



# Mining Readiness Strategy



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# PRESENTATION OVERVIEW

Update on 2013 projects studied

2020 Major Exploration Projects

Lithium Deposits in NWO

Key themes & chapters to be addressed

Economic contribution of NWO mines

KEY TOPICS

# 2013 PROJECT STUDIED & WHERE THEY ARE IN 2020

03

Cliffs (now Noront), Black Thor, Noront's Eagles Nest  
(advancing slowly—road EA and design)

Rainy River's (now New Gold) Rainy River (in production)

Rubicon's Phoenix (advancing-FS underway)

Osisko's (now Agnico Eagle) Hammond Reef (EAs all complete  
contemplating development)

Stillwater's (now Generation Mining) Marathon PGE  
(advancing- +ve PEA)

Bending Lake (now Ambershaw Metallics) Iron  
(EA underway)—large bulk sample planned)

Treasury's Goliath (advancing-PFS Underway)

Goldcorp's (now Newmont) Cochenour (in production)

North American Palladium's (now Impala  
Canada) LDI mine expansion (in production).



# 2020 MAJOR EXPLORATION PROJECTS IN NWO

04

## PURE GOLD

Madsen, Red Lake  
Gold

## GREEN STONE GOLD

Hardrock, Geraldton  
Gold

## TREASURY METALS

Goliath, Dryden  
Gold

## FIRST MINING GOLD

Springpole Lake, Red Lake  
Gold

## NEW GOLD

Intrepid Zone, Fort Frances  
Gold

## RUBICON MINERALS

Phoenix, Red Lake  
Gold

## GENERATION MINING

Marathon  
Palladium, Gold

## AVALON

Separation Rapids, Kenora  
Li

## ROCK TECH ARDIDEN

Georgia Lake, Lake Nipigon  
Li

## FRONTIER LITHIUM

PAK, Red Lake  
Li

## ZEN GRAPHENE

Albany, Hearst  
Graphite

## NORONT RES

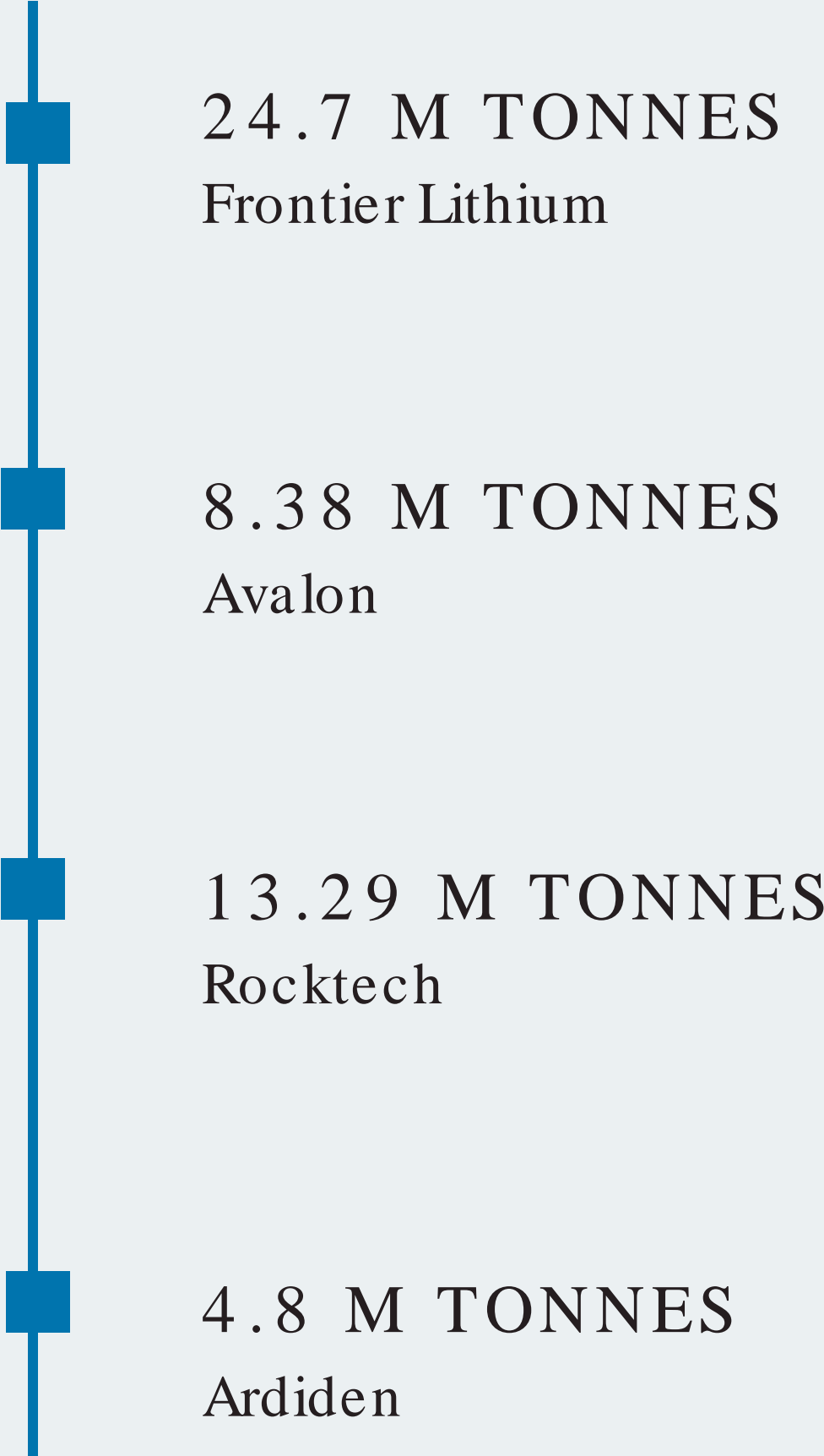
Eagles Nest Cu NI  
Copper, nickel, palladium,  
chromite

## CLEAN AIR METALS

Thunder Bay  
Palladium, platinum

# LITHIUM DEPOSITS IN NORTHWESTERN ONTARIO

TOTAL: 51.17 M TONNES  
OF LITHIUM ORE @ >1%Li<sub>2</sub>O



Chapters in the Ferrochrome Processing study and proposal to Noront – Feb 2018 covering:

- Community Housing,
- Labour (skilled labour) Force
- Port
- Airport
- Municipal Infrastructure,
- Regional Infrastructure (road/rail)
- Weather



# KEY THEMES TO BE ADDRESSED FOR 2020 MRS STUDY

- Community and Stakeholder Engagement
- Mining--The 13 Major Exploration Projects
- Economic Impact—GDP, taxation ,royalties to Ont and Canada—OMA and Rotman School assist here
- Supply Chain and our capability. We have grown from 200 mining supply and service companies in 2012 to 400-500 in 2020.
- Energy—to compliment Energy Task Force-IESO work
- **Transportation Infrastructure**
- **Municipal and FWFN Infrastructure and Housing/Port/Airport**
- Health Care
- **Labour/Workforce**
- **Education/Training**
- Value added opportunities
- Recommendations and Implementation
- Marketing



## ECONOMIC ANALYSIS BY CEDC

Using Rotman School and Premier Gold data of one of the new mine projects: Greenstone Gold's Hardrock Mine, the following can be said: \$301M in annual GDP contribution from mine of this size to Ontario \$106M in annual taxes and royalties to government (\$63M to Ontario per year) (Rotman School/OMA #s).





# ECONOMIC CONTRIBUTION OF NWO MINES

## 6 EXISTING NWO MINES

IF NEW MINES COME INTO PRODUCTION, WHAT DOES THAT MEAN IN TERM OF CONTRIBUTION?

### \$300 M

LDI & MUSSELWHITE MINES HAVE AN ANNUAL PROCUREMENT OF THE TWO PER YEAR IS \$300 M.

### \$105 M

THUNDER BAY'S MINE SERVICE AND SUPPLY SHARE OF LDI & MUSSELWHITE

### 550-600

MINE EMPLOYEES LIVE IN THUNDER BAY

### 500

SUPPLY AND SERVICE BUSINESSES ARE LOCATED IN THUNDER BAY





# THANK YOU

Questions?