



Mount Polley Mining Corporation

an Imperial Metals company

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May 2016 Update

Spring has sprung at the Mount Polley Mining Corporation mine and our environmental monitoring crews have already been out collecting water quality samples from several creeks and rivers flowing into and out of Quesnel Lake. These include the Quesnel River (at QRRC and at the bridge), the Horsefly River, Cedar Creek, Edney Creek, lower Hazeltine Creek, and Quesnel Lake in the initial dilution zone at the end of the discharge pipe. Some total copper and turbidity measurements from recent sampling events are provided in the tables below.

Table 1: Turbidity measurements taken April 6 and April 11 in Quesnel River, Horsefly River, Cedar Creek, Quesnel Lake (near the mouth of Hazeltine Creek), Edney Creek and Hazeltine Creek.

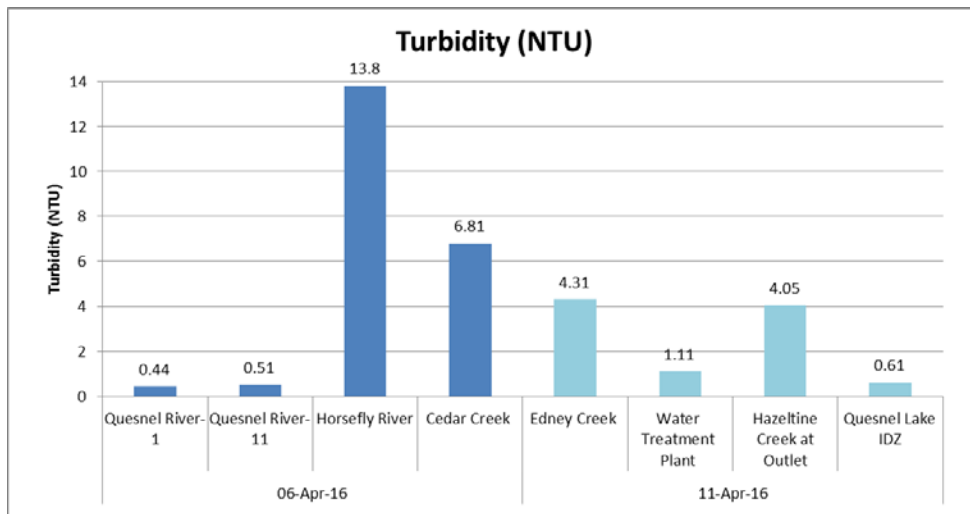
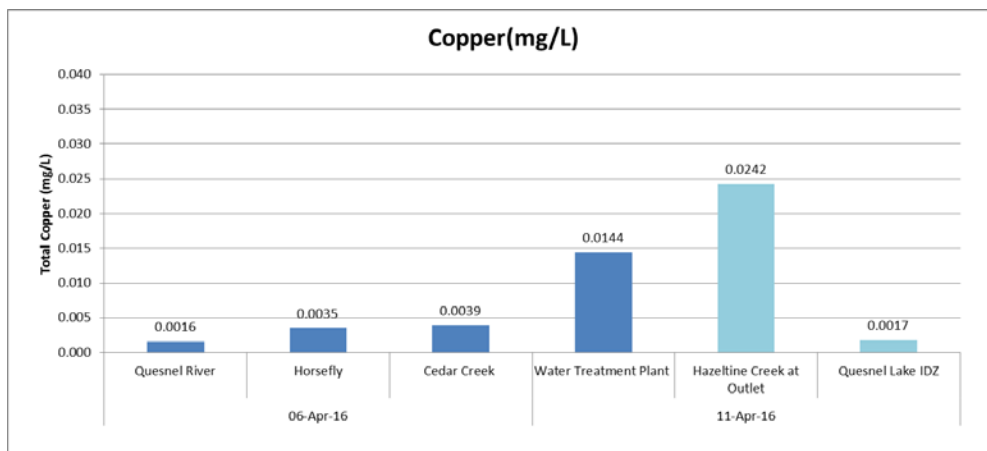


Table 2: Total copper results for Quesnel River, Horsefly River, Cedar Creek, on April 6th and Quesnel Lake IDZ (effluent plume location) on April 11th.



It is important to note that flow rates and total volumes of water vary in these rivers and creeks. The flow rate of the Quesnel River April 6th ranged between 74 and 84 m³/S and the flow rate of the Horsefly River on the same day ranged between 49 and 59 m³/S. On April 11th the flow rate from Hazeltine Creek into Quesnel Lake averaged 0.47 m³/S.

On April 22nd, MPMC informed the Likely District Chamber of Commerce Liaison, Mr. Doug Watt, and CRD representative, Ms. Joan Sorley, that we had had a few copper exceedances in our water samples from the discharge of water treatment plant so we ceased discharge on 20 April, 2016. We believe these exceedances were related to spring freshet and higher turbidity in the water collection systems. The treatment plant continued to remove the total suspended solids as it was designed to do. The copper values in the water on site were already dropping quickly so we think this will be (was) a very short-lived event. The good news is that the water in Quesnel Lake at the initial dilution zone (table 2) is still meeting all the most stringent BC water quality guidelines for aquatic life and there are no indications that Quesnel Lake has been affected.

It is interesting to compare in table 1 above the turbidity conditions in a number of other creeks and rivers flowing into Quesnel Lake to see that higher turbidity is quite common in the spring for creeks and rivers during snow melt. With higher flow rates creeks and rivers typically carry more suspended sediment. When water quality samples are taken of a water body with higher turbidity, metal values are also typically higher as the metals (table 2 copper example) are contained within the particulates that are causing the turbidity.

MPMC also continues to document as many wildlife sightings as we can. Recent reports include many black bears, deer, moose, chipmunks, and hundreds of Western Toads. To learn more about the Western Toad please check out the Ministry of Environment website at this [link](#).



Western Toad

Notice of Public Meeting Regarding Mount Polley Mine

Mount Polley invites all Likely Residents to join us for a presentation and discussion at the Likely Hall on May 25th at 7pm.

We welcome all to come out and learn about the recent happenings at the mine and to discuss the options for long term water management.