

Environmental Management

Seabridge recognizes that mining affects the environment. Seabridge has worked with the provincial and federal governments, Aboriginal peoples, and local communities to minimize potentially adverse project effects, discuss options, and plan for successful mine closure and reclamation.

Project Design

Design provisions to protect the environment include:

- Tailing Management Facility (TMF) located in an area with easily managed surface water flows.
- TMF has a lined centre cell to contain sulphide bearing tailing.
- Water management plan for the proposed mining area to minimize effects on natural watercourses and treat affected water.
- Diversion tunnels to direct clean water around areas disturbed by mining.
- Hydro-electric generation of green energy in diversions and process streams.
- Use of energy efficient equipment will reduce energy consumption and greenhouse gas emissions.
- Conveyor to transport ore through a tunnel from the mine site to the processing plant.
- Use of existing access roads as much as possible to minimize additional road construction.
- Use of access roads limited to authorized personnel, along with restrictions on employee hunting and fishing, to prevent harvesting pressure on fish and wildlife.

The KSM Project has been designed, and will be developed and operated, using the highest practicable standards of environmental management.

Project Operations

Operating policies will include:

- Use of best environmental practices.
- Spill avoidance and spill control plans.
- Emergency response plans.
- Reduce, re-use, recycle initiatives to minimize waste.
- Ongoing energy efficiency initiatives.
- Adaptive management towards continual improvement.
- Ongoing community engagement.

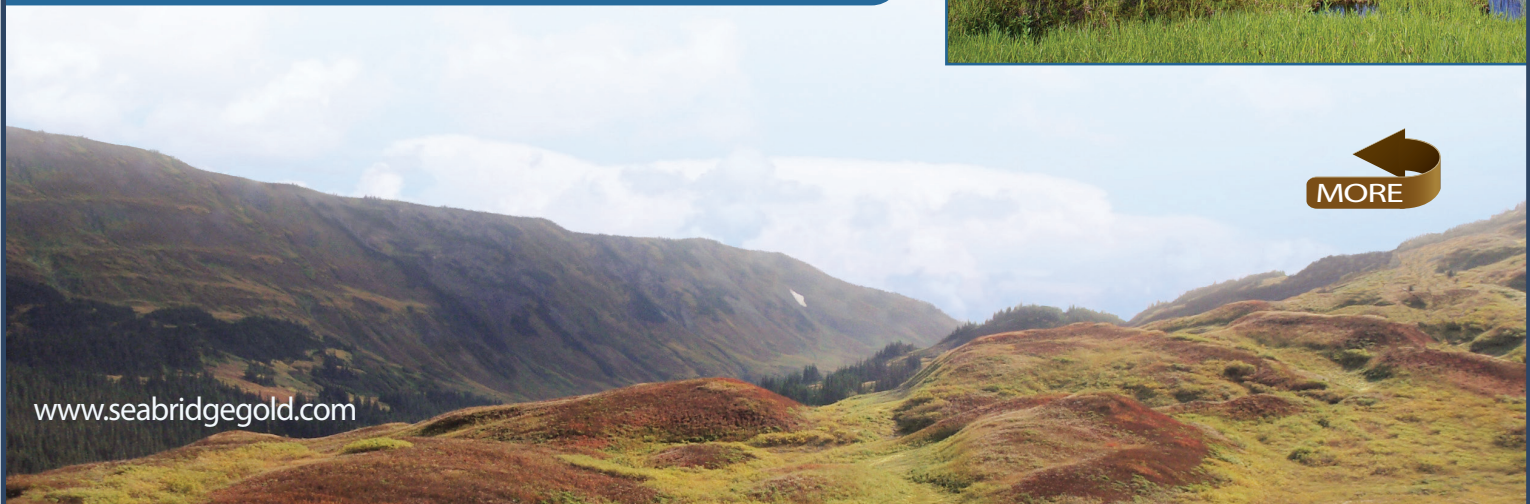
Project Closure

Reclamation and monitoring:

- Financial security will be provided to ensure
 - appropriate restoration of the site when mining ceases.
 - ongoing water treatment and monitoring.
- An approved fish habitat compensation plan to replace affected fish habitat.



The Nass River, located downstream of the project, is a valuable commercial salmon fisheries. Protecting this resource is essential for developing a sustainable project.



Human Environment Studies

Seabridge has conducted studies to understand the current human environment near the proposed KSM Project. This will help to minimize project effects on regional residents.

Socio-Economics

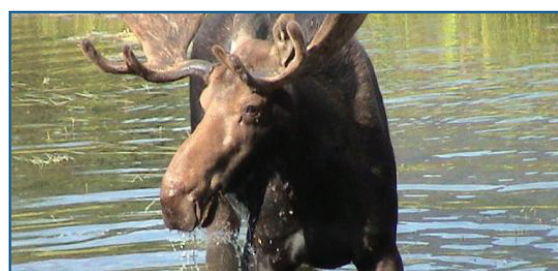
Socio-economic studies have identified the social, economic, heritage, and health components of regional and local communities that could potentially be affected by the proposed project.

- This information is used to guide the project's design and operation. It also helps to enhance community benefits and opportunities while minimizing potentially negative effects.

Archaeology

The archaeological study identifies archaeological and historical sites within the proposed KSM Project area.

- Multiple archaeological sites were found, and are now protected.
- Historic land use sites, primarily associated with prospecting and mineral exploration, were located and recorded.



Traditional Knowledge

Local Aboriginals' traditional knowledge (TK) provides valuable information important to a comprehensive environmental assessment process.

- TK may include information about wildlife and habitat as well as traditional, historical and on-going land uses with links to the social and cultural aspects of local communities.
- The KSM Project Team recognizes the sensitive nature of TK and seeks to work collaboratively with Aboriginal knowledge holders in a mutually beneficial manner.

Country Foods

This study evaluates the quality of foods potentially harvested in the proposed project area.

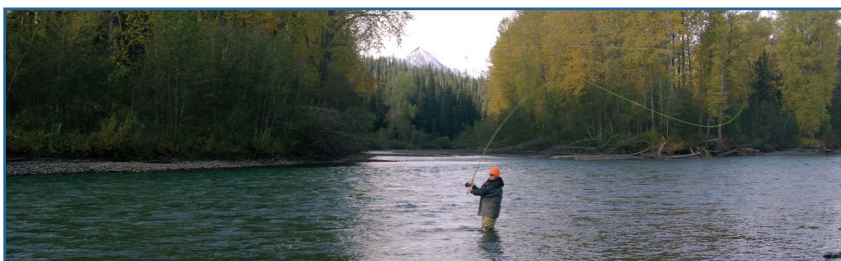
- Studies determine the naturally-occurring levels of metals found in plant and animal species that could be harvested within the project area. This information is used to monitor the quality of food species within or surrounding the proposed project site once development is underway.



Land and Resource Use

Land and resource use studies identify land users and owners and their activities in the proposed KSM Project area and surroundings. Potential project effects on existing land use are determined, and appropriate mitigations are developed. Potential land users and owners include:

- Aboriginal peoples
- Hunters, trappers and fishers
- Guide outfitters
- Tourism and recreation operators
- Private property owners
- Users of parks and protected areas
- Mining, oil and gas tenure holders
- Forestry tenure holders



Seabridge is dedicated to establishing strong relationships with the communities surrounding the proposed KSM Project site. We initiated our community engagement process in 2008. We will continue to seek the involvement of local Aboriginal peoples, regional towns, and interested parties as the project proposal develops. In addition to creating approximately 1,040 direct jobs during operations, Seabridge is committed to hiring local employees, sourcing from local firms, and supporting local businesses wherever possible.