



Mount Polley Mining Corporation
an Imperial Metals company
Box 12 | Likely, BC V0L 1N0 |
T 250.790.2215 | F 250.790.2613

Community Update

Introduction

Welcome to Mount Polley Mining Corporation’s (MPMC) December 2017 Community Update newsletter providing the local communities with information about what is happening at the mine.

If you have any ideas for information that you would like to have included in the upcoming Community Updates, please do not hesitate to send an email to Colleen Hughes at chughes@mountpolley.com.

Wildlife at Mount Polley: Northern Pygmy Owl



Northern Pygmy Owl observed on the Quesnel Lake shoreline, December 2017

The Northern Pygmy Owl (*Glaucidium gnoma*), pictured left, is native to North America. There are four recognized subspecies:

- ◆ G.g. swarthy
- ◆ G.g. grenelli
- ◆ G.g. californicum
- ◆ G.g. pincola

G.g. californicum is the most widespread sub-species, ranging from the northern interior of British Columbia into Alberta and reaching south to Nevada and California.

These owls reach a length of approximately 7—7.5 inches and weigh 2.2 – 2.6 ounces. They lack ear tufts and have distinctive white spots on its brown head. These owls have two black patches on its nape which resemble a pair of eyes. They hunt by day and are most active at dawn and dusk. The subspecies, G.g. swarthy, is listed as species of special concern in BC.

References: <http://www.owling.com/northern-pygmy-owl-biology/>
Fenger et al. *Wildlife & Trees in British Columbia*. Lone Pine, 2006.



Bull moose near Hazeltine Creek, November 2017

Inside this issue

Introduction	1
Wildlife at Mount Polley: Northern Pygmy Owl	1
Safety at Mount Polley: Safety Achievement Program	2
Mine Rescue	2
2017 MPMC past events	2
Reclamation Update: Hazeltine Creek Rehabilitation	3
Polley Flats	3
Planting	3
Personnel Profile—Stephen Monninger	4

Fall 2017 MPMC Events:

September 7:

Site Tour — Mount Polley

September 29:

Communication Plan
consultation—Likely, BC

October 5:

Public Liaison Committee
meeting, and update —
Mount Polley

November 16:

Public Liaison Committee
meeting, and update —
Mount Polley

November 16:

Public meeting to review
the Conceptual
Remediation Plan—
Williams Lake, BC

November 17:

Public meeting to review
the Human Health and
Ecological Risk
Assessments—Likely, BC

2018 MPMC Events:

MPMC events will continue
in 2018. Stay tuned!

Safety at Mount Polley

Safety Achievement Program

The Safety Department has implemented a Safety Achievement Program (SAP) for all on-site employees at MPMC. The SAP is based on a system that recognizes team and individual safety performance. When a level of safety performance is achieved, employees receive a gift card as a safety achievement award. Between August and October 2017, MPMC was pleased to have given out over 1000 gift cards.

In addition, there are draws for bigger prizes including quads, boats, trips and events. These draws are quarterly for the hourly employees, and bi-annually for staff. The next draw prize will be held in January 2018 for both staff and hourly employees.



A Mine Rescue team member rescuing the training mannequin from a “working at height” scenario.

Mine Rescue

Twice a year, MPMC provides certification training for employees interested in Mine Rescue response. 2017 saw 17 new members to our Mine Rescue response team bringing our total to over 70. Mine Rescue personnel practice on a regular basis to prepare for response to aid fellow co-workers in times of need. These ladies and gentlemen train hard to ensure the safety of their fellow workers and are well prepared to rescue those in need.

MPMC sends a Mine Rescue team to the annual Mine Rescue competition. Last year, they placed first in the Mine Rescue First Aid and third overall for their zone.



Crews planting native shrubs along Reach 2 of upper Hazeltine Creek, October 2017

Reclamation Update

Hazeltine Creek Rehabilitation

This year's Hazeltine Creek channel re-orientation and habitat installation with guidance from Steve Hocquard, Golder Associates and Envirowest is complete. The 2017 work extended from Reach 1 (completed in 2016) to immediately upstream of the Gavin Lake Road bridge (Reach 2) for a distance of approximately 1.25 kilometers.

Long Term Water Discharge

Quesnel Lake Pipeline Installation

Construction of the direct pipeline from the water treatment plant (WTP) to Quesnel Lake was completed at the end of November; this pipeline separates Hazeltine Creek from the diffuser ports.

Treated water from the WTP will no longer be deposited into Hazeltine Creek due to the completion of the Quesnel Lake pipeline. This is an important step into returning Hazeltine Creek to its, once again, fish bearing state.

As required by the *Environmental Management Act* Permit 11678, the pipeline must undergo a pressure and leak test performed by a qualified professional and approved by the Director prior to service.

The 6.5 kilometer buried pipeline will be regularly inspected and maintained as outlined in Metal Mining Effluent Regulations requirement and Permit 11678.

Polley Flats

Approximately 350,000 tonnes of tailings were removed from 13.9 hectares in the Polley Flats. This removal exposed native topsoil, peat, and subsoil which enabled surface roughening, mounding, application of coarse woody debris, and installation of small mammal and avian habitat features.

Planting

Upland areas in Reach 2 of Hazeltine Creek have been prepared for planting. The work included removal of tailings residues, placement of coarse woody debris, and installation of avian perching and small mammal denning sites.

Fall planting and seeding commenced in October. Native seeds have been collected for direct seeding and seedling production for future upland and lower floodplain planting.

An invasive plant inventory survey was completed and this data will be used to develop future invasive plant management strategies.

MPMC Personnel Profile—Stephen Monninger

Welcome to the MPMC Personnel Profile of the Community Update Newsletter. This section features a member of the MPMC workforce and focus on their contribution to the company and community.



Stephen Monninger joined MPMC as the Environmental Superintendent on October 2, 2017. Although Stephen is a US citizen, he has lived and worked in Canada for the last 6 years: 2 years of consulting in Vancouver followed by 4 years as Environmental Manager at a diamond mine in northern Ontario. In a career that has spanned almost 40 years (yes, he is old), Stephen has experience in mine operations, engineering/planning, and mine geology. Following a 2-year break to obtain a Master's Degree in Environmental Engineering, his career then turned to Environmental Management within both the mining and the oil & gas industry as well as work on SuperFund sites (Contaminated Lands).

During his career, Stephen has lived in various places around the western US where he was able to pursue his passion, fly fishing the great trout waters of the west as well as a few places around the globe. He has guided in both Montana and Wyoming but pursues his passion just because it's so much fun. Stephen is eager to explore the waters of his new home and is looking for folks who share his passion for fly fishing, to show him all their secret spots.

He recently bought a house in Likely within throwing distance of the Quesnel River and considers that to be a sign from heaven and a good way to start his latest adventure in the Cariboo.

Mount Polley Mining Corporation wishes everyone Happy Holidays!

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>