

Technical Assessment Report Overview

Mount Polley Mine



Site Water Management Approach

- **Issue:** There is more rainfall on the site than can be used in mine operations or that evaporates (surplus water balance). Therefore, whether operational or not, the mine has to discharge water
- **Long term goal:** Distribute passively treated water to local watersheds
- **Next four years of permitted operations:** MPMC seeking an amendment to EMA Permit 11678 to continue to discharge treated water from site to Quesnel Lake without using Hazeltine Creek

Technical Assessment Report

- Plan to manage surplus mine site water
- Prepared by Qualified Professionals
- Demonstrate attainment of *Environmental Management Act* and Metal Mining Effluent Regulation requirements
- Show that downstream water uses are not impaired
- Support the amendment application for EMA Permit 11678

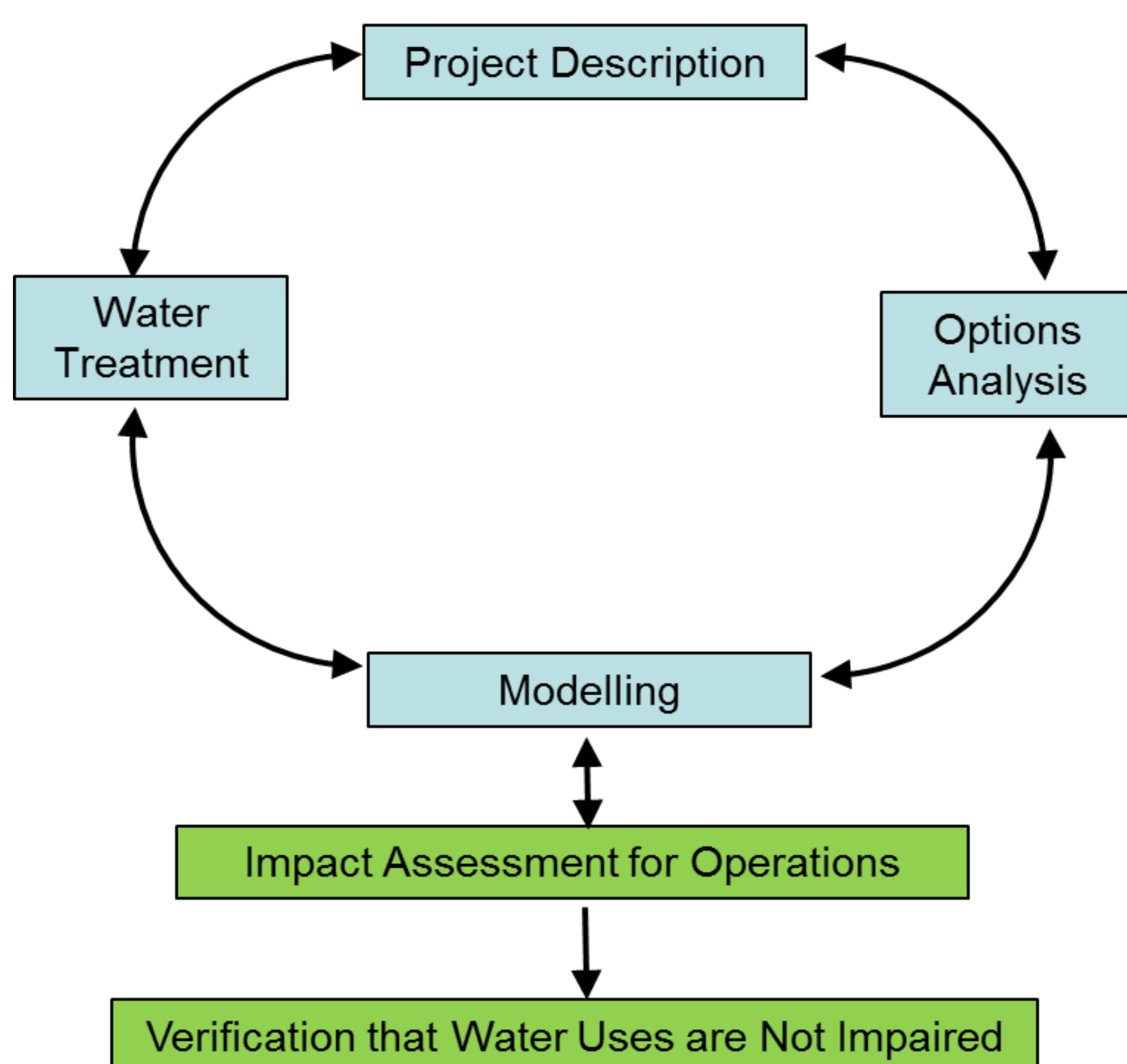


Proposed Site Water Discharges

- Treated water to Quesnel Lake: 0.33 m³/s average; 0.6 m³/s instantaneous
- Passive water discharge from Springer Pit through groundwater to Bootjack Lake - contingency scenario if pit water rises to more than 1030 m above sea level

MPMC Consultation: Water Management

- With regulators, First Nations, local community members, local governments
- Prior to and during development of the Technical Assessment Report
- 30-day formal consultation period following application submission



TAR Content: A series of inter-connected components

See Additional Posters

- Options Analysis for Discharge Location
- Water Balance and Water Quality Modelling
- Impact Assessment for Operations
- Water Treatment: (1) Operations (2) Closure
- Long-Term Water Discharge Monitoring

