



# COMMUNITY UPDATE Q2 2021



Mount Polley Mining Corporation  
an Imperial Metals company  
Box 12, Likely, BC V0L 1N0





### **A letter from the Mount Polley Team,**

We hope everyone is continuing to stay safe and healthy throughout the pandemic and the extreme wildfire season. We join our broader community as we recognize and commemorate the tragic and painful history and ongoing impacts of residential schools and to honour those who were lost and the survivors, families and communities who continue to grieve. At Mount Polley, we are honoured to engage, collaborate, and partner with local Indigenous communities recognizing the unique heritage, diverse cultures, and contributions of Indigenous People across Canada.

**A Covid-19 update** - Mount Polley continues to take additional precautions to minimize the risks of COVID19 transmission and illness as recommended by the Provincial Health Officer. Everyone attending the mine site is required to complete a daily COVID-19 Questionnaire before entering the site and will be turned away if showing symptoms of illness.

# MOUNT POLLEY MINE: CARE AND MAINTENANCE

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Below we highlight key areas of focus with regards to Mount Polley mine's care and maintenance:

1. The environmental monitoring programs continue and are on track

2. Closure research projects continue as planned

3. Remediation of Hazeltine Creek continued at Lower Hazeltine, projected to be complete in 2021

4. CANMAG continues to ship magnetite throughout Q2

5. Site water management continues, including the near-continuous operation of the Water Treatment Plant

# ENVIRONMENTAL MONITORING UPDATE

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Quarter 2 routine monitoring activities completed:

- Weekly Water Treatment Plant (WTP) water quality sampling including monthly/quarterly toxicity sampling
- Monthly water quality sampling at Hazeltine Creek
- Monthly & Quarterly water quality sampling of surface & mine affected waters including groundwater, mine seepage
- Flow monitoring
- Polley Lake, Bootjack Lake, Quesnel Lake water quality sampling
- Water quality sampling and monitoring of in pit treatment at Springer and Cariboo pits
- Monthly/quarterly site inspections
- Reporting—monthly, quarterly, annual
- Specialized monitoring components including plankton, diffusive gradient in thin-film deployment and retrieval, wildlife
- CEMP development/revision

**Environmental monitoring is conducted in accordance with the Environmental Management Act (EMA) Permit 11678 and the Comprehensive Environmental Monitoring Plan (CEMP) requirements.**





*Figure 1 Measuring flow in Edney Creek*



*Figure 2 Water sampling on Polley Lake*

# WATER TREATMENT PLANT UPDATE

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In Quarter 2, the WTP treated 1,568,163 m<sup>3</sup>, with an average discharge rate of approximately 0.2 m<sup>3</sup>/second.

The plant operated continuously for most of Quarter 2. Water quality samples were collected weekly at the WTP influent (E19) and effluent (HAD-3) sites throughout the quarter.

## **Permit 11678 Amendment Application**

MPMC has surplus water stored on site that meets the effluent permit water quality limits.

MPMC applied to BC-ENV to discharge the surplus water directly to Quesnel Lake. A

Technical Assessment Report in support of the permit amendment application was submitted to BC-ENV.

# WATER TREATMENT PLANT

Total and Dissolved Copper Concentrations (mg/L) at HAD-3 and E19

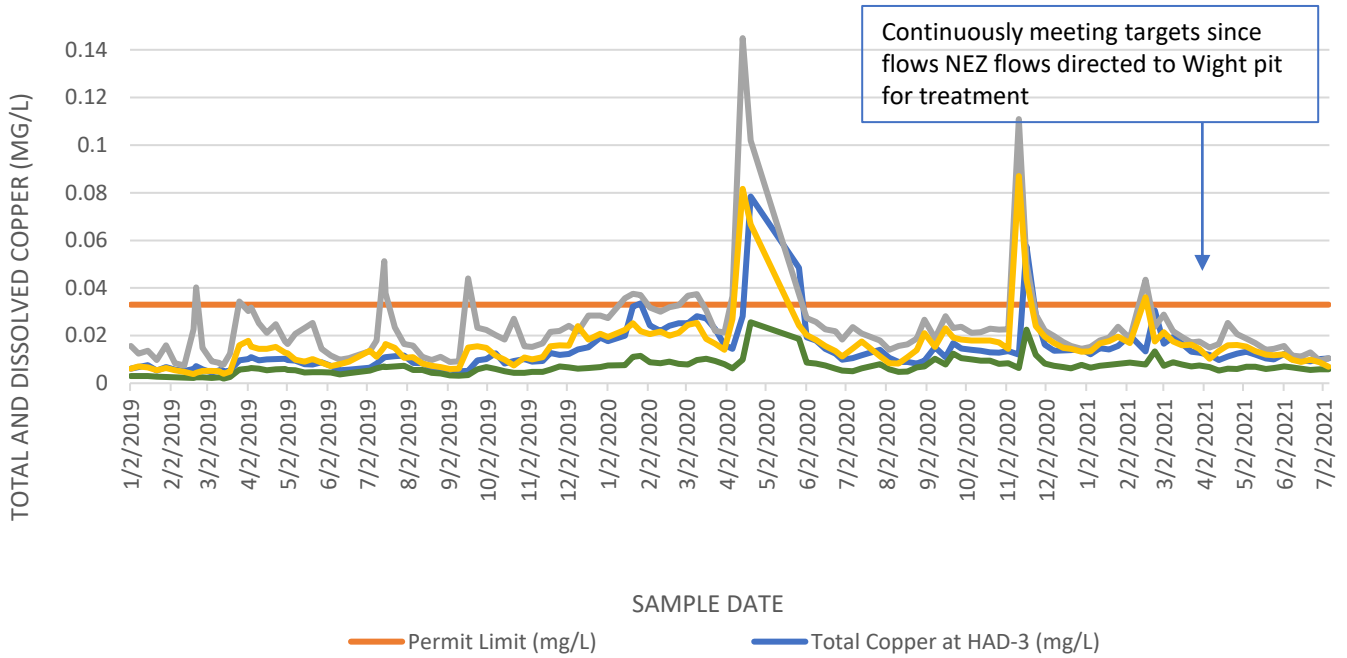


Figure 3 Copper concentrations at the water treatment plant

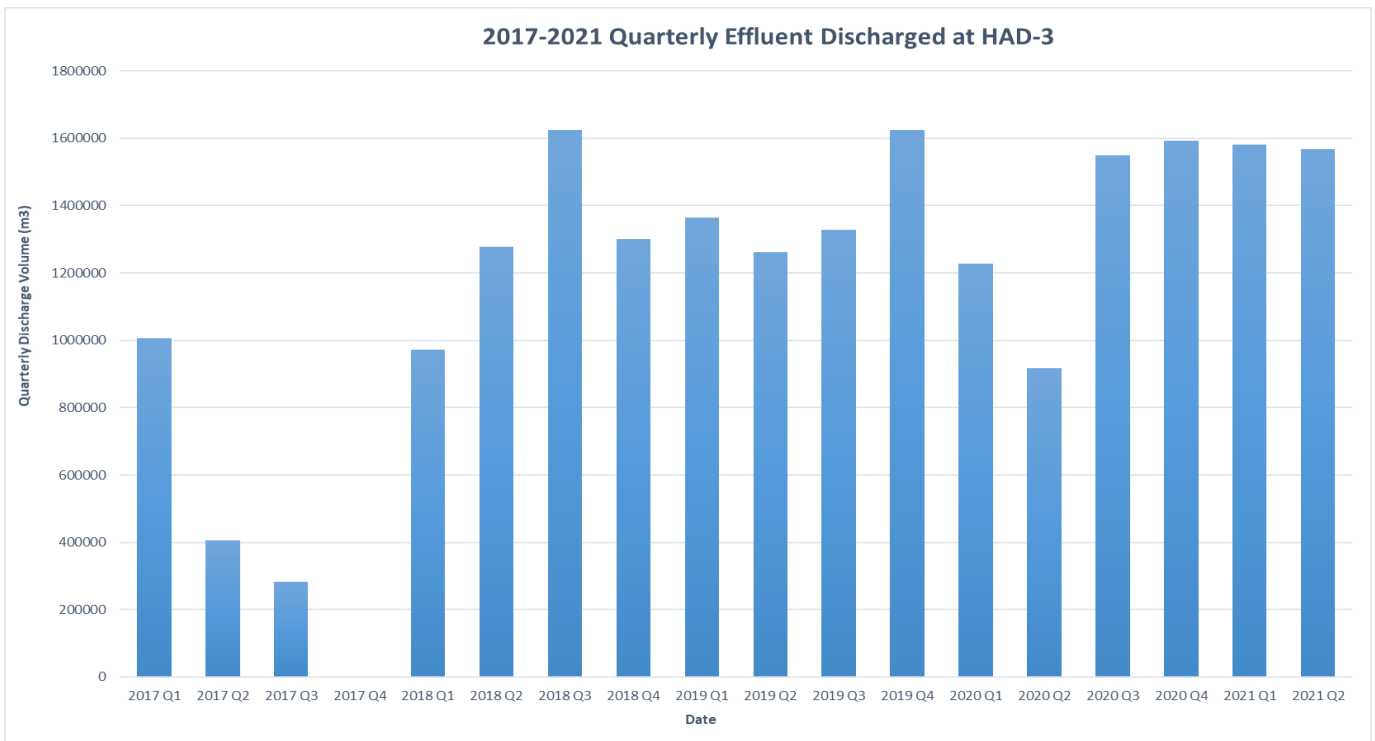


Figure 4 Quarterly effluent discharge volumes



# HAZELTINE AND EDNEY CREEK REMEDIATION

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Planting took place in the lower reaches of Hazeltine and Edney Creeks in Q2 2021. Seedlings are propagated from locally collected seed and sent back to the mine for planting. A total of 61,030 seedlings were planted this spring. In addition to the seedlings the ground cover seeding that was completed in the fall is emerging. Planned construction work will commence in July.

Construction is planned for Reach 5 in Lower Hazeltine Creek and will represent the last of the instream work for the project. There is ~700m of instream work to be completed downstream of the Ditch Road bridge that will key into existing work. To facilitate the work; fish exclusion fences will be installed followed by a comprehensive fish salvage. Once cleared of fish a water bypass pipe will be installed to dewater the worksite and pool/riffle/run construction templates will be applied depending on site specific conditions.

## Remediation Update Gallery



*Figure 5 Reach 5 of Hazeltine Creek where 2021 construction is planned*





*Figure 6 Newly planted alder seedlings*



*Figure 7 Water bypass pipeline used to dewater remediation worksite*

# MPMC EVENTS

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*Quarter 2, 2021*

April 7

**Public Liaison Committee (PLC) Meeting via conference call**

*Quarter 3, 2021*

July 14, 2021

**Public Liaison Committee (PLC) Meeting via conference call**

September 2021 (Date TBD)

**Annual Community Meeting and Tour – In person, outdoors**

# RESOURCES

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[mountpolley.com](http://mountpolley.com)

[imperialmetals.com](http://imperialmetals.com)

BC Mine Information Page: <https://mines.nrs.gov.bc.ca/>

BC Ministry of Environment Natural Resource and Enforcement Database:  
<https://a100.gov.bc.ca/pub/ocers/searchApproved.do?submitType=menu>

*If you have any questions regarding the Community Update, please email Gabriel Holmes at [gabriel.holmes@mountpolley.com](mailto:gabriel.holmes@mountpolley.com)*