



Revisiting Reclamation: Quintette Legacy

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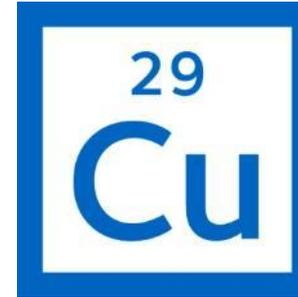
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1 Producer of **steelmaking coal** in North America

2 Seaborne exporter of **steelmaking coal** globally



Top ten **copper** miner in the Americas



#3 **zinc** miner in the world



Building an **energy** business



Implementing a comprehensive **sustainability** strategy



Safety is a core value

Diversified Resources for a Modern World

Copper



Essential to our daily lives, as vital component in power generation and transmission, construction, clean technology and electronics

Zinc



Improves the durability of steel, increases crop yields, and an essential nutrient in human development and disease prevention

Steelmaking Coal

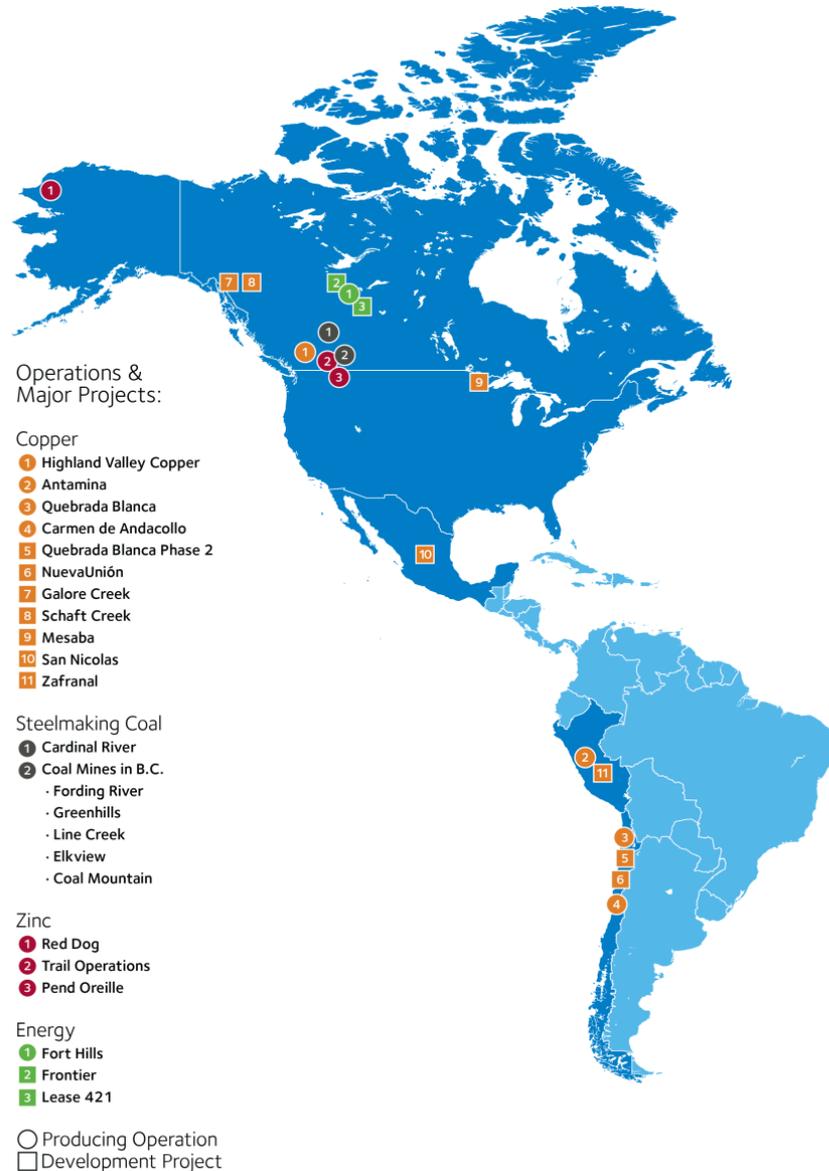


Helps produce steel to create hospitals, schools, transportation infrastructure and more

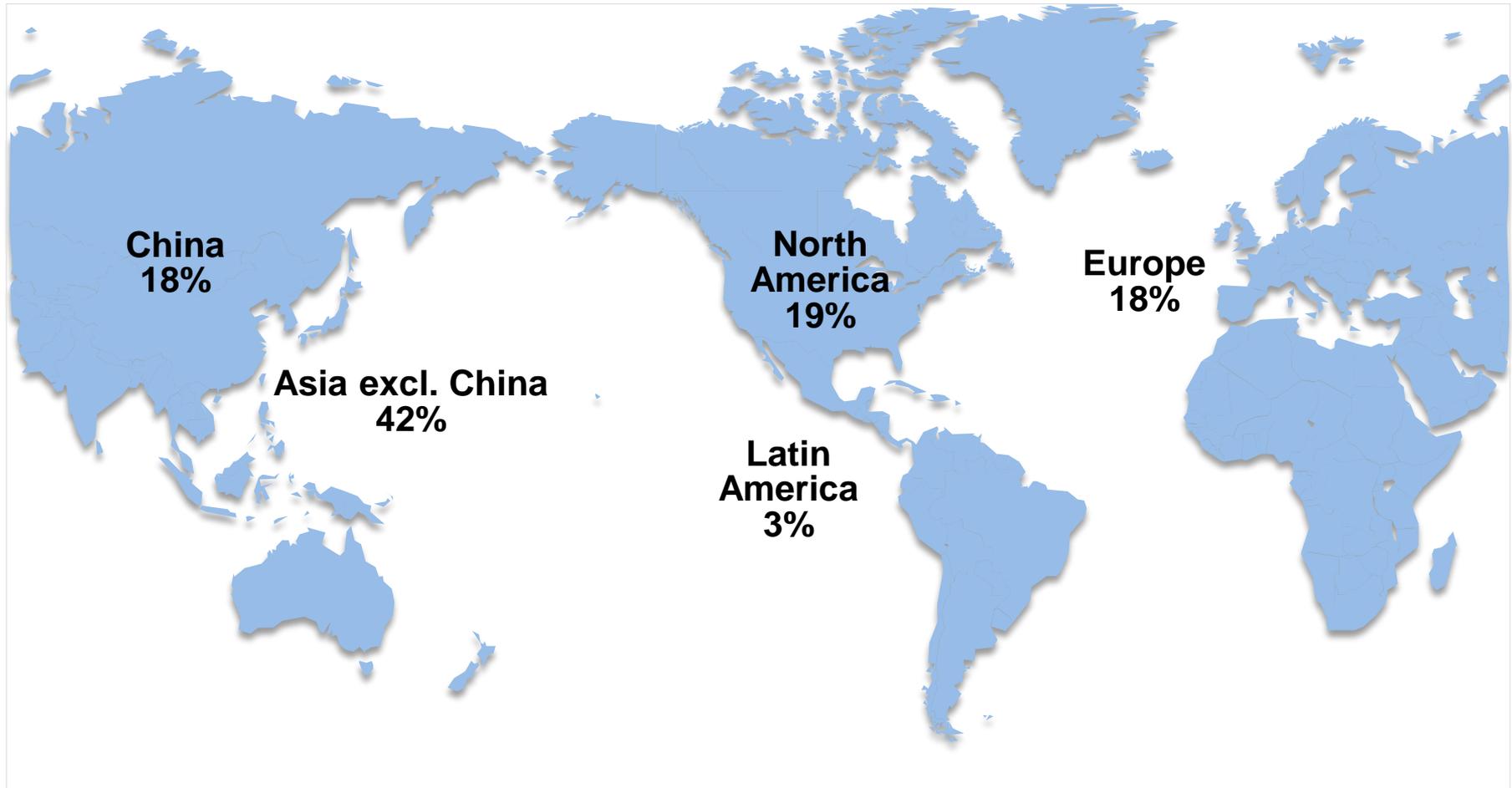
Energy



Keeps the lights on, gets us to work and heats our homes



Diversified Global Customer Base



Quintette Mine



Quintette Mine: Background

- Steel making coal mine and processing plant
- Operated 18 years until 2000
- 2013 amendment to *Mines Act* Permit C-156 approving the Mine Plan and Reclamation for pits on Mt. Babcock and supporting infrastructure (Restart)
- Decision made in 2014 to defer the Restart; mine in Care and Maintenance



Revisiting Reclamation – Quintette Legacy Areas



- Legacy areas = permanent closure, no future mining
- During approach to restart Teck and Regulators agreed that the site still needed additional work
- Teck Legacy Properties Group assumed jurisdiction for Quintette's legacy areas in 2015
- Updated Closure and Reclamation plan submitted to MEMPR in January 2017 – currently under review

Three key principles:

1. Re-establish self-sustaining ecosystems
2. Restore wildlife habitat on the site
3. Identify and address outstanding decommissioning obligations (access roads, culverts, sedimentation ponds)



Key wildlife goal:

Facilitate the recovery of caribou habitat and provide functional ecosystems that benefit multiple species

- Three end land use planning areas:
 - low-elevation wildlife habitat and forestry
 - wildlife habitat (mid-elevation, transition area)
 - high-elevation wildlife habitat



End Land Use Objectives

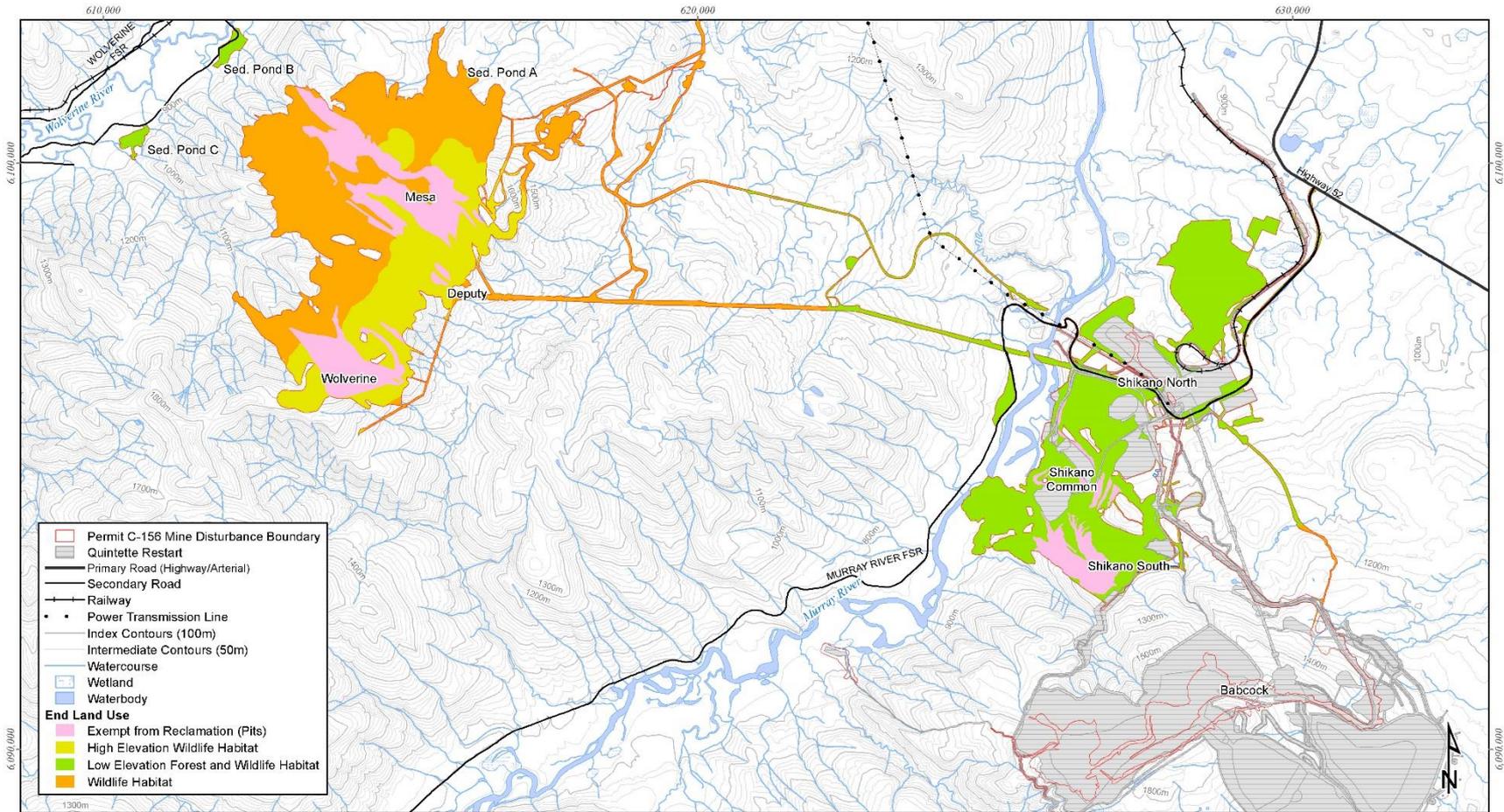


Figure 9 - Mine Permit C-156 Quintette Legacy Sites End Land Use Objectives

Quintette Legacy Closure and Reclamation Plan for Mine Permit C-156

NOTES:

<p>0 250 500 1,000 1,500 2,000 METERS</p> <p>1:60,000</p>	
DATE	MINE OPERATION
12/21/21	Quintette
Drawn By	COORDINATE SYSTEM
GC	NAD 1983 UTM Zone 10N

DATA SOURCES:
 Teck, 2021. The information is for informational purposes only and is not intended to be used for any other purpose.

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Benefitting multiple species to support ecosystem diversity

Objective	Target Habitat
High elevation wildlife habitat	<ul style="list-style-type: none">• Caribou• Mountain goat• Grizzly bear• Hoary marmot• Ptarmigan• Columbian ground-squirrel• Golden eagle• Songbirds



Creation of habitat targeted for mountain goat will also benefit wolverine, grizzly bear, and golden eagle.

Creation of habitat targeted for marmot, ptarmigan, grouse, snowshoe hare, and squirrels will also benefit grizzly bear and golden eagle in the high elevation

End Land Use Objectives: Transition area

Objective	Target Habitat
Wildlife habitat (transition area)	<ul style="list-style-type: none">• Caribou• Grizzly bear• Black bear• Marten• Red squirrel• Grouse• Snowshoe hare• Songbirds (forest)



Creation of habitat targeted for grouse, snowshoe hare, and squirrels will also benefit northern goshawk, black bear, and lynx in the transition area

End Land Use Objectives: Low elevation

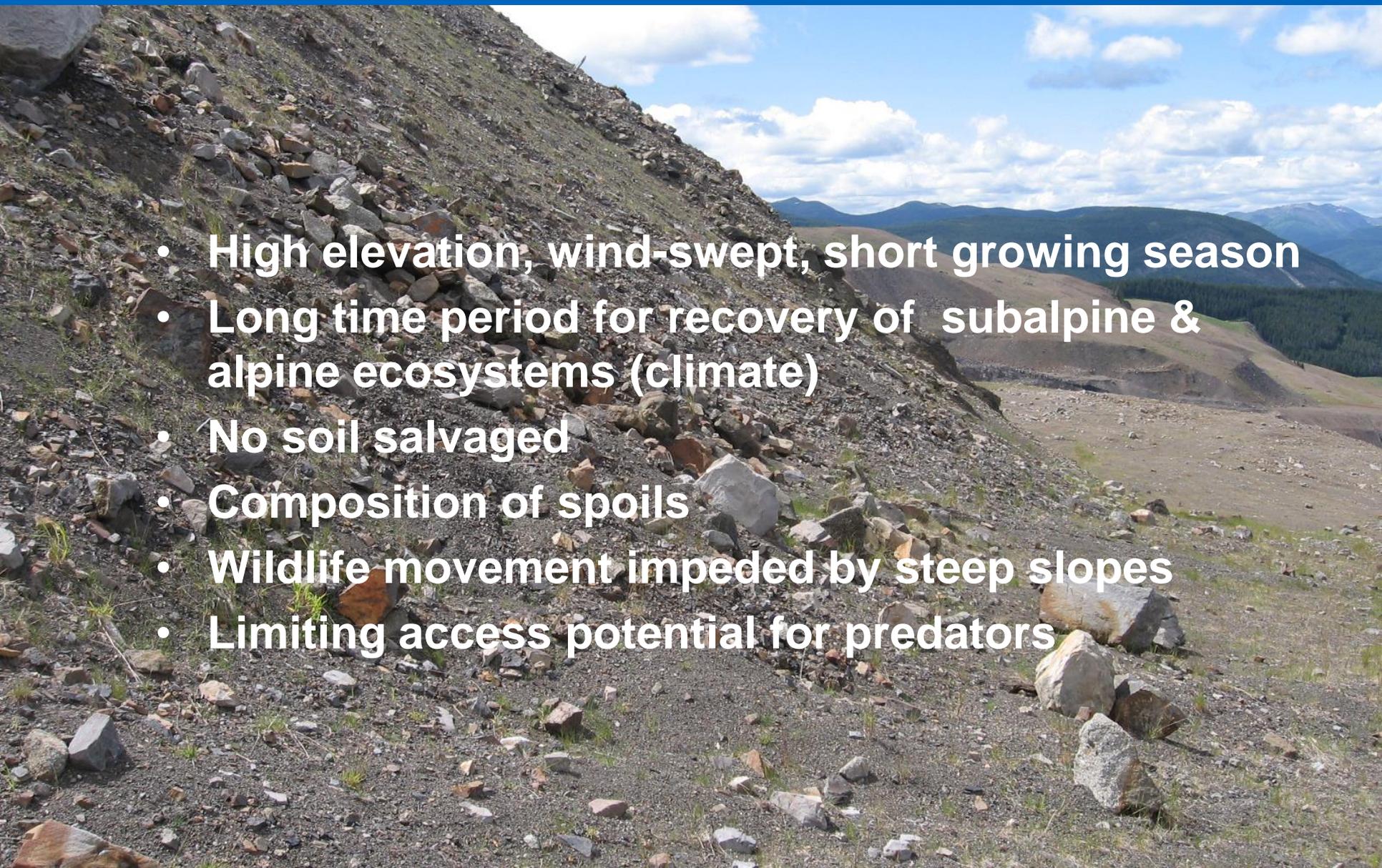
Objective	Target Habitat
Low elevation forest and wildlife habitat	<ul style="list-style-type: none">• Moose (riparian only)• Grizzly bear• Black bear• Marten• Red squirrel• Snowshoe hare• Grouse• Songbirds (forest)• Amphibians (riparian only)



On the horizon...

- Regulatory approval underway
- Learn more about the state of the site – above and below
- Resloping, ripping and mounding
- Revegetation
- Road/access decommissioning
- Monitoring



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- High elevation, wind-swept, short growing season
 - Long time period for recovery of subalpine & alpine ecosystems (climate)
 - No soil salvaged
 - Composition of spoils
 - Wildlife movement impeded by steep slopes
 - Limiting access potential for predators

- First Nations Reclamation Working Group – started in 2016
- Representatives from MLIB, SFN and WMFN, in dialogue with Teck
- Regular meeting schedule at minimum frequency
- Iterative approach to the inclusive reclamation planning and implementation

- Recognize the need for technical capacity and provide support
- Plan for the receipt of feedback
- Consistency of group participants
- Take the time to check in
- Help working group members relay information to their employers and community members



Thank You

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