH)	pH (pH)	Temperature (field) (C)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)											
BC Standards																						
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	6.5-9.0		Change of 8[k]	n/a	n/a	Change of 25	n/a	n/a	700-5,680[d]	32,800	60-120[d]	32,800[f]	600	1264-1510[d]	n/a	n/a	n/a	0.005-0.015
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	+/-1 Degree change from ambient	Change of 2[k]	n/a	n/a	Change of 5[k]	+20% of median background	n/a	135-1,090[d]	3,000	20-40[d]	3,000[f]	150	n/a	128-309[d]	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	6.5-8.5	n/a[j]	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,500	500	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	6.5-8.5	n/a[j]	n/a[j]	n/a	500	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a
P2	P2-0M	2014 09 09	108	***8.57***	8.43	14.72	1.15	211	145	< 3	6.2	0.356	10.6	< 5	2.4	-	< 0.5	68	31.4	81.6	< 0.001	0.0053
	P2X-0M	2014 09 09	107	***8.57***	8.47	14.72	1.21	210	125	< 3	6.11	0.363	10.2	< 5	2.5	-	< 0.5	68	31.4	81.8	< 0.001	0.0051
	QA/QC RPD %		< 1	0	< 1	0	5	< 1	15	*	2	2	*	*	*		*	*	0	< 1	*	*
	P2-27M	2014 09 09	149	7.27	7.93	8.2	15.7	327	216	19.3	5.55	1.24	822	< 5	1.1	-	2.06	109	64	109	0.0409	***0.0476***
	P2-27M	2014 09 16	151	6.98	8.06	8.2	14.9	335	220	13.2	6.32	1.17	595	< 5	< 1	-	2.12	123	63.4	111	0.0406	***0.0381***
	P2-0M	2014 09 16	115	8.43	8.22	15.2	1.05	228	144	< 3	6.7	0.344	7.1	< 5	2.5	-	0.65	71	34.3	86.4	< 0.001	**0.004**
	P2-0M	2014 09 23	108	***8.56***	8.39	14.36	0.64	230	150	< 3	6.35	0.395	< 5	< 5	< 1	-	0.68	77	35.3	86.7	< 0.001	**0.0049**
	P2-27M	2014 09 23	145	7.21	8	8.2	13	336	221	7.8	5.94	1.25	816	< 5	< 1	-	2.03	116	63.1	112	0.0782	***0.0761***

Associated ALS files: L1499194, L1499709, L1499935, L1499939, L1501501, L1501541, L1502406, L1503046, L1503928, L1503934, L1503943, L1504261, L1504997, L1505933, L1506592, L1509578, L1513384, L1514740, L1515526, L1516318, L1518999, L1519829, L1519910, L1522666.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

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* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and or Temperature or Hardness or Chloride.

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

[k] Based on a change from background at any one time. Prebreach range (Minnow, 2014) 0.54-2.73 NTU and <3-5.5 mg/L TSS.

TABLE 3a: Summary of Analytical Results for Mount Polley, Polley Lake - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																										
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Standards																													
BCWQG Aquatic Life (AW)[b,c]			100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
P2	P2-0M	2014 09 09	9.1	35.2	< 30	4.98	7.75	0.586	5.24	< 0.1	0.66	9.52	< 0.1	20	< 0.01	< 0.5	< 0.1	2.68	< 0.05	< 0.5	-	4.22	< 0.5	0.72	< 0.01	< 0.01	< 10	0.139	1.1	< 3
	P2X-0M	2014 09 09	9.3	34.9	< 30	4.9	7.62	0.6	5.31	< 0.1	0.69	9.76	< 0.1	20	< 0.01	< 0.5	< 0.1	2.76	< 0.05	< 0.5	-	4.18	< 0.5	0.71	< 0.01	< 0.01	< 10	0.136	1.2	< 3
	QA/QC RPD %		*	< 1	*	2	2	2	1	*	4	3	*	*	*	*	*	3	*	*	-	< 1	*	*	*	*	*	2	*	*
	P2-27M	2014 09 09	5.1	48.9	299	6.52	620	1.87	12.6	0.12	1.78	25.6	< 0.1	33	< 0.01	< 0.5	0.14	< 0.5	< 0.05	0.98	-	17.1	< 0.5	0.5	< 0.01	< 0.01	< 10	0.391	1.6	< 3
	P2-27M	2014 09 16	4.9	49.6	232	6.71	628	1.82	12.4	< 0.1	1.69	24.9	< 0.1	28	< 0.01	< 0.5	0.14	< 0.5	< 0.05	0.95	-	16.5	< 0.5	0.99	< 0.01	< 0.01	< 10	0.382	1.5	< 3
	P2-0M	2014 09 16	8	37.3	< 30	5.33	2.79	0.714	5.93	< 0.1	0.74	10.7	< 0.1	18	< 0.01	< 0.5	< 0.1	2.64	< 0.05	< 0.5	-	5.29	< 0.5	0.84	< 0.01	< 0.01	< 10	0.166	1.1	< 3
	P2-0M	2014 09 23	8.3	35.3	< 30	4.74	1.47	0.767	6.36	0.1	0.75	11.4	< 0.1	22	< 0.01	< 0.5	< 0.1	2.67	< 0.05	< 0.5	-	6.01	< 0.5	0.86	< 0.01	< 0.01	< 10	0.172	1.2	< 3
	P2-27M	2014 09 23	5.1	48.1	245	6.16	746	1.94	13	< 0.1	1.76	26.4	< 0.1	33	< 0.01	< 0.5	0.15	< 0.5	< 0.05	0.96	-	16.8	< 0.5	0.72	< 0.01	< 0.01	< 10	0.37	1.7	< 3

Associated ALS files: L1499194, L1499709, L1499935, L1499939, L1501501, L1501541, L1502406, L1503046, L1503928, L1503934, L1503943, L1504261, L1504997, L1505933, L1506592, L1509578, L1513384, L1514740, L1515526, L1516318, L1518999, L1519829, L1519910, L1522666.

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n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and or Temperature or Hardness or Chloride.

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

[k] Based on a change from background at any one time. Prebreach range (Minnow, 2014) 0.54-2.73 NTU and <3-5.5 mg/L TSS.

TABLE 3a: Summary of Analytical Results for Mount Polley, Polley Lake - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Metals																										
			Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bismuth (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Potassium (µg/L)	Selenium (µg/L)	Silver (µg/L)	Sodium (µg/L)	Thallium (µg/L)	Tin (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Standards																													
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.0285-0.048[d]	n/a	1 (Cr(+6))	110	9.9-16.57[d]	1,000	65.3-142.6[d]	870	1465-2248[d]	Methyl mercury analysis in progress	2,000	25-110[d]	373,000-432,000	2	0.1-3.0[d]	n/a	0.3	n/a	2,000	300	6	33-81.75[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	3.4-6.2[d]	n/a	5.9-8.9[d]	14[i]	974-1287[d]		1,000	n/a	n/a	n/a	0.05-1.5[d]	n/a	n/a	n/a	n/a	n/a	n/a	7.5-56.25[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	2	n/a	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	50	1	n/a	n/a	n/a	10	n/a	200,000	n/a	n/a	n/a	20	n/a	5,000
P2	P2-0M	2014 09 09	50.4	0.11	0.72	10	< 0.1	< 0.5	21	< 0.01	34,700	< 0.5	< 0.1	4.15	36	< 0.05	< 0.5	16.6	-	4.43	< 0.5	604	0.75	< 0.01	5,240	< 0.01	< 0.1	< 10	0.147	1.3	< 3
	P2X-0M	2014 09 09	47.4	< 0.1	0.67	9.62	< 0.1	< 0.5	22	< 0.01	35,100	< 0.5	< 0.1	3.96	37	< 0.05	< 0.5	15.8	-	4.48	< 0.5	568	0.76	< 0.01	5,110	< 0.01	< 0.1	< 10	0.15	1.2	< 3
	QA/QC RPD %		6	*	7	4	*	*	*	*	1	*	*	*	*	*	*	*	-	1	*	6	*	*	3	*	*	*	2	*	*
	P2-27M	2014 09 09	***727***	0.24	2.04	42.9	< 0.1	< 0.5	36	< 0.01	49,700	< 0.5	0.33	**21**	***577***	0.257	1.12	***646***	-	18.3	< 0.5	2,250	0.85	< 0.01	13,300	< 0.01	< 0.1	30	0.411	2.7	< 3
	P2-27M	2014 09 16	***809***	0.28	1.96	46.9	< 0.1	< 0.5	32	0.01	50,000	< 0.5	0.34	**19.9**	***519***	0.261	1.34	***651***	-	17.4	< 0.5	2,280	0.87	< 0.01	13,100	< 0.01	< 0.1	33	0.42	2.6	< 3
	P2-0M	2014 09 16	39.8	0.11	0.74	11.1	< 0.1	< 0.5	21	< 0.01	36,800	< 0.5	< 0.1	4.06	< 30	< 0.05	< 0.5	15.9	-	5.82	< 0.5	722	0.87	< 0.01	6,100	< 0.01	< 0.1	< 10	0.178	1.3	< 3
	P2-0M	2014 09 23	22.3	0.13	0.75	11.2	< 0.1	< 0.5	24	0.011	35,600	< 0.5	< 0.1	3.42	< 30	< 0.05	< 0.5	12.2	-	6.07	< 0.5	756	0.88	< 0.01	6,460	< 0.01	< 0.1	< 10	0.182	1.3	< 3
	P2-27M	2014 09 23	***552***	0.23	1.96	40.2	< 0.1	< 0.5	36	0.01	47,200	< 0.5	0.32	**16.1**	***434***	0.198	1.08	***762***	-	17.8	< 0.5	2,230	0.98	< 0.01	13,100	< 0.01	< 0.1	24	0.398	2.6	< 3

Associated ALS files: L1499194, L1499709, L1499935, L1499939, L1501501, L1501541, L1502406, L1503046, L1503928, L1503934, L1503943, L1504261, L1504997, L1505933, L1506592, L1509578, L1513384, L1514740, L1515526, L1516318, L1518999, L1519829, L1519910, L1522666.

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SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

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SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

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[d] Guideline varies with pH, and or Temperature or Hardness or Chloride.

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

[k] Based on a change from background at any one time. Prebreach range (Minnow, 2014) 0.54-2.73 NTU and <3-5.5 mg/L TSS.

TABLE 3b: Summary of Analytical Results for Mount Polley, Polley Lake - Blanks DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical Parameters									Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus[g] (mg/L)
			Hardness (mg/L)	pH (field) (pH)	pH (pH)	Temperature (field) (C)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)											
BC Standards																						
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	6.5-9.0	+/-1 Degree change from ambient	Change of 8[k]	n/a	n/a	Change of 25	n/a	n/a	700-5,680[d]	32,800	60-120[d]	32,800[f]	600	1264-1510[d]	n/a	n/a	n/a	0.005-0.015
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a		Change of 2[k]	n/a	n/a	Change of 5[k]	+20% of median background	n/a	135-1,090[d]	3,000	20-40[d]	3,000[f]	150	n/a	128-309[d]	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	6.5-8.5	n/a[j]	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,500	500	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	6.5-8.5	n/a[j]	n/a[j]	n/a	500	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a
POL-EQUIPMENT BLANK	VAN1B	2014 09 09	< 0.5	-	***5.94***	-	0.2	< 2	< 10	< 3	< 0.5	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
POL-FIELD BLANK	FIELD BLANK (OPENED AT POL-4)	2014 08 20	< 0.5	-	***5.96***	-	< 0.1	< 2	< 10	< 3	-	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	POL-3-FB	2014 09 16	-	-	***5.64***	-	< 0.1	< 2	< 10	< 3	< 0.5	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
TRIP BLANK	TRIP BLANK	2014 08 13	-	-	***5.6***	-	< 0.1	< 2	< 10	< 3	-	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
	TRIP BLANK	2014 09 09	< 0.5	-	***5.44***	-	< 0.1	< 2	< 10	< 3	-	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]

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SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

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[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

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[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

[k] Based on a change from background at any one time. Prebreach range (Minnow, 2014) 0.54-2.73 NTU and <3-5.5 mg/L TSS.

TABLE 3b: Summary of Analytical Results for Mount Polley, Polley Lake - Blanks DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																										
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Standards																													
BCWQG Aquatic Life (AW)[b,c]			100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c]			50[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
POL-EQUIPMENT BLANK	VAN1B	2014 09 09	< 3	< 0.05	< 30	< 0.1	0.428	< 0.05	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 10	< 0.01	< 0.5	< 0.1	< 0.5	< 0.05	< 0.5	-	< 0.05	< 0.5	< 0.5	< 0.01	< 0.01	< 10	< 0.01	< 1	< 3
POL-FIELD BLANK	FIELD BLANK (OPENED AT POL-4)	2014 08 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	POL-3-FB	2014 09 16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRIP BLANK	TRIP BLANK	2014 08 13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TRIP BLANK	2014 09 09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and or Temperature or Hardness or Chloride.

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

[k] Based on a change from background at any one time. Prebreach range (Minnow, 2014) 0.54-2.73 NTU and <3-5.5 mg/L TSS.

TABLE 3b: Summary of Analytical Results for Mount Polley, Polley Lake - Blanks DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Metals																												
			Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bismuth (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Potassium (µg/L)	Selenium (µg/L)	Silver (µg/L)	Sodium (µg/L)	Thallium (µg/L)	Tin (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Standards																															
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.0285-0.048[d]	n/a	1 (Cr(+6))	110	9.9-16.57[d]	1,000	65.3-142.6[d]	870	1465-2248[d]	Methyl mercury analysis in progress	2,000	25-110[d]	373,000-432,000	2	0.1-3.0[d]	n/a	0.3	n/a	2,000	300	6	33-81.75[d]
BCWQG Aquatic Life (30day) (AW)[b,c]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	3.4-6.2[d]	n/a	5.9-8.9[d]	14[i]	974-1287[d]		1,000	n/a	n/a	n/a	0.05-1.5[d]	n/a	n/a	n/a	n/a	n/a	n/a	7.5-56.25[d]
BCWQG Drinking Water (DW)			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	2	n/a	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	50	1	n/a	n/a	n/a	10	n/a	200,000	n/a	n/a	n/a	20	n/a	5,000
POL-EQUIPMENT BLANK	VAN1B	2014 09 09	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	0.307	-	< 0.05	< 0.5	< 50	< 0.5	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
POL-FIELD BLANK	FIELD BLANK (OPENED AT POL-4)	2014 08 20	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	POL-3-FB	2014 09 16	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
TRIP BLANK	TRIP BLANK	2014 08 13	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 0.05	< 0.05	< 0.05	< 0.5	< 50	< 0.5	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3
	TRIP BLANK	2014 09 09	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 0.05	-	< 0.05	< 0.5	< 50	< 0.5	< 0.01	< 50	< 0.01	< 0.1	< 10	< 0.01	< 1	< 3

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and or Temperature or Hardness or Chloride.

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] The total phosphorus guideline is a measure of lake productivity and is based on spring overturn or an average of summer samples and is not applicable to single sample results at this point in time.

[h] Calculated based on an individual sample basis, not average of 30 day results.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

[k] Based on a change from background at any one time. Prebreach range (Minnow, 2014) 0.54-2.73 NTU and <3-5.5 mg/L TSS.

TABLE 3d: Summary of Analytical Results for Mount Polley, Polley Lake - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Chlorophyll A (ug/L)
BC Standards			
BCWQG Aquatic Life (AW)[a,b]			50mg/m^2/100mg/m^2
BCWQG Drinking Water (DW)[a,b]			n/a
Canadian Drinking Water Quality (DW)[c]			n/a
P1	P1-0M	2014 09 09	6.64
P2	P2-0M	2014 09 09	5.62
	P2X-0M	2014 09 09	5.36
	QA/QC RPD %		5
POL-6	POL-6-0M	2014 09 09	5.23

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[b] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[c] Health Canada Drinking Water Guidelines, 2012.

TABLE 4a: Summary of Analytical Results for Mount Polley, Hazeltine Creek - Surface Water DRAFT

			Physical Parameters									Total Inorganics										
Sample Location	Sample ID	Sample Date (yyyy mm dd)	Hardness (mg/L)	pH (field) (pH)	pH (pH)	Temperature (field) (C)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)	Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus (mg/L)
BC Standards																						
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	6.5-9.0		Change of 8	n/a	n/a	Change of 25	n/a	n/a	700-24,500[d]	32,800	60-600[d]	32,800[f]	600	1324-1982[d]	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	+/-1 Degree change from ambient[g]	Change of 2[k]	n/a	n/a	Change of 5[k]	+20% of median background	n/a	135-17,700[d]	3,000	20-200[d]	3,000[f]	150	n/a	128-429[d]	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	6.5-8.5	n/a[j]	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,000	500	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	6.5-8.5	n/a[j]	n/a[j]	n/a	500	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a
HAD-1	HAD-1	2014 08 10	99	***8.96***	***8.68***	19.8	5.24	198	140	10.7	6.82	0.378	< 5	< 5	< 1	-	< 0.5	64	27.5	71.8	< 0.001	0.0056
	HAD-1	2014 08 10	100	***9.08***	***8.86***	21.3	2.75	193	138	< 3	6.58	0.361	< 5	< 5	< 1	-	< 0.5	65	27.4	74.7	< 0.001	0.0075
	HAD-1	2014 08 11	102	***8.94***	8.50	21.1	2.16	199	139	< 3	6.77	0.366	< 5	< 5	< 1	-	< 0.5	62	27.4	74.4	< 0.001	0.0056
	HAD-1	2014 08 12	99.9	***8.99***	***8.65***	20.5	2.64	198	148	< 3	6.12	0.348	< 5	< 5	< 1	-	< 0.5	63	27.2	74.7	< 0.001	0.0061
	HAD-1	2014 08 13	97.4	***9.11***	***8.80***	21.2	1.5	194	135	< 3	6.32	0.386	6.7	< 5	< 1	-	< 0.5	65	27.3	73.9	0.0011	0.0053
	HAD-1	2014 08 14	99	***9.00***	***8.59***	21.5	1.24	200	131	< 3	6.45	0.341	< 5	< 5	< 1	-	< 0.5	63	27.4	76.2	< 0.001	0.0048
	HAD-1	2014 08 15	99.1	***8.79***	8.43	22.3	1.25	201	136	< 3	6.39	0.37	< 5	< 5	< 1	< 5.1	< 0.5	81	27.3	75	< 0.001	0.0057
	HAD-1	2014 08 16	101	***8.67***	8.26	20.4	3.21	203	141	4.5	6.71	0.363	< 5	< 5	< 1	< 5.1	< 0.5	67	27.6	75.2	< 0.001	0.0058
	HAD-1X	2014 08 16	102	***8.67***	8.21	20.4	3.04	203	138	3.4	6.73	0.371	< 5	< 5	< 1	< 5.1	< 0.5	69	27.5	74.8	< 0.001	0.0061
	QA/QC RPD %		< 1	0	< 1	0	5	0	2	*	< 1	2	*	*	*	*	*	*	< 1	< 1	*	*
	HAD-1	2014 08 17	97.9	***8.79***	8.21	20.5	2.95	201	141	< 3	6.57	0.352	< 5	< 5	< 1	-	< 0.5	69	27.5	75	< 0.001	0.0068
	HAD-1	2014 08 18	100	***8.65***	8.37	21.0	1.51	201	135	< 3	7.37	0.425	5.7	< 5	< 1	-	< 0.5	67	27.4	76.1	< 0.001	0.0064
	HAD-1	2014 08 19	98	***8.72***	8.28	20.7	1.52	200	105	< 3	7.02	0.372	< 5	< 5	< 1	-	< 0.5	75	26.8	76.3	< 0.001	0.0059
	HAD-1	2014 08 20	102	***8.72***	8.21	20.7	7.79	201	139	8.5	6.45	0.364	< 5	< 5	< 1	-	< 0.5	63	26.8	76	< 0.001	0.0062
	HAD-1	2014 08 21	101	-	8.32	-	5.14	200	141	4	6.29	0.34	< 5	< 5	< 1	-	< 0.5	65	27.5	74.8	< 0.001	0.0046
	HAD-1	2014 08 22	103	***8.58***	8.29	-	4.33	200	131	4.2	6.61	0.349	< 5	< 5	< 1	-	< 0.5	66	27.5	75.2	< 0.001	0.0069
	HAD-1	2014 08 24	104	8.22	8.11	18.2	7.44	207	140	7.8	6.95	0.354	< 5	< 5	< 1	-	< 0.5	69	27.2	77.7	0.0012	0.0036
	HAD-1	2014 08 26	106	***8.66***	8.47	17.6	1.14	204	130	< 3	6.2	0.364	7.6	10.4	< 1	-	< 0.5	67	29.5	77	< 0.001	0.0044
	HAD-1	2014 08 28	108	***8.78***	8.33	18.2	1.08	209	132	< 3	6.88	0.335	5	< 5	< 1	-	< 0.5	67	28.9	76.8	0.001	0.0075
	HAD-1	2014 08 30	103	8.25	8.16	17.3	4.03	210	130	5.4	7.06	0.362	< 5	< 5	< 1	-	< 0.5	72	29.5	77.3	< 0.001	0.0058
	HAD-1	2014 08 31	104	***8.57***	8.29	16.9	1.3	209	137	3.3	6.52	0.35	9	6.6	< 1	-	< 0.5	69	29.5	77.3	0.0011	0.0047
	HAD-1	2014 09 01	105	8.28	8.14	16.6	2.36	208	131	4.3	6.52	0.37	5.6	5.9	< 1	-	< 0.5	66	29.5	77	< 0.001	0.0045
	HAD-1	2014 09 02	106	***8.57***	8.1	16.6	1.24	212	142	< 3	6.64	0.347	< 5	< 5	< 1	-	< 0.5	65	29.5	78.1	< 0.001	0.004
	HAD-1	2014 09 10	107	***8.66***	8.26	14.9	1.45	218	141	6.4	6.29	0.343	9.8	< 5	3.2	-	0.52	71	31.7	84.8	< 0.001	0.0052
	HAD-01	2014 09 20	112	***8.93***	8.38	14.7	1.13	230	145	< 3	6.64	0.37	< 5	< 5	< 1	-	0.67	76	34.9	86.8	< 0.001	0.0045
HAD-2	HAD-2	2014 08 30	104	8.14	8.15	17.3	4.41	211	137	3.9	6.73	0.359	< 5	< 5	< 1	-	< 0.5	71	29.4	78.8	< 0.001	0.0049
	HAD-2	2014 08 31	104	***8.67***	8.34	17.0	1.5	208	137	3.6	6.53	0.357	7.4	6.4	< 1	-	< 0.5	71	29.7	78.4	< 0.001	0.0046
	HAD-2	2014 09 01	106	8.37	8.25	16.2	2.56	208	136	< 3	6.62	0.348	5.1	< 5	< 1	-	< 0.5	66	29.4	77.6	< 0.001	0.0045
	HAD-2	2014 09 02	105	***8.57***	8.21	16.6	1.63	212	140	3.1	6.21	0.346	< 5	< 5	< 1	-	< 0.5	65	29.5	78.9	< 0.001	0.0041
	HAD-2	2014 09 03	107	8.2	8.38	21.6	1.91	208	144	< 3	6.79	0.345	< 5	< 5	< 1	-	< 0.5	65	29.8	77.9	< 0.001	0.0061

Associated ALS files: L1500203, L1500608, L1501501, L1501554, L1502400, L1503098, L1503928, L1503934, L1503943, L1504261, L1504997, L1505933, L1506592, L1506998, L1507958, L1507977, L1508649, L1509589, L1509671, L1510294, L1510298, L1510307, L1510744, L1511205, L1511213, L1511248, L1511774, L1511886, L1511905, L1512696, L1513375, L1509636, L1512755, L1513819, L1514720, L1514721, L1517427, L1518126, L1518270, L1518273, L1519004, L1519926, L1516311, L1520448, L1520934, L1522031, L1522038, L1522609, L1523559.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and or Temperature or Hardness or Chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] Stream criteria applies to deviation from optimum fish species temperature range. In this case, a reference to ambient is made since the background range (Minnow, 2014) is ~0-20.8°C (upper Hazeltine Creek).

[h] Calculated based on an individual sample basis, not average result basis.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

[k] Based on a change from background at any one time. Prebreach range (Minnow, 2014) 0.34-6.99 NTU and <3-18 mg/L TSS.

TABLE 4a: Summary of Analytical Results for Mount Polley, Hazeltine Creek - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																										
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Standards																													
BCWQG Aquatic Life (AW)[b,c]			100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
HAD-1	HAD-1	2014 08 10	14.8	31.6	< 30	4.85	5.48	0.458	4.4	< 0.1	0.61	10.9	< 0.1	19	< 0.01	< 0.5	< 0.1	3.4	< 0.05	< 0.5	2.84	< 0.5	0.56	< 0.01	< 0.01	< 10	0.11	1.1	< 3
	HAD-1	2014 08 10	13.9	32.3	< 30	4.81	4.56	0.444	4.52	< 0.1	0.6	11	< 0.1	19	< 0.01	< 0.5	< 0.1	3.19	< 0.05	< 0.5	2.77	< 0.5	0.55	< 0.01	< 0.01	< 10	0.099	1.2	< 3
	HAD-1	2014 08 11	10.4	32.5	< 30	4.97	2.44	0.407	4.25	< 0.1	0.53	8.45	< 0.1	21	< 0.01	< 0.5	< 0.1	2.49	< 0.05	< 0.5	2.68	< 0.5	0.58	< 0.01	< 0.01	< 10	0.106	1.1	< 3
	HAD-1	2014 08 12	9.5	32	< 30	4.85	1.4	0.356	4.14	< 0.1	0.53	7.48	< 0.1	22	< 0.01	< 0.5	< 0.1	2.15	< 0.05	< 0.5	2.62	< 0.5	0.59	< 0.01	< 0.01	< 10	0.107	1.1	< 3
	HAD-1	2014 08 13	10	31.2	< 30	4.73	0.282	0.397	4.43	< 0.1	0.58	7.67	< 0.1	20	< 0.01	< 0.5	< 0.1	2.41	< 0.05	< 0.5	2.41	< 0.5	0.53	< 0.01	< 0.01	< 10	0.098	1.2	< 3
	HAD-1	2014 08 14	8.9	31.9	< 30	4.67	0.224	0.388	4.48	< 0.1	0.6	7.51	< 0.1	22	< 0.01	< 0.5	< 0.1	2.19	< 0.05	< 0.5	2.63	< 0.5	0.57	< 0.01	< 0.01	< 10	0.113	1.1	< 3
	HAD-1	2014 08 15	10.1	31.7	< 30	4.86	3.31	0.434	4.59	< 0.1	0.61	7.72	< 0.1	19	< 0.01	< 0.5	< 0.1	2.51	< 0.05	< 0.5	2.51	< 0.5	0.58	< 0.01	< 0.01	< 10	0.118	1.1	< 3
	HAD-1	2014 08 16	11.1	32.4	< 30	4.9	7.12	0.463	4.43	< 0.1	0.62	8.52	< 0.1	18	< 0.01	< 0.5	< 0.1	2.77	< 0.05	< 0.5	2.59	< 0.5	0.59	< 0.01	< 0.01	< 10	0.101	1.1	< 3
	HAD-1X	2014 08 16	10.9	32.6	< 30	4.92	7.97	0.477	4.47	< 0.1	0.6	8.45	< 0.1	18	< 0.01	< 0.5	< 0.1	2.67	< 0.05	< 0.5	2.52	< 0.5	0.57	< 0.01	< 0.01	< 10	0.102	1.1	< 3
	QA/QC RPD %		*	< 1	*	< 1	11	3	< 1	*	3	< 1	*	*	*	*	*	4	*	*	3	*	*	*	*	*	< 1	*	*
	HAD-1	2014 08 17	10.4	31.5	< 30	4.7	0.578	0.467	4.56	< 0.1	0.57	8.05	< 0.1	21	< 0.01	< 0.5	< 0.1	2.65	< 0.05	< 0.5	2.66	< 0.5	0.54	< 0.01	< 0.01	< 10	0.106	1.1	< 3
	HAD-1	2014 08 18	10	32.2	< 30	4.78	4.26	0.463	4.43	< 0.1	0.57	8.29	< 0.1	20	< 0.01	< 0.5	< 0.1	2.41	< 0.05	< 0.5	2.62	< 0.5	0.52	< 0.01	< 0.01	< 10	0.108	1.1	< 3
	HAD-1	2014 08 19	10.8	31.5	< 30	4.71	7.21	0.465	4.44	< 0.1	0.61	8.15	< 0.1	20	< 0.01	< 0.5	< 0.1	2.44	< 0.05	< 0.5	2.6	< 0.5	0.57	< 0.01	< 0.01	< 10	0.1	1.2	< 3
	HAD-1	2014 08 20	15.1	32.7	< 30	4.85	4.9	0.478	4.52	< 0.1	0.61	9.04	< 0.1	19	< 0.01	< 0.5	< 0.1	3.31	< 0.05	< 0.5	2.62	< 0.5	0.58	< 0.01	< 0.01	< 10	0.105	1.1	< 3
	HAD-1	2014 08 21	13.5	32.3	< 30	4.9	0.453	0.467	4.57	< 0.1	0.59	8.23	< 0.1	20	< 0.01	< 0.5	< 0.1	2.99	< 0.05	< 0.5	2.61	< 0.5	0.55	< 0.01	< 0.01	< 10	0.103	1	< 3
	HAD-1	2014 08 22	10.7	33.1	< 30	4.91	3.02	0.48	4.66	< 0.1	0.63	8.69	< 0.1	20	< 0.01	< 0.5	< 0.1	2.92	< 0.05	< 0.5	2.66	< 0.5	0.57	< 0.01	< 0.01	< 10	0.104	1.1	< 3
	HAD-1	2014 08 24	15.1	33.5	< 30	4.92	3.04	0.532	4.69	< 0.1	0.67	9.76	< 0.1	18	< 0.01	< 0.5	< 0.1	3.71	< 0.05	< 0.5	2.79	< 0.5	0.56	< 0.01	< 0.01	< 10	0.107	1.1	< 3
	HAD-1	2014 08 26	31.5	34.4	< 30	4.98	4.05	0.675	5	< 0.1	0.63	9.06	< 0.1	19	0.014	< 0.5	< 0.1	3.59	0.078	< 0.5	4.53	< 0.5	0.63	< 0.01	< 0.01	< 10	0.117	1.1	56.5
	HAD-1	2014 08 28	10.9	34.7	< 30	5.07	2.33	0.495	4.96	< 0.1	0.65	8.74	< 0.1	21	< 0.01	< 0.5	< 0.1	2.82	< 0.05	< 0.5	2.98	< 0.5	0.69	< 0.01	< 0.01	< 10	0.116	1.1	< 3
	HAD-1	2014 08 30	15.1	32.9	< 30	4.96	4.24	0.61	5.23	< 0.1	0.73	10.3	< 0.1	19	0.015	< 0.5	< 0.1	4.25	< 0.05	< 0.5	3.61	< 0.5	0.65	< 0.01	< 0.01	< 10	0.132	1.1	< 3
	HAD-1	2014 08 31	10.5	33.4	< 30	4.97	1.97	0.551	4.83	< 0.1	0.66	9.34	< 0.1	20	< 0.01	< 0.5	< 0.1	2.82	< 0.05	< 0.5	3.52	< 0.5	0.71	< 0.01	< 0.01	< 10	0.119	1.1	< 3
	HAD-1	2014 09 01	10	34	< 30	5.02	3.07	0.56	4.86	< 0.1	0.65	9.35	< 0.1	20	< 0.01	< 0.5	< 0.1	3.01	< 0.05	< 0.5	3.39	< 0.5	0.69	< 0.01	< 0.01	< 10	0.119	1.1	< 3
	HAD-1	2014 09 02	11.3	34	< 30	5.02	2.68	0.543	5.02	< 0.1	0.68	9.06	< 0.1	19	< 0.01	< 0.5	< 0.1	2.89	< 0.05	< 0.5	3.41	< 0.5	0.77	< 0.01	< 0.01	< 10	0.126	1.1	< 3
	HAD-1	2014 09 10	10	34.6	< 30	4.93	8.61	0.639	5.38	< 0.1	0.72	10	< 0.1	21	< 0.01	< 0.5	< 0.1	2.82	< 0.05	< 0.5	4.47	< 0.5	0.83	< 0.01	< 0.01	< 10	0.146	1.2	< 3
	HAD-01	2014 09 20	7.8	36.7	< 30	4.92	1.84	0.748	6.1	0.11	0.78	11.1	< 0.1	20	< 0.01	< 0.5	< 0.1	2.87	< 0.05	0.53	5.25	1.19	0.94	< 0.01	< 0.01	< 10	0.172	1.2	< 3
HAD-2	HAD-2	2014 08 30	12.4	33.4	< 30	4.96	3.96	0.593	5.2	< 0.1	0.69	10.1	< 0.1	19	< 0.01	< 0.5	< 0.1	3.85	< 0.05	< 0.5	3.53	< 0.5	0.63	< 0.01	< 0.01	< 10	0.121	1.1	< 3
	HAD-2	2014 08 31	10.9	33.5	< 30	5.02	2.71	0.553	4.9	< 0.1	0.67	9.4	< 0.1	20	< 0.01	< 0.5	< 0.1	2.93	< 0.05	< 0.5	3.5	< 0.5	0.7	< 0.01	< 0.01	< 10	0.117	1.1	< 3
	HAD-2	2014 09 01	11	34	< 30	5.04	3.42	0.558	4.97	< 0.1	0.68	9.45	< 0.1	20	< 0.01	< 0.5	< 0.1	3.05	< 0.05	< 0.5	3.42	< 0.5	0.7	< 0.01	< 0.01	< 10	0.119	1.1	< 3
	HAD-2	2014 09 02	10.5	34	< 30	4.99	3.28	0.554	4.98	< 0.1	0.68	9.15	< 0.1	19	< 0.01	< 0.5	< 0.1	2.93	< 0.05	< 0.5	3.43	< 0.5	0.76	< 0.01	< 0.01	< 10	0.118	1.1	< 3
	HAD-2	2014 09 03	11.6	34.6	< 30	4.96	2.37	0.533	4.82	< 0.1	0.65	9.49	< 0.1	20	< 0.01	< 0.5	< 0.1	3.08	< 0.05	< 0.5	3.56	< 0.5	0.7	< 0.01	< 0.01	< 10	0.133	1.1	< 3

Associated ALS files: L1500203, L1500608, L1501501, L1501554, L1502400, L1503098, L1503928, L1503934, L1503943, L1504261, L1504997, L1505933, L1506592, L1506998, L1507958, L1507977, L1508649, L1509589, L1509671, L1510294, L1510298, L1510307, L1510744, L1511205, L1511213, L1511248, L1511774, L1511886, L1511905, L1512696, L1513375, L1509636, L1512755, L1513819, L1514720, L1514721, L1517427, L1518126, L1518270, L1518273, L1519004, L1519926, L1516311, L1520448, L1520934, L1522031, L1522038, L1522609, L1523559.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and or Temperature or Hardness or Chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] Stream criteria applies to deviation from optimum fish species temperature range. In this case, a reference to ambient is made since the background range (Minnow, 2014) is ~0-20.8°C (upper Hazeltine Creek).

[h] Calculated based on an individual sample basis, not average result basis.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

[k] Based on a change from background at any one time. Prebreach range (Minnow, 2014) 0.34-6.99 NTU and <3-18 mg/L TSS.

TABLE 4a: Summary of Analytical Results for Mount Polley, Hazeltine Creek - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Metals																										
			Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bismuth (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Magnesium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Potassium (µg/L)	Selenium (µg/L)	Silver (µg/L)	Sodium (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Standards																													
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.0325-0.13[d]	n/a	1 (Cr(+6))	110	11.2-49.1[d]	1,000	79.5-635.1[d]	870	n/a	1619-6061[d]	Methyl mercury analysis in progress	2,000	25-150[d]	373,000-432,000	2	0.1-3.0[d]	n/a	0.3	2,000	300	6	38.9-341[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	3.9-20[d]	n/a	6.4-28.1[d]	14[i]	n/a	1036-2809[d]		1,000	n/a	n/a	n/a	0.05-1.5[d]	n/a	n/a	n/a	n/a	n/a	13.1-316[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	2	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	n/a	50	1	n/a	n/a	n/a	10	n/a	200,000	n/a	n/a	20	n/a	5,000
HAD-1	HAD-1	2014 08 10	***356***	< 0.1	1.07	17	< 0.1	< 0.5	20	< 0.01	31,900	< 0.5	0.24	**21.5**	247	0.162	< 0.5	5,030	28.9	< 0.05	3.01	< 0.5	559	0.59	< 0.01	4,690	< 0.01	19	0.131	2.1	< 3
	HAD-1	2014 08 10	***121***	< 0.1	0.68	12.9	< 0.1	< 0.5	20	< 0.01	31,700	< 0.5	< 0.1	**6.69**	86	0.061	< 0.5	4,860	13.1	< 0.05	2.94	< 0.5	489	0.61	< 0.01	4,720	< 0.01	< 10	0.106	1.6	< 3
	HAD-1	2014 08 11	76.8	< 0.1	0.56	8.68	< 0.1	< 0.5	23	< 0.01	32,300	< 0.5	< 0.1	**4.11**	49	< 0.05	< 0.5	4,960	9.59	< 0.05	2.93	< 0.5	401	0.66	< 0.01	4,100	< 0.01	< 10	0.122	1.2	< 3
	HAD-1	2014 08 12	36.8	< 0.1	0.54	7.25	< 0.1	< 0.5	22	< 0.01	31,400	< 0.5	< 0.1	2.82	< 30	< 0.05	< 0.5	4,950	5.57	< 0.05	2.72	< 0.5	346	0.62	< 0.01	3,970	< 0.01	< 10	0.122	1.1	< 3
	HAD-1	2014 08 13	26.7	0.1	0.66	7.91	< 0.1	< 0.5	22	< 0.01	31,400	< 0.5	< 0.1	3.21	< 30	< 0.05	< 0.5	4,800	4.8	< 0.05	2.51	< 0.5	420	0.57	< 0.01	4,630	< 0.01	< 10	0.103	1.2	< 3
	HAD-1	2014 08 14	30.9	< 0.1	0.68	8.08	< 0.1	< 0.5	23	< 0.01	32,800	< 0.5	< 0.1	3.29	< 30	< 0.05	< 0.5	4,840	6.54	< 0.05	2.76	< 0.5	418	0.58	< 0.01	4,620	< 0.01	< 10	0.115	1.3	< 3
	HAD-1	2014 08 15	44.2	< 0.1	0.64	8.34	< 0.1	< 0.5	20	< 0.01	31,800	< 0.5	< 0.1	3.51	< 30	< 0.05	< 0.5	4,790	8.96	< 0.05	2.6	< 0.5	439	0.6	< 0.01	4,530	< 0.01	< 10	0.107	1.2	< 3
	HAD-1	2014 08 16	***164***	< 0.1	0.64	10.6	< 0.1	< 0.5	21	< 0.01	32,000	< 0.5	0.14	**6.79**	110	0.051	< 0.5	4,910	16.8	< 0.05	2.71	< 0.5	511	0.58	< 0.01	4,530	< 0.01	< 10	0.112	1.4	< 3
	HAD-1X	2014 08 16	***128***	< 0.1	0.63	9.87	< 0.1	< 0.5	21	< 0.01	32,300	< 0.5	0.11	**6.15**	99	< 0.05	< 0.5	4,900	16.7	< 0.05	2.68	< 0.5	516	0.57	< 0.01	4,450	< 0.01	< 10	0.108	1.4	< 3
	QA/QC RPD %		25	*	2	7	*	*	*	*	< 1	*	*	*	*	*	*	< 1	*	*	1	*	< 1	*	*	2	*	*	4	*	*
	HAD-1	2014 08 17	***121***	< 0.1	0.64	9.62	< 0.1	< 0.5	21	< 0.01	32,800	< 0.5	0.11	**6.51**	93	< 0.05	< 0.5	4,910	12.5	< 0.05	2.67	< 0.5	510	0.57	< 0.01	4,750	< 0.01	< 10	0.107	1.4	< 3
	HAD-1	2014 08 18	64.7	< 0.1	0.65	9.22	< 0.1	< 0.5	22	< 0.01	32,100	< 0.5	< 0.1	**4.34**	59	< 0.05	< 0.5	4,800	14.2	< 0.01	2.63	< 0.5	495	0.58	< 0.01	4,500	< 0.01	< 10	0.107	1.3	< 3
	HAD-1	2014 08 19	52.8	< 0.1	0.65	9.03	< 0.1	< 0.5	23	< 0.01	32,300	< 0.5	< 0.1	3.8	49	< 0.05	< 0.5	4,910	10.9	< 0.05	2.78	< 0.5	482	0.6	< 0.01	4,680	< 0.01	< 10	0.108	1.2	< 3
	HAD-1	2014 08 20	***382***	< 0.1	0.75	13.8	< 0.1	< 0.5	22	< 0.01	32,500	< 0.5	0.28	**13.9**	273	0.103	0.57	4,990	19.2	< 0.05	2.87	< 0.5	596	< 0.5	< 0.01	4,710	< 0.01	19	0.118	2	< 3
	HAD-1	2014 08 21	***288***	< 0.1	0.72	12.3	< 0.1	< 0.5	21	< 0.01	33,600	< 0.5	0.21	**11.8**	206	0.069	0.51	5,290	13.7	< 0.05	2.75	< 0.5	572	0.59	< 0.01	4,860	< 0.01	17	0.119	1.8	< 3
	HAD-1	2014 08 22	***227***	< 0.1	0.72	11.9	< 0.1	< 0.5	21	< 0.01	33,500	< 0.5	0.17	**9.07**	159	0.058	< 0.5	5,040	12.5	< 0.05	2.92	< 0.5	566	0.61	< 0.01	4,700	< 0.01	13	0.121	1.8	< 3
	HAD-1	2014 08 24	***392***	< 0.1	0.79	15.3	< 0.1	< 0.5	21	< 0.01	34,400	< 0.5	0.3	**15.1**	285	0.107	0.6	5,260	15.8	< 0.05	3	< 0.5	652	0.6	< 0.01	4,820	< 0.01	16	0.124	2	< 3
	HAD-1	2014 08 26	62.3	< 0.1	0.66	9.05	< 0.1	< 0.5	19	< 0.01	32,700	< 0.5	< 0.1	4.1	40	< 0.05	< 0.5	4,950	7.67	< 0.05	3.34	< 0.5	511	0.65	< 0.01	4,880	< 0.01	< 10	0.123	1.2	< 3
	HAD-1	2014 08 28	46.9	< 0.1	0.63	9	< 0.1	< 0.5	23	< 0.01	33,100	< 0.5	< 0.1	3.87	< 30	< 0.05	< 0.5	4,890	5.53	< 0.01	3.13	< 0.5	504	0.65	< 0.01	4,940	< 0.01	< 10	0.12	1.3	< 3
	HAD-1	2014 08 30	***245***	< 0.1	0.74	13.3	< 0.1	< 0.5	20	< 0.01	33,500	< 0.5	0.18	**11.2**	171	0.088	< 0.5	5,080	14.5	< 0.01	3.64	< 0.5	683	0.64	< 0.01	5,240	< 0.01	13	0.135	1.7	< 3
	HAD-1	2014 08 31	62	< 0.1	0.69	10.2	< 0.1	< 0.5	25	< 0.01	33,600	< 0.5	< 0.1	**4.45**	37	< 0.05	< 0.5	5,040	7.61	< 0.01	3.78	< 0.5	581	0.72	< 0.01	5,130	< 0.01	< 10	0.135	1.3	< 3
	HAD-1	2014 09 01	***121***	< 0.1	0.73	11.5	< 0.1	< 0.5	23	< 0.01	34,500	< 0.5	0.11	**6.17**	87	< 0.05	< 0.5	5,190	12.4	< 0.01	3.68	< 0.5	603	0.68	< 0.01	4,990	< 0.01	10	0.128	1.4	< 3
	HAD-1	2014 09 02	64.7	< 0.1	0.69	9.87	< 0.1	< 0.5	21	< 0.01	33,900	< 0.5	< 0.1	**4.27**	46	< 0.05	< 0.5	5,040	8.45	< 0.01	3.63	< 0.5	563	0.85	< 0.01	4,980	< 0.01	< 10	0.135	1.3	< 3
	HAD-1	2014 09 10	58.2	< 0.1	0.73	10.7	< 0.1	< 0.5	23	< 0.01	33,000	< 0.5	< 0.1	**4.35**	41	< 0.05	< 0.5	4,850	19.2	< 0.01	4.73	< 0.5	648	0.76	< 0.01	5,260	< 0.01	< 10	0.158	1.3	< 3
	HAD-01	2014 09 20	38.7	0.16	0.8	11.7	< 0.1	< 0.5	23	< 0.01	35,700	< 0.5	< 0.1	3.78	< 30	< 0.05	0.63	5,050	14.9	-	5.95	< 0.5	775	0.89	< 0.01	6,620	< 0.01	< 10	0.184	1.3	< 3
HAD-2	HAD-2	2014 08 30	***252***	< 0.1	0.77	13.6	< 0.1	< 0.5	23	< 0.01	33,000	< 0.5	0.19	**11.6**	182	0.074	< 0.5	5,020	14.6	< 0.01	3.66	< 0.5	681	0.63	< 0.01	5,290	< 0.01	14	0.136	1.7	< 3
	HAD-2	2014 08 31	74.3	< 0.1	0.7	10.4	< 0.1	< 0.5	24	< 0.01	33,500	< 0.5	< 0.1	**4.87**	56	< 0.05	< 0.5	5,080	8.31	< 0.01	3.76	< 0.5	587	0.74	< 0.01	5,380	< 0.01	< 10	0.138	1.3	< 3
	HAD-2	2014 09 01	***140***	< 0.1	0.73	11.4	< 0.1	< 0.5	23	< 0.01	34,500	< 0.5	0.11	**6.58**	105	< 0.05	< 0.5	5,210	11.2	< 0.01	3.69	< 0.5	614	0.7	< 0.01	5,310	< 0.01	12	0.129	1.5	< 3
	HAD-2	2014 09 02	77.4	< 0.1	0.68	10.2	< 0.1	< 0.5	21	< 0.01	33,700	< 0.5	< 0.1	**4.77**	57	< 0.05	< 0.5	5,020	9.75	< 0.01	3.68	< 0.5	578	0.82	< 0.01	5,110	< 0.01	< 10	0.131	1.3	< 3
	HAD-2	2014 09 03	***103***	< 0.1	0.69	11	< 0.1	< 0.5	22	< 0.01	33,900	< 0.5	< 0.1	**6.11**	73	< 0.05	< 0.5	4,960	8.91	< 0.01	3.77	< 0.5	555	0.68	< 0.01	4,880	< 0.01	< 10	0.137	1.4	< 3

Associated ALS files: L1500203, L1500608, L1501501, L1501554, L1502400, L1503098, L1503928, L1503934, L1503943, L1504261, L1504997, L1505933, L1506592, L1506998, L1507958, L1507977, L1508649, L1509589, L1509671, L1510294, L1510298, L1510307, L1510744, L1511205, L1511213, L1511248, L1511774, L1511886, L1511905, L1512696, L1513375, L1509636, L1512755, L1513819, L1514720, L1514721, L1517427, L1518126, L1518270, L1518273, L1519004, L1519926, L1516311, L1520448, L1520934, L1522031, L1522038, L1522609, L1523559.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and or Temperature or Hardness or Chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] Stream criteria applies to deviation from optimum fish species temperature range. In this case, a reference to ambient is made since the background range (Minnow, 2014) is ~0-20.8°C (upper Hazeltine Creek).

[h] Calculated based on an individual sample basis, not average result basis.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

[k] Based on a change from background at any one time. Prebreach range (Minnow, 2014) 0.34-6.99 NTU and <3-18 mg/L TSS.

TABLE 4a: Summary of Analytical Results for Mount Polley, Hazeltine Creek - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical Parameters									Total Inorganics										
			Hardness (mg/L)	pH (field) (pH)	pH (pH)	Temperature (field) (C)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)	Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus (mg/L)
BC Standards																						
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	6.5-9.0		Change of 8	n/a	n/a	Change of 25	n/a	n/a	700-24,500[d]	32,800	60-600[d]	32,800[f]	600	1324-1982[d]	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	+/-1 Degree change from ambient[g]	Change of 2[k]	n/a	n/a	Change of 5[k]	+20% of median background	n/a	135-17,700[d]	3,000	20-200[d]	3,000[f]	150	n/a	128-429[d]	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	6.5-8.5	n/a[j]	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,000	500	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	6.5-8.5	n/a[j]	n/a[j]	n/a	500	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a
HAC01	HAC01	2014 08 24	161	8.22	8.17	18.2	***> 4000***	343	243	**3,350**	6.04	0.902	62.2	453	6.1	-	1.56	120	75.9	93.4	0.0056	0.009
	HAC01-24HRS	2014 08 24	159	-	8.24	-	***52.1***	345	255	**38.7**	5.71	0.691	72.9	461	6.4	-	1.58	119	77.7	95.5	0.0061	0.0077
	HAC01	2014 08 25	155	***8.62***	8.23	18.6	***4,090***	320	140	**4,040**	5.73	1.81	63.2	408	4.4	-	1.3	111	69	92.1	0.0032	0.0082
	HAC01	2014 08 26	151	***8.76***	8.3	18.0	***> 4000***	317	219	**3,930**	6.16	0.73	67.3	418	4.8	-	1.01	120	65.1	94.7	0.0066	0.0099
	HAC01	2014 08 27	166	***8.83***	8.17	18.8	***> 4000***	396	280	**35,000**	5.43	2.7	183	356	20.9	-	3.45	226	101	90.6	0.0024	0.0068
	HAC01- 24HRS SETTLING	2014 08 26	153	-	8.21	-	***31.4***	319	216	3.8	5.51	0.643	77.1	416	5	-	1	103	65.2	96.1	0.0067	***0.0118***
	HAC1	2014 08 28	166	8.29	8.18	17.6	***> 4000***	411	282	**26,900**	5.59	2.3	174	403	16.7	-	3.96	248	114	91.4	0.0028	0.0081
	HAC1- 24HRS SETTLING	2014 08 28	168	-	8.14	-	***68.3***	420	312	**41.6**	5.13	0.925	159	397	16.2	-	3.95	247	116	89.8	0.0027	0.0081
	HAC01	2014 08 29	189	8.3	8.17	14.6	***> 4000***	501	341	**62,800**	4.16	4.55	300	432	38.5	-	6.36	348	162	78.3	0.0024	0.009
	HAC01- 24HRS SETTLING	2014 08 29	190	-	8.13	-	***50.6***	502	367	**31.4**	4.23	1.06	308	437	36.1	-	6.4	328	166	78.2	0.0029	0.008
	HAC-1	2014 08 31	164	-	8.23	-	***100,000***	394	266	**46,400**	5.54	3.26	201	365	17.7	-	3.35	222	99.9	92.4	0.0063	***0.0136***
	HAC-1	2014 09 03	137	-	8.34	-	***> 4000***	317	217	**20,800**	6.02	2.57	125	80	13.1	-	2.49	166	64.9	97.4	0.0088	***0.027***
	HAC-1	2014 09 02	175	-	8.24	-	***> 4000***	413	292	**45,200**	5.39	4.26	233	520	19.4		3.8	256	111	89.4	0.0092	***0.0153***
	HAC-1	2014 09 04	131	-	8.19	-	***1,510***	291	187	**18,900**	6.11	1.87	102	63.2	9.2		1.9	131	54.3	92.5	0.005	0.0089
	HAC-1	2014 09 06	118	-	8.23	-	***4,090***	251	174	**3,790**	5.8	1.1	63.2	10.4	1.7	-	0.71	87	33.4	94.3	0.0041	0.0075
	HAC-1X	2014 09 06	124	-	8.23	-	***4,000***	249	176	**3,780**	5.74	1.05	66.7	10	1.9	-	0.7	88	33.6	95.6	0.004	0.0075
	QA/QC RPD %		5	-	0	-	2	< 1	1	< 1	1	5	5	*	*	-	*	*	< 1	1	*	*
	HAC-1	2014 09 07	128	-	8.23	-	***> 4000***	254	174	**4,860**	6.04	1.15	62.3	< 5	1.2	-	0.75	90	34.2	99.1	0.0031	0.0077
	HAC-1	2014 09 11	117	-	8.37	-	***> 4000***	239	182	**9,080**	5.63	1.89	95.5	17.9	2.5	-	0.69	88	35.2	94.6	0.0047	0.0077
	HAC-1	2014 09 12	118	-	8.18	-	***2,660***	243	192	**4,770**	6.04	1.07	83.2	34.6	17.2	-	0.8	93	36.6	96.6	0.0023	0.0057
	HAC-1	2014 09 13	118	-	8.2	-	***> 4000***	241	183	**1,340**	6.05	1.44	87.1	7.7	6.4	-	0.75	90	35.7	94.9	0.0023	0.0045
	HAC-1	2014 09 14	116	-	8.01	-	***4,080***	252	196	**6,770**	5.59	1.21	71.4	14	8.1	-	0.88	102	37.2	101	0.0033	0.005
	HAC-01	2014 09 15	114	-	8.14	-	***> 4000***	247	181	**7,920**	5.69	1.29	92.8	< 5	5.5	-	0.88	106	38.7	94.7	0.0041	0.0067
	HAC-01	2014 09 16	120	-	8.23	-	***> 4000***	258	171	**4,900**	5.92	1.04	64.2	< 5	3.7	-	0.89	111	37.2	102	0.0029	0.0062
	HAC-01X	2014 09 16	121	-	8.22	-	***> 4000***	257	174	**6,080**	5.99	1.03	66.5	< 5	3.5	-	0.89	98	36.9	101	0.0036	0.0058
	QA/QC RPD %		< 1	-	< 1	-	*	< 1	2	22	1	< 1	4	*	*	-	*	*	< 1	< 1	*	*
	HAC-01	2014 09 17	117	-	8.11	-	***2,550***	250	182	**4,900**	5.87	0.81	54	< 5	3.9	-	0.86	97	36.5	98.4	0.0031	0.0062
	HAC-01	2014 09 18	126	-	8.24	-	***1,640***	270	195	**2,990**	5.49	0.741	45.7	7.4	4.1	-	1.15	97	43.8	107	0.0021	0.0046
	HAC-01	2014 09 19	120	-	8.18	-	***1,750***	251	173	**4,340**	5.82	1.07	71.1	5.4	5.2	-	0.87	107	36.9	99.8	0.0029	0.0063
	HAC-01X	2014 09 19	120	-	8.2	-	***1,800***	251	171	**4,450**	5.78	1.08	73.7	5.7	5.1	-	0.87	90	36.6	99.7	0.0026	0.0059
	QA/QC RPD %		0	-	< 1	-	3	0	1	3	< 1	< 1	4	*	2	-	*	*	< 1	< 1	*	*
	HAC-01	2014 09 22	117	-	8.18	-	***3,200***	242	181	**3,120**	6.13	1.16	78.7	< 5	1.6	-	0.79	84	36	98	0.0035	0.0089
	HAC-01	2014 09 23	116	-	8.14	-	***3,970***	242	190	**5,150**	6.67	1.6	104	< 5	< 1	-	0.79	86	36	100	0.0047	0.0079
HAC02	HAC-02	2014 08 27	498	8.09	8.02	15.6	***> 4000***	1,140	***813***	**91,800**	9.13	15.5	252	***13,000***	104	-	15.6	890	**473**	99.1	0.0031	***0.013***
	HAC-02-24HRS SETTLING	2014 08 27	501	-	8.09	-	***21.9***	1,180	***857***	**40.5**	7.87	13.8	447	***12,600***	119	-	15.1	660	**465**	97.8	0.0014	***0.0133***
HAC03	HAC-03	2014 08 27	491	8.12	8.1	18	***> 4000***	1,160	***841***	**86,400**	7.65	13.3	295	***10,900***	111	-	17.6	940	**481**	93.8	0.0029	***0.014***
	HAC-03-24HRS SETTLING	2014 08 27	478	-	8.09	-	8.75	1,190	***826***	6.4	7.05	12.1	488	***10,900***	144	-	17.5	680	**483**	90.8	0.0011	***0.0142***
HAC04	HAC-04	2014 08 27	134	***8.52***	8.42	19.1	***3,480***	293	200	**4,320**	6.7	1.41	30	903	6.1	-	1.35	121	68.1	92.3	0.002	0.0057
	HAC-04-24HRS SETTLING	2014 08 27	136	-	8.21	-	***69.5***	309	176	8	6.29	1.26	39.1	904	6.7	-	1.35	113	68.3	83.1	0.0012	0.0075
HAC05	HAC-05	2014 08 28	162	8.39	8.24	18.2	***> 4000***	375	212	**27,900**	5.51	1.27	141	412	14.8	-	3.17	207	99.3	79.8	0.0027	0.0074
	HAC-05- 24HRS SETTLING	2014 08 28	169	-	8.12	-	***51.2***	361	264	4.7	5.04	0.916	160	409	15	-	3.16	208	101	82.2	0.002	0.0074
HAC06	HAC-06	2014 08 28	165	8.25	8.22	17.5	***> 4000***	402	282	**41,500**	5.22	1.78	155	383	15.9	-	3.69	242	108	84.8	0.0035	0.0088
	HAC-06- 24HRS SETTLING	2014 08 28	162	-	8.19	-	***57.7***	396	225	**46.9**	5.29	0.88	180	384	16.3	-	3.7	247	111	84.7	0.0026	0.0084

Associated ALS files: L1500203, L1500608, L1501501, L1501554, L1502400, L1503098, L1503928, L1503934, L1503943, L1504261, L1504997, L1505933, L1506592, L1506998, L1507958, L1507977, L1508649, L1509589, L1509671, L1510294, L1510298, L1510307, L1510744, L1511205, L1511213, L1511248, L1511774, L1511886, L1511905, L1512696, L1513375, L1509636, L1512755, L1513819, L1514720, L1514721, L1517427, L1518126, L1518270, L1518273, L1519004, L1519926, L1516311, L1520448, L1520934, L1522031, L1522038, L1522609, L1523559.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and or Temperature or Hardness or Chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] Stream criteria applies to deviation from optimum fish species temperature range. In this case, a reference to ambient is made since the background range (Minnow, 2014) is ~0-20.8°C (upper Hazeltine Creek).

[h] Calculated based on an individual sample basis, not average result basis.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

[k] Based on a change from background at any one time. Prebreach range (Minnow, 2014) 0.34-6.99 NTU and <3-18 mg/L TSS.

TABLE 4a: Summary of Analytical Results for Mount Polley, Hazeltine Creek - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																										
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Standards																													
BCWQG Aquatic Life (AW)[b,c]			100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
HAC01	HAC01	2014 08 24	11.6	50	< 30	8.79	52.7	2.08	9.63	< 0.5	1.72	35.2	< 0.5	< 50	< 0.05	< 0.5	< 0.5	17.5	< 0.25	3.2	12.3	< 2.5	3.44	< 0.05	< 0.05	< 10	0.986	< 5	< 5
	HAC01-24HRS	2014 08 24	10.3	49.2	< 30	8.83	53.9	2.16	9.82	0.27	1.93	37.9	< 0.1	29	0.013	< 0.5	0.12	17.8	< 0.05	1.11	12.2	0.74	3.77	< 0.01	< 0.01	< 10	0.984	3.2	< 3
	HAC01	2014 08 25	9.6	48	< 30	8.45	51.6	1.78	8.23	0.23	1.65	38.6	< 0.2	24	< 0.02	< 0.5	< 0.2	15.8	< 0.1	< 1	10.1	< 1	3.35	< 0.02	< 0.02	< 10	0.66	2.5	< 3
	HAC01	2014 08 26	12.1	46.4	< 30	8.44	52.8	1.7	7.95	< 0.5	1.67	38.4	< 0.5	< 50	< 0.05	< 0.5	< 0.5	16	< 0.25	< 2.5	10.4	< 2.5	3.43	< 0.05	< 0.05	< 10	0.746	< 5	< 5
	HAC01	2014 08 27	27	53	< 30	8.28	49.2	4.2	18.5	< 2	2.5	44.6	< 2	< 200	< 0.2	< 2	< 2	19.6	< 1	< 10	35.9	< 10	3	< 0.2	< 0.2	< 10	1.51	< 20	< 20
	HAC01- 24HRS SETTLING	2014 08 26	13.2	47.1	< 30	8.55	51.9	1.65	7.62	0.25	1.69	39.8	< 0.1	26	0.01	< 0.5	0.11	15.8	< 0.05	1.13	10.3	0.62	3.6	< 0.01	< 0.01	< 10	0.727	2.8	< 3
	HAC1	2014 08 28	44	53.2	< 30	8.07	45.8	4.6	18	< 2	2.5	37.6	< 2	< 200	< 0.2	< 2	< 2	15.3	< 1	< 10	38.5	< 10	3	< 0.2	< 0.2	< 10	1.52	< 20	< 20
	HAC1- 24HRS SETTLING	2014 08 28	19.9	54.1	< 30	8.03	50.2	5.32	20.4	0.62	2.9	42.3	< 0.2	42	< 0.02	< 0.5	< 0.2	14.7	0.18	2.5	41.5	< 1	3.55	< 0.02	< 0.02	< 10	1.65	4.3	< 3
	HAC01	2014 08 29	***135***	61.1	< 60	8.74	62.9	5.7	29.1	< 5	< 5	42.9	< 5	< 500	< 0.5	< 5	< 5	19	< 2.5	< 25	68.3	< 25	< 5	< 0.5	< 0.5	< 20	2.18	< 50	< 50
	HAC01- 24HRS SETTLING	2014 08 29	26	61.5	< 60	8.81	55.6	6	30.9	< 1	3.1	43.4	< 1	< 100	< 0.1	< 1	< 1	14.5	< 0.5	< 5	69.4	< 5	3.7	< 0.1	< 0.1	< 20	2.27	< 10	< 10
	HAC-1	2014 08 31	27	51.8	< 150	8.36	37	4.2	16.8	< 2	2.4	46.9	< 2	< 200	< 0.2	< 2	< 2	12.6	< 1	< 10	33.8	< 10	2.5	< 0.2	< 0.2	< 50	1.06	< 20	< 20
	HAC-1	2014 09 03	22	43	< 30	7.25	34.1	3.48	20.3	1.4	3.2	39.9	< 1	< 100	< 0.1	< 1	6.3	12.8	< 0.5	< 5	21.9	< 5	3.1	0.1	< 0.1	< 10	0.84	< 10	< 10
	HAC-1	2014 09 02	< 20	55.6	< 30	8.66	34.5	5	22.2	< 2	3	44.4	< 2	< 200	< 0.2	< 2	< 2	8.5	< 1	< 10	44.8	< 10	3.2	< 0.2	< 0.2	< 10	1.53	< 20	< 20
	HAC-1	2014 09 04	31	41.6	< 30	6.69	33.6	2.31	10.3	< 1	2.3	37.7	< 1	< 100	< 0.1	< 1	< 1	11.9	< 0.5	< 5	15.6	< 5	1	< 0.1	< 0.1	< 10	0.56	< 10	< 10
	HAC-1	2014 09 06	**85.8**	36.7	88	6.5	15.5	1.71	7	< 0.5	1.83	41.3	< 0.5	< 50	< 0.05	< 0.5	< 0.5	20.4	< 0.25	3	5.97	< 2.5	1.48	< 0.05	< 0.05	10	0.752	< 5	< 5
	HAC-1X	2014 09 06	***2,130***	37.9	**1,920**	6.99	66.8	2.13	7.34	< 0.5	2.41	72.2	< 0.5	< 50	< 0.05	3.06	1.45	49.1	1.28	4.2	5.4	3.9	1.36	< 0.05	< 0.05	129	0.82	8.7	6.1
	QA/QC RPD %		185	3	*	7	125	22	5	*	*	54	*	*	*	*	*	83	*	*	10	*	*	*	*	*	9	*	*
	HAC-1	2014 09 07	***1,850***	38.9	**1,810**	7.42	69.3	1.96	7.34	< 0.5	2.21	65.7	< 0.5	< 50	0.057	3.2	1.24	42	1.07	3.7	5.69	4	1.29	0.052	0.056	112	0.817	8.3	7.9
	HAC-1	2014 09 11	***433***	35.9	**412**	6.53	35	1.63	7.25	< 0.5	2.28	42	< 0.5	< 50	< 0.05	0.85	< 0.5	16.9	0.3	< 2.5	6.69	< 2.5	1.22	< 0.05	< 0.05	30	0.833	5.2	5.3
	HAC-1	2014 09 12	**76.9**	37.4	81	5.94	27.6	1.3	7.3	< 0.5	1.92	40	< 0.5	< 50	< 0.05	< 0.5	< 0.5	19.1	< 0.25	< 2.5	6.83	< 2.5	1.15	< 0.05	< 0.05	11	0.654	< 5	< 5
	HAC-1	2014 09 13	**55.1**	37	45	6.21	28.7	1.6	6.96	< 0.5	2.02	44	< 0.5	< 50	< 0.05	< 0.5	< 0.5	21.6	< 0.25	< 2.5	6.88	< 2.5	1.26	< 0.05	< 0.05	10	1.09	< 5	< 5
	HAC-1	2014 09 14	39.1	36.7	33	5.87	39	1.78	7.53	< 0.5	2.07	40.7	< 0.5	< 50	< 0.05	< 0.5	< 0.5	27	< 0.25	< 2.5	8.16	< 2.5	1.24	< 0.05	< 0.05	< 10	0.71	< 5	< 5
	HAC-01	2014 09 15	39.6	36.3	< 30	5.68	35.1	1.84	7.87	< 0.5	2	39.7	< 0.5	< 50	< 0.05	< 0.5	< 0.5	25.2	< 0.25	< 2.5	8.73	< 2.5	1.24	< 0.05	< 0.05	< 10	0.69	< 5	< 5
	HAC-01	2014 09 16	33.1	38	< 30	6.07	41.6	1.63	7.57	< 0.5	1.93	34.2	< 0.5	< 50	< 0.05	< 0.5	< 0.5	26.4	< 0.25	< 2.5	7.82	< 2.5	1.13	< 0.05	< 0.05	< 10	0.596	< 5	< 5
	HAC-01X	2014 09 16	28.4	38.5	< 30	6.17	42.7	1.69	7.48	< 0.5	2.03	35	< 0.5	< 50	< 0.05	< 0.5	< 0.5	26.7	< 0.25	< 2.5	7.88	< 2.5	1.09	< 0.05	< 0.05	< 10	0.606	< 5	< 5
	QA/QC RPD %		15	1	*	2	3	4	1	*	*	2	*	*	*	*	*	1	*	*	< 1	*	*	*	*	*	2	*	*
	HAC-01	2014 09 17	24	37.1	< 30	5.82	45.1	1.48	7.66	0.22	1.87	34.9	< 0.2	29	< 0.02	< 0.5	< 0.2	25.4	< 0.1	< 1	7.49	< 1	1.04	< 0.02	< 0.02	< 10	0.575	2.7	< 3
	HAC-01	2014 09 18	***396***	39.8	***446***	6.49	59.6	1.7	8.97	0.23	1.99	44.6	< 0.2	30	< 0.02	< 0.5	0.38	35.5	0.26	1.6	9.03	1.2	1.1	< 0.02	< 0.02	31	0.613	3.4	< 3
	HAC-01	2014 09 19	**63.7**	37.9	39	6.1	35.3	1.31	7.21	< 0.5	1.96	33.2	< 0.5	< 50	< 0.05	< 0.5	< 0.5	23.6	< 0.25	< 2.5	6.99	< 2.5	1.01	< 0.05	< 0.05	< 10	0.599	< 5	< 5
	HAC-01X	2014 09 19	36.6	37.9	< 30	6.12	35.6	1.3	7.06	< 0.5	1.93	32.5	< 0.5	< 50	< 0.05	< 0.5	< 0.5	22.8	< 0.25	< 2.5	7.02	< 2.5	0.97	< 0.05	< 0.05	< 10	0.597	< 5	< 5
	QA/QC RPD %		54	0	*	< 1	< 1	< 1	2	*	*	2	*	*	*	*	*	3	*	*	< 1	*	*	*	*	*	< 1	*	*
	HAC-01	2014 09 22	***117***	36.9	181	5.9	33.8	1.23	7.04	< 0.5	2.07	36.1	< 0.5	< 50	< 0.05	< 0.5	< 0.5	13.1	0.41	< 2.5	7.06	< 2.5	1.01	< 0.05	< 0.05	20	0.62	< 5	7.9
	HAC-01-1	2014 09 23	***132***	36.5	151	6.06	32.5	1.12	6.46	< 0.5	1.94	35.3	< 0.5	< 50	< 0.05	< 0.5	< 0.5	15.7	< 0.25	< 2.5	7.43	< 2.5	1.11	< 0.05	< 0.05	16	0.701	< 5	< 5
HAC02	HAC-02	2014 08 27	**61**	161	< 150	23.3	162	12.9	55.5	< 5	< 5	59.5	< 5	< 500	< 0.5	< 5	< 5	25	< 2.5	< 25	155	< 25	32.6	< 0.5	< 0.5	< 50	3.04	< 50	< 50
	HAC-02-24HRS SETTLING	2014 08 27	39.9	162	< 90	23.7	229	13.2	57.5	1.77	3.42	51.4	< 0.1	116	0.043	< 0.5	0.7	53.9	< 0.05	10	180	1.4	33.3	< 0.01	< 0.01	< 30	3.99	3.7	< 3
HAC03	HAC-03	2014 08 27	***199***	161	< 150	21.4	154	14.3	63.1	< 5	< 5	58.6	< 5	< 500	< 0.5	< 5	< 5	24	< 2.5	< 25	168	< 25	26.9	< 0.5	< 0.5	< 50	3.24	< 50	< 50
	HAC-03-24HRS SETTLING	2014 08 27	11	156	< 90	21.4	229	14.8	67.5	2.01	3.48	52	< 0.1	123	< 0.1	< 0.5	0.67	47	< 0.05	11	193	1.22	28.7	< 0.01	< 0.01	< 30	4.18	3.7	< 3
HAC04	HAC-04	2014 08 27	**52**	42.9	< 30	6.42	29.4	1.85	8.51	< 0.5	1.38	35	< 0.5	< 50	< 0.05	< 0.5	< 0.5	36.4	< 0.25	< 2.5	14.8	< 2.5	3.79	< 0.05	< 0.05	< 10	0.365	< 5	< 5
	HAC-04-24HRS SETTLING	2014 08 27	34.5	43.7	< 30	6.42	29.2	1.97	8.83	0.23	1.84	41.3	< 0.1	32	< 0.01	< 0.5	0.15	51.2	< 0.05	1.23	15.9	< 0.5	3.99	< 0.01	< 0.01	< 10	0.424	2.3	< 3
HAC05	HAC-05	2014 08 28	**66**	53.1	< 30	7.14	43.4	4.4	17.8	< 2	2.7	35.7	< 2	< 200	< 0.2	< 2	< 2	25.8	< 1	< 10	41.2	< 10	3.7	< 0.2	< 0.2	< 10	0.92	< 20	< 20
	HAC-05- 24HRS SETTLING	2014 08 28	22	55.6	< 30	7.44	58.6	4.92	19	0.85	2.96	39.3	< 0.2	48	0.035	< 0.5	0.21	40.8	< 0.1	3.9	49.7	< 1	4.41	< 0.02	< 0.02	< 10	1.3	3.9	< 3
HAC06	HAC-06	2014 08 28	***1,650***	52.3	**1,660**	8.38	99.1	5.9	20.8	< 2	3.5	63	< 2	< 200	< 0.2	< 2	< 2	86.2	1.1	< 10	38.6	< 10	3.4	< 0.2	< 0.2	135	1.7	< 20	< 20
	HAC-06- 24HRS SETTLING	2014 08 28	19.8	52.9	< 30	7.38	66.9	5.55	20.8	0.95	2.85	40	< 0.5	< 50	< 0.05	< 0.5	< 0.5	37.7	< 0.25	3.8	46.8	< 2.5	3.64	< 0.05	< 0.05	< 10	2.08	< 5	< 5

Associated ALS files: L1500203, L1500608, L1501501, L1501554, L1502400, L1503098, L1503928, L1503934, L1503943, L1504261, L1504997, L1505933, L1506592, L1506998, L1507958, L1507977, L1508649, L1509589, L1509671, L1510294, L1510298, L1510307, L1510744, L1511205, L1511213, L1511248, L1511774, L1511886, L1511905, L1512696, L1513375, L1509636, L1512755, L1513819, L1514720, L1514721, L1517427, L1518126, L1518270, L1518273, L1519004, L1519926, L1516311, L1520448, L1520934, L1522031, L1522038, L1522609, L1523559.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and or Temperature or Hardness or Chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] Stream criteria applies to deviation from optimum fish species temperature range. In this case, a reference to ambient is made since the background range (Minnow, 2014) is ~0-20.8°C (upper Hazeltine Creek).

[h] Calculated based on an individual sample basis, not average result basis.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

[k] Based on a change from background at any one time. Prebreach range (Minnow, 2014) 0.34-6.99 NTU and <3-18 mg/L TSS.

TABLE 4a: Summary of Analytical Results for Mount Polley, Hazeltine Creek - Surface Water DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Metals																										
			Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bismuth (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Magnesium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Potassium (µg/L)	Selenium (µg/L)	Silver (µg/L)	Sodium (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Standards																													
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.0325-0.13[d]	n/a	1 (Cr(+6))	110	11.2-49.1[d]	1,000	79.5-635.1[d]	870	n/a	1619-6061[d]	Methyl mercury analysis in progress	2,000	25-150[d]	373,000-432,000	2	0.1-3.0[d]	n/a	0.3	2,000	300	6	38.9-341[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	3.9-20[d]	n/a	6.4-28.1[d]	14[i]	n/a	1036-2809[d]		1,000	n/a	n/a	n/a	0.05-1.5[d]	n/a	n/a	n/a	n/a	n/a	13.1-316[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	2	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	n/a	50	1	n/a	n/a	n/a	10	n/a	200,000	n/a	n/a	20	n/a	5,000
HAC01	HAC01	2014 08 24	***75,200***	0.67	***47.4***	795	2.4	< 2.5	54	**1.02**	178,000	***114***	**66.2**	***1,860***	***111,000***	***42.4***	**80.5**	55,400	***2,990***	0.183	13.3	**126**	10,900	**5.8**	1.02	12,800	**0.363**	**4,290**	4.91	**265**	**285**
	HAC01-24HRS	2014 08 24	***14,400***	0.18	***16.4***	311	1.01	< 0.5	38	**0.825**	156,000	**19.3**	**20.9**	***1,360***	***20,200***	***25.3***	12.1	19,200	***1,540***	0.193	2.91	42.3	4,210	**3.25**	0.023	11,300	0.055	52	2.8	**53.9**	**84.2**
	HAC01	2014 08 25	***63,400***	0.6	***35.1***	660	2.03	< 1	43	**1.05**	146,000	***119***	**60.1**	***1,200***	***113,000***	***40.1***	**77.9**	51,500	***2,590***	0.312	8.46	**131**	9,200	**4.88**	0.865	10,500	**0.391**	**3,220**	3.82	**223**	**266**
	HAC01	2014 08 26	***73,300***	0.72	***42.1***	736	2.25	< 2.5	53	**1.04**	145,000	***132***	**67.8**	***1,490***	***118,000***	***43.5***	**81**	57,500	***2,870***	0.265	9.16	**146**	9,710	**5.31**	0.954	10,700	**0.426**	**3,910**	4.41	**266**	**300**
	HAC01	2014 08 27	***360,000***	< 2	***245***	***4,970***	***15.3***	< 10	270	**4.78**	757,000	***309***	**378**	***19,000***	***413,000***	***254***	**432**	232,000	***16,600***	***2.89***	49.8	**355**	42,100	***18.4***	**8.17**	41,300	**1.02**	**10,600**	***20.6***	**1,250**	**1,490**
	HAC01- 24HRS SETTLING	2014 08 26	***15,400***	0.2	***11.7***	346	1.08	< 0.5	40	**0.927**	134,000	**26.5**	**25.5**	***1,120***	***23,300***	***26.6***	**16.3**	21,400	***1,430***	< 0.01	1.27	57.1	3,770	**3.2**	0.028	9,040	0.077	59	2.64	**61.2**	**103**
	HAC1	2014 08 28	***404,000***	< 2	***279***	***6,180***	***17.5***	< 10	280	**4.94**	738,000	***303***	**399**	***22,100***	***404,000***	***291***	**463**	259,000	***18,200***	***2.16***	53.4	**342**	48,500	***21.5***	**10.2**	46,800	**0.94**	**8,770**	***21.8***	**1,260**	**1,650**
	HAC1- 24HRS SETTLING	2014 08 28	***5,240***	0.47	***10.6***	463	1.56	< 1	75	**2.15**	523,000	**3.06**	**26.6**	***4,120***	***13,500***	1.5	11	22,700	***4,910***	0.371	9.2	34.4	10,500	**4.16**	< 0.02	28,300	0.021	92	0.552	**19.1**	**88.2**
	HAC01	2014 08 29	***817,000***	< 5	***554***	***11,600***	***37***	< 25	< 500	***10.4***	1,630,000	***549***	**854**	***44,600***	***852,000***	***577***	**961**	522,000	***37,000***	***4.06***	92	**682**	86,600	***35.9***	**20.1**	81,700	**1.73**	**17,000**	***43.6***	**2,620**	**3,490**
	HAC01- 24HRS SETTLING	2014 08 29	***192,000***	< 1	***269***	***1,790***	***13.6***	< 5	290	***6.75***	1,450,000	***169***	**160**	***32,000***	***172,000***	***278***	**100**	107,000	***14,000***	0.237	17.6	**196**	34,100	**7.7**	< 0.1	72,700	0.24	477	***23.5***	**573**	**756**
	HAC-1	2014 08 31	***388,000***	< 2	***261***	***5,780***	***17.6***	< 10	270	***6.31***	1,020,000	***399***	**426**	***21,500***	***498,000***	***270***	**446**	335,000	***18,800***	***2.52***	37	**474**	45,700	***17.1***	**11.2**	42,700	**1.17**	**6,550**	***21.6***	**1,230**	**1,690**
	HAC-1	2014 09 03	***273,000***	1.7	***170***	***3,500***	***11***	< 5	170	**4.3**	557,000	***335***	**289**	***12,000***	***349,000***	***178***	**321**	221,000	***12,200***	***1.79***	30.8	**388**	32,200	***14.3***	**6.59**	37,000	**1.04**	**7,180**	14.9	**915**	**1,140**
	HAC-1	2014 09 02	***581,000***	< 2	***341***	***7,250***	***24.4***	< 10	340	***6.97***	913,000	***585***	**599**	***22,900***	***633,000***	***379***	**715**	254,000	***24,800***	***2.74***	65.9	**660**	60,100	***24.2***	**11.9**	51,700	**1.59**	**19,000**	***30.6***	**2,030**	**2,420**
	HAC-1	2014 09 04	***143,000***	< 1	***97***	***1,890***	***5.2***	< 5	< 100	**2.53**	375,000	***183***	**151**	***6,880***	***205,000***	***97.7***	**149**	123,000	***6,760***	-	16.3	**251**	18,100	**6.5**	**3.44**	20,500	**0.61**	**3,990**	8.68	**504**	**628**
	HAC-1	2014 09 06	***64,500***	0.51	***36.5***	651	2.06	< 2.5	< 50	**1.14**	131,000	***121***	**63.2**	***1,380***	***111,000***	***40.3***	**78.2**	52,200	***2,510***	-	5.8	**136**	8,900	**2.63**	0.922	9,620	**0.404**	**3,040**	3.61	**232**	**261**
	HAC-1X	2014 09 06	***63,400***	0.65	***37.3***	638	1.9	< 2.5	< 50	**0.899**	123,000	***119***	**59.4**	***1,220***	***115,000***	***37.4***	**78.4**	51,400	***2,370***	-	6.93	**130**	8,770	**2.64**	0.84	9,410	**0.389**	**3,550**	3.46	**238**	**251**
	QA/QC RPD %		2	*	2	2	*	*	*	*	6	2	6	*	4	*	< 1	2	*	-	18	*	2	< 1	9	2	4	16	4	3	*
	HAC-1	2014 09 07	***80,400***	0.67	***52***	748	2.57	< 2.5	64	**1.24**	156,000	***156***	**74.9**	***1,940***	***138,000***	***48.3***	**88.8**	61,700	***3,070***	-	7.34	**170**	10,300	**3.05**	1.07	11,000	**0.485**	**3,760**	4.75	**305**	**325**
	HAC-1	2014 09 11	***126,000***	0.6	***72.9***	***1,170***	***4.22***	< 2.5	64	**2.05**	263,000	***232***	**120**	***3,040***	***187,000***	***76.3***	**145**	86,800	***5,420***	-	6.29	**261**	14,100	**4.62**	**1.8**	13,500	**0.746**	**3,590**	6.62	**401**	**537**
	HAC-1	2014 09 12	***64,700***	0.66	***49.7***	699	2.1	< 2.5	51	**1.08**	165,000	***97.8***	**55.8**	***1,870***	***103,000***	***36.8***	**73.6**	46,500	***2,530***	-	8.39	**105**	8,780	**2.59**	1.33	10,900	**0.371**	**3,310**	3.7	**231**	**255**
	HAC-1	2014 09 13	***105,000***	0.56	***71.8***	***1,130***	3.34	< 2.5	64	**1.52**	248,000	***138***	**91.8**	***3,320***	***150,000***	***57.7***	**116**	74,600	***4,310***	-	10.4	**156**	12,400	**3.8**	**1.89**	14,100	**0.48**	**4,710**	6.13	**369**	**410**
	HAC-1	2014 09 14	***86,100***	< 0.5	***66***	990	3.15	< 2.5	71	**1.47**	216,000	***103***	**83.7**	***3,380***	***135,000***	***52.8***	**102**	65,800	***3,620***	-	14.1	**116**	10,700	**3.75**	**1.79**	12,400	**0.374**	**4,310**	5.06	**345**	**355**
	HAC-01	2014 09 15	***114,000***	0.63	***83.2***	***1,160***	4	< 2.5	78	**1.5**	294,000	***133***	**97**	***4,180***	***169,000***	***64.1***	**132**	81,400	***4,690***	-	15.2	**146**	13,500	**4.26**	**1.76**	15,900	**0.472**	**5,940**	6.02	**420**	**424**
	HAC-01	2014 09 16	***89,800***	0.56	***66.4***	993	3.22	< 2.5	65	**1.13**	231,000	***92.6***	**82.3**	***3,820***	***127,000***	***45.9***	**101**	66,100	***3,670***	-	13.6	**101**	11,600	**4.01**	**1.61**	13,900	**0.327**	**4,770**	4.77	**353**	**343**
	HAC-01X	2014 09 16	***89,900***	0.58	***71.5***	***1,010***	3.79	< 2.5	79	**1.14**	233,000	***91.9***	**82.9**	***4,010***	***126,000***	***48.4***	**115**	65,600	***3,820***	-	13.9	102	12,000	**4.16**	**1.85**	14,800	**0.345**	**4,610**	4.96	**355**	**345**
	QA/QC RPD %		< 1	*	7	2	16	*	*	*	< 1	< 1	< 1	*	< 1	*	13	< 1	*	-	2	*	3	4	14	6	5	3	4	< 1	*
	HAC-01	2014 09 17	***53,500***	0.51	***54.1***	704	1.99	< 1	52	**0.91**	171,000	***66.2***	**54.2**	***2,640***	***86,200***	***36.7***	**61.8**	42,200	***2,380***	-	10.1	**76.3**	8,060	**3.14**	1.1	11,500	0.254	**2,600**	3.98	**219**	**226**
	HAC-01	2014 09 18	***50,900***	0.58	***44.1***	665	1.84	< 1	48	**0.709**	152,000	***61.1***	**43.7**	***2,020***	***79,100***	***33.5***	**60.6**	39,200	***1,950***	-	11.1	65.8	8,150	**2.64**	1.04	12,800	0.231	**2,810**	3.19	**196**	**190**
	HAC-01	2014 09 19	***76,300***	0.63	***60.5***	788	2.58	< 2.5	59	**1.1**	186,000	***97.6***	**69.1**	***2,820***	***126,000***	***43.4***	**88.7**	54,700	***2,950***	-	12.5	**106**	10,000	**3.48**	1.32	12,600	**0.351**	**4,230**	4.58	**314**	**310**
	HAC-01X	2014 09 19	***70,400***	0.64	***56***	770	2.43	< 2.5	57	**0.964**	175,000	***86.5***	**63.9**	***2,640***	***109,000***	***41***	**80.4**	50,400	***2,830***	-	12.8	**94.4**	9,630	**3.27**	1.35	12,500	**0.313**	**3,850**	4.2	**289**	**274**
	QA/QC RPD %		8	*	8	2	*	*	*	*	6	12	8	7	15	6	10	8	4		2	12	4	6	2	< 1	11	9	9	8	12
	HAC-01	2014 09 22	***62,900***	0.66	***37.7***	600	1.97	< 2.5	< 50	**0.962**	127,000	***110***	**59**	***1,170***	***107,000***	***37.5***	**75.5**	47,100	***2,410***	-	6.71	**128**	8,000	**2.56**	0.811	9,120	**0.417**	**2,850**	3.22	**206**	**269**
	HAC-01-1	2014 09 23	***71,300***	0.57	***42.8***	709	2.25	< 2.5	< 50	**1.06**	165,000	***126***	**70.6**	***1,680***	***126,000***	***46.4***	**86.6**	55,400	***2,920***	-	6.97	**140**	8,940	**2.79**	1.05	9,410	**0.443**	**3,270**	4.08	**242**	**315**
HAC02	HAC-02	2014 08 27	***952,000***	< 5	***844***	***14,700***	***46.9***	< 25	900	***14.6***	2,980,000	***528***	**984**	***77,500***	######	***776***	**1,030**	751,000	***49,600***	***15***	139	**557**	120,000	***79.8***	**33.1**	140,000	**1.45**	**11,400**	***56.4***	**2,730**	**4,000**
	HAC-02-24HRS SETTLING	2014 08 27	***1,740***	1.59	4.52	77.1	< 0.1	< 0.5	109	0.043	155,000	0.69	1.7	**119**	***1,600***	0.808	9.64	24,500	***250***	***4.06***	169	2.41	11,500	***34.4***	0.04	56,800	0.011	154	3.71	**9.9**	7.9
HAC03	HAC-03	2014 08 27	***917,000***	< 5	***829***	***14,200***	***45.2***	< 25	850	***13.4***	2,780,000	***514***	**967**	***75,800***	***997,000***	***764***	**1,010**	727,000	***46,700***	***6.7***	141	**548**	119,000	***72.6***	**32.8**	147,000	**1.5**	**11,400**	***56.4***	**2,720**	**3,910**
	HAC-03-24HRS SETTLING	2014 08 27	***472***	1.61	3.7	55.3	< 0.1	< 0.5	120	< 0.1	150,000	< 0.5	0.76	**64.4**	***322***	0.307	9.43	21,900	***201***	***1.1***	190	1.83	13,000	***29.6***	0.015	66,300	< 0.01	43	3.81	4.7	3.4
HAC04	HAC-04	2014 08 27	***68,000***	0.55	***54.4***	961	2.6	< 2.5	65	**0.613**	161,000	**32**	**61.4**	***3,380***	***84,400***	***37.2***	**68.8**	57,400	***2,680***	< 0.5	22.9	32.9	11,200	**6.29**	1.35	14,000	0.105	**5,740**	4	**322**	**243**
	HAC-04-24HRS SETTLING	2014 08 27	***3,410***	0.24	2.66	85.9	< 0.1	< 0.5	35	0.032	44,700	**1.37**	2.13	**198**	***2,240***	2.17	3.37	7,970	***118***	0.43	16.1	1.76	2,990	**3.9**	0.068	9,100	0.01	151	0.486	**10.4**	11.1
HAC05	HAC-05	2014 08 28	***318,000***	< 2	***278***	***4,850***	***15***	< 10	290	**4.42**	767,000	***156***	**335**	***21,200***	***345,000***	***229***	**380**	208,000	***15,100***	***2.9***	61.4	**177**	38,000	***20.6***	**9.26**	41,000	**0.51**	**9,340**	17.8	**1,170**	**1,310**
	HAC-05- 24HRS SETTLING	2014 08 28	***8,990***	0.51	***39.7***	469	2.02	< 1	67	**1.83**	577,000	**7.59**	**17.9**	***4,210***	***13,700***	8.2	7.9	17,500	***5,010***	0.444	15.1	19	9,600	**4.72**	< 0.02	23,300	< 0.02	42	2.16	**32.8**	**69.7**
HAC06	HAC-06	2014 08 28	***374,000***	< 2	***333***	***6,580***	***18.2***	< 10	360	***6.87***	1,120,000	***233***	**399**	***28,600***	***440,000***	***316***	**436**	299,000	***18,100***	***2.5***	54.6	**264**	50,700	***22.4***	**12.7**	54,500	**0.78**	**6,040**	***24.5***	**1,130**	**1,540**
	HAC-06- 24HRS SETTLING	2014 08 28	***1,660***	0.59	2.7	391	0.8	< 2.5	57	**2.02**	659,000	**1.14**	**17.6**	***1,860***	***7,750***	0.47	8.1	18,300	***5,840***	0.407	21	23	10,200	**4.19**	< 0.05	23,600	< 0.05	58	1.13	**8**	48

Associated ALS files: L1500203, L1500608, L1501501, L1501554, L1502400, L1503098, L1503928, L1503934, L1503943, L1504261, L1504997, L1505933, L1506592, L1506998, L1507958, L1507977, L1508649, L1509589, L1509671, L1510294, L1510298, L1510307, L1510744, L1511205, L1511213, L1511248, L1511774, L1511886, L1511905, L1512696, L1513375, L1509636, L1512755, L1513819, L1514720, L1514721, L1517427, L1518126, L1518270, L1518273, L1519004, L1519926, L1516311, L1520448, L1520934, L1522031, L1522038, L1522609, L1523559.

All terms defined within the body of SNC-Lavalin's report (available upon request).

< Denotes concentration less than indicated detection limit or RPD less than indicated value.

- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and or Temperature or Hardness or Chloride

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] Stream criteria applies to deviation from optimum fish species temperature range. In this case, a reference to ambient is made since the background range (Minnow, 2014) is ~0-20.8°C (upper Hazeltine Creek).

[h] Calculated based on an individual sample basis, not average result basis.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

[k] Based on a change from background at any one time. Prebreach range (Minnow, 2014) 0.34-6.99 NTU and <3-18 mg/L TSS.

TABLE 4b: Summary of Analytical Results for Mount Polley, Hazeltine Creek - Blanks DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Physical Parameters									Total Inorganics										
			Hardness (mg/L)	pH (field) (pH)	pH (pH)	Temperature (field) (C)	Turbidity (NTU)	Conductivity (µS/cm)	TDS (mg/L)	TSS (mg/L)	DOC (mg/L)	Total Nitrogen (N) (mg/L)	Ammonia Nitrogen (µg/L)	Nitrate Nitrogen (µg/L)	Nitrite Nitrogen (µg/L)	Nitrate+Nitrite Nitrogen (µg/L)	Chloride (mg/L)	Fluoride (µg/L)	Sulphate (mg/L)	Total Alkalinity (as CaCO3) (mg/L)	Ortho-phosphate (mg/L)	Total Phosphorus (mg/L)
BC Standards																						
BCWQG Aquatic Life (AW)[b,c]			n/a	6.5-9.0	6.5-9.0	+/-1 Degree change from ambient[g]	Change of 8	n/a	n/a	Change of 25	n/a	n/a	700-24,500[d]	32,800	60 (Cl<2)	32,800[f]	600	1324-1592[d]	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a		Change of 2[k]	n/a	n/a	Change of 5[k]	+20% of median background	n/a	135-17,700[d]	3,000	20 (Cl<2)	3,000[f]	150	n/a	128-309[d]	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			n/a	6.5-8.5	6.5-8.5	n/a[j]	Change of 1	n/a	n/a	n/a	n/a	n/a	n/a	10,000	1,000	10,000[f]	250	1,000	500	n/a	n/a	0.01
Canadian Drinking Water Quality (DW)[e]			n/a	6.5-8.5	6.5-8.5	n/a[j]	n/a[j]	n/a	500	n/a	n/a	n/a	n/a	10,000	1,000	n/a	250	1,500	500	n/a	n/a	n/a
HAD-FIELD BLANK	FIELD BLANK	2014 08 22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	HAC01-FB	2014 08 27	< 0.5	-	***5.99***	-	< 0.1	< 2	< 10	< 3	-	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]
HAD-TRAVEL BLANK	TRIP BLANK	2014 08 27	< 0.5	-	***5.65***	-	< 0.1	< 2	< 10	< 3	-	< 0.05	< 5	< 5	< 1	-	< 0.5	< 20	< 0.5	< 1	< 0.001	< 0.002[a]

All terms defined within the body of SNC-Lavalin's report (available upon request).

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- Denotes analysis not conducted.

n/a Denotes no applicable standard.

* RPDs are not normally calculated where one or more concentrations are less than five times MDL.

SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

Concentration greater than 5x laboratory detection limit

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and or Temperature or Hardness.

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] Stream criteria applies to deviation from optimum fish species temperature range. In this case, a reference to ambient is made since the background range (Minnow, 2014) is ~0-20.8°C (upper Hazeltine Creek).

[h] Calculated based on an individual sample basis, not average result basis.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

[k] Based on a change from background at any one time. Prebreach range (Minnow, 2014) 0.34-6.99 NTU and <3-18 mg/L TSS.

TABLE 4b: Summary of Analytical Results for Mount Polley, Hazeltine Creek - Blanks DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Dissolved Metals																										
			Dissolved Aluminum (µg/L)	Dissolved Calcium (mg/L)	Dissolved Iron (µg/L)	Dissolved Magnesium (mg/L)	Dissolved Manganese (µg/L)	Dissolved Potassium (mg/L)	Dissolved Sodium (mg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Lithium (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Standards																													
BCWQG Aquatic Life (AW)[b,c]			100[d]	n/a	350	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Aquatic Life (30day) (AW)[b,c,h]			50[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BCWQG Drinking Water (DW)[b,c]			200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Canadian Drinking Water Quality (DW)[e]			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
HAD-FIELD BLANK	FIELD BLANK	2014 08 22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	HAC01-FB	2014 08 27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAD-TRAVEL BLANK	TRIP BLANK	2014 08 27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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SHADED Concentration greater than BCWQG Aquatic Life (AW) guideline.

BOLD Concentration greater than BCWQG Drinking Water (DW) guideline.

SHADED Concentration greater than BCWQG Aquatic Life (30day) (AW) guideline.

BOLD Concentration greater than or equal to Canadian Drinking Water Quality (DW) guideline.

Concentration greater than 5x laboratory detection limit

[a] Laboratory detection limit out of range.

[b] British Columbia Approved Water Quality Guidelines 2006 Edition, updated 2014.

[c] A Compendium of Working Water Quality Guidelines for British Columbia, updated August 2006.

[d] Guideline varies with pH, and or Temperature or Hardness.

[e] Health Canada Drinking Water Guidelines, 2012.

[f] Guideline for Nitrate applied.

[g] Stream criteria applies to deviation from optimum fish species temperature range. In this case, a reference to ambient is made since the background range (Minnow, 2014) is ~0-20.8°C (upper Hazeltine Creek).

[h] Calculated based on an individual sample basis, not average result basis.

[i] Secondary chronic or chronic value, not 30 day mean.

[j] Guideline not applicable for site situation.

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TABLE 4b: Summary of Analytical Results for Mount Polley, Hazeltine Creek - Blanks DRAFT

Sample Location	Sample ID	Sample Date (yyyy mm dd)	Total Metals																											
			Aluminum (µg/L)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Bismuth (µg/L)	Boron (µg/L)	Cadmium (µg/L)	Calcium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Iron (µg/L)	Lead (µg/L)	Lithium (µg/L)	Magnesium (µg/L)	Manganese (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Potassium (µg/L)	Selenium (µg/L)	Silver (µg/L)	Sodium (µg/L)	Thallium (µg/L)	Titanium (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
BC Standards																														
BCWQG Aquatic Life (AW)[b,c]			n/a	20	5	5,000	n/a	n/a	1,200	0.0325-0.0575[d]	n/a	1 (Cr(+6))	110	11.2-19.9[d]	1,000	79.5-184.8[d]	870	n/a	1619-2634[d]	Methyl mercury analysis in progress	2,000	25-150[d]	373,000-432,000	2	0.1-3.0[d]	n/a	0.3	2,000	300	6	38.9-108[d]
BCWQG Aquatic Life (30day) (AW)[b,c,h]			n/a	n/a	n/a	1,000	5.3[i]	n/a	n/a	n/a	n/a	n/a	4	3.9-7.6[d]	n/a	6.4-10.5[d]	14[i]	n/a	1036-1441[d]		1,000	n/a	n/a	n/a	0.05-1.5[d]	n/a	n/a	n/a	n/a	n/a	13.1-82.5[d]
BCWQG Drinking Water (DW)[b,c]			n/a	14	25	n/a	4	n/a	5,000	n/a	n/a	n/a	n/a	500	n/a	50	n/a	n/a	n/a	1	250	n/a	n/a	10	n/a	n/a	2	n/a	n/a	n/a	5,000
Canadian Drinking Water Quality (DW)[e]			100	6	10	1,000	n/a	n/a	5,000	5	n/a	50	n/a	1,000	300	10	n/a	n/a	50	1	n/a	n/a	n/a	10	n/a	200,000	n/a	n/a	20	n/a	5,000
HAD-FIELD BLANK	FIELD BLANK	2014 08 22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.05	-	-	-	-	-	-	-	-	-	-	-
	HAC01-FB	2014 08 27	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	< 0.01	< 0.05	< 0.5	< 50	< 0.5	< 0.01	< 50	< 0.01	< 10	< 0.01	< 1	< 3
HAD-TRAVEL BLANK	TRIP BLANK	2014 08 27	< 3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.5	< 10	< 0.01[a]	< 50	< 0.5	< 0.1	< 0.5	< 30	< 0.05	< 0.5	< 100	< 0.05	< 0.01	< 0.05	< 0.5	< 50	< 0.5	< 0.01	< 50	< 0.01	< 10	< 0.01	< 1	< 3

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