

## Sonic Pit Reclamation Plan

The reclamation and closure of the pit will follow the general guidelines recommended by **Part 10.7.1 to 10.7.10** of the HSRC. The overall intent is to prevent long-term environmental impacts at the site and return the land to pre-disturbance condition. It is expected that the end land use for this site will be forestry/ wildlife habitat and that the reclamation plan will be consistent with adjacent land uses in the area. The objectives of the reclamation plan will be to create a physically stable environment and to ensure that there are no impacts to aquatic and/or terrestrial resources from the mining activities. These objectives would be consistent with the requirements of the HSRC. After closure, the site will be left in a safe and secure manner for the long-term with no projected maintenance. The final site reclamation will meet the end land use objectives of forestry/ wildlife habitat.

The reclamation will be undertaken progressively as mining reaches final setbacks and benches and in a timely manner to limit potentially negative site values. Due to the location and no watercourses located within the Mine Area Boundary, any potential negative site values to the environment can be avoided.

It will always be the intent of the owner to achieve the following goals:

- Minimize or eliminate public safety hazards;
- Respect and comply with cultural and heritage resources and protocols identified by local Indigenous Nations;
- Minimize potential effects to the environment, particularly water resources;
- Provide long-term stable landform configurations;
- Reclaim surface disturbances for beneficial use; and
- Minimize the requirements for post-closure monitoring and maintenance.

Progressive reclamation is ongoing along the southern, eastern and western Mine Area Boundaries shown as “Area Under Reclamation” and currently totals 13.70ha. Reclamation activities will gradually occur as sections of the Current Mining Phase reach final grades and setbacks.

Reclamation will consist of the following:

- During operations, stripping of topsoil/mineral soil to just below the rooting depth will be undertaken, and the soil(s) will be stockpiled within the Topsoil and Overburden Areas (brown polygons). Any remaining material such as overburden, dirty sand, etc. that might be encountered, will be placed in an adjoining stockpile. The developed soil stockpiles within this zone will have an application of erosion control grass seeding, to reduce erosion and noxious weed invasion. Noxious weeds will be controlled by spraying with approved weed control products that are acceptable for this area; and
- On pit completion, all final slopes (2:1) created by mining activities will be graded and roughed to accept seedings and prevent erosion or sediment transport. The ultimate pit floor and graded Processing and Stockpiling Area will have the topsoil and overburden

placed evenly over and replanted with native and appropriate tree species after mining. The pit floor will be left in sand and gravel allowing the water to drain from the surface in a controlled manner.

After closure work has been completed, the lands will be left in a safe and secure manner for the long-term with no projected maintenance