

Appendix 4-G

Project Overview Presentation -
Siksika First Nation – May 2020

Crown Mountain Coking Coal Project

Project Overview

May 27, 2020



Presentation Format

1. Proponent Overview
2. Project Overview
3. Regulatory Overview
4. Selenium Management
5. Baseline Programs
6. Terrestrial Baseline Programs
7. Aquatic Baseline Programs
8. Questions / Discussion



Proponent Overview

- NWP Coal Canada Ltd. (NWP) is the proponent for the Crown Mountain Coking Coal Project (the Project) located in the Elk Valley of BC
- NWP is owned by Jameson Resources Limited (77%) and Bathurst Resources Canada Limited (23%)
- Jameson Resources is a publicly listed company on the Australian Stock Exchange (ASX)
- Bathurst Resources is a publicly listed company on the ASX and is the largest coal mining company in New Zealand producing 3 million tonnes per year
- Exploration programs for the Crown Mountain Coking Coal were completed in 2012, 2013, and 2018

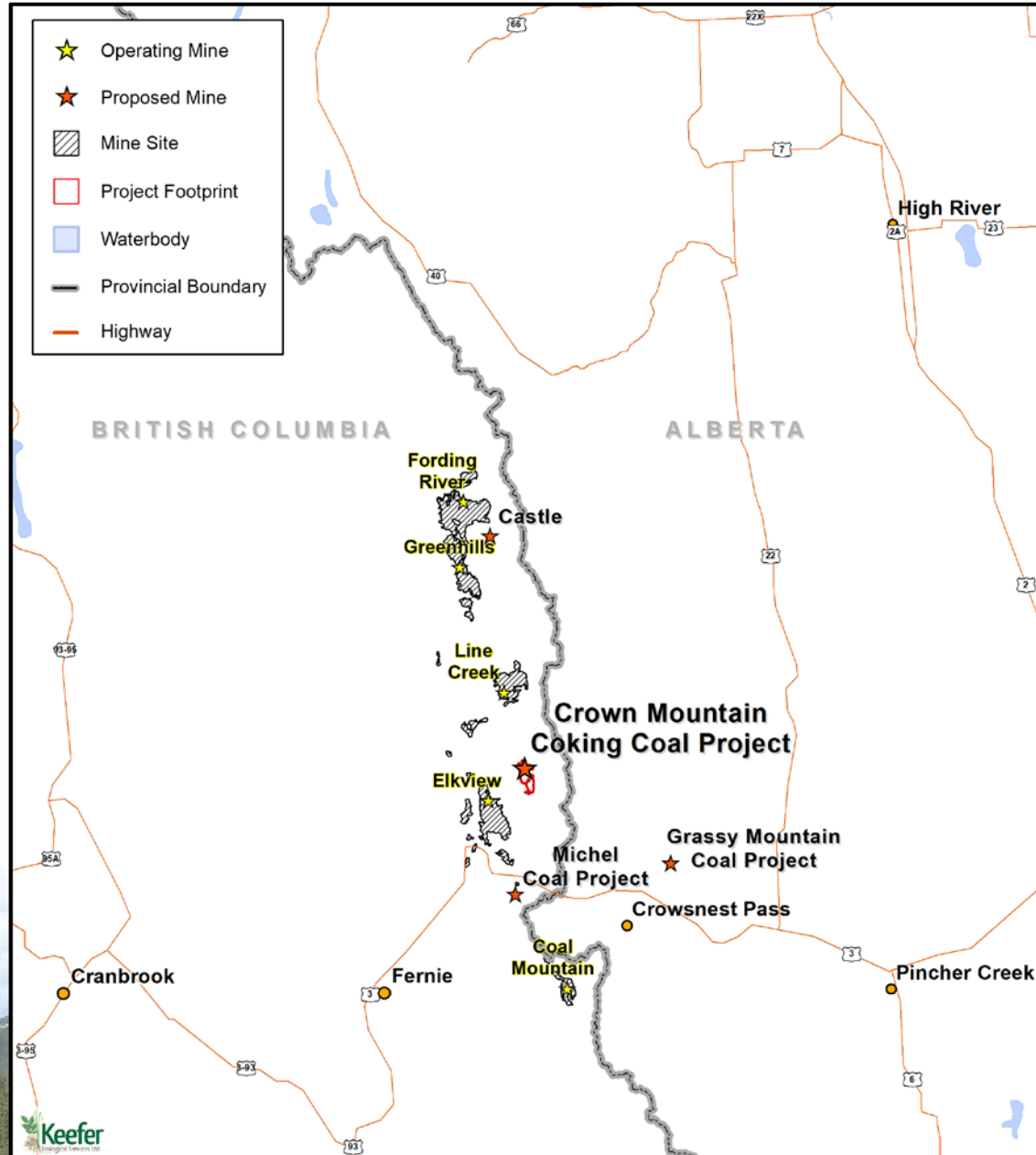


Project Overview

- Proposed open pit metallurgical coal mine in the Elk Valley
- 10 tenured coal exploration licenses (approx 5,630 ha)
- Footprint approximately 1300 ha
- Other nearby mines in Elk Valley include Teck's Elkview (8 km southwest) and Line Creek mines (12 km north)
- After all permits received, anticipated production capacity of 3.7 million run-of-mine tonnes (M ROMt) per annum for 15 years (not including site decommissioning)
- Construction estimated to be 1.5 years



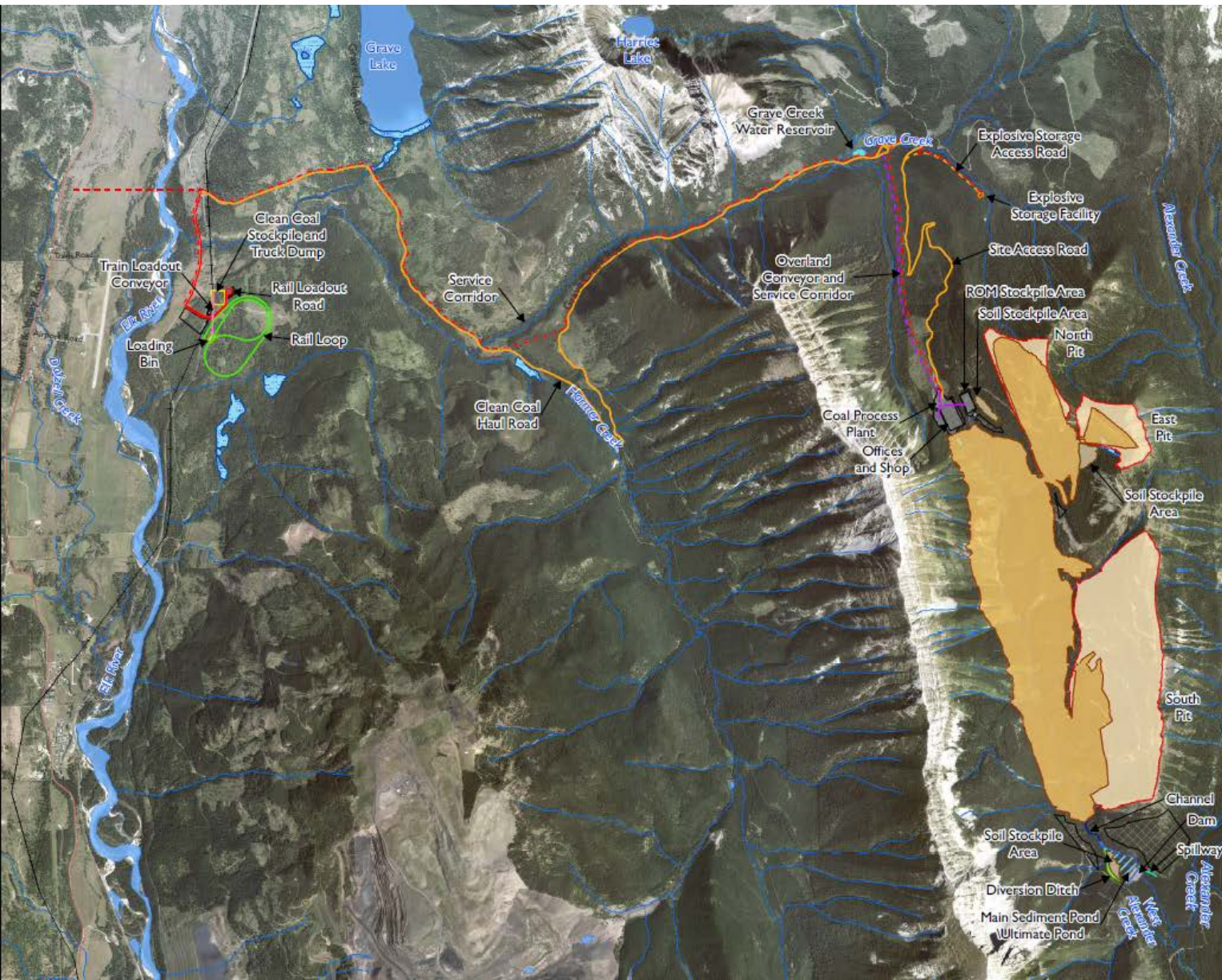
Project Location



Project Overview

- Key project components include:
 - Surface extraction areas (three pits - north pit, east pit, and south pit)
 - Mine rock management areas
 - Plant area (includes raw coal stockpile, processing plant, site support facilities)
 - Clean coal transportation route (overland conveyor and haul road)
 - Rail load out facility and rail siding
 - Power and natural gas supply
 - Explosives and fuel storage
 - Sewage treatment
 - Water supply





Crown Mountain Coking Coal Project

FIGURE I
PROJECT FOOTPRINT - 2020/05/22

LEGEND

- Project Footprint Infrastructure**
- Channel to Ultimate Pond
 - Clean Coal Haul Road/Site Access
 - Explosive Storage Access Road
 - Rail Loadout Road
 - Rail Loop
 - Service Corridor
 - Coal Process Plant Conveyor
 - Train Loadout Conveyor
 - Overland Conveyor
 - Waste Dump
 - Mined Area
 - Clean Coal Stockpile and Truck Dump
 - Soil Stockpile Area
 - Explosive Storage Facility
 - Loading Bin
 - Plant Steel/ROM Stockpile Area
 - Water Reservoir
 - Main Sediment Pond/Ultimate Pond
 - Dam
 - Spillway
 - Diversion Ditch
 - Contingency Area
- Base Data**
- Arterial Roads
 - Local/Resource Roads
 - Railway (Canadian Pacific)
 - Watercourse
 - Waterbody
 - Wetland
 - BC/Alberta Border



This Drawing Information Data Provided by Province of British Columbia, NWP Coal Canada Ltd., Dillon Consulting Limited.

Map Created By: JFC/BBB
Map Checked By: LKJ
Map Projection: NAD 83 UTM Zone 13N



PROJECT: 13-4231
STATUS: DRAFT
DATE: 2020-05-22

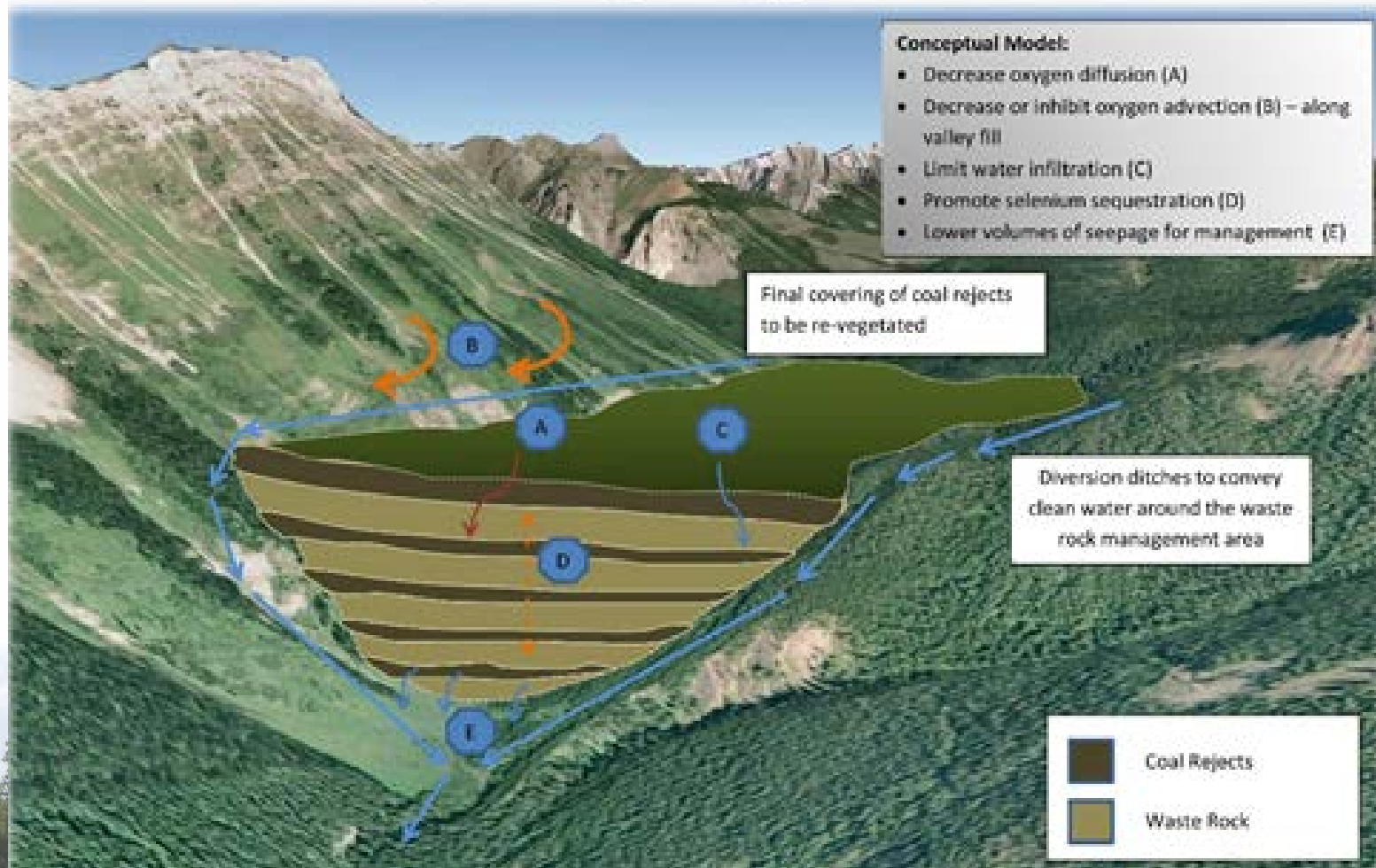
Federal and Provincial Regulatory Overview

- Reviewable under both federal (CEAA 2012) and provincial (EAA 2002) legislation
- Currently in Pre-Application phase:
 - Project Description, accepted October 2014
 - Federal EIS Guidelines, issued February 2015
 - Provincial Valued Components for Environmental Assessment, completed April 2016
 - Provincial Application Information Requirements, approved April 2018



Selenium Management

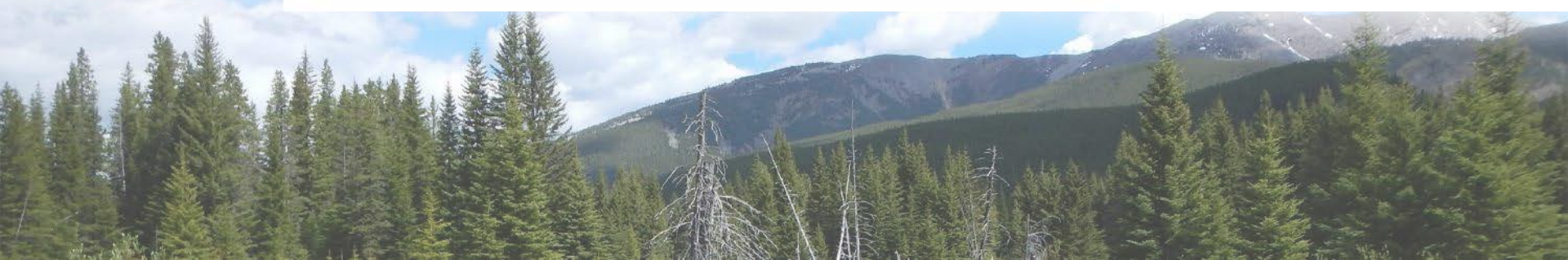
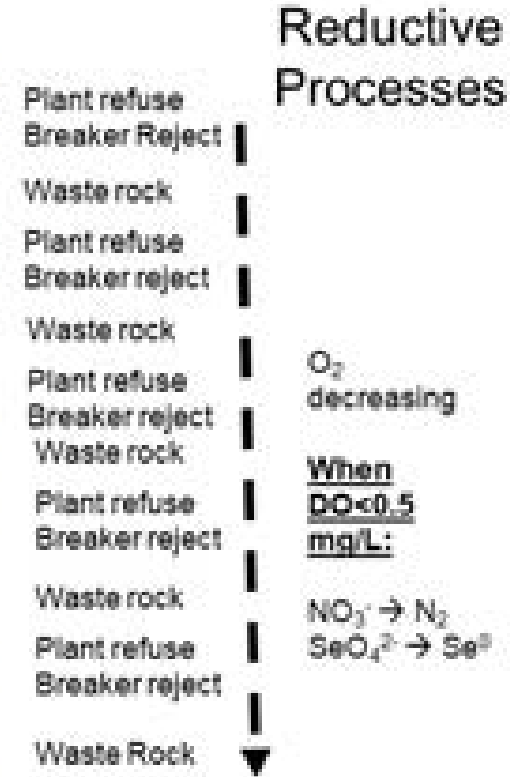
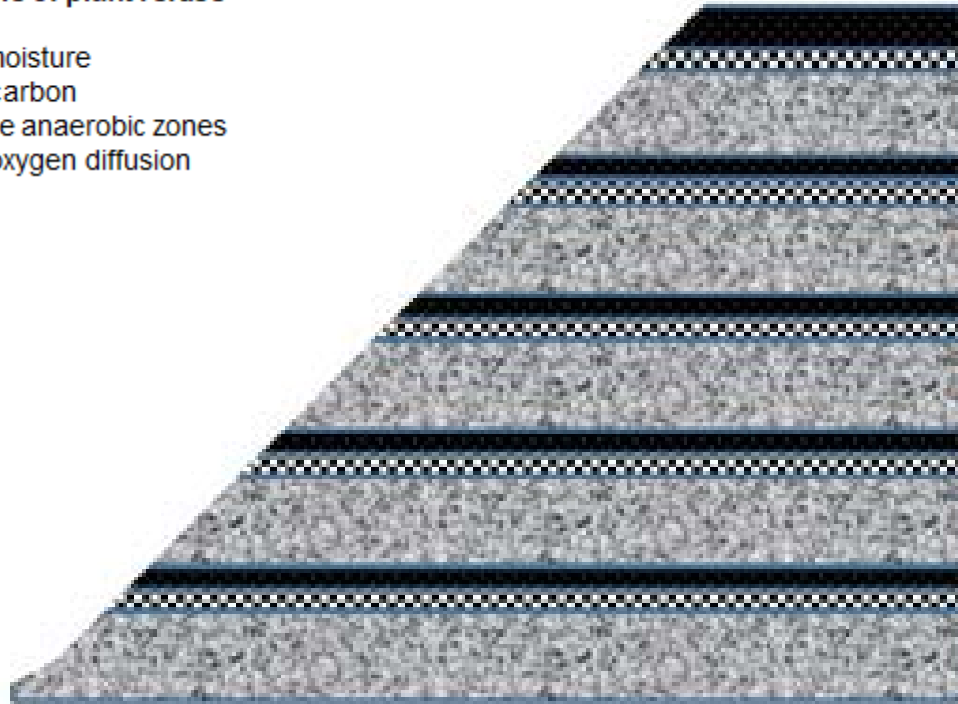
Waste Rock Management: Layered Approach



Selenium Management

Expected role of plant refuse layers:

- Retain moisture
- Supply carbon
- Generate anaerobic zones
- Retard oxygen diffusion



Baseline Programs

- Baseline programs initiated in 2012
- Completed baseline programs include:
 - Archeology Assessment
 - Fish and fish habitat
 - Terrestrial Ecosystem Mapping
 - Wildlife (furbearers, ungulates, birds, bats, amphibians)
 - Soil and terrain mapping, and chemistry
 - Aquatic health
 - Vegetation baseline
 - Wetland ecosystem assessment
 - Hydrology
 - Meteorology
 - Noise
 - Air quality (dust fall)

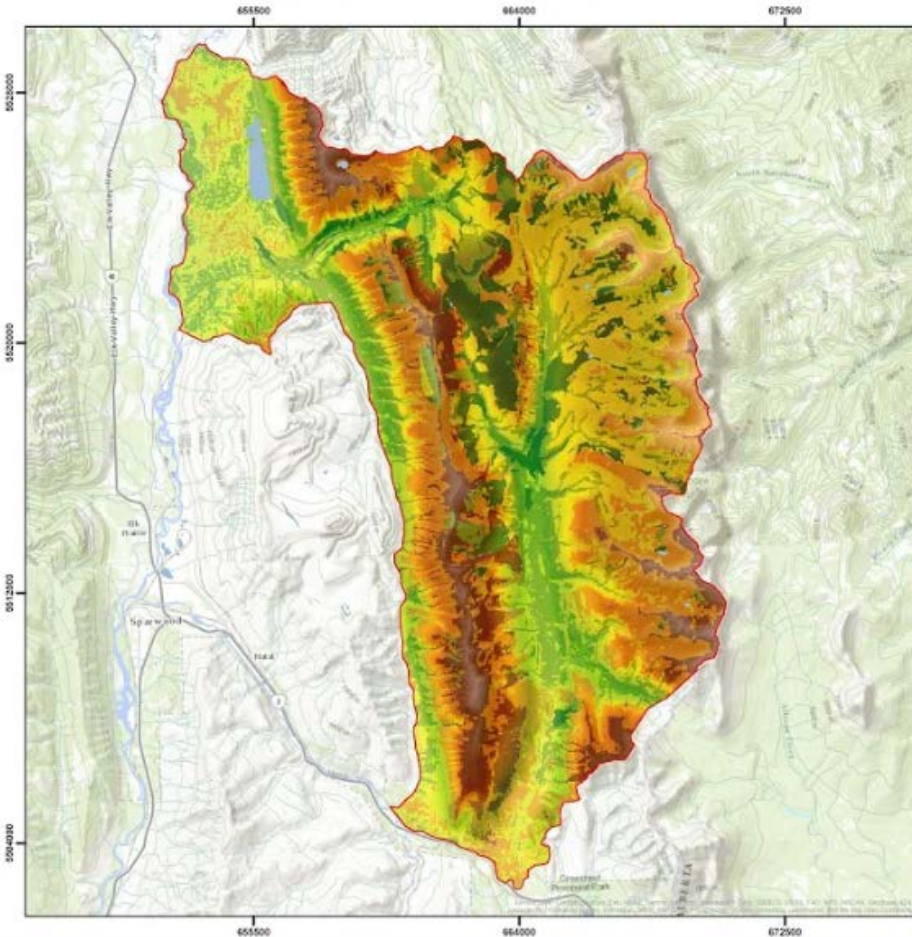


Baseline Programs

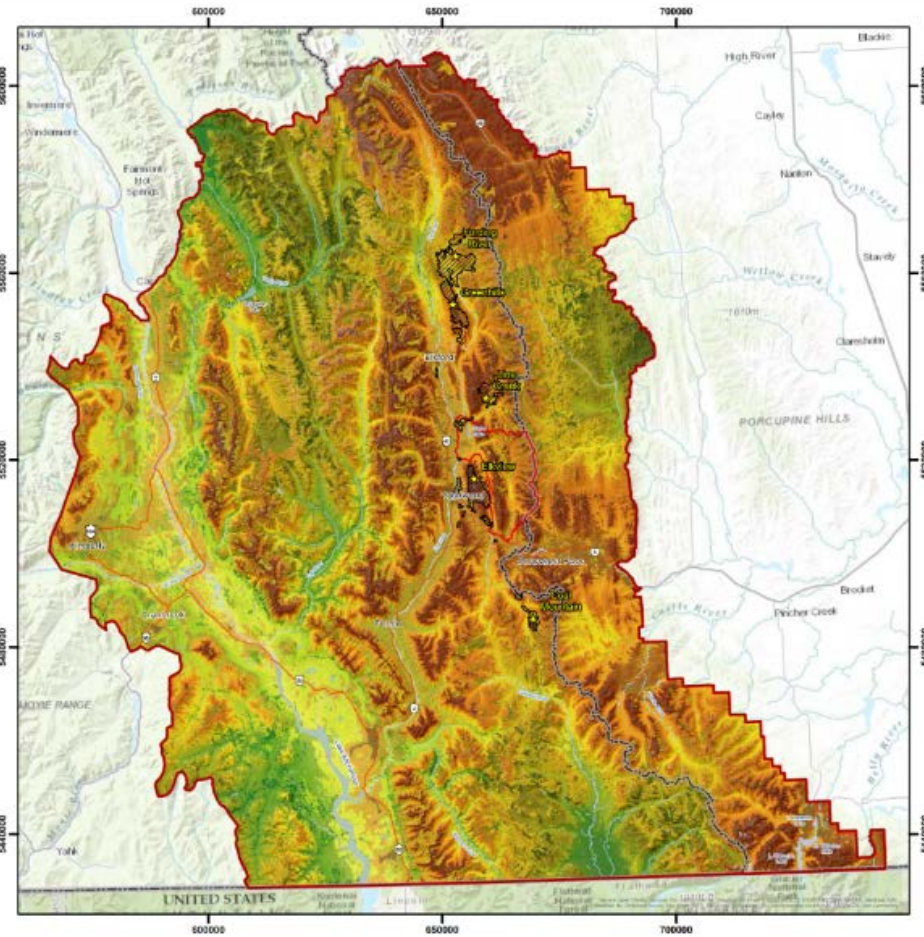
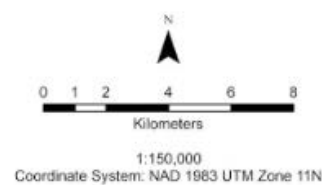
- Ongoing programs include:
 - Groundwater / hydrogeology
 - Surface water quality
 - Geochemistry
 - Human Health and Ecological Risk Assessment
 - Social, economic, and land use assessment
 - Terrestrial habitat suitability modelling



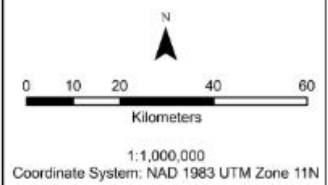
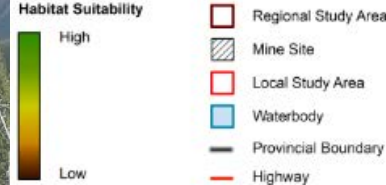
Example Terrestrial Habitat Suitability Modelling



Moose Fall/Winter Occurrence Probability



Moose Fall/Winter Habitat Suitability



Questions and Discussion

