Mount Polley Mining Corporation

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

June 25, 2015

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

WEEKLY POST-TSF BREACH REPORT – JUNE 17 - 23, 2015

Water Management

Polley Lake Dewatering	Polley Lake water elevation = 922.54m (June 23rd) The Polley Lake weir valve remained open this week to allow ~0.2 m^3/s of outflow from Polley Lake into Hazeltine Creek.
TSF Water Management	All water from the Tailings Storage Facility (TSF) water collection system continues to be transferred to the Springer Pit via the Central Collection Sump. No releases of water to the environment occurred this week. Please refer to the May 28th, 2015 weekly report for an overview map of the TSF water management system.

Government, First Nations and Stakeholder Engagement

Publications and Website Updates	Mount Polley will continue to present interpreted environmental monitoring results and updates on remediation work on the Mount Polley Updates page of the Imperial Metals website (www.imperialmetals.com). The Post-Event Environmental Impact Assessment Report Key Findings summary and technical appendices were posted on June 18th.
Engagement Activities and Communications with Regulators	Activities relating to government, First Nations, and stakeholder communication and engagement this week included: • The weekly Ministry of Environment (MoE) update call on June 17th. • Participation in the MoE Likely community meeting on June 22nd. • Participation in the Northern Secwepemc Community Meeting at Sugar Cane on June 23rd.

Sediment and Erosion Control Measures

Silt Curtain	The turbidity barrier (silt curtain) installed in Quesnel Lake near the outlet of the constructed Edney (Hazeltine) Creek channel, downstream from the Lower Hazeltine Creek sedimentation ponds, is in good condition.
Monitoring	Environmental monitors are monitoring ongoing sediment and erosion control and rehabilitation work. This monitoring is being conducted by Mount Polley Mining Corporation (MPMC) staff. Inspections of the constructed Hazeltine Creek channel and unreclaimed diversion ditches were conducted during the heavy rainfall on June 19th.
Hazeltine Creek Rehabilitation	This week, re-contouring of areas on the west side of Hazeltine Creek and application of woody debris and organics for erosion control and reclamation purposes continued between the 4,000m and 5,200m marks of the channel (Polley Lake = 0m), and commenced between 3000m and 3800m. Additional scattering of woody debris was conducted in the upland areas adjacent to the Ditch Road near Lower Hazeltine Creek.

TSF Construction

Construction Update	The amendment to permit M-200 approving repair of the TSF breach to manage 2015 freshet was received from the Ministry of Mines on December 17th, 2014. Buttress placement for the Perimeter Embankment is ongoing; all other work associated with the 2015 Freshet Management Embankment construction is complete.

Water Quality Monitoring Program

Water Quality Monitoring Program

The current water quality monitoring program is outlined in the table below. No changes to the monitoring program occurred this week and all monitoring was completed as scheduled.

Area	Monitoring Type	Frequency	Stations
Polley Lake	Samples	Monthly	P1, P2
	Profiles	Bi-monthly	P1, P2
Hazeltine Creek	Samples	Weekly	HAC-01b
		Monthly	HAC-05, HAC-08, HAC-10
Edney Creek	Samples	Weekly	EDC-02
		Monthly	EDC-01
Quesnel Lake	Profiles	Weekly	QUL-54, QUL-55, QUL-56
	Profiles	Bi-monthly	QUL-21a, QUL-18, QUL-66a, QUL-2a, QUL-79
	Profiles	Monthly	QUL-40a, QUL-120a
	Samples	Weekly	QUL-55
	Samples	Monthly	QUL-2a, QUL-18, QUL-40a, QUL-120a
Quesnel River	Samples	Bi-monthly	QUR-1

Please refer to previous weekly reports, such as the May 7th, 2015 report, for a map of these sampling locations.

Continuous Monitoring

The monitoring program also includes a sonde (datalogger) that is deployed in the Quesnel River at monitoring station QUR-1. The sonde measures field parameters (turbidity, pH, specific conductance, dissolved oxygen, and temperature) every 15 minutes. A second sonde, which measures the same parameters at the same frequency, is deployed at the outlet of the Lower Hazeltine Creek sedimentation ponds.

Results

Figure 1 shows a time series graph for this week of daily field turbidity readings in Lower Hazeltine Creek upstream and downstream of the sedimentation ponds (stations HAC-09 and HAC-01b, respectively), and in Edney Creek downstream of the confluence with Hazeltine Creek (station EDC-02). Figure 2 shows turbidity levels at these sites over a longer time period to provide context for this week's data. Note that heavy rainfall (approximately 25mm) occurred on June 19th.

Figure 3 shows a turbidity and temperature profile from June 18th at site QUL-18, which is downstream of Hazeltine Creek in the deepest part of the Quesnel Lake West Basin.

Figure 4 shows a time series graph of turbidity at site QUR-1. Turbidity data are from laboratory analysis completed by ALS Environmental. This chart will be updated on a bi-monthly basis, as per the monitoring frequency of this site in the sampling program.

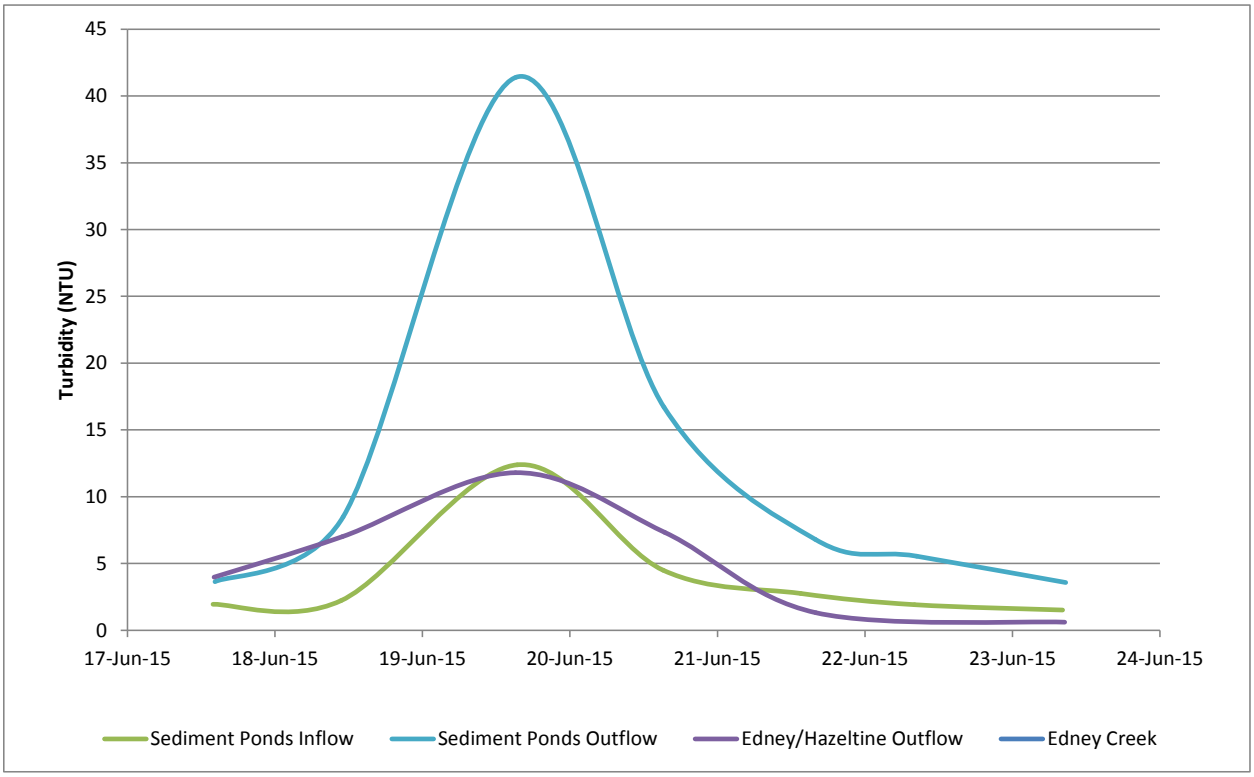

Figure 1. Time series graph for June 17th – June 23rd showing turbidity levels at monitoring locations in Hazeltine and Edney Creeks

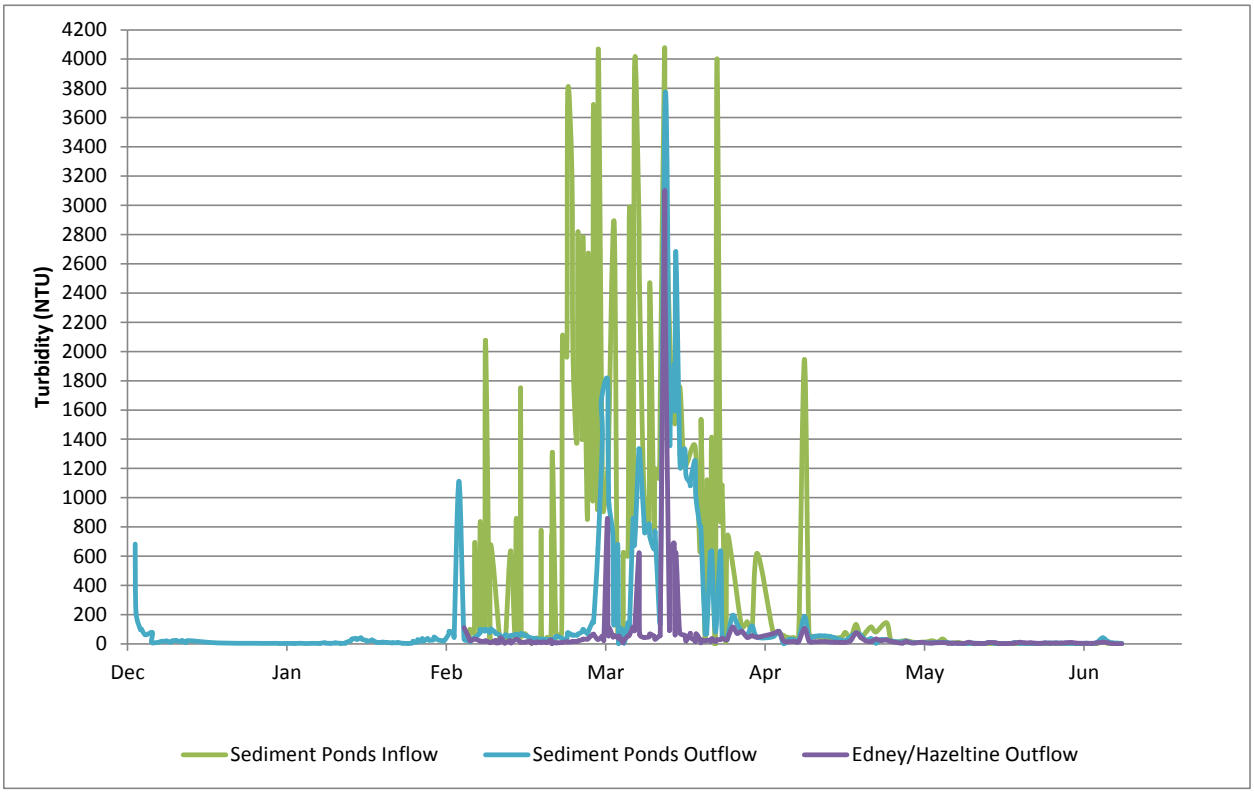

Figure 2. Time series graph for December 12th, 2014 – June 23rd, 2015 showing turbidity levels at monitoring locations in Hazeltine Creek

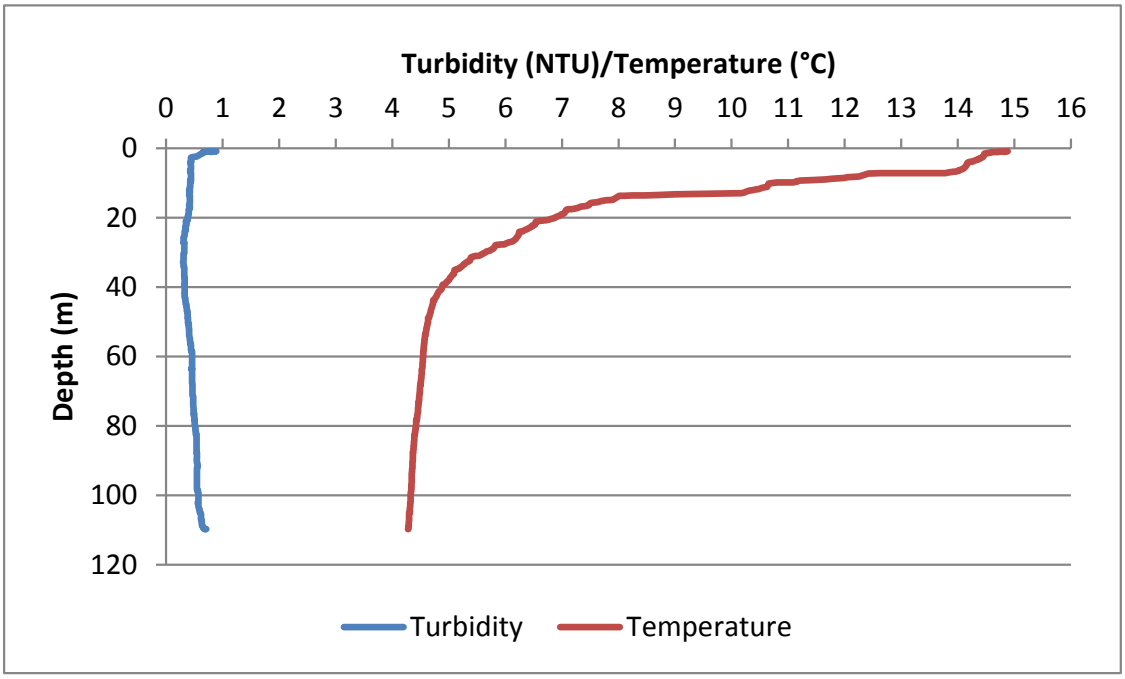

Figure 3. Turbidity and temperature profiles at station QUL-18 from June 18th

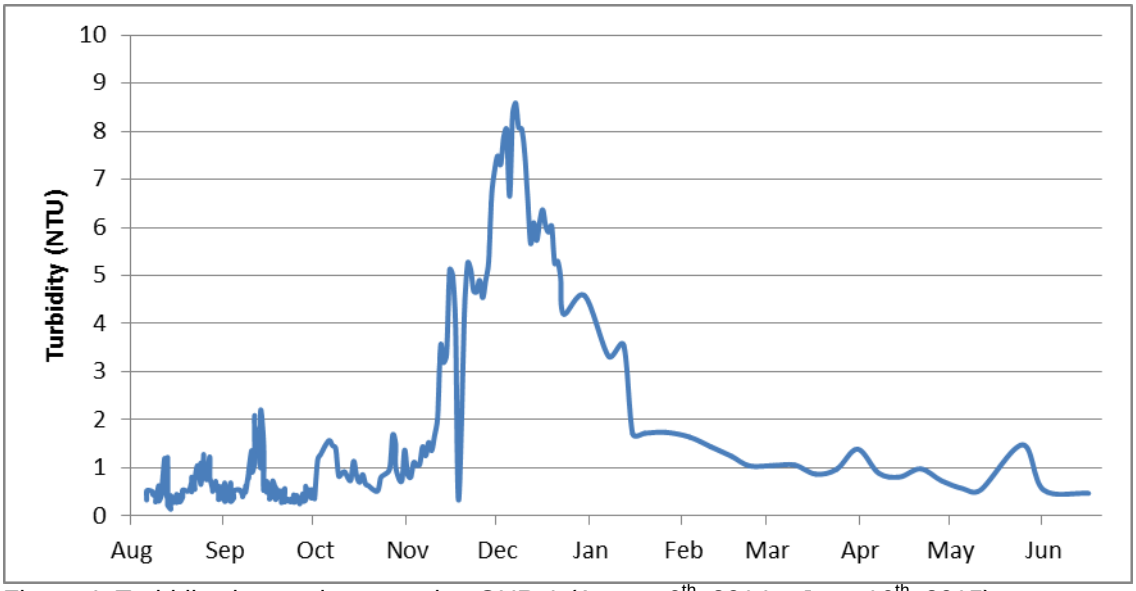

Figure 4. Turbidity time series at station QUR-1 (August 6th, 2014 – June 16th, 2015)