

Stibnite Gold Project – Modified Proposed Action Summary

Mine Feature/Activity	Reasoning/Benefits
Development Rock Storage Facilities (DRSFs)	
➤ Eliminate West End DRSF	Reduce overall surface disturbance; benefits to GW/SW quality and SW temperature.
➤ Backfill Midnight Area pit	Prevent pit lake formation; benefits to GW/SW quality and SW temperature.
➤ Partially Backfill Hangar Flats Pit	Reduce lake depth from 600' to less than 200'; benefits to GW/SW quality and SW temperature.
➤ Haul Road modifications	Routing modifications required to accommodate other Mod-PRO modifications.
➤ Install geosynthetic covers on DRSFs	Evaluating low permeability covers to reduce infiltration and thus interaction of water with development rock; benefits to GW/SW quality.
➤ Pipe Low Flow in stream diversion channels	Low-flow piping in shallow subsurface of diversion channels; lowers stream temperature.
On-Site Lime Generation	
➤ Operate lime kiln on site	Process Middle Marble development rock in on-site lime kiln; reduce traffic into SGP by 10%.
Tailings Storage Facility	
➤ Pipe Low Flow in stream diversion channels	Low-flow piping in shallow subsurface of diversion channels; lowers stream temperature.
➤ TSF Liner Design	Low permeability geosynthetic liner incorporated into DRSF composite cover to reduce infiltration.
Surface Water Management	
➤ Divert Hennessy Creek in Open Channel (instead of boreholes into EFSFSR tunnel)	Route water away from Bradley Dumps; benefits to GW/SW quality and stream temperature.
➤ Retain Meadow Creek Interim Diversion around Hangar Flats Pit	Avoid connectivity with pit lake; combined with w/partial backfill, benefits to GW/SW quality and SW temperature.
➤ Extend Meadow Creek Liner	Prevent dewatering of stream; benefits to streamflow, temperature and aquatic habitat
➤ Divert Peak Meadow Creek Flows to Speed Pit Lake Fill	Recover cone of GW depression from pit dewatering more quickly; benefits to streamflow and aquatic habitat.
➤ Extend Flow to RIBs	Mitigate for dewatering during mining; benefits to streamflow and aquatic habitat.
Offsite Maintenance Facility	
➤ Move to Burntlog borrow site	Move to borrow site footprint 4 miles up Burntlog Route; retain historic nature of Landmark
Burntlog Route Modification	
➤ Route reconfiguration in Riordan Ck drainage	Rerouting to avoid/reduce wetland impacts, geohazards, and stream crossings; reduced relief and shorter length also reduces fuel consumption and GHG emissions.
Through Site Public Access (2 options)	
➤ Through-YPP/Around YPP options	Addresses public concerns re: current v. proposed access to Monumental Summit/Thunder Mtn Rd.
Powerline Route Modifications	
➤ Minor route modifications	Minor reroutes to reduce wetland impacts, address private landowner concerns.