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MT. MILLIGAN COPPER-GOLD MINE PROJECT



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LANDSCAPE MANAGEMENT

Integrating Environmental Best Practices

Overview

The environmental design of the Mt. Milligan Project has benefited from almost 20 years of study. It is supported by an experienced planning team, an extensive environmental database, ongoing community consultation, and a comprehensive closure plan.

Employing mitigation measures approved through the British Columbia Environmental Assessment Process, the Project will result in no lasting negative residual effects on wildlife, fish and aquatic habitat, water resources, vegetation and plant communities, and on visual and aesthetic resources from the facilities at Mt. Milligan.

From the outset, Terrane's objectives for the Project have been to minimize the area of land disturbance, and to "design the mine for closure". Mt. Milligan will use proven closure approaches and technologies, restore lands affected by mining to a productive biological condition reflecting First Nations and local communities' desires, protect downstream aquatic resources and adjacent wildlife habitat, practice progressive reclamation during mining operations, and create a mine that will require minimal post closure monitoring and maintenance.

Highlights

- Minimizing the mine development footprint by utilizing a plan that clusters mine development into approximately 1,825 ha, spread over less than 5 km. This reduces the overall footprint of the development from the previously permitted plan (1993) by approximately 29%.
- Avoiding environmentally sensitive areas including Rainbow Creek. No lakes are used for tailings impoundment.
- Biophysical monitoring program to track different environmental components, ensuring that the Environmental Management System functions effectively.
- Wildlife, recreation and reclamation objectives are incorporated into each stage of Project planning, including use of native plants and First Nations' Traditional Knowledge.
- Assessment of alternatives while following best practices in waste and tailings disposal, water sourcing, metallurgical process, road access, transmission line right-of-way placement, concentrate load-out facility, and construction camp design.