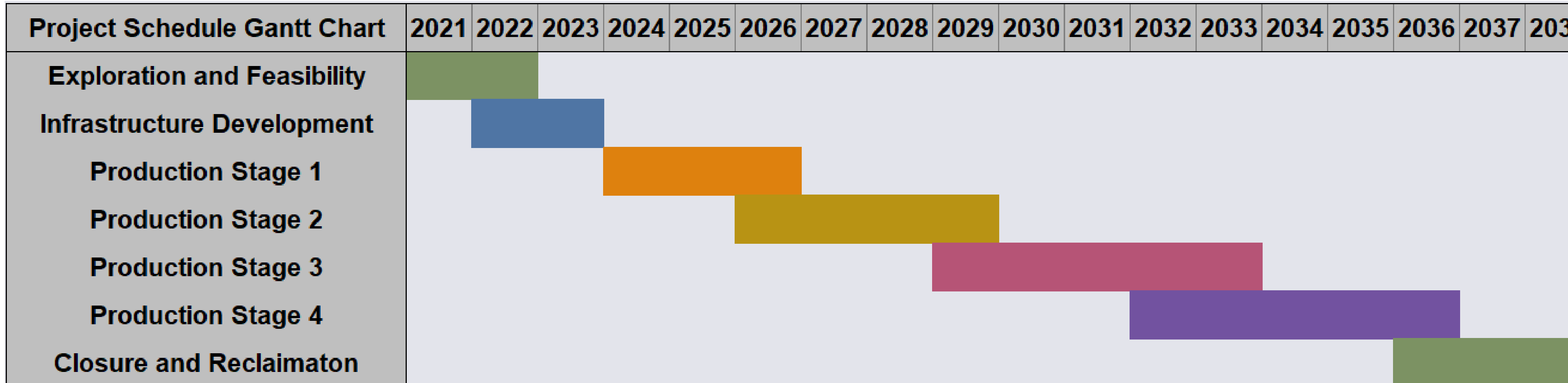
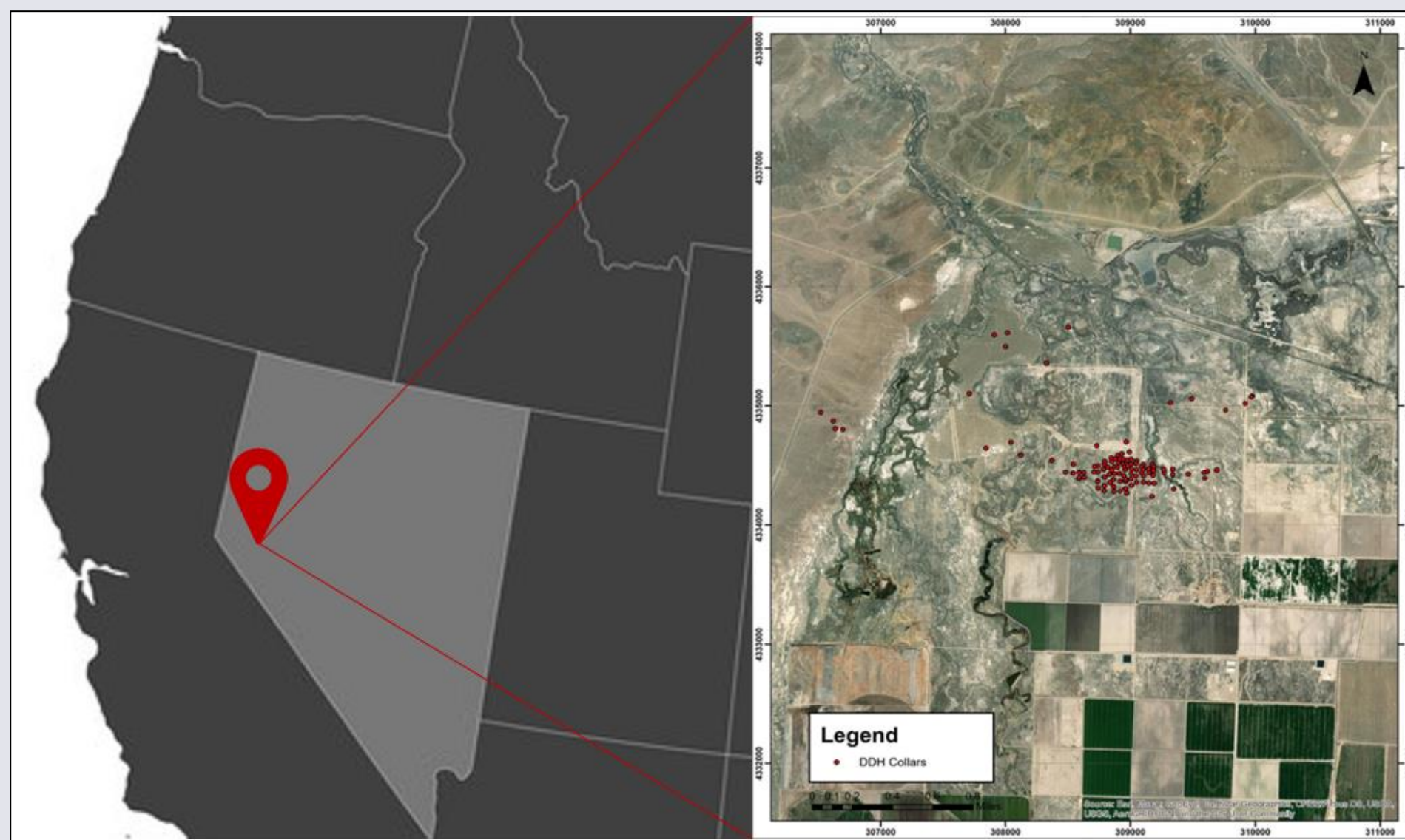


# The Jackpot Tungsten Project

## Introduction

- ❖ The Jackpot Tungsten Project is located in Mason Valley outside of Yerington, Nevada
- ❖ Approximately 7,000 acres of land were acquired by High Roller Minerals for the development of The Jackpot Project
- ❖ The Project was completed according to the National Instrument 43-101 Standards of Disclosure for Mineral Projects ("NI 43-101")



## Equipment Fleet

### Assumptions:

- ❖ 40 % mat'l bulk factor
- ❖ Travel speed:
  - 30 km/h in pit
  - 50 km/h outside
- ❖ 102% nominal load, not exceeding 10/10/20 rule and 90% fill
- ❖ 88% Eqp. Availability

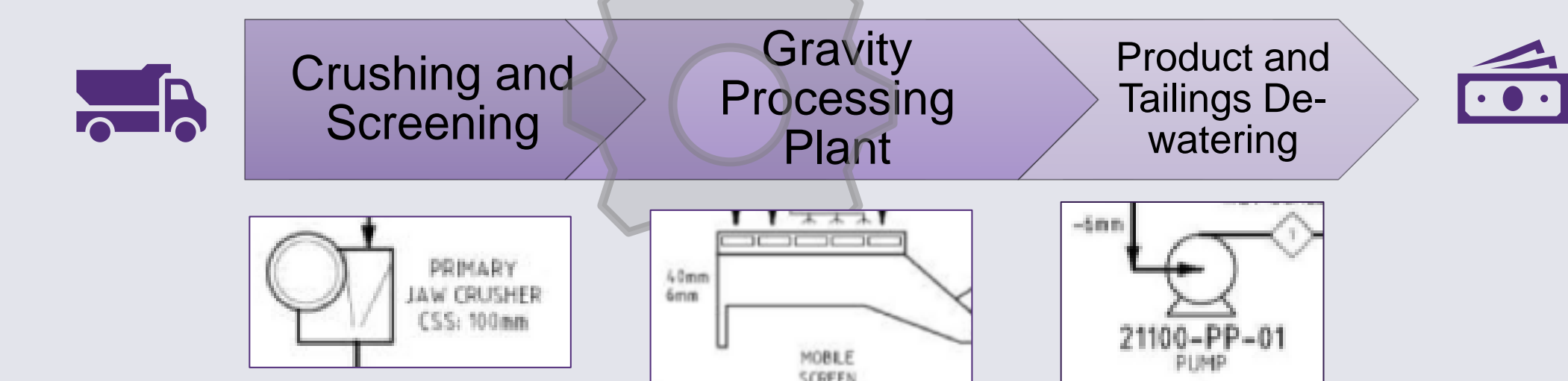
Equipment	Model No.	Qty.
Haul Truck	CAT 772G	8
Loader	CAT 992K	2
Drill Rig	CAT MD6200	2
Grader	CAT 18	1
Water Truck	CAT Add-on	1
Fuel Truck	CAT Add-on	1
Utility Vehicle	Landcruiser	2

## Stability Analysis

- ❖ Stability analyses were performed utilizing the computer program SLIDE2 (Rocscience 2022). Rock mass failure potential was assessed for circular failures.
- ❖ Low Ball Pit Slope Stability Factors of Safety ("SF") varied from 1.96 in the North, and 2.13 in the West
- ❖ High Ball Pit SF values varies from SF = 1.81 in the North, to SF= 2.14 in the West.
- ❖ Taking a safety design criteria SF = 1.3, all pit slopes are considered stable.

## Processing Plant

- ❖ On site processing includes crushing and screening, gravity separation and froth flotation.
- ❖ Flotation separation is used, supplemented by leaching, roasting, and magnetic or high-tension separation when required.



## Environmental and Social Governance (ESG)

- ❖ High Roller sets ambition to be a leader in the junior mining sector in a transition to a clean economy.
- ❖ As tungsten becomes increasingly critical in the transition to a clean economy, High Roller is well positioned to be at the forefront of this growth opportunity.
- ❖ Reclamation efforts will consist of earthworks, re-planting native species and largely the re-sale of the open pits to the city of Yerington for the purpose of waste disposal.
- ❖ On-going site monitoring and inspections following reclamation measures.

## Conclusion and Recommendations

- ❖ The project is expected to return a NPV of 50.7 M\$ using a conservative tungsten price of 34.6 \$/kg. It is expected that an internal rate of return of 4.12% can be achieved.
- ❖ The stability of the open pit is very stable, with little precipitation and all SF surpass design criteria of 1.3
- ❖ The mine life will operate over 12.6 years producing 14,100 tonnes per day to the on-site mill. The average grades of ore are by weight.
- ❖ It is recommended a further sensitivity analysis be completed regarding the price of tungsten and the discount factor used for NPV analysis to determine probability of a positive NPV.
- ❖ Further exploration and feasibility studies.

## References

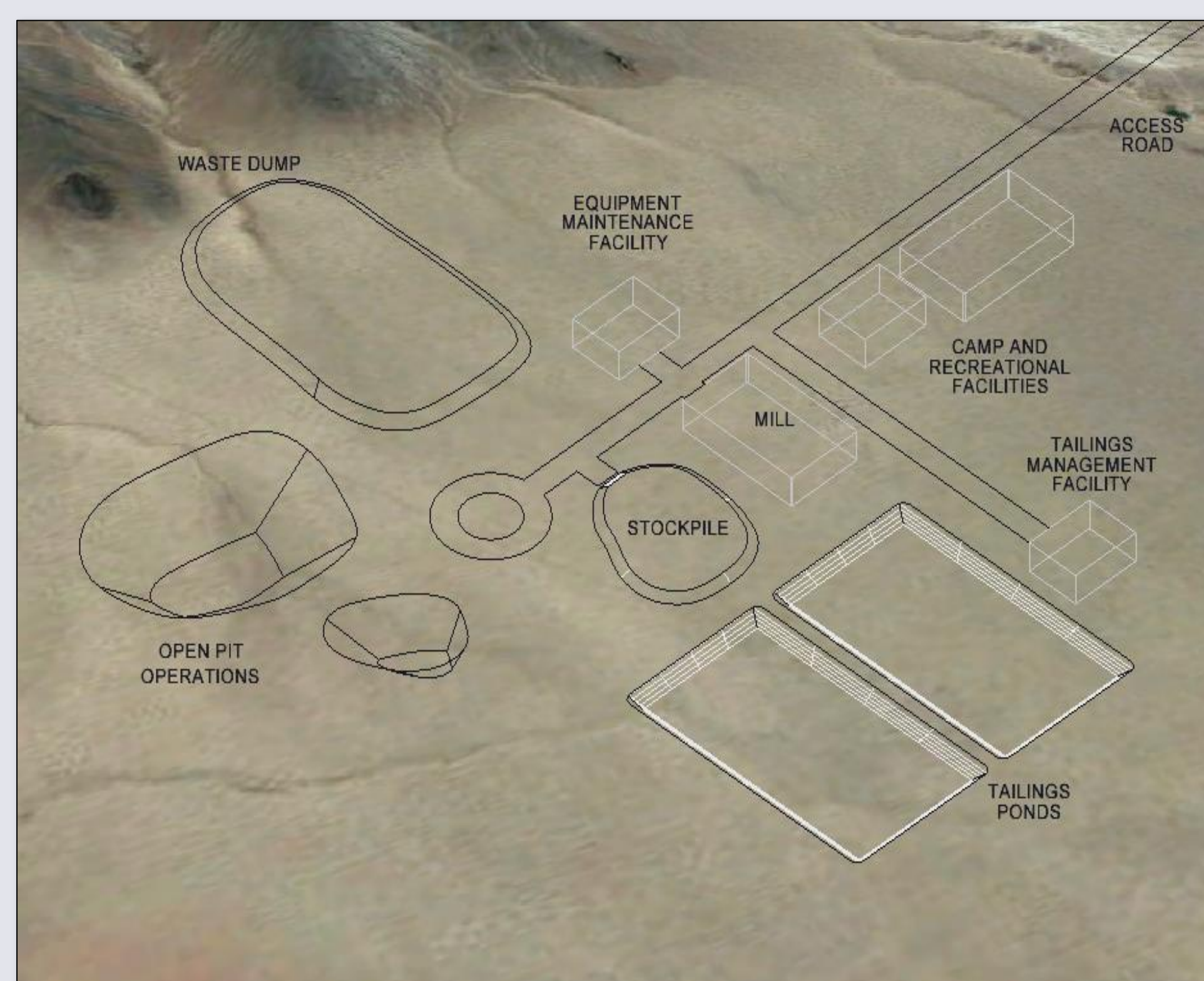
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Thank you to Dalhousie Faculty, Colleagues, and Industry Sponsors

## Operation Overview

- ❖ 14,100 tpd open pit operation
- ❖ Producing tungsten from tungsten trioxide
- ❖ Cut-off grade of 0.25 %
- ❖ Secondary minerals of gold, silver, and copper
- ❖ Production life projected for 13 years
- ❖ Reclamation and closure period of 3 years

## Project Site Layout



## Open Pit Design

- ❖ Triple 18 m bench with a 75° bench face angle (6 m production benches).
- ❖ 8.3 m catch bench width
- ❖ 15° grade two-way ramp with width of 21 m
- ❖ High Ball Pit
  - 400 m long in E-W, and 285 m long in N-S
- ❖ Low Ball Pit
  - 275 m in the E-W and 200 m in N-S

## Design Process

