



**NORTHISLE**  
COPPER AND GOLD INC.

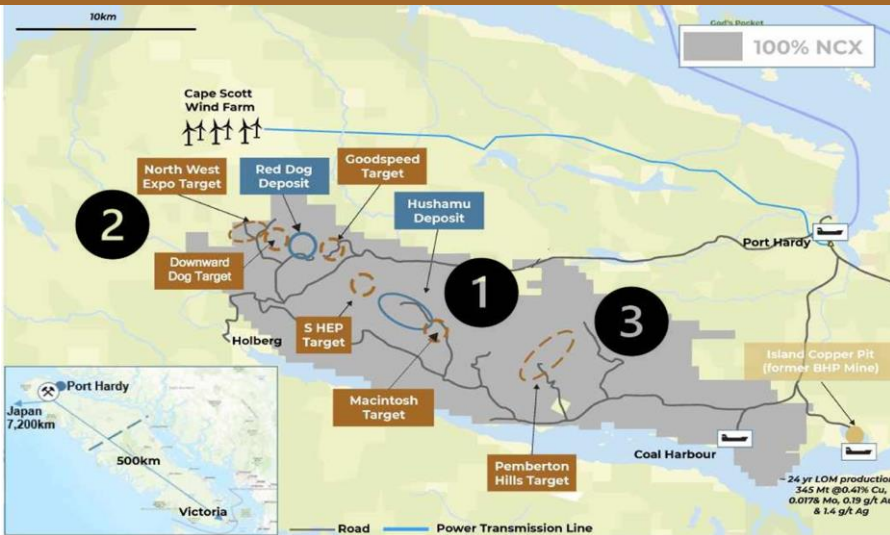
# Critical Metals For an Electrified Future

Northisle has a Clear Path to Unlock Value of District-Scale Project in 12-24 months

## ABOUT NORTHISLE

Based in Vancouver, BC, Northisle Copper and Gold currently owns one of the most promising copper gold porphyry projects in Canada. Located on northern Vancouver Island, the North Island Project's access to pre-existing infrastructure in a mining-friendly community makes it one of the developable copper projects in the world.

## THE NORTH ISLAND PROJECT



## LATEST NEWS

**August 19, 2024** – Northisle Announces Additional Assays at West Goodspeed Confirm Near-Surface Copper-Gold Porphyry-style Mineralization Within Open Volume

**July 10, 2024** – Northisle Announces Drilling at West Goodspeed has Intercepted Porphyry-related Copper Mineralization Over 800 Metre Strike

**June 25, 2024** – Northisle Announces Update on the North Island Project and Early Option Exercise by CEO

**May 23, 2024** – Northisle Commences 2024 Phase 1 Exploration Program; 2023 Drill Results Confirm Thesis at Pemberton Hills

## INVESTOR TAKEAWAYS

Developable Cu/Au project in a tier 1 jurisdiction

Robust Preliminary Economic Assessment

Rapid and Sustainable Development

Exceptional Leadership

District Scale Exploration

## CONTACT US

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**KEY HIGHLIGHTS**

NorthIsle: A Billion Dollar Critical Metals Development Project with Exploration Upside for Free



-  **Attractive, Developable, Economic Project**
-  **Leaders in Consent-Driven Decisions**
-  **Innovative Experienced Leadership**
-  **Fully Funded District Scale Exploration**

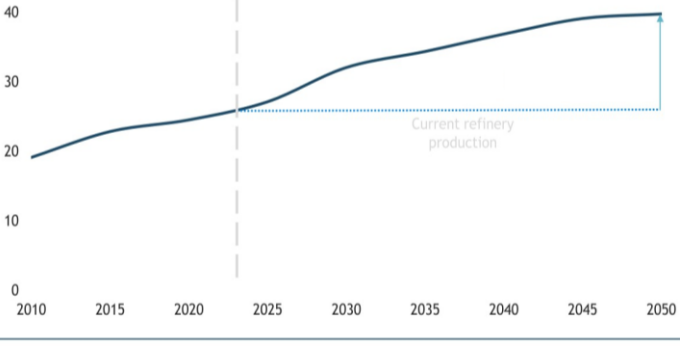
**2.5**  
Bn lbs Cu  
Indicated

**4.9**  
Mn oz Au  
Indicated

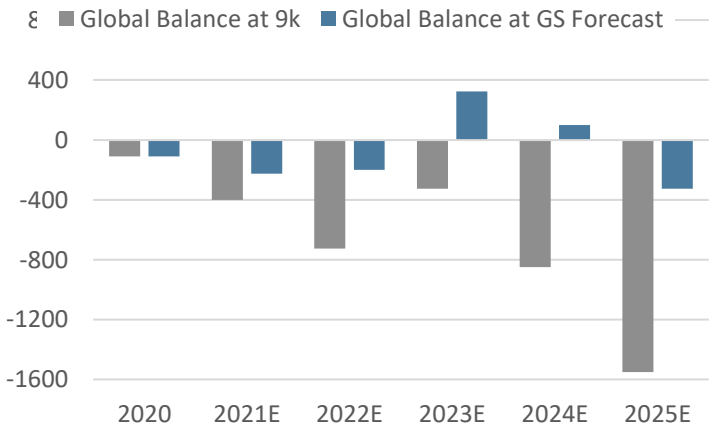
**\$1.1**  
Bn NPV (8%)

**50k**  
TPA Cu

**14Mt Supply Gap**



Source: IEA, Critical Minerals Demand Dataset, Announced pledges scenario, 2023



**THE WORLD NEEDS MORE COPPER**

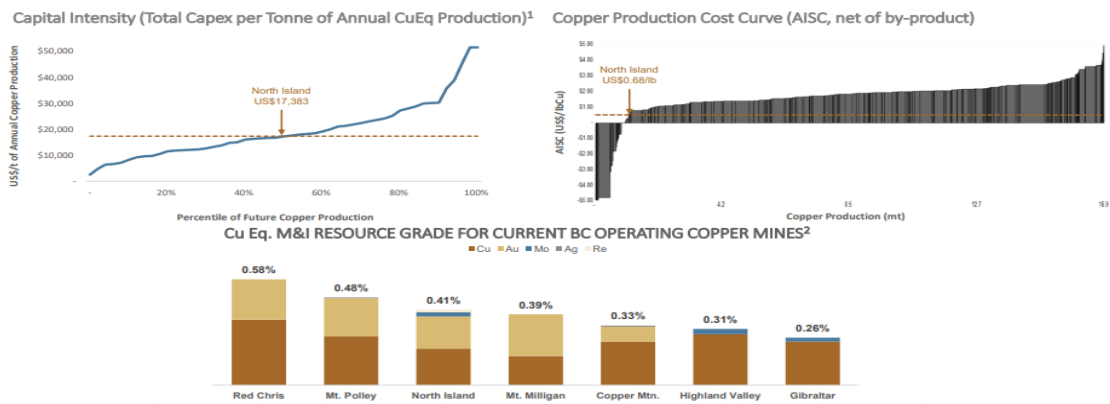
- Market analysts forecast a supply gap ranging from approximately 7 million tonnes to greater than 8 million tonnes by 2030<sup>1</sup>
- The market is running out of time to secure the necessary supply to meet forecast demand later in the decade; global EV penetration will boost copper consumption; copper is a crucial metal in developing electric vehicles and ancillary infrastructure
- The Canadian government has earmarked C\$3.8 billion in potential government funding to develop critical minerals; Copper and Molybdenum are critical minerals

1. Source: IEA, Critical Minerals Data Set. Announced pledges scenario

2. Source: Wood Mackenzie and Goldman Sachs estimates (assumes US\$9000/t copper price through 2025)

## North Island Compares Well to Producing Mines

Significant existing infrastructure and low strip support competitive capital and cost efficiency



Source: S&P Capital IQ Pro. Note: 1) Capital intensity calculated as total capex divided by avg annual CuEq production, screened from primary copper development assets and recently commissioned mines with technical reports published since Jan 1, 2018. CuEq calculated using: US\$3.25/lb Cu, US\$1,650/oz Au, US\$10.00/lb Mo, \$20/oz Ag, \$0.90/lb Pb, \$1.10/lb Zn, \$9/ton Re and US\$1,256/kg Re. 2) Using Husham and Red Dog only, peer open pit resources, Cu Eq uses North Island PEA commodity prices and 100% metal recoveries. US\$20/oz assumed for silver.

Source: Agentis Capital, Company Filings

## 2021 PEA HIGHLIGHTS<sup>2,3</sup>

<b>NPV</b>	After-tax C\$1.1bn NPV <sub>8%</sub> (C\$1.7bn NPV <sub>5%</sub> )	<b>Annual Production</b>	First 6 years: 112mlb Cu; 112koz Au; 2.7mlb Mo; LOM: 96mlb Cu; 100koz Au; 3.0mlb Mo
<b>IRR</b>	After-tax 19.0% IRR	<b>Recoveries</b>	86.4% Cu; 46.8% Au; 59.5% Mo
<b>Payback</b>	3.9 years	<b>AISC</b>	First 6 years: C\$0.77/lb Cu & C\$2.01/lb Cu Eq LOM: C\$0.90/lb Cu & C\$2.14/lb Cu Eq
<b>Free Cash Flow</b>	First 6 years avg: C\$321m after-tax LOM avg: C\$224m after-tax	<b>Strip Ratio</b>	0.71
<b>Initial Capital</b>	C\$1.4bn over a 2 year construction period	<b>Mine Life</b>	22 years at 75,000 tpd

The Preliminary Economic Assessment ("PEA") is preliminary in nature and includes inferred mineral resources that are considered too speculative geologically to have the economic considerations applied to them that would allow them to be categorized as mineral reserves and there is no certainty that the preliminary economic assessment will be realized.

After-tax Economics	■ NPV (C\$m, 8%)	○ IRR
Metal Price Scenario	2021 PEA Base Case <sup>2</sup>	2021 PEA Spot Feb 2, 2021 <sup>4</sup>
NPV <sub>5%</sub>	C\$1,683m	C\$2,116m
NPV <sub>8%</sub>	C\$1,059m	C\$1,396m
IRR	19.0%	22.3%
Payback	3.9 years	3.5 years
AISC (by-product)	C\$0.90/lb Cu	C\$0.69/lb Cu
Capital Cost		C\$1.4Bn
Sustaining Capital		C\$197m

1. Open pit resources only; Cu Eq uses North Island PEA commodity prices and 100% metal recoveries. \$US20/oz assumed for silver  
 2. PEA, Cu & Au Eq calculated using US\$3.25/lb Cu, US\$1650/oz Au, US\$10.00/lb Mo, and US\$1,256/kg Re and not adjusted for mining and metallurgical recoveries as these remain uncertain  
 3. The 2021 PEA report detailing the disclosures in this presentation was filed on March 22, 2021 and is available on the Company's website and on SEDAR.  
 4. Spot Prices as of February 2, 2021: US\$3.51/lb Cu, US\$1835.60/oz Au, US\$10.03/lb Mo and US\$1,256/kg Re

## EXPLORATION HIGHLIGHTS

- NW23-13 intersected 130m grading 1.65 g/t Au and 0.33% Cu including 72m grading 2.22g/t Au and 0.41% Cu and 15m grading 3.42 g/t Au and 1.15% Cu
- Phase 2 drilling at Northwest Expo extended mineralization over 600m strike in gold-enriched Zone 1, with NW 23-17 intersecting 66m grading 0.84 g/t Au Eq.
- Grades in the gold-rich zone at Northwest Expo in the range of three to five times higher than those at Hushamu and Red Dog
- Initial Resource Estimate: 1 Moz Au Eq (Indicated) grading 0.80 g/t Au Eq. and 0.7 Moz Au Eq (Inferred) grading 0.68 g/t Au Eq
- Metallurgical Testing Results: Recoveries of 90% Gold and 80% Copper



NW EXPO



PEMBERTON HILLS

- 6.5km x 1.5km area of high-level advanced argillic alteration and silica cap comprised variably of kaolinite, dickite, smectite, pyrite and silica typically found above buried porphyry systems
- 2022 surface geophysics identified 14 targets and Northisle conducted a preliminary drill program during 2023
- Goal of this program is proof of concept and to assist in targeting future drilling
- Results pending from 2 holes drilled during 2023

- West Goodspeed discovered during 2023 (GS23-04 and GS23-05)
- Continuous copper mineralization from surface for the length of both drill holes
- GS23-04 includes 31m grading 0.46% Cu Eq., 54m grading 0.34% Cu Eq. and 78m grading 0.48% Cu Eq
- GS23-05 includes 38m grading 0.35% Cu Eq., 125m grading 0.49% CuEq.
- Open, undrilled volume on the edge of a large magnetic anomaly in alteration interpreted to be transitional from lithocap to potassic zone
- 2023 magnetic survey completed to south with results anticipated in coming weeks



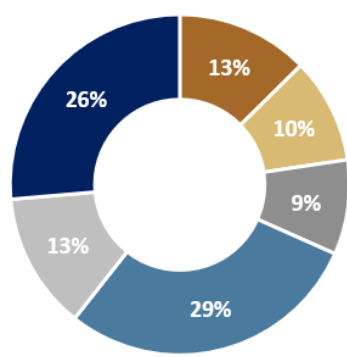
WEST GOODSPEED

## CAPITAL MARKETS PROFILE

### CAPITAL STRUCTURE

Shares Outstanding	237.9 million
Market Capitalization (C\$0.495 – Aug. 29, 2024)	C\$118 million
52 Week Trading Range	C\$.155 – C\$0.65
Options (C\$0.07 – C\$0.50)	10,448,433
Warrants	-
RSUs & DSUs	3,034,669
Fully Diluted	251.4 million
Cash (June 30, 2024)	C\$5.8 million
Debt	Nil

### SHAREHOLDER DISTRIBUTION



- Insiders
- Donald K. Johnson
- Michael Gentile
- Other HNW\*
- Institutional\*
- Other / Retail

\*Management Estimate

C\$118M Market Cap.	13% (18% F.D.) Insider Owned*	C\$5.8M Cash Balance
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### ANALYST COVERAGE

Please note: The 2021 PEA report detailing the disclosures in this factsheet was re-filed on June 8, 2022, and is available on the Company's website and on SEDAR.