



PRAIRIE CREEK MINE ALL SEASON ROAD PUBLIC HEARING Day 3 - April 28, 2017



AGENDA

- Wildlife including Birds and Species at Risk
- Traditional Harvesting and Traditionally Harvested Species
- Cultural and Heritage Resources
- > Closure and Reclamation
- > Impacts from Employment



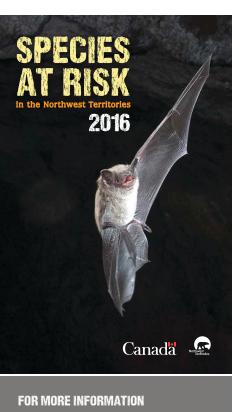
SUB-AGENDA

- Wildlife including birds and species at risk
 - > Mountain caribou
 - > Boreal caribou
 - ➤ Collared pika
 - > Bears
 - > Birds and species at risk

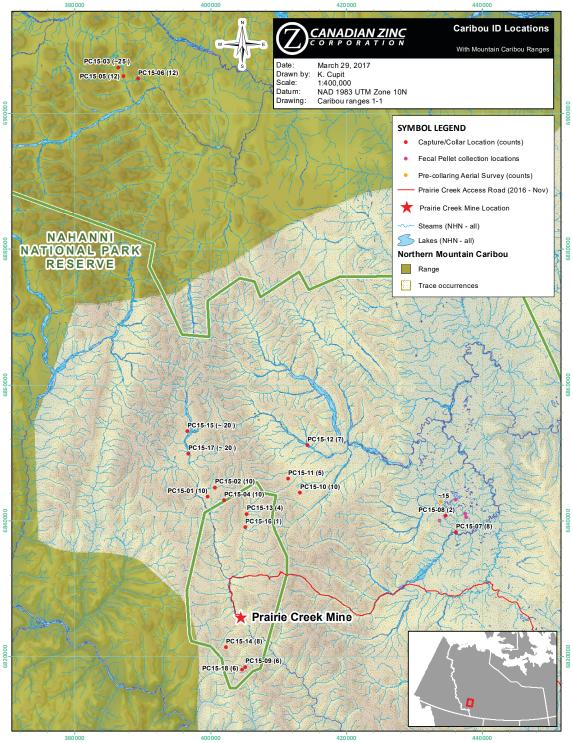
Mountain caribou

- Official range does not extend to road
- Congregations to north and west
- Collars show a few animals cross the road, consistent with anecdotal observations
- Mitigations such as collision avoidance, speed restricted crossing zones appropriate
- > Structured recording of road user and community-based monitor sightings, appropriate adaptive management
- Aerial surveys have limited relevance to adaptive management, but useful to Parks Canada for broader population tracking
- > Low potential for significant population-level effects









Mountain caribou

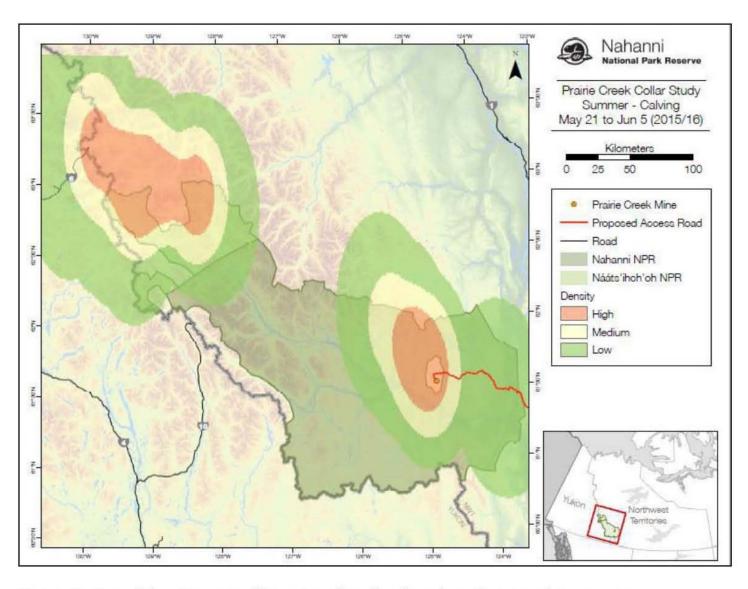
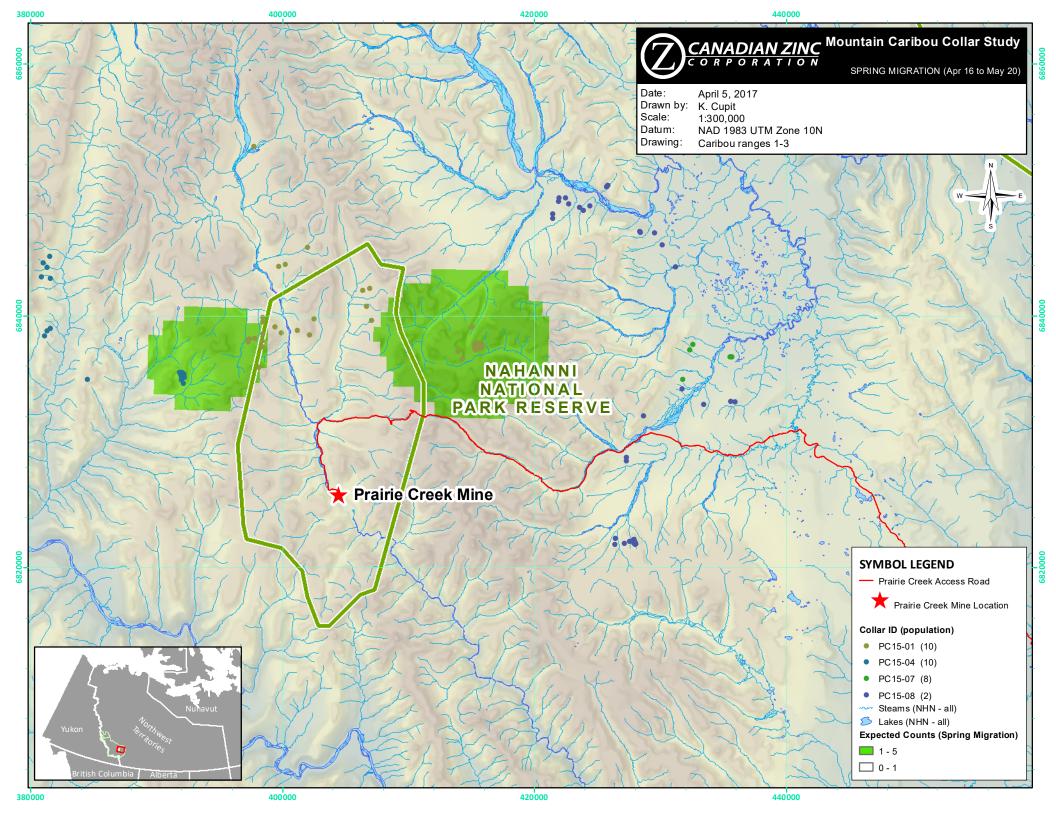
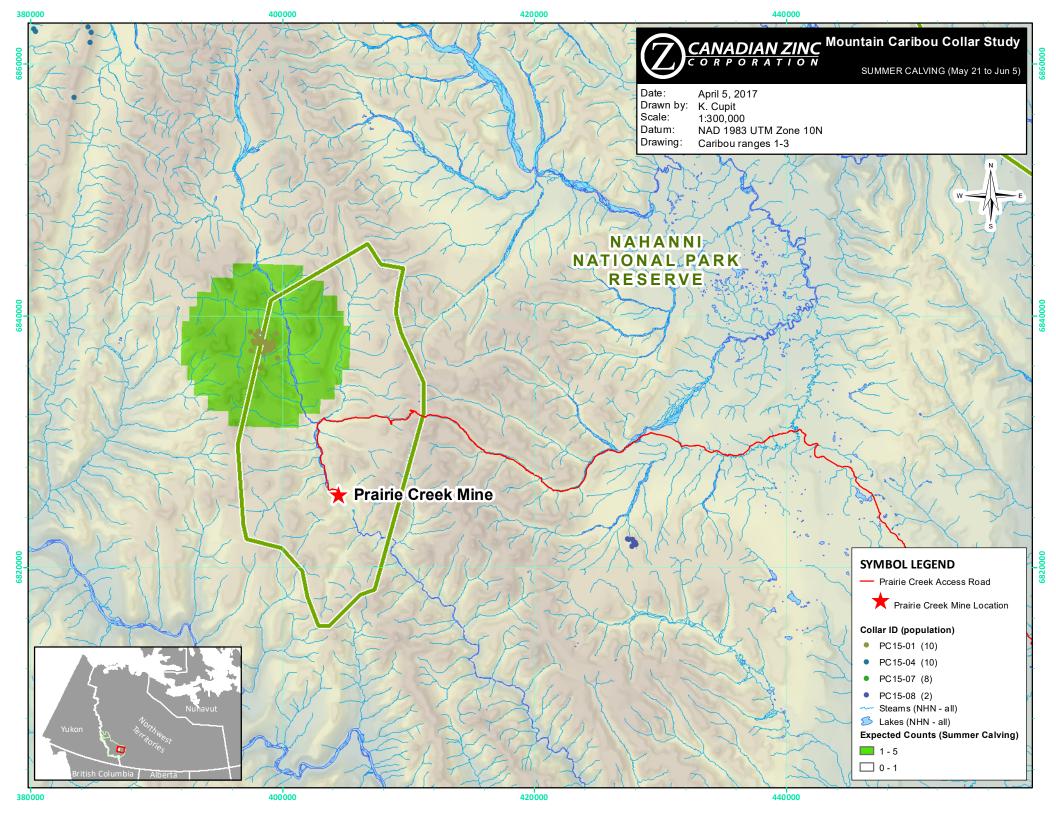
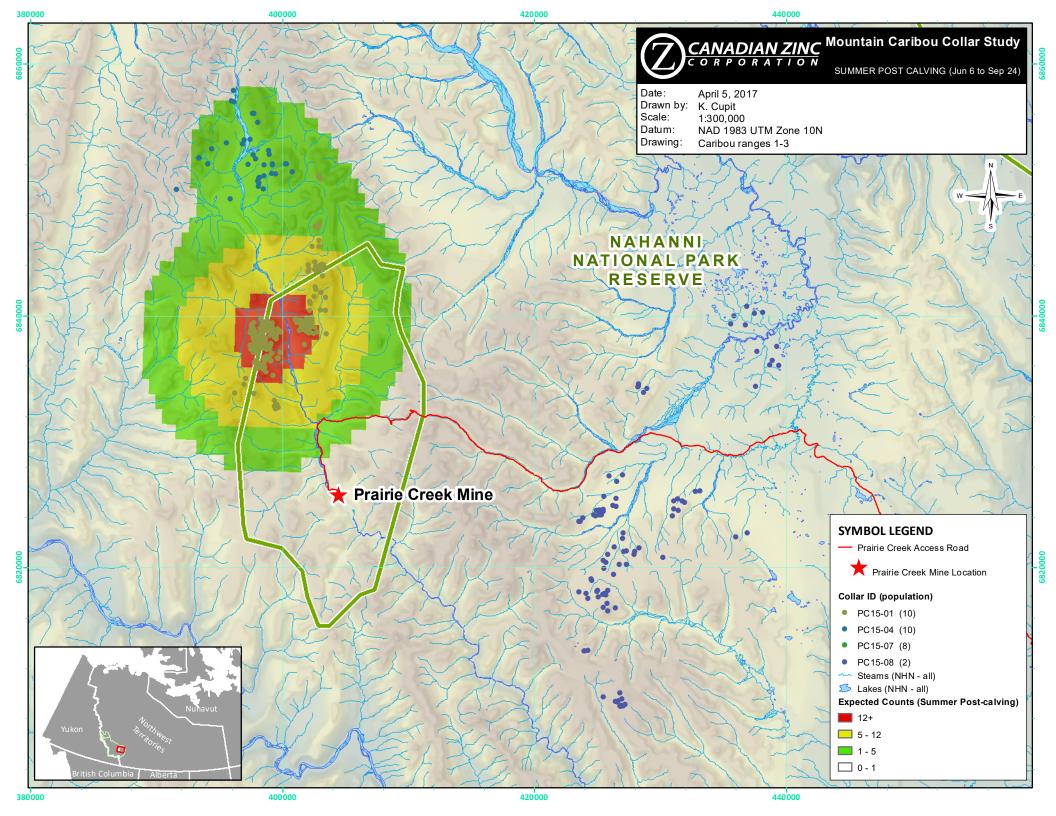
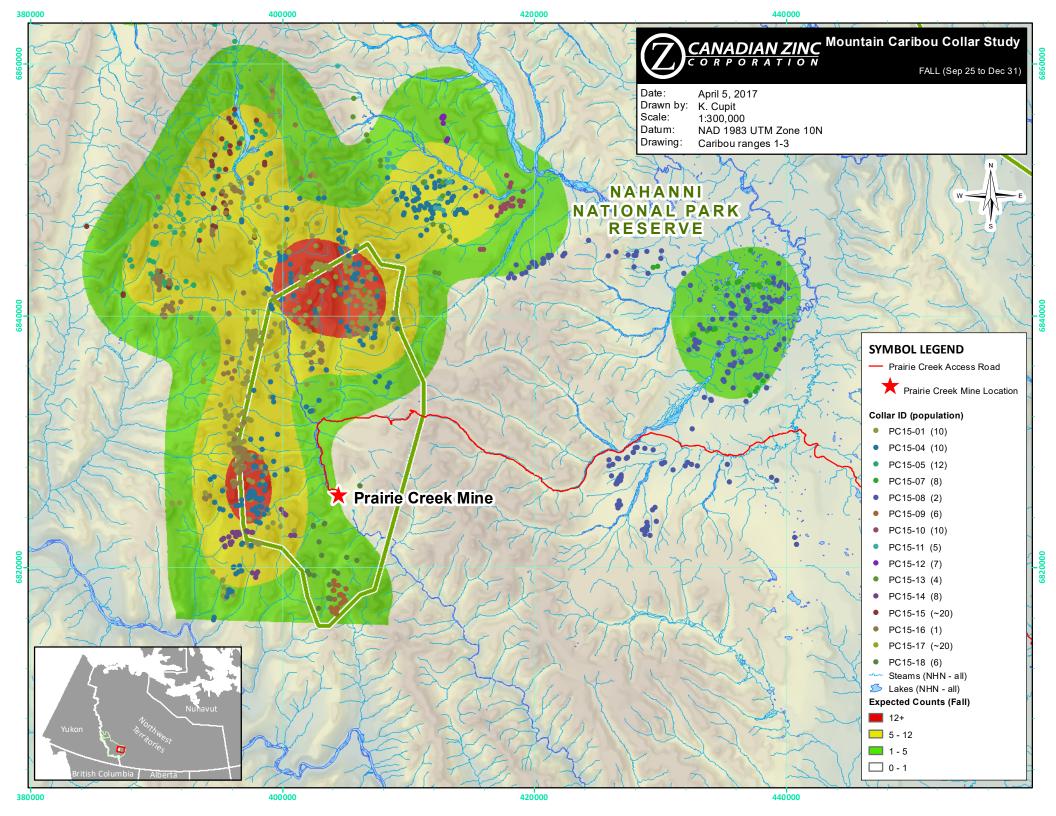


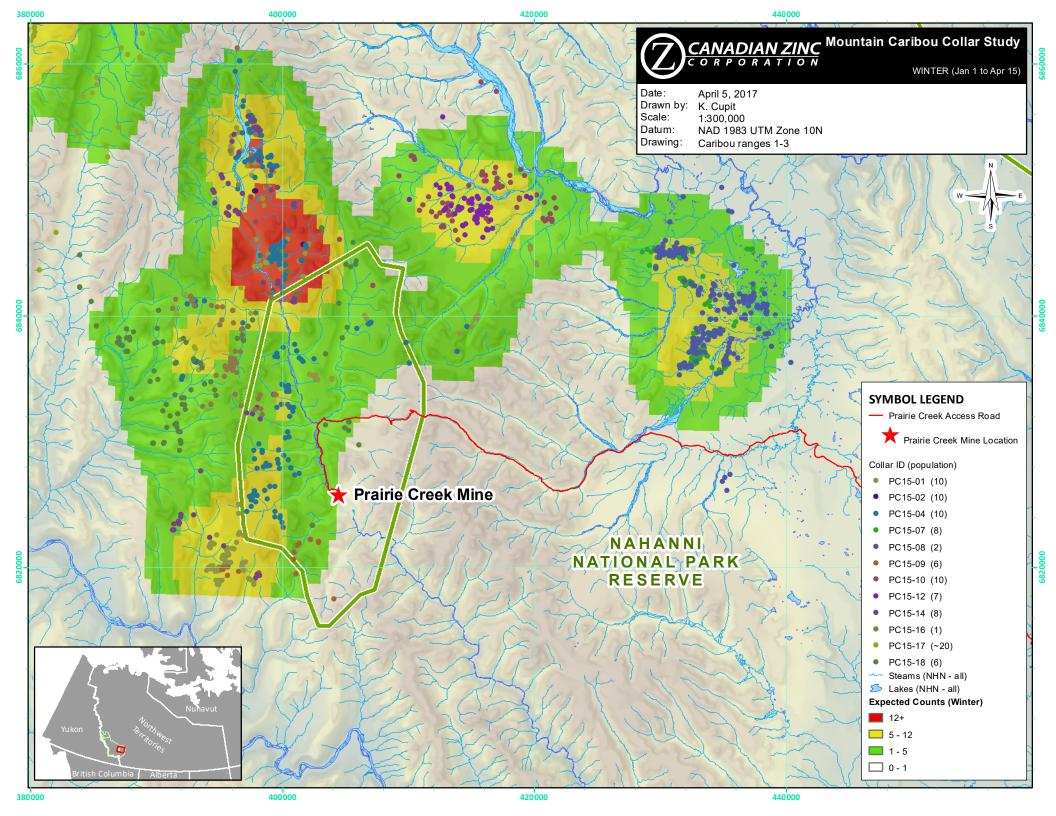
Figure 1. Kernel density map of locations for all collared caribou in calving season.











Boreal caribou

- Road crosses "buffer" range
- Front Range upland terrain not preferred
- Reported congregations to the north and south (N. Larter, GNWT biologist)
- No sightings during any CZN studies
- > 1700 ha of new disturbance over and above permitted winter road

Collared Pika

- Sporadically detected in talus terrain along Sundog Creek
- Road alignment adjusted to minimize talus disturbance
- Presence/absence survey proposed prior to construction, mitigation as necessary

Bears

- Mitigation to minimize risk of den disturbance during construction
- for collision avoidance
- Mitigation for human encounters

Birds and Species at Risk

- Habitat disturbance minimized by generally following winter road alignment
- Mitigation for construction proximity (Trumpeter Swans) and blasting
- Mitigation for nesting season
- Limited length of wetland terrain minimizes potential for effects on wetland species that could be present
- Survey of avian species presence and abundance planned prior to construction to establish baseline
- No expectation of any significant potential for effects

Traditional Harvesting and Traditionally harvested species

- Main harvest is NBDB members opportunistically hunting moose in readily accessible areas e.g. along rivers
- Caribou seldom harvested (boreal)
- > Traplines in Grainger Gap area (R. Vital has a cabin), but not operated for "about a decade"
- Moose, bear and rabbit harvesting proximal to Nahanni Butte, as well as medicinal plants and berries

Cultural and Heritage Resources

- No heritage resources found in 2 previous surveys of "high potential" areas
- Commitment to doing suitable AIA prior to construction, involving NBDB members
- Heritage resource brochure for road planning and construction personnel
- > Clear policy re heritage resource protection

Closure and Reclamation

- Borrow Pit Management and Reclamation Plans and Closure Reclamation Plan
- Topsoil salvage and storage
- Scarification, ripping and roughening of surfaces
- Maintain drainage, no ponding, surface stabilization and sediment control
- Revegetation by natural invasion. No seed mixes

Impacts from Employment

- Positive benefits of employment
- Minimize negative side-effects consistent with previous EA (social supports, restricted entry to Nahanni Butte)
- Existing SEA

Thank You