



# Mount Polley Mining Corporation

an Imperial Metals company

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## December 2016

### In the Community

In July 2014, Patenaude Creek was identified by watershed stakeholders as a suitable restoration candidate as a means to rectify the habitat loss sustained by Mine Drainage Creek on the Mount Polley Mining Corporation (MPMC) site in 2013.

Patenaude Creek is a tributary to Horsefly River that had encountered bank destabilization, gravel accretion and channel avulsion for over a decade. This disruption in habitat inhibited access for juvenile fish and enabled post-freshet stranding of rainbow trout and salmon. In accordance with fisheries management regulations, MPMC and their consultants developed an outline for the creek restoration project. The objectives included the stabilizing of the creek banks, creating fish spawning and rearing habitat, and maintaining access to the Patenaude Creek floodplain to limit stranding.

The habitat restoration project was completed in October 2015, with bi-annual monitoring and maintenance conducted in spring and fall for a minimum of 10 years. The restored habitat is expected to reach full ecological functionality within that time frame. During the fall monitoring in 2016, six adult Interior Fraser coho were spotted in Patenaude Creek; these may have been the first confirmed spawning salmon observed in the creek since the late 1990s (see Figures 1-2).



Figure 1. A male Interior Fraser coho documented in Patenaude Creek in November 2016.



Figure 2. A female Interior Fraser coho documented in Patenaude Creek in November 2016.

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/information>