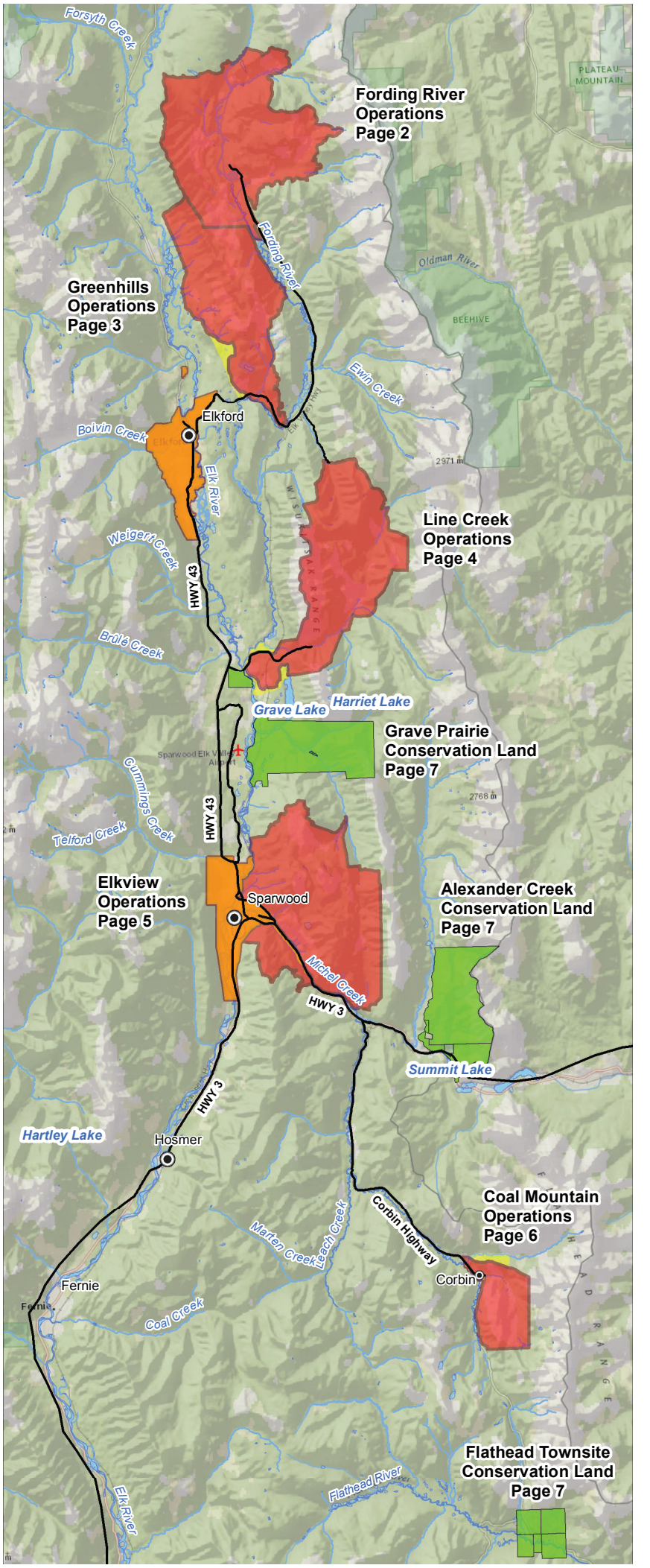
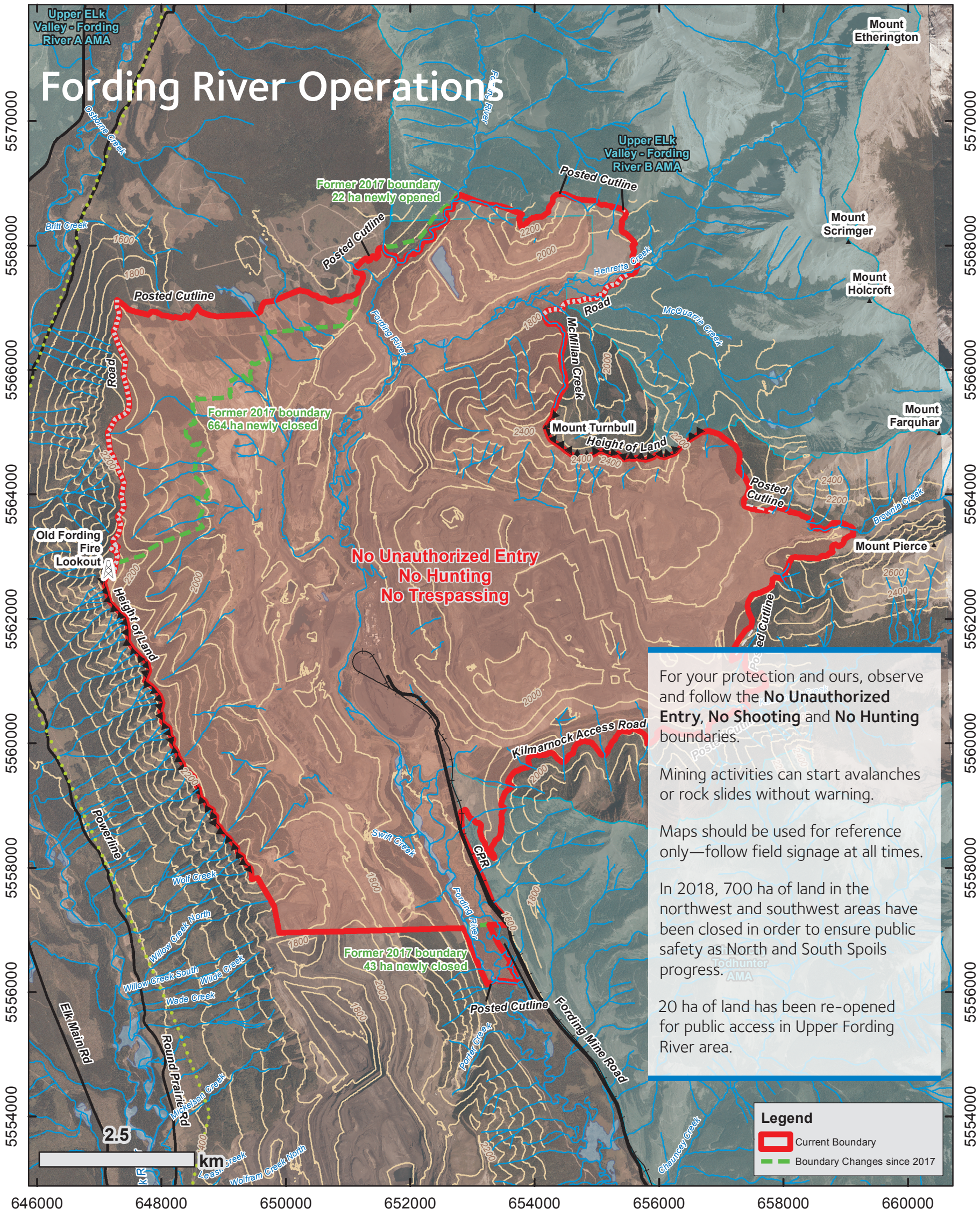


2018–19 Teck Access Boundaries in the Elk Valley

For your safety and ours, please observe the **No Entry**, **No Hunting** and **No Shooting** boundaries on Teck property in the Elk Valley. Electronic maps and coordinates at: **www.teck.com/coalmaps**

Teck

Fording River Operations



For your protection and ours, observe and follow the **No Unauthorized Entry**, **No Shooting** and **No Hunting** boundaries.

Mining activities can start avalanches or rock slides without warning.

Maps should be used for reference only—follow field signage at all times.

In 2018, 700 ha of land in the northwest and southwest areas have been closed in order to ensure public safety as North and South Spoils progress.

20 ha of land has been re-opened for public access in Upper Fording River area.

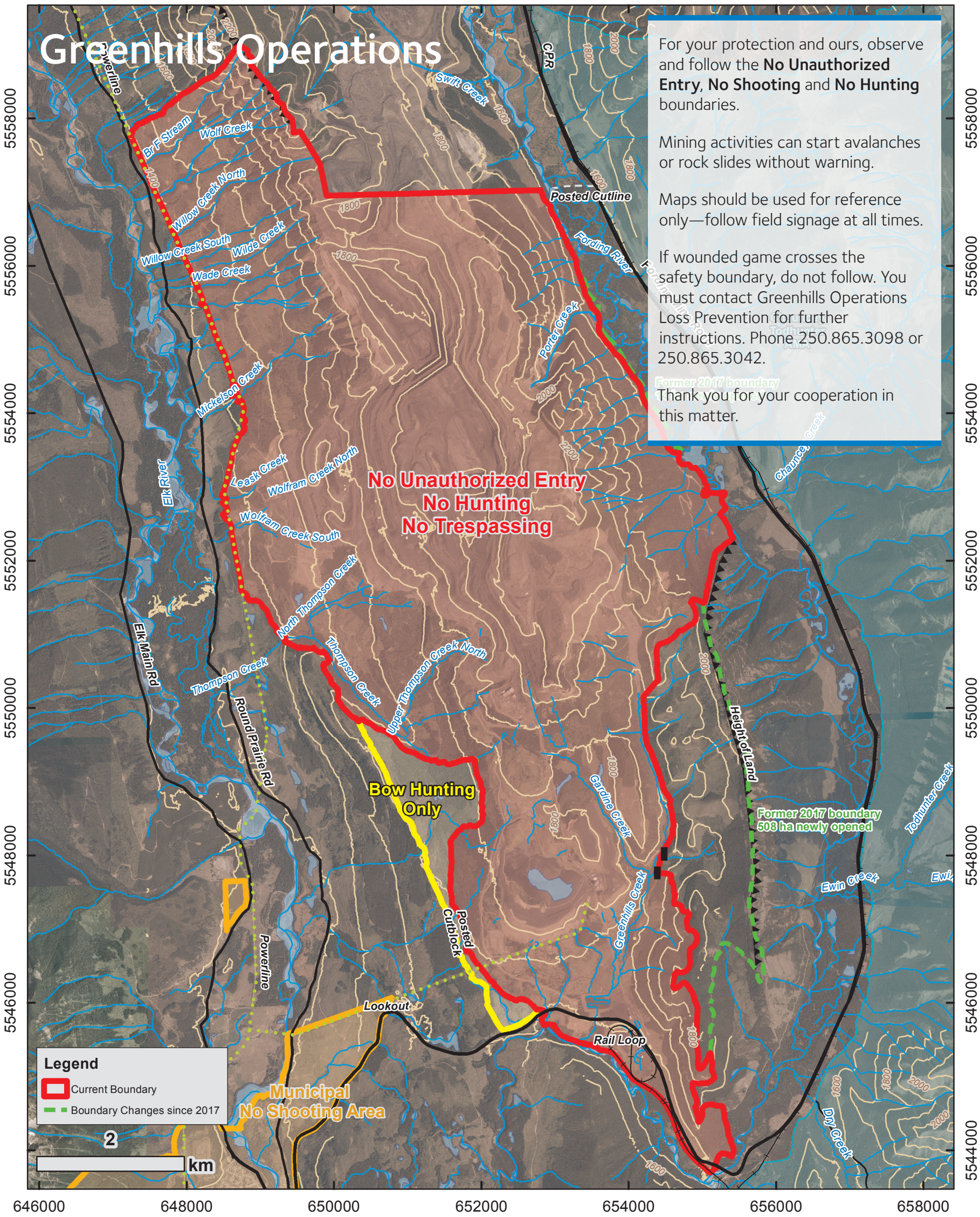
Legend

- Current Boundary
- Boundary Changes since 2017

For more information:

Go to the main gatehouse and contact Loss Prevention on the radio or call Loss Prevention at 250.865.5016. Electronic maps and coordinates at **www.teck.com/coalmaps**

Greenhills Operations



For your protection and ours, observe and follow the **No Unauthorized Entry**, **No Shooting** and **No Hunting** boundaries.

Mining activities can start avalanches or rock slides without warning.

Maps should be used for reference only—follow field signage at all times.

If wounded game crosses the safety boundary, do not follow. You must contact Greenhills Operations Loss Prevention for further instructions. Phone 250.865.3098 or 250.865.3042.

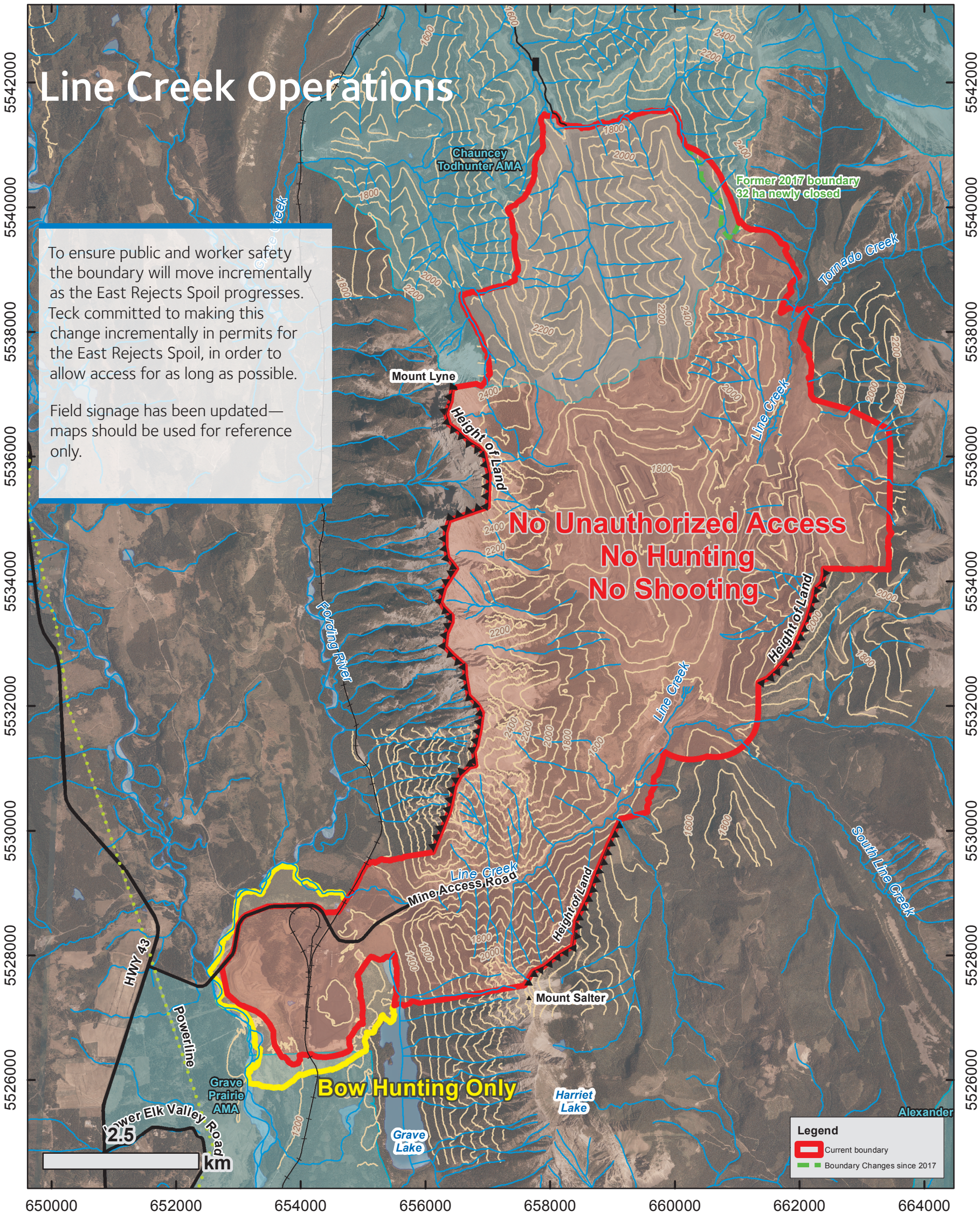
Thank you for your cooperation in this matter.

For more information:
Go to the main gatehouse and contact Loss Prevention on the radio or call Loss Prevention at 250.865.3042. Electronic maps and coordinates at **www.teck.com/coalmaps**

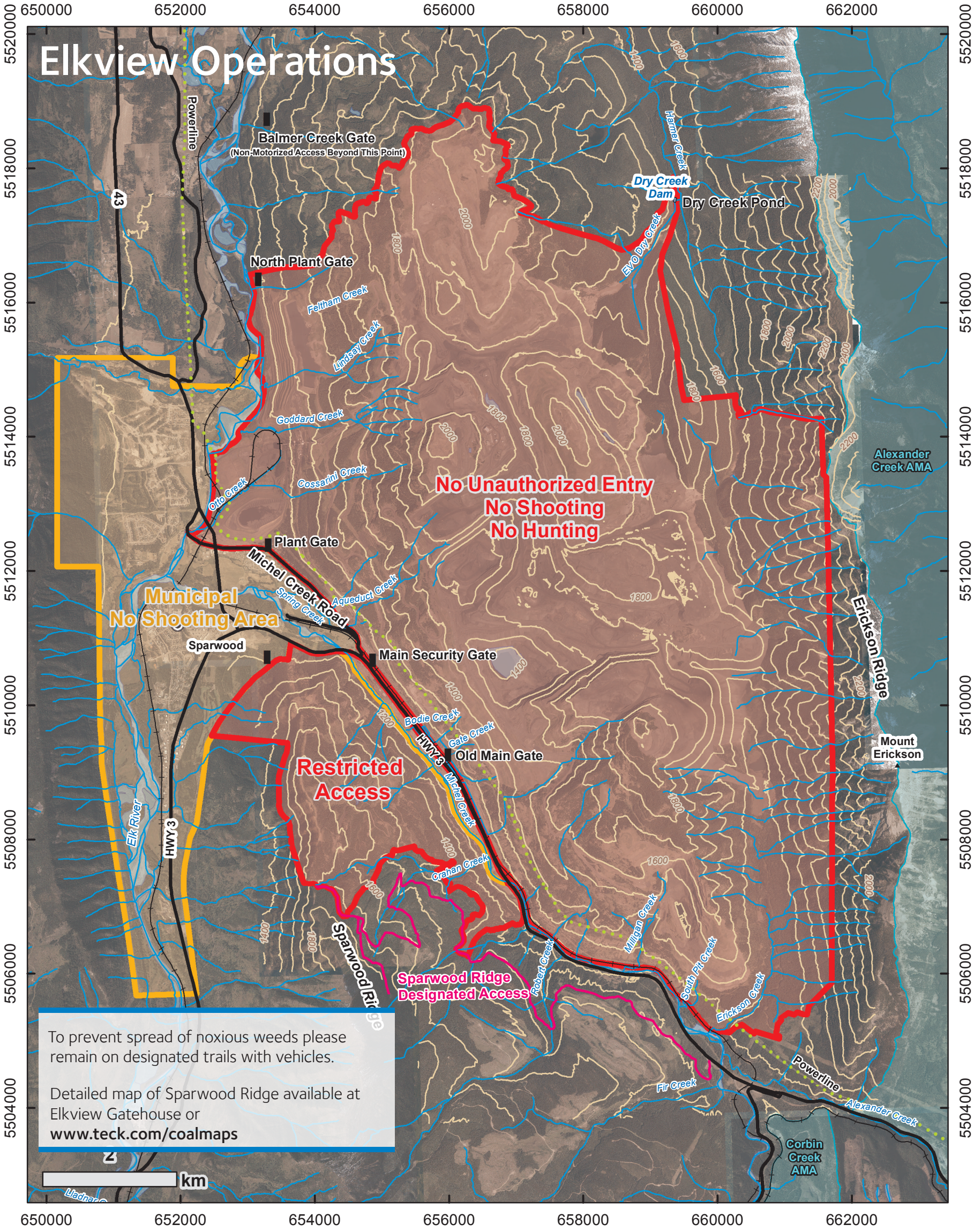
Line Creek Operations

To ensure public and worker safety the boundary will move incrementally as the East Rejects Spoil progresses. Teck committed to making this change incrementally in permits for the East Rejects Spoil, in order to allow access for as long as possible.

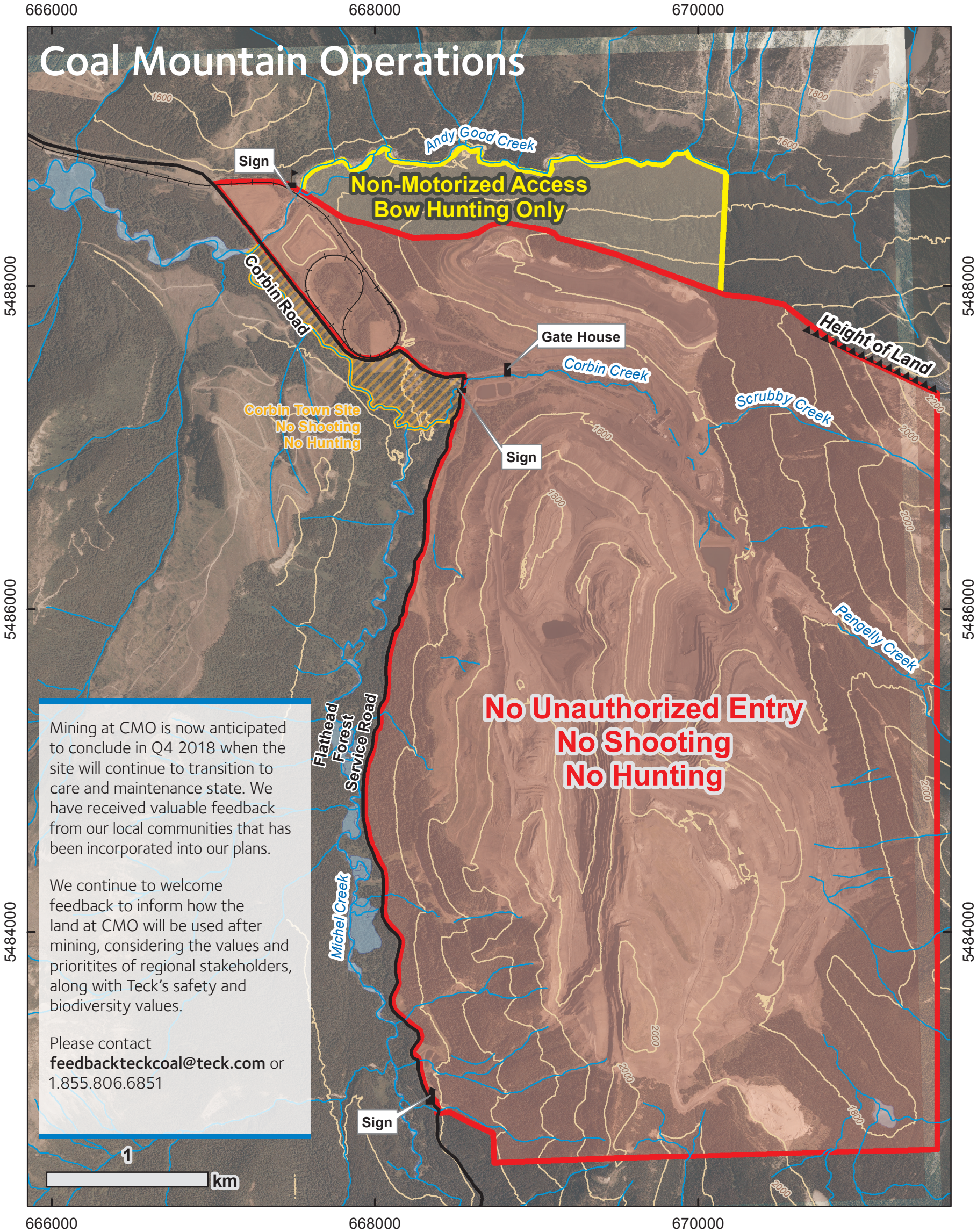
Field signage has been updated—maps should be used for reference only.



For more information:
Go to the main gatehouse and contact Loss Prevention on the radio or call Loss Prevention at 250.425.3112. Electronic maps and coordinates at **www.teck.com/coalmaps**



For more information:
Please visit Elkview Gatehouse between 6 a.m. – 6 p.m. Electronic maps and coordinates at **www.teck.com/coalmaps**

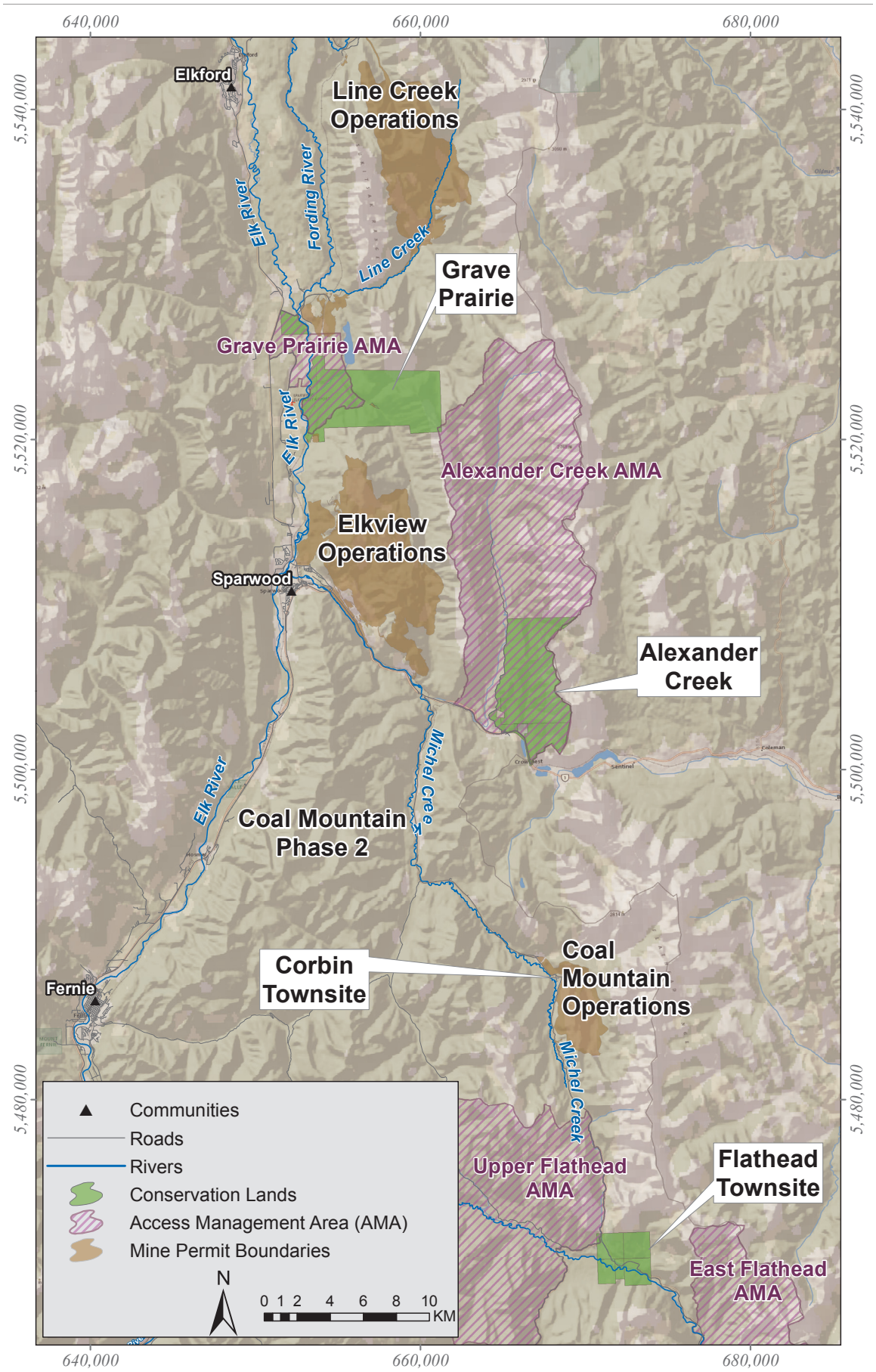


Mining at CMO is now anticipated to conclude in Q4 2018 when the site will continue to transition to care and maintenance state. We have received valuable feedback from our local communities that has been incorporated into our plans.

We continue to welcome feedback to inform how the land at CMO will be used after mining, considering the values and prioritites of regional stakeholders, along with Teck's safety and biodiversity values.

Please contact **feedbackteckcoal@teck.com** or 1.855.806.6851

For more information:
Go to the main gatehouse and contact Loss Prevention on the radio or call Loss Prevention at 250.425.7389. Electronic maps and coordinates at **www.teck.com/coalmaps**



Teck Conservation Lands

As part of our sustainability efforts, Teck has purchased approximately 7,150 hectares of private lands in the Elk Valley and Flathead River Valley for wildlife and habitat conservation purposes.

The three blocks of land include Flathead Townsite (992 hectares), Alexander Creek (3,098 hectares) and Grave Prairie (3,059 hectares).

Teck is working in cooperation with First Nations, communities and other stakeholders to develop management plans that focus on the conservation of key habitats for wildlife and fish in the Elk Valley and Flathead River Valley for the future.

Please keep conservation in mind when you are enjoying recreation activities on these lands and respect the existing Access Management Areas on the Grave Prairie and Alexander Creek lands.

Electronic maps and coordinates at **www.teck.com/coalmaps**

Our Commitment to Water Quality

We recognize addressing the water quality effects of mining is a legacy issue connected to decades of mining. It is complex, and ready-made solutions do not exist; however, we are making progress.

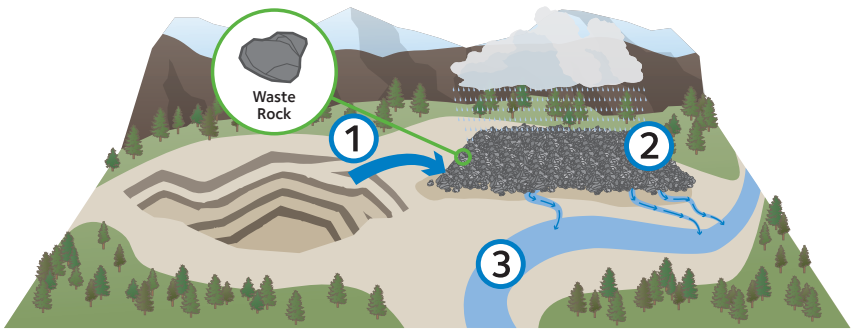
Teck is fully committed to finding solutions and this work is at the global forefront of managing water quality in mining. Success requires a long-term approach, driven by continued innovation and collaboration.

The Challenge

1. Mining generates large quantities of leftover rock that contains naturally-occurring substances such as selenium, an element that is essential for human and animal health in small amounts.

2. Water from rain and runoff flows through these rock piles and carries selenium and other substances, such as nitrate, into local waters.

3. If present in high enough concentrations in the the local watershed, those substances can adversely affect aquatic health.



Elk Valley Water Quality Plan

In 2014, B.C. Ministry of Environment approved an area based management plan—the Elk Valley Water Quality Plan. An Environmental Monitoring Committee (EMC) was established to advise on the implementation of the plan. The EMC consists of experts from the Ministry of Environment, Ministry of Energy and Mines, the Interior Health Authority, the Ktunaxa Nation Council, an independent scientist and Teck. The EMC reviews and provides input and advice to all monitoring reports and study designs. The EMC publishes an annual public report at **www.teck.com/elkvalley**

Research and Development

Teck is undertaking an an extensive, multi-year R&D Program focused on:

- Improving mine designs to better control release of water quality constituents at source
- Identifying and piloting improved methods for treating mine-affected water
- Approximately 15 projects are underway now, including a full-scale trial saturated rock fill at Elkview Operations.

Local and Regional Monitoring

We are conducting extensive monitoring to improve our understanding of water quality and aquatic health. Existing studies show that selenium concentrations and other mine indicators of water quality within the watershed are at levels that have not affected populations of fish and other sensitive aquatic animals.

Implementing Water Treatment

1. West Line Creek Active Water Treatment Facility

- Commissioned in February 2016
- 7,500 m^3/day water treatment capacity
- Meeting design targets for selenium and nitrate reduction:
  - Selenium concentrations are reduced by about 96% in treated water
  - Nitrate concentrations are reduced by over 99%
- A challenge related to selenium compounds in discharge water has been identified. An option to address this issue has been developed and is undergoing piloting through summer 2017.

2. Planned Fording River Operations Active Water Treatment Facility

- Planned for operation in 2019
- Estimated 20,000 m^3/day capacity
- Tree harvesting and soil salvage of the project area is complete

3. Elkview Operations Active Water Treatment Facility

- Planned for operation in 2020
- Estimated 30,000 m^3/day capacity

Our Ongoing Commitment

Further projects include the Tributary Evaluation Program; Calcite Assessment; Human Health Risk Assessment and fish habitat rehabilitation work.

Find Out More

To learn more about our water quality work and provide your feedback and suggestions, go to **www.teck.com/elkvalley** or call **1.855.806.6854**