



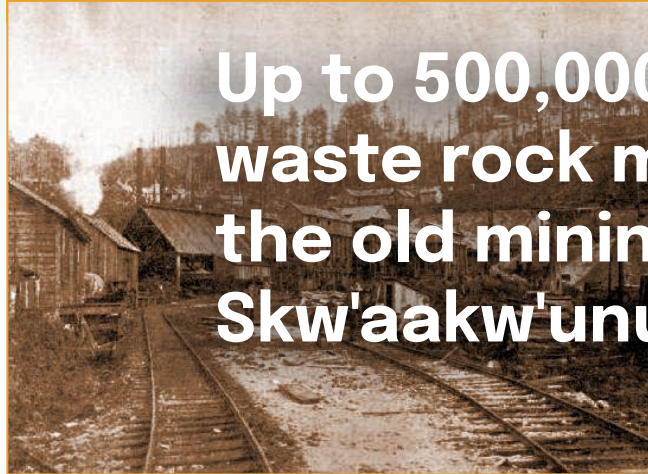
# The Skw'aakw'unu (Mount Sicker) Reclamation Project





Previous operations on Skw'aakw'unu (Mount Sicker) include **Lenora**, **Richard III**, **Tyee**, **Victoria** and **Twin J** mines (1895-1945)

All work has left behind **massive** amounts of waste



Up to 500,000 tonnes of waste rock may be sitting at the old mining sites on Skw'aakw'unu (Mount Sicker)








**Waste rock areas at Skw'aakw'unu (Mount Sicker) have become a magnet for more garbage**





An aerial photograph showing a large, light-colored, eroded hillside or tailings pile in a forested area. The hillside is composed of loose material, possibly sand or gravel, and is surrounded by dense green trees. A dirt road or path winds through the area, and there are some smaller structures or piles of material visible in the background.

**New processing methods can  
access valuable elements  
left behind - which could pay  
for a reclamation of the area**



A large pile of waste rock, consisting of various sizes and colors of stones (brown, grey, and white), is piled up on a hillside. The background shows a dense forest of green trees. The text is overlaid on the rock pile.

**No chemical processing would occur on Skw'aakw'unu (Mount Sicker) - waste rock would be sorted, and high grade material simply removed**





**There would be a professionally designed and approved reclamation strategy, restoring the site and removing hazards**





**Unightly waste at Skw'aakw'unu  
(Mount Sicker) has been sitting,  
virtually unchanged by the passage  
of time, for over 100 years!**





## DANGERS ON SKW'AAKW'UNU (MOUNT SICKER)

Historic mining operations have left behind old workings and a number of potentially life-threatening hazards

The area is used extensively by locals and tourists for mountain biking, dirt biking, hiking, and other recreational activities

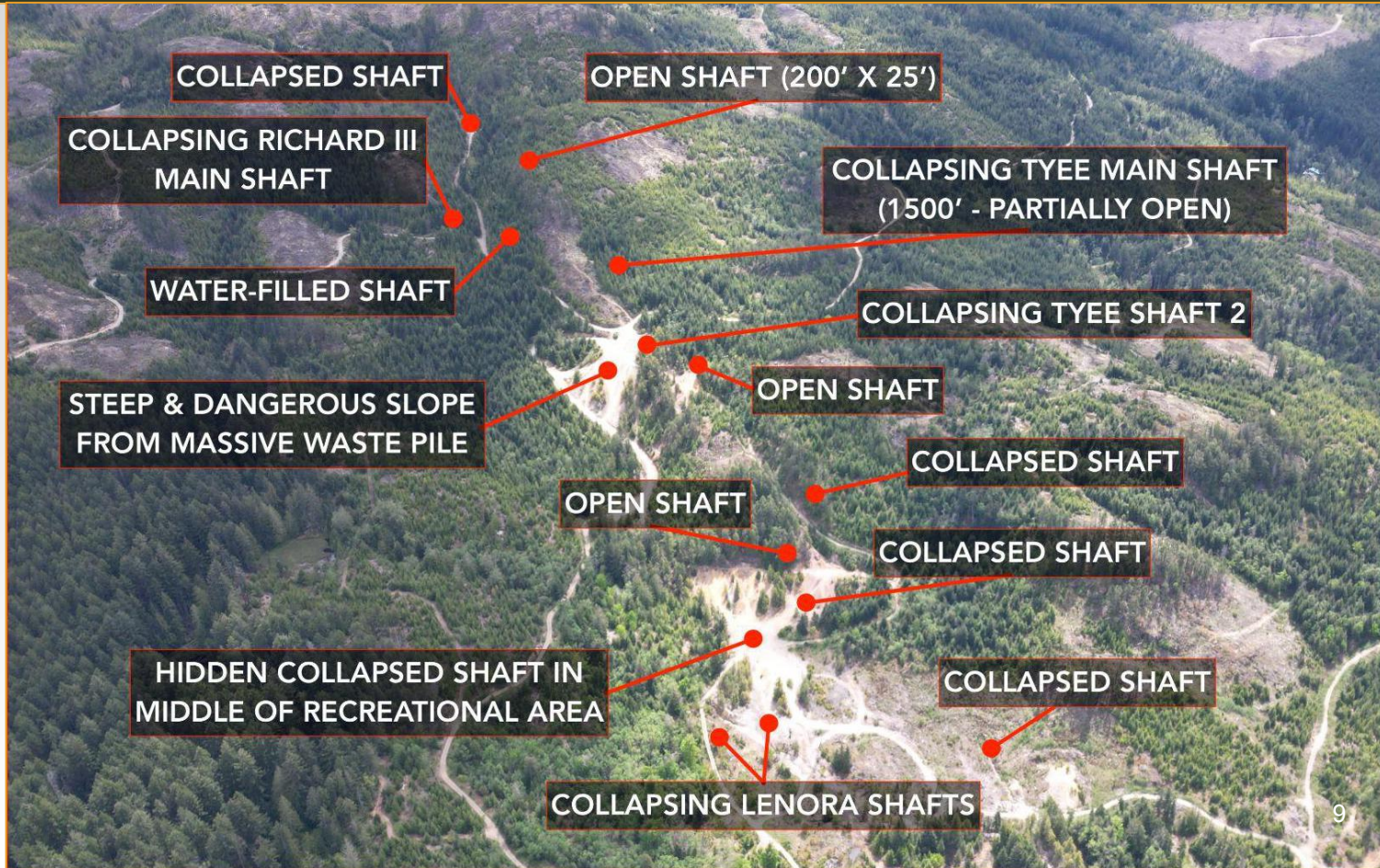
As a part of any reclamation plan, known hazards would all be remediated







# SAMPLING OF SKW'AAKW'UNU (MOUNT SICKER) HAZARDS





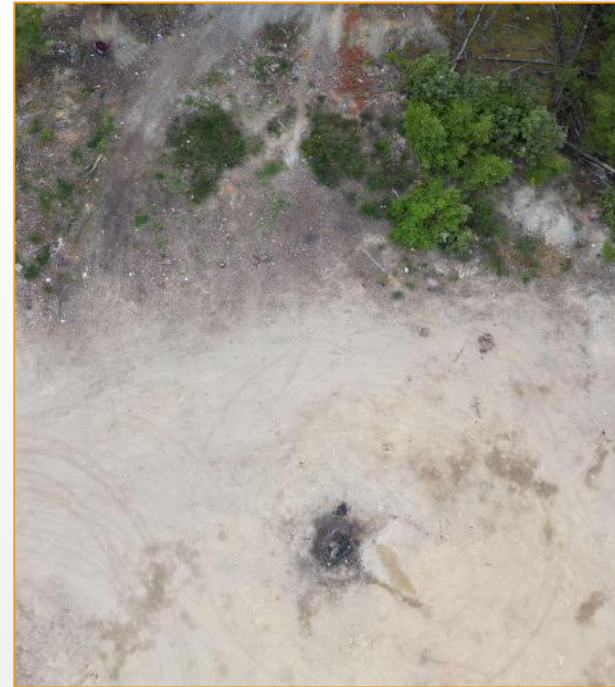
## HAZARD CLOSE UPS



**Open shaft hidden by trees, 25ft across and over 200 ft deep**



**Open adits all over the area - to be sealed with special screens\***



**Collapsed potholes in open areas of recreational use**







## LENORA DUMP

BEFORE



AFTER





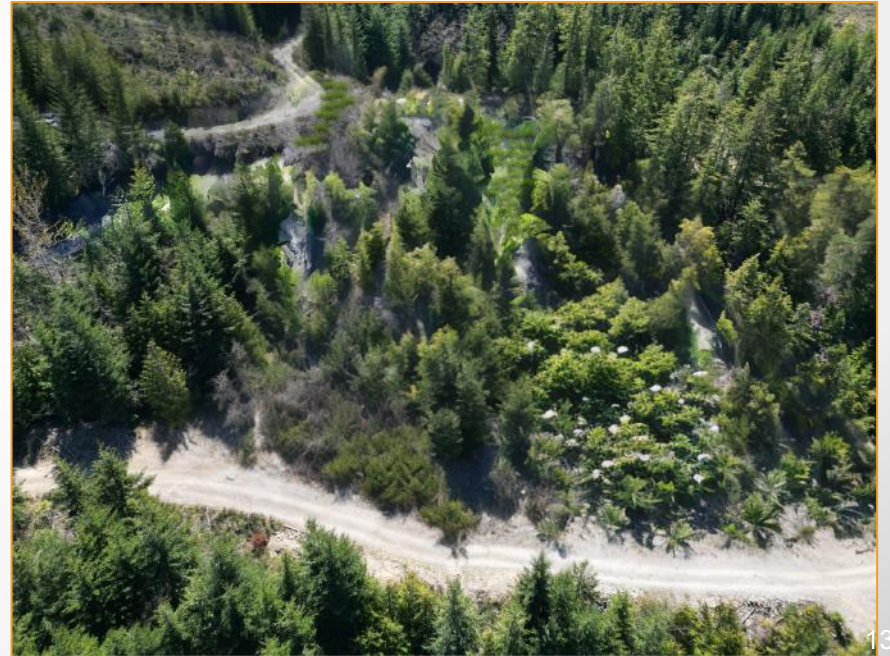


## TYEE DUMP

BEFORE



AFTER





## LOWER WASTE DUMP

BEFORE



AFTER







## Processing plan:

- The waste will be crushed and sorted on site using a mobile system
- High grade waste will be transported down the mountain and shipped to an advanced processing facility already in use
- The entire process, once started, should be completed in 3 months







The mobile unit to be used will have virtually no environmental impact, and uses gravity, x-ray sensors, and AI technology to identify mineralized (high sulphide) waste







Ore sorting and related technology will be provided by SRI/ABH and led by Brent Hilscher. Mr. Hilscher is considered a global leader in ore sorting technology and has done work for dozens of notable international mining companies, including:

 GOLDCORP Newmont™ Rio Tinto Teck AGNICO EAGLE KINROSS BARRICK WHEATON™  
PRECIOUS METALS VALE





## Why we think this approach could be "the model" going forward:

Previous attempts to address waste-rock at old mining sites generally suggest small-scale processing, on-site, which has the following issues:

- Requires MORE mining infrastructure, including new tailings ponds, which increases the mess
- Takes many years before ANY reclamation can be done
- Creates new environmental risks

Sorting and shipping of waste-rock has the following big advantages:

- All done using mobile infrastructure, with no "new" mess, and uses an existing facility, off-site, for advanced processing
- Can be completed quickly, likely within months, so reclamation can begin almost right away
- Still removes the high sulphide material, improving quality of future water run-off







Using an approved reclamation and remediation program, existing hazards will be fixed and the historical mining area will be re-contoured with new soil, trees and foliage brought in to help kick-start the natural revitalization process

Reclaimed areas can be used as "learning zones" for future similar reclamation strategies to be applied elsewhere in BC, Canada and the world







## The Skw'aakw'unu (Mount Sicker) Reclamation Project would:

- Provide jobs for the Cowichan Valley
- Clean up a 125-year-old mess
- Result in the recovery of gold, silver, copper and zinc
- Repair a number of potentially life-threatening hazards
- Represent a rare 'win-win' environmentally and economically for the Cowichan Valley
- Serve as an example of how to deal with waste sites nationwide





**Thank you for  
helping us restore  
Skw'aakw'unu  
(Mount Sicker) to  
pristine condition!**

