



BC Crown Contaminated Sites Program Site Summary



Atlin Ruffner

Location: 59° 44' 24" N, 123° 30' 50" W

Status: Long-term Monitoring & Maintenance

The Atlin Ruffner mine site is located approximately 28 km northeast of Atlin, BC on the northwest slope of Mount Vaughan. Mining operations commenced in 1900 and continued intermittently until 1981.

Following receipt of a Hazardous Waste Regulation approval from the Ministry of Environment and Climate Change Strategy (ENV), The first phase of remedial works were undertaken in 2012 at the mill and tailings site that included building demolition and capping of the metals- contaminated soils with a one metre thick cover of sand and

gravel. The second phase of remedial works involved establishment of permanent road access to the site, construction of water diversion works, and placement of a bituminous geomembrane liner over the tailings and sedimentation ponds. This work was completed in 2017 and 2018. Groundwater monitoring wells were installed at the mill and tailings site in 2009 and continue to be monitored. In 2019, a confirmation of remediation report for the mill and tailings site was submitted to ENV and a long- term monitoring and maintenance manual was developed. Long-term monitoring and maintenance activities are ongoing at the mill and tailings site. In 2020, a revegetation contractor was procured to complete revegetation activities, including native species seed collection, propagation and planting.

An updated risk assessment was also completed for the mine workings area surrounding the mill and tailings site. Future management actions will be based on the risks the site contamination presents to human health and the environment.

If you have questions or would like more information, please contact the Crown Contaminated Sites Program by emailing contaminated.sites@gov.bc.ca or visit our website <https://www2.gov.bc.ca/gov/content/environment/air-land-water/site-remediation/contaminated-sites/crown-contaminated-sites-program>.