



Mount Polley Mining Corporation

an Imperial Metals company

Box 12 | Likely, BC V0L 1N0 |

T 250.790.2215 | F 250.790.2613

Community Update

INSIDE THIS ISSUE

Mount Polley Care and Maintenance.....1

MPMC events.....1

Winter Monitoring and Sampling.....1-2

Hazeltine Creek Remediation Planting Project Update2

Mount Polley Mine: Care and Maintenance

- ◆ No changes to the environmental monitoring programs
- ◆ No closure research projects will be delayed
- ◆ Remediation of Hazeltine Creek will continue
- ◆ Workforce will be reduced to approximately ten people plus the environmental department

Winter Monitoring and Sampling



At Mount Polley, environmental monitoring and sampling does not stop once the snow falls and temperatures dip below zero. Every winter, the Environmental Department staff bundles up, straps on their snowshoes, and samples regular sites. It can be challenging as some water quality monitoring sites may be frozen; however, the field crews axe or auger through the ice and slush to check if sampling can occur.

Lake monitoring is different as there are many more factors that need to be taken into account. Safety of the field crews is priority. Sampling through the ice can also be very dangerous and there are specific safety protocols that must be followed, such as checking the thickness and integrity of the ice.

When a field crew samples on a frozen lake, mine rescue is notified and the team is put on standby in case a rescue is needed.

Field crew sampling through the ice on Quesnel Lake , February 2019

MPMC EVENTS

Quarter 1 2019

January 17:

Implementation Committee (IC) meeting with Williams Lake & Soda Creek Indian Bands

February 25:

Public Liaison Committee meeting (PLC) conference call

March 29:

Annual Report submitted to Ministry of Environment and Climate Change (ENV) and Ministry of Energy, Mines, and Petroleum Resources

March 29:

Remediation Plan submitted to ENV

Quarter 2 2019

May 29:

PLC conference call

May 31:

Mount Polley transitions into Care and Maintenance period



Snowpack station at Weather Station 1, on the north side of the mine, February 2019

Mount Polley maintains two climate stations on-site to monitor temperature, evaporation, precipitation, humidity, and wind speed. These weather stations automatically record data (except evaporation) every ten minutes.

In winter, the amount of snow has to be manually measured by using the federal standardized snowpack method in order to quantify the snow water equivalent (basically, how much water is present in the snow). This calculation helps Mount Polley anticipate its water management needs, especially during freshet.

Snowpack is measured by coring the snow and weighing it. This is done ten times at four different stations on site to average how much snow has

Hazeltine Remediation Planting Project Update

Mount Polley has been dedicated over the last five years to remediating Hazeltine Creek. In addition to rebuilding fish habitat, another very important part is creating land habitat and stability on the banks and upland areas near the creek. This is achieved by planting native trees, shrubs, and grasses.

What has been planted so far and how many?

- ◆ Shrubs (eg. Prickly rose): 355,112
- ◆ Conifers (eg. Douglas fir): 192,480
- ◆ Willow wattles: 10,500 to 21,000

Where have these plants been planted?

- ◆ Upper Hazeltine Creek from the Polley Lake weir to one kilometer downstream of the Gavin Lake road bridge
- ◆ Lower Hazeltine from the Ditch road bridge to Quesnel Lake
- ◆ Quesnel Lake shoreline

What is in the grass seed mix used and how much has been seeded?

- ◆ Mount Polley uses a proprietary native grass seed blend of:
 - 25 % Mountain Brome
 - 10 % Native Red Fescue
 - 14.31 % Rocky Mountain Fescue
 - 25 % Bluebunch Wheatgrass
 - 25 % Blue Wildrye
 - 0.014 % Fireweed
 - 0.68 % Big Leaf Lupine
- ◆ Total area seeded with native grass seed blend: 136 hectares



Examples of native species that have been planted in reclaimed areas on the Mine site. Clockwise from top left: willow wattles, black twinberry, prickly rose and red osier dogwood.

Please visit the Imperial Metals website for more information about MPMC’s reports and ongoing projects:

<https://www.imperialmetals.com/our-operations/mount-polley-mine/mount-polley-updates>