



DECEMBER 2021

# EVERY VOICE COUNTS

LOCAL FEEDBACK IMPROVED THE STIBNITE GOLD PROJECT

## Supplemental Draft EIS expected in 2022

Years of environmental analysis and listening to agency and public input have improved the environmental outcomes of the Stibnite Gold Project and have helped advance the company's original vision of the restoration of an abandoned mine site through mining.

After reviewing public comments on the 2020 Draft Environmental Impact Statement, we identified opportunities to improve the environmental outcomes of the project. These changes will now be reviewed in a Supplemental Draft Environmental Impact Statement.

This is the National Environmental Policy Act (NEPA) at work.



## PROJECT IMPROVEMENTS

### ✦ IMPROVED WATER QUALITY

Changes to the project design, including eliminating a major development rock storage facility, adding geosynthetic caps and covers, and backfilling the Hangar Flats pit result in improved water quality and eliminate the need for permanent water treatment.

### ✦ IMPROVED WATER TEMPERATURE

Adding wider and taller riparian vegetation and creating a widened and deepened portion of the East Fork South Fork Salmon River channel decreases maximum water temperature to be at or below baseline conditions.

### ✦ REDUCED PROJECT FOOTPRINT

- 13% reduction in footprint over original design
- 10% reduction in mined material
- 70% reduction in size of Hangar Flats pit
- Complete backfill of Hangar Flats pit
- 168-acre disturbance reduction through eliminating the Fiddle Development Rock Storage Facility

# BRING MINING HOME



## HAVE YOUR VOICE HEARD

[www.PerpetuaResources.com/support](http://www.PerpetuaResources.com/support)



A public comment period on the project is coming soon. Every voice is important. Make sure yours is heard by signing up for project updates so we can tell you when its time to comment.

## WHY SUPPORT STIBNITE?



Abandoned Mine  
Restoration



Responsible  
Approach



Critical Mineral  
Production



Battery Storage  
Supply Chain

**ABANDONED MINE SITE RESTORATION:** The project is located on an abandoned mine site that is in desperate need of repair, and our project is designed to make the site better than it is today. The project will:

- Improve water quality by removing over 10.5M tons of legacy tailings and other mine waste and repairing the largest source of sedimentation in the drainage.
- Substantially reduce arsenic levels in surface water on site.
- Permanently open 21 miles of currently blocked fish habitat.
- Increase wetlands by 63% over baseline conditions.

**NEXT GENERATION:** Successful mining requires a modern approach. We are the next generation of responsible American mining that is committed to community partnerships and environmental responsibility.

- The project will bring 500+ direct jobs, with \$42 million in annual payroll and the company has committed to hire and purchase locally.
- The Stibnite Foundation will utilize profit sharing with the mine to ensure the economic benefits of the project are shared with the community and sustained long after the project.

**CRITICAL MINERAL PRODUCTION:** The Stibnite Gold Project will be the *only* U.S. mined source of the critical mineral antimony. A secure source of antimony is essential for our national defense and a clean energy future.

- 90% of the global supply is controlled by China, Russia and Tajikistan.
- Antimony is used in energy, defense and technology applications and is critical for products like semiconductors, solar panels, wind turbines, lead-acid and liquid metal batteries, military uniforms and ammunition.

**CLIMATE CHANGE SOLUTIONS:** A portion of the antimony from the project will go toward creating Ambri's liquid metal battery, a grid-scale storage battery that requires calcium and antimony.

- Our partnership will produce enough battery storage to power approximately 1 million American homes with solar power for 20+ years.
- The amount of clean energy stored by these batteries will offset the emissions from the project over the life of the mine.