

NORTHISLE 2025 PEA INDICATES 29% AFTER-TAX IRR AND \$2 BILLION NPV FOR STAGED DEVELOPMENT OF THE NORTH ISLAND PROJECT

NPV of \$3.8 Billion with an After-tax IRR of 45% at spot prices

Highlights:

- **The 2025 PEA outlines robust economics, unlocking copper value through gold**
 - Base Case: After-tax net present value (“NPV”) of \$2 billion (US\$1.5 billion) at a 7% discount rate, after-tax internal rate of return (“IRR”) of 29%, 1.9-year payback period and 29-year life of mine (“LOM”)
 - After-tax NPV of \$3.8 billion (US\$2.6 billion) at 7%, after-tax IRR of 45% and a 1.4-year payback at spot prices
 - Phase 1 average annual production of 200,000 ozs Au and 48mm lbs Cu over 5 years, with 157 million lbs Cu Eq. or approx. 307,000 ozs Au Eq. LOM
 - LOM revenue of 48% copper, 45% Au, and 7% Mo at Base Case prices, and 50% Au, 44% Cu and 6% Mo at spot
 - Phase 1 operating cash flow of \$2 billion at Base Case prices supports rapid payback of 1.9 years and fully funds Phase 2 expansion capex
 - **Among the lowest cost and capital intensity projects relative to peer group**
 - Two-phase approach at single plant site with Phase 1 at 40,000 tonnes per day (“tpd”), doubling to 80,000tpd
 - NPV of \$2.0 billion (US\$1.5 billion) is 1.7 times initial capital investment of \$1.1 billion (US\$847 million) at Base Case pricing and 3.3 times initial capex at spot prices
 - Phase 1 cash cost of US\$763/oz Au Eq. or US\$1.49/lb Cu Eq. sits in first quartile globallyⁱ
- **Long-term opportunity spanning 35-kilometer porphyry district**
 - 29-year mine plan includes only 753Mt of material of the 905Mt Indicated and 214Mt Inferred Resource
 - New discovery at West Goodspeed, located within 1km of Red Dog, not included in current resource
 - \$7 million fully funded exploration program focused on expanding higher margin and grade northwest corridor
- **Further the Company’s sustainable development goals**
 - Reduced emissions from Phase 1 operations, increased electrification opportunities
 - Estimated LOM carbon intensity among the lowest in Canada for open pit copper minesⁱⁱ

Vancouver, B.C. – Northisle Copper and Gold Inc. (TSX-V: NCX) (“Northisle” or the “Company”) is pleased to announce the positive results from a Preliminary Economic Assessment (the “2025 PEA”) for its 100% owned North Island Project (the “Project”) that demonstrate excellent economics from the staged development of the Project.

The 2025 PEA is based on a two-phase development of the Company’s 100% owned Northwest Expo and Red Dog deposits, followed by the Hushamu deposit concurrent with a plant expansion. The 2025 PEA considers the processing of 753 million tonnes of mineable material within three open pit deposits over a 29-year mine life. During the first phase, throughput is approximately 40,000tpd resulting in an initial capital expenditure of approximately \$1.1 billion (US\$849 million). Production includes a combination of gold doré and gold-rich copper concentrate. The second phase contemplates twinning the mill for a total of 80,000tpd in year 6 to produce copper concentrate (containing significant payable gold), additional gold doré, and a molybdenum concentrate (containing payable rhenium). Phase 1 delivers a short payback period of 1.9 years and strong operating cash flows (net of sustaining capital) of approximately \$400 million per year that provide a strong return and fully fund Phase 2 construction starting in year 5 (see Figure 4).

Dale Corman, Chairman, Cornerstone Shareholder, and Mining Hall of Fame recipient, commented: “I have always believed that the North Island Project is among the most promising copper and gold projects in BC, and now, I believe it’s among the most promising in the world. The results of the PEA highlight the Project’s economic potential and the opportunity

across our 35km district. Our team continues to make disciplined discoveries which we expect will continue to add value for shareholders.”

Sam Lee, President and CEO of Northisle added, “The 2025 PEA confirms our view that the North Island Project has the potential to be among the best copper and gold projects in Canada. Our approach to optimizing the PEA was built upon two strategic pillars: lowering the project capital intensity through a phased approach while maximizing overall project value and returns. Upon achieving these goals, we now have a project that sharply distinguishes itself from other more capital-intensive copper projects by *unlocking our copper value through gold*.

Of equal importance, we have just scratched the surface across our 35-kilometer porphyry district. Through our fully funded 2025 exploration program focused on the Northwest Corridor, we will test for the causative intrusion at Northwest Expo, seek to expand the footprint of West Goodspeed both along strike and via fault offsets, and in-fill West Goodspeed to enhance continuity. In our view, the combination of exploration potential and a robust development project at its core make the North Island Project one of Canada’s most compelling copper AND gold projects.

With continued support of our First Nations partners, the BC and Federal Government, our shareholders and other stakeholders, we look forward to our project providing meaningful benefits in the years and decades to come.”

Jagrup Brar, Minister of Mining and Critical Minerals stated “Responsible resource development of critical minerals in partnership with First Nations is proven to expedite mining projects in B.C. That’s why we are pleased to see Northisle continue to progress its North Island Project to unlock copper, one of Canada’s critical minerals. We look forward to working with Northisle on obtaining efficient permitting decisions.”

The Company will host a conference call and webcast on February 19, 2025 at 11:00 AM Eastern time (8:00 AM Pacific time). Details to access the call can be found below.

Key performance indicators are summarized in Table 1 below.

Table 1: 2025 Base Case Summary Project Metrics

Project Stage	Production				AISC				After-tax Avg. Free Cash Flow	After-tax NPV (7%)	After-tax IRR	GHG Emissions (kg CO ₂ /lb.)	
	Cu (mm lbs)	Au (Koz)	Cu Eq. (mm lbs)	Au Eq. (Koz)	Cu by-product (US\$/lb)	Au by-product (US\$/oz)	Cu Eq. (US\$/lb)	Au Eq. (US\$/oz)	\$ mm	\$ mm	%	Cu	Cu Eq.
Phase 1 (first 5 years) average	48	200	151	294	\$(3.23)	\$370	\$1.83	\$938	357	1,996	28.6	1.17	0.56
Life of mine (“LOM”) average	75	137	157	307	\$0.47	\$93	\$2.41	\$1,232	199				

Note: Cu Eq. based on Base Case metal prices and includes molybdenum and gold. See Table 2 for details.

2025 PEA Summary

The 2025 PEA was prepared in accordance with National Instrument 43-101 *Standards of Disclosure for Mineral Projects* (“NI43-101”) by Ausenco Engineering Canada ULC (“Ausenco”) in conjunction with an updated mine plan prepared by Moose Mountain Technical Services (“Moose Mountain”) and incorporates the previously announced integrated resource estimate for the North Island Project prepared by Moose Mountain (the “2024 Resource Estimate”). The 2025 PEA also includes an updated Mine Waste Storage Facility (“MWSF”) design prepared by Ausenco and updated metallurgical test work, also overseen by Ausenco. The Company plans to file the complete 2025 PEA report on SEDAR+ at www.sedarplus.ca within 45 days of this press release.

Table 2 summarizes the key findings of the 2025 PEA.

Table 2: 2025 PEA Economic Highlights

Base Case Economics	Units	Base Case	
Net Present Value (after tax NPV 7%)	\$ millions	1,996	
Net Present Value (after tax NPV 7%)	US\$ millions	1,477	
Internal Rate of Return	%	28.6	
Payback	Years	1.9	
Phase 1 Initial Capital Cost	\$ millions	1,144 (US\$847)	
Phase 2 Expansion Capital	\$ millions	693 (US\$513)	
Sustaining Capital Cost	\$ millions	1,278 (US\$946)	
Economic Assumptions	Units	Base Case	
Copper	US\$/lb	4.20	
Gold	US\$/oz	2,150	
Molybdenum	US\$/lb	21	
Rhenium	US\$/kg	1,950	
CAD:USD Exchange Rate	US\$/C\$	0.74	
Base Case Annual Financial Metrics	Units	First 5 years	LOM
Average Annual Revenue	\$ millions	855	902
Average Annual On-site Operating Costs	\$ millions	279	411
Avg. Ann. Operating Cash Flow (after tax)	\$ millions	418	290
Avg. Ann. Free Cash Flow (after tax)	\$ millions	357	199

The 2025 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 enable them to be categorized as mineral reserves. There is no certainty that the projections described in the 2025 PEA will be realized. Mineral resources that are not mineral reserves do not have demonstrated economic viability.

Table 3 provides a summary of the key operating metrics from the 2025 PEA.

Table 3: 2025 PEA Operating Highlights

Operating Statistics	Units	Phase 1 (First 5 Years)	Phase 2	Avg. LOM
Mine Life	Years	5	23.7	28.7
Annual Throughput	M tonnes	14.8	28.6	26.2
Waste to Processed Material	Waste:Processed Material	1.43	0.74	0.81
Total Copper Recoveries	%	86.7	79.3	80.1
Total Gold Recoveries	%	83.1	57.4	62.3
Total Molybdenum Recoveries	%	NA	51.4	51.4
Average Annual Payable Production				
Copper	mm lbs	48	81	75
Gold	Koz	200	123	137
Molybdenum	Klbs	NA	2,763	2,282
Cu Eq.	mm lbs	NA	158	157
Au Eq.	Koz	294	309	307
C1 Cost – Cu Eq payable	\$/lb	1.49	2.15	2.04
C1 Cost – Au Eq payable	\$/oz	762	1,100	1,044
AISC – Cu Eq payable	\$/lb	1.83	2.52	2.41
AISC – Au Eq payable	\$/oz	938	1,291	1,232

CuEq = copper payable lbs + ((gold payable oz * gold price)/copper price) + ((molybdenum payable lbs * molybdenum price)/copper price)

AuEq = gold payable oz + ((copper payable lbs * copper price)/gold price) + ((molybdenum payable lbs * molybdenum price)/gold price)

Cash cost = operating costs + offsite costs – Rhenium credit

AISC = cash cost + royalties + sustaining capital + closure capital

Cu Eq. and Au Eq. calculated at Base Case metal prices

Economic Sensitivity

An economic analysis was conducted based on spot metal prices (the “Spot Price”) as of February 11, 2025 and assumed no changes to any other modifying factors.

Table 4: 2025 PEA Economic Highlights

Spot Price Economics	Units	Spot Price ¹
Net Present Value (after tax NPV 7%)	\$ millions	3,754
Net Present Value (after tax NPV 7%)	US\$ millions	2,625
Internal Rate of Return	%	45.1
Payback	Years	1.4
Phase 1 Initial Capital Cost	\$ millions	1,144 (US\$847)
Phase 2 Expansion Capital	\$ millions	693 (US\$513)
Sustaining Capital Cost	\$ millions	1,278 (US\$946)
Economic Assumptions	Units	Spot Price ¹
Copper	US\$/lb	4.67
Gold	US\$/oz	2,908
Molybdenum	US\$/lb	21
Rhenium	US\$/kg	2,417
CAD:USD Exchange Rate	US\$/C\$	0.70

¹ – Spot price as of February 11th, 2025

Table 5 summarizes the after-tax sensitivities of NPV and IRR to metal prices.

Table 5: 2025 PEA Post Tax Sensitivity Summary

Post-Tax Sensitivity to Metal Price (C\$M)															
Post-Tax NPV Sensitivity To Discount Rate (\$M)								Post-Tax IRR Sensitivity To Discount Rate							
Commodity Price							Spot Price	Commodity Price							Spot Price
Discount Rate		(20%)	(10%)	-	10%	20%	-	Discount Rate		(20%)	(10%)	-	10%	20%	-
	3%	1,649	2,598	3,546	4,500	5,450	6,299		3.00%	16.6%	22.9%	28.6%	33.7%	38.6%	45.1%
	5%	1,160	1,903	2,642	3,384	4,121	4,814		5.00%	16.6%	22.9%	28.6%	33.7%	38.6%	45.1%
	7%	806	1,404	1,996	2,588	3,176	3,754		7.00%	16.6%	22.9%	28.6%	33.7%	38.6%	45.1%
	8%	665	1,207	1,742	2,276	2,805	3,337		8.00%	16.6%	22.9%	28.6%	33.7%	38.6%	45.1%
	10%	439	890	1,334	1,774	2,210	2,667		10.00%	16.6%	22.9%	28.6%	33.7%	38.6%	45.1%
Post-Tax NPV Sensitivity To OPEX (\$M)								Post-Tax IRR Sensitivity To OPEX							
Commodity Price							Spot Price	Commodity Price							Spot Price
OPEX		(20%)	(10%)	-	10%	20%	-	OPEX		(20%)	(10%)	-	10%	20%	-
	(20%)	1,310	1,902	2,492	3,082	3,668	4,247		(20%)	21.2%	26.9%	32.2%	37.1%	41.8%	48.0%
	(10%)	1,059	1,654	2,244	2,835	3,423	4,001		(10%)	19.0%	24.9%	30.4%	35.4%	40.2%	46.5%
	-	806	1,404	1,996	2,588	3,176	3,754		-	16.6%	22.9%	28.6%	33.7%	38.6%	45.1%
	10%	552	1,154	1,748	2,341	2,933	3,508		10%	14.0%	20.6%	26.6%	32.0%	37.0%	43.6%
	20%	294	904	1,501	2,094	2,686	3,262		20%	11.0%	18.3%	24.6%	30.2%	35.3%	42.0%
Post-Tax NPV Sensitivity To Initial Capex (\$M)								Post-Tax IRR Sensitivity To Initial Capex							
Commodity Price							Spot Price	Commodity Price							Spot Price
Initial Capex		(20%)	(10%)	-	10%	20%	-	Initial Capex		(20%)	(10%)	-	10%	20%	-
	(20%)	988	1,581	2,173	2,760	3,350	3,929		(20%)	21.9%	29.5%	36.3%	42.5%	48.2%	56.0%
	(10%)	898	1,492	2,085	2,673	3,263	3,841		(10%)	18.9%	25.8%	32.0%	37.6%	42.9%	50.0%
	-	806	1,404	1,996	2,588	3,176	3,754		-	16.6%	22.9%	28.6%	33.7%	38.6%	45.1%
	10%	715	1,314	1,910	2,500	3,092	3,667		10%	14.7%	20.4%	25.7%	30.5%	35.1%	41.0%
	20%	622	1,224	1,820	2,412	3,004	3,580		20%	13.2%	18.4%	23.4%	27.9%	32.1%	37.6%
Post-Tax NPV Sensitivity To Recovery Mill (\$M)								Post-Tax IRR Sensitivity To Recovery Mill							
Commodity Price							Spot Price	Commodity Price							Spot Price
Recovery Mill		(20%)	(10%)	-	10%	20%	-	Recovery Mill		(20%)	(10%)	-	10%	20%	-
	(20%)	85	623	1,141	1,651	2,159	2,704		(20%)	8.1%	14.4%	19.9%	24.9%	29.6%	35.5%
	(10%)	446	1,011	1,564	2,114	2,664	3,223		(10%)	12.5%	18.7%	24.3%	29.5%	34.2%	40.4%
	-	806	1,404	1,996	2,588	3,176	3,754		-	16.6%	22.9%	28.6%	33.7%	38.6%	45.1%
	10%	1,204	1,839	2,473	3,103	3,733	4,332		10%	20.6%	26.9%	32.6%	37.9%	43.0%	49.6%
	20%	1,732	2,407	3,082	3,751	4,425	5,043		20%	24.8%	31.0%	36.7%	42.1%	47.2%	54.1%
Post-Tax NPV Sensitivity To Head Grade (\$M)								Post-Tax IRR Sensitivity To Head Grade							
Commodity Price							Spot Price	Commodity Price							Spot Price
Head Grade		(20%)	(10%)	-	10%	20%	-	Head Grade		(20%)	(10%)	-	10%	20%	-
	(20%)	(249)	298	778	1,248	1,712	2,152		(20%)	3.4%	10.8%	16.3%	21.3%	25.9%	31.5%
	(10%)	312	858	1,390	1,918	2,445	2,952		(10%)	10.9%	17.2%	22.7%	27.8%	32.5%	38.5%
	-	806	1,404	1,996	2,588	3,176	3,754		-	16.6%	22.9%	28.6%	33.7%	38.6%	45.1%
	10%	1,288	1,946	2,603	3,255	3,908	4,559		10%	21.7%	28.1%	33.8%	39.3%	44.4%	51.3%
	20%	1,766	2,488	3,205	3,923	4,642	5,365		20%	26.4%	32.9%	38.8%	44.4%	49.8%	57.2%

Note: FX sensitivity has only been applied to revenue in this study. Future studies will further model FX sensitivity. Spot Price is US\$4.67/lb Cu, US\$2,908/oz Au, US\$21/lb Mo, US\$2,417/kg Re and an FX rate of 0.70.

Figure 1: Sensitivity Summary Post-Tax NPV (7%)

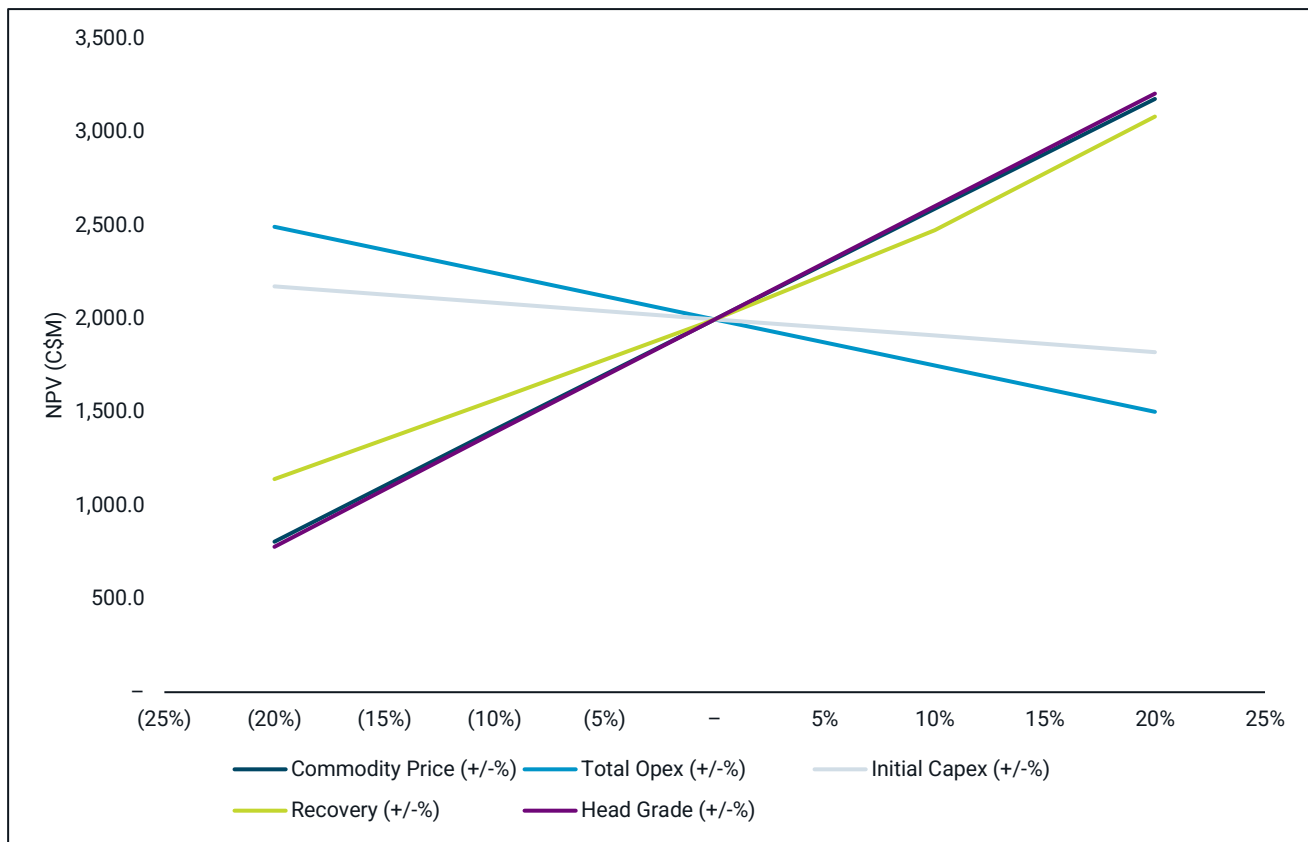


Figure 2: Sensitivity Summary Post-Tax IRR

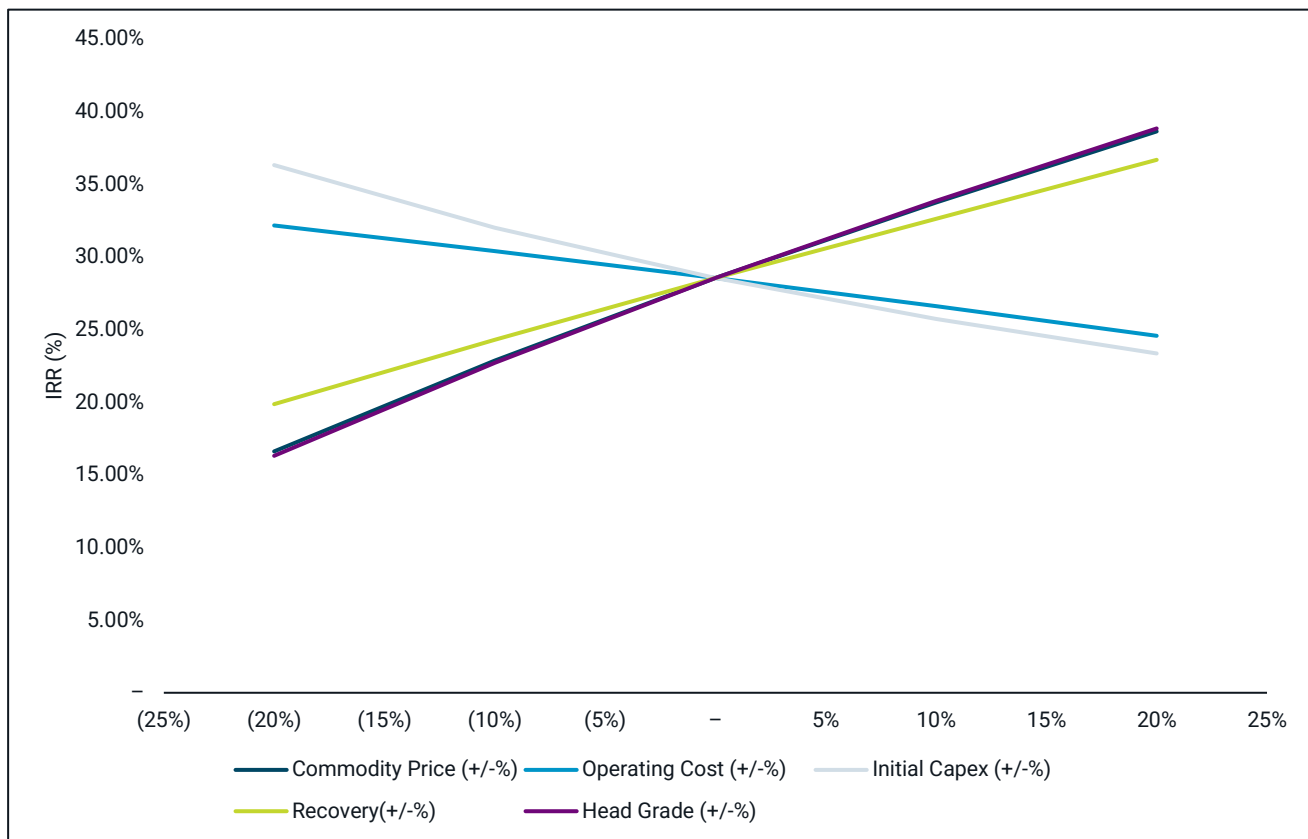


Figure 3: Annual Production Chart

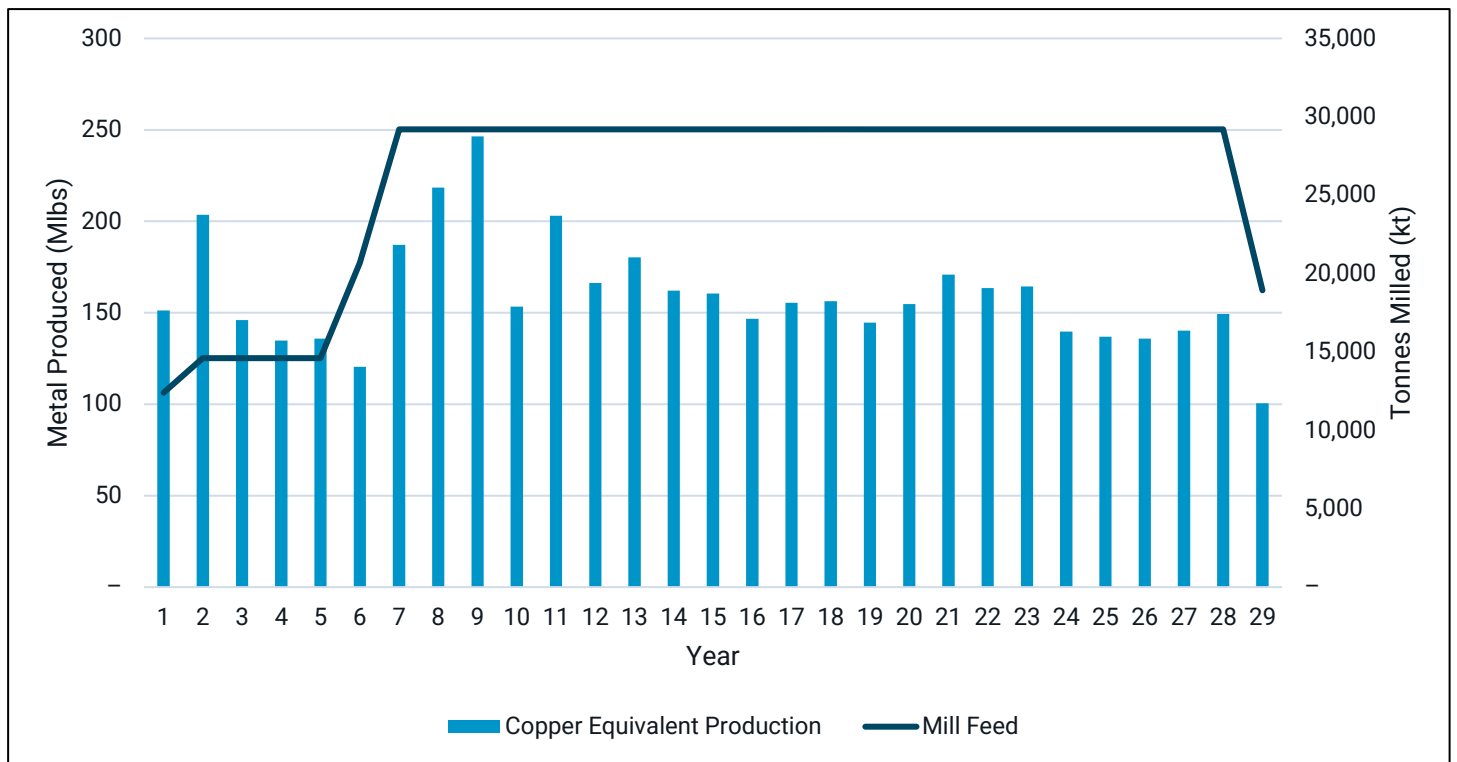
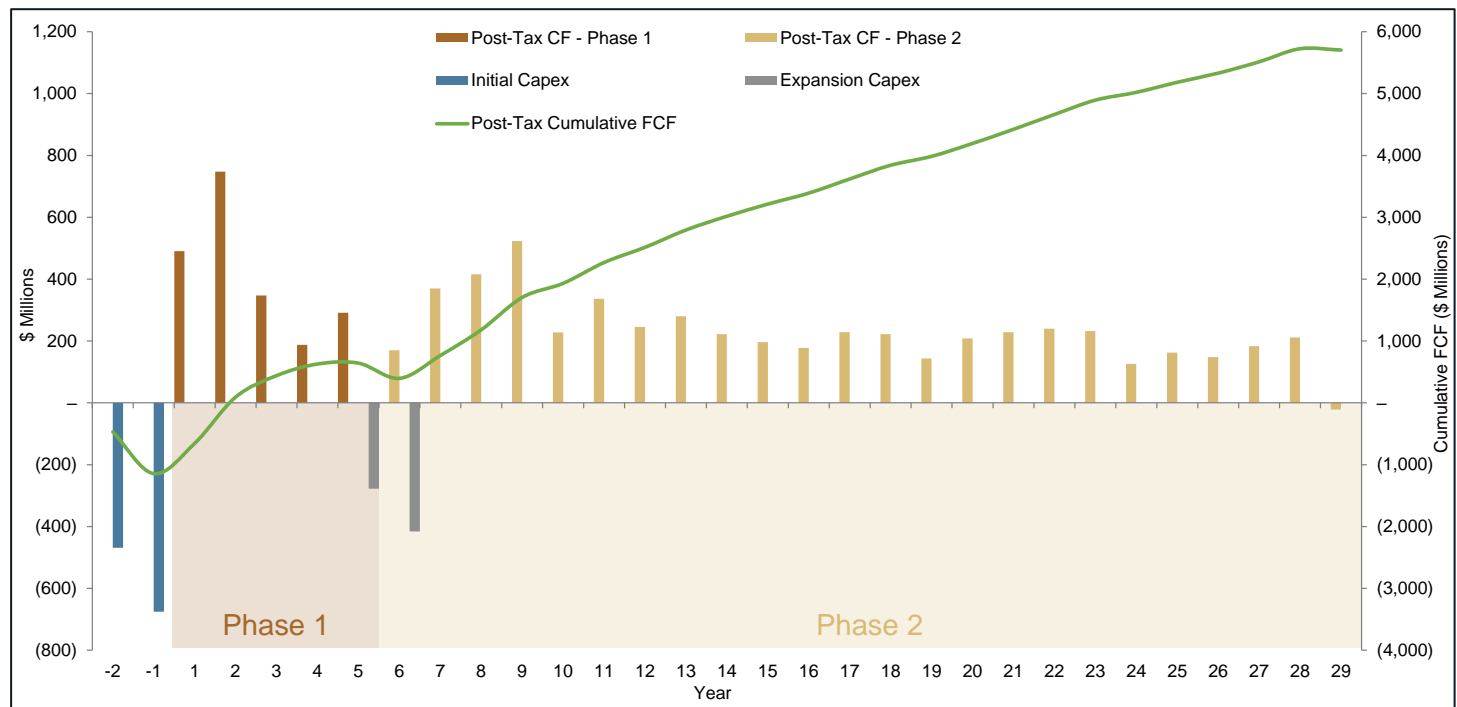


Figure 4: Annual Cumulative FCF Chart



Comparison to 2021 PEA

Table 6: Comparison of 2021 PEA to 2025 PEA

Information/Data Type	2021 PEA	2025 PEA
Economics	\$1.1 billion After-tax NPV (8%) and 19% After-tax IRR	\$2.0 billion After-tax NPV (7%) and 29% After-tax IRR
Initial Capital Expenditure	\$1.4 billion	\$1.1 billion (US\$847 million)
Payback of initial capital expenditure	3.9 years	1.9 years, expansion capital expenditure paid out of after-tax free cash flow
After-Tax Free Cash Flow	Average annual after-tax free cash flow of \$321 million during the first 6 years, \$224 million LOM	Average annual after-tax free cash flow (includes all capex) of \$357m first 5 years, \$199m LOM
AISC	US\$2.01/lb Cu Eq over first 6 years, US\$2.14/lb Cu Eq LOM	US\$1.83/lb Cu Eq over first 5 years, US\$2.41/lb Cu Eq LOM
Annual Production	First 6-year average payable production of 112mm lbs Cu and 112 koz Au; LOM average payable production of 96mm lbs Cu and 100koz Au, including 1.0kt Mo	First 5-year average payable production of 200koz Au and 48mm lbs Cu; LOM average annual payable production of 75mm lbs Cu and 137 koz Au, plus 1.0kt Mo and Re credits
Mine Life	22 years	29 years
Mine Capacity	75 ktpd for Red Dog and Hushamu mine and mill	2 Stage production plan, 40 ktpd expanding to 80 ktpd to provide early processing of Au rich NW Expo material to significantly improve project economics
Processing and Metallurgy	Flotation of Red Dog and Hushamu material to produce Cu concentrate and Molybdenum concentrate	Flotation plus cyanide leach of rougher and cleaner (Ph 1) and cleaner (Ph 2) flotation tails to add 15-25% improvement in Au recovery by producing Au doré
Project Capital Expenditure	Single Phase initial capital - more difficult to finance	2 Phase production provides significantly reduced initial capital to facilitate project financing. Second phase expansion paid entirely out of free cash flow.

Information/Data Type	2021 PEA			2025 PEA			
	Base Case	Spot Price	Base Discount to Spot	Base Case	Spot Price	Base Discount to Spot	
Pricing							
Cu Price	US\$/lb	3.25	3.51	7%	4.20	4.67	10%
Au Price	US\$/oz	1,650	1,835	10%	2,150	2,908	26%
Mo Price	US\$/lb	10	10	0%	21	21	0%
Re Price	US\$/kg	1,256	1,256	0%	1,950	2,417	19%
Exchange Rate	USD/CAD	0.75	0.75	0%	0.74	0.70	(6%)
Production		LOM		First 5 years		LOM	
Mine Life	Years	22		5		28.7	
Total Mill Feed	kt	600,359		74,133		752,164	
Strip Ratio	Waste : Processed	0.71		1.43		0.81	
Mill Design Capacity	tpd	75,000		40,000		80,000	
Processing and Metallurgy		Cu and Au flotation to produce Cu con and separate Moly con		Cu and Au flotation to produce Cu con and separate Moly con, cyanide leach of NW Expo and Red Dog ore rougher and cleaner tails, and Hushamu cleaner tails			
Total Copper Recovery	%	86%		86.7		80.1	
Total Gold Recovery	%	47%		83.1		62.3	
Total Molybdenum Recovery	%	60%		51.4		51.4	
Average Annual Cu Production	mm lbs	96		48		75	
Average Annual Au Production	koz	100		200		137	
Average Annual Mo Production	kt	1.1		N/A		1.0	
Annual CuEq Production	mm lbs	156		151		157	
Total Cu Recovered	mm lbs	2,035		240		2,168	
Total Au Recovered	koz	2,143		1,002		3,932	
Total Mo Recovered	kt	25		N/A		30	
Total CuEq Recovered	mm lbs	3,430		753		4,509	
Operating Cost							
Mining Cost	\$/t mined	2.32		3.16		3.12	
Processing Cost	\$/t milled	5.58		10.39		9.36	
G&A Cost	\$/t milled	0.38		1.25		0.68	

Smelting and Refining Cost	\$/t milled	1.32	1.65	0.81
Total Operating Cost	\$/t milled	11.12	19.68	15.69
Cash Cost	US\$/lb CuEq	2.09	1.49	2.04
AISC	US\$/lb CuEq	2.14	1.83	2.41
Capital Costs				
Project Capital Expenditure	\$ millions	1,442	1,144	1,837
Sustaining Capital	\$ millions	197	325	1,278
Closure Cost	\$ millions	71	N/A	367
Salvage Cost	\$ millions	25	N/A	171
Financials				
Average Annual Operating Cash Flow After-tax	\$ millions	n/a	411	279
Average Annual Free Cash Flow After-tax	\$ millions	224	357	199
NPV after-tax	\$ billions	1.06 (8%)	N/A	2.00 (7%)
IRR - after-tax	%	19	N/A	28.6
Payback	Years	3.9	N/A	1.9

Sustainability

Northisle has incorporated a focus on sustainability into its core strategy, emphasizing the monitoring, disclosure and improvement of ESG performance, recognizing it as equally important to the Company's success as operating metrics. As a result, Northisle has summarized updated preliminary sustainability metrics for the North Island Project in Table 7 below.

Table 7: Preliminary Sustainability Metrics

Sustainability Statistics	Units	LOM Total / Avg.
Direct job creation (permanent)	FTE	428
Site Energy Consumption		
Fuel (annual)	000s liters	35,470
Electricity (annual)	MWh	706,950
Energy Intensity	kWh / lb CuEq	4.55
Environmental		
Net water consumption	liters / lb CuEq	255
GHG Emissions – Scope 1	kg CO2e / lb CuEq	0.56
Total Material to MWSF	MT	1,176

The above sustainability metrics were determined on a preliminary basis by referencing publicly available benchmarks for emissions related to key project energy sources as well as physical quantities estimated in the 2025 PEA. The selected metrics will evolve as the project is developed, to incorporate additional measures of ESG performance.

Permitting and Environment

The Project will likely require authorization under the Canadian Impact Assessment Act (IAA) and the British Columbia Environmental Assessment Act (EAA). There is currently a legal mechanism for cooperation between provincial and federal processes which allows projects to adopt coordination, substitution or joint panel review. The environmental assessment processes typically take three to five years. It should however be noted that the Impact Assessment Cooperation Agreement Between Canada and British Columbia is up for renewal in 2025.

Free, prior and informed consent, in line with the United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP), is a foundation of the approach to environmental assessments (EA) in BC. Indigenous Nations play a critical role in scoping and reviewing projects that could impact their Rights or Indigenous Interests. The EAA requires consent from Indigenous groups that are identified as a "Participating Indigenous Nation", and in some cases they may also be identified as an additional regulator. Indigenous Nations also have the option to undertake Indigenous-led assessments as Participating Indigenous Nations under 19(4) of the EAA. This may affect the EA process and timeline for the Project. Additional federal and provincial authorizations will likely be required for the Project and could take three years to obtain but would be pursued in parallel with the EA.

Preliminary baseline field surveys conducted for the Project include fisheries, hydrology, climate, and wildlife. Additional desktop studies have included these disciplines and hydrogeology. Additional baseline studies are planned for 2025.

Stakeholder Engagement

The Project is located within the separately claimed traditional territories of the Quatsino First Nation (the “Quatsino”), the Tlatlasikwala First Nation (the “Tlatlasikwala”), and the Kwakiutl First Nation (the “Kwakiutl”). Each respective First Nation is the best source for detailed information about its traditional territory. The Company has initiated discussions and maintains an ongoing dialogue with the Quatsino, the Tlatlasikwala and the Kwakiutl, as well as other First Nations and communities in proximity to the Project. The Company has and continues to actively employ members of local First Nations and other communities, and First Nations and local individuals and businesses.

In addition to consulting regularly with each First Nation, the Company has entered into consent-based exploration agreements and successive renewals with Quatsino and Tlatlasikwala in respect of exploration programs conducted within their territory. These agreements provide for an open, honest, transparent and fair process through which the Company can conduct certain activities to determine the viability of developing mines, mills, or related facilities for the commercial production of minerals in a manner which recognizes the rights of the respective First Nations.

The Company intends to continue to engage proactively with all potentially impacted parties.

Opportunities

The 2025 PEA demonstrates the potential for further development of the North Island Project and indicates several additional opportunities for further study which may contribute to further enhanced value, including:

- **Optimization of the mineral process flowsheet:** Once additional metallurgical testing is completed, the following can be confirmed: Optimum grind size selection and comminution selection, optimum regrind size for each deposit and regrind technology selection, optimization of leaching and absorption retention time and optimum source of leaching and cyanide detoxification oxygen.
- **Additional step-out and in-fill drilling:** There is potential for additional resources at West Goodspeed, located less than a kilometer from Red Dog, as well as potential extension of all the known deposits within the North Island Project, thus increasing the mineralized material available for development, including testing for the causative intrusion source for the higher-grade mineralization at Northwest Expo. In-fill drilling of the three currently defined deposits could further increase the indicated resource material. A fully funded exploration program is being advanced for 2025.
- **Mining related test work:** The current PEA applies assumptions based on existing test work which effect the pit design, and refinement of these may increase the indicated resource material. These include improved geotechnical and hydrogeological test work, geochemical test work, as well as market studies to outline potential capital for project financing.
- **Reduce carbon emissions:** High-level calculations at the time of this release indicate that converting the proposed diesel mine fleet to an electric fleet has the potential to result in avoidance of compliance payments for carbon emission exceedances and may result in payment for project credits. This depends on the strength of the BC OBPS market and may justify the cost of electrifying the fleet.
- **Optimization of site infrastructure:** Optimizing the plant location to reduce tailings pumping equipment and cost, utilising regenerative conveyors to add power to the overall system and reduce power consumption.
- **Optimizing permitting schedule:** There are opportunities to optimize the overall permitting schedule by advancing permitting while the EA process is underway. Although major permits cannot be issued for projects prior to the receipt of an Environmental Assessment Certificate, the EA and permitting processes can advance in parallel.

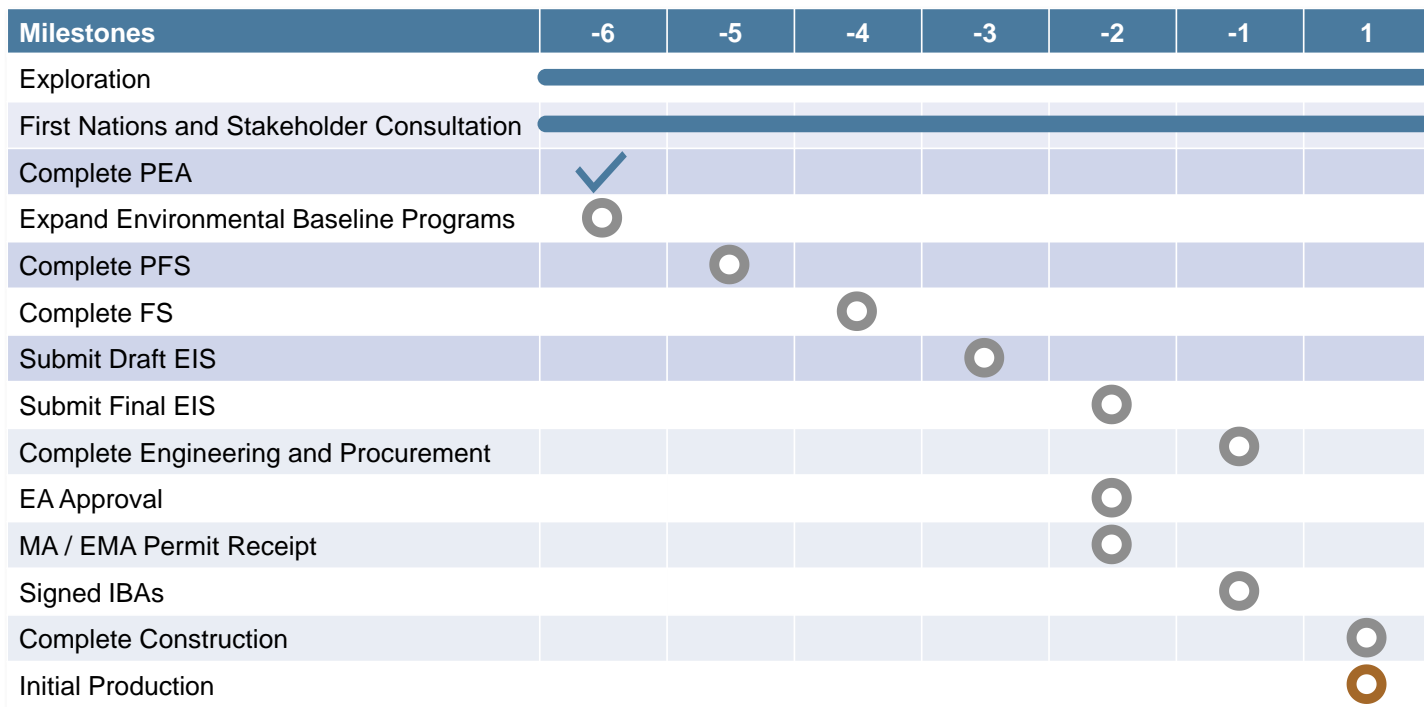
Next Steps

With the completion of the 2025 PEA, Northisle intends to continue to advance the North Island Project. Key next steps and milestones include:

- Northisle will continue to proactively engage with First Nations, local communities, government and key project stakeholders in support of the responsible development of the Project;
- Complete the drilling program including infill and step out drilling at Northwest Expo, infill drilling at Red Dog, and resource definition drilling and step out at West Goodspeed;
- Conduct plant site and MWSF site condemnation drilling;
- Initiate additional environmental baseline work;
- Conduct additional metallurgical test work to support the prefeasibility study;
- Conduct geotechnical investigations for open pit design, process plant mill foundation design, and MWSF dam design; and
- Commence a Prefeasibility Study.

A high-level project milestone schedule is provided in Figure 5.

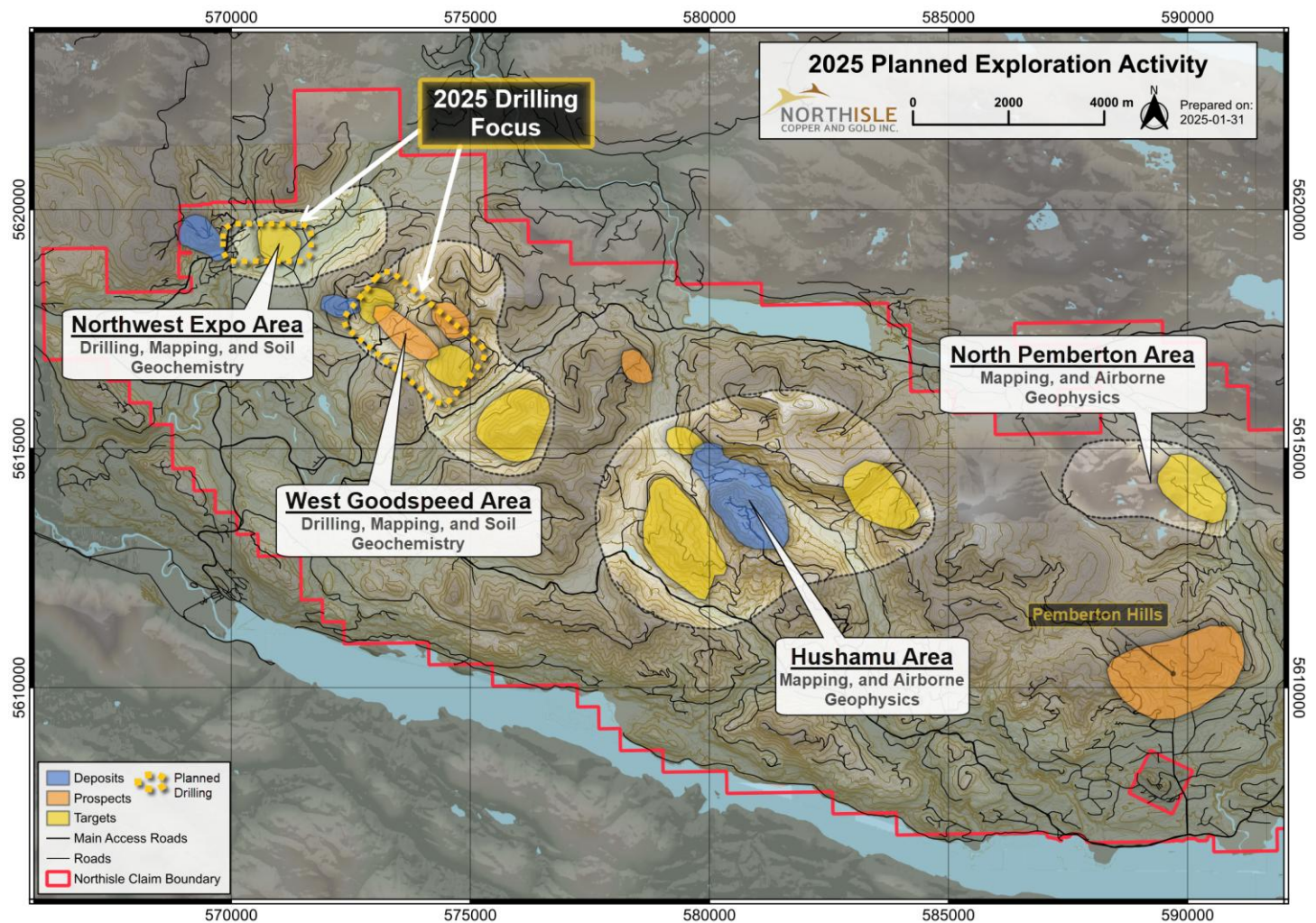
Figure 5: Project Milestones



2025 Exploration Overview

Northisle is currently in the final stages of planning its 2025 exploration program. The fully funded \$7 million program will be focused on enhanced understanding of higher-grade, higher-margin potential in the vicinity of Northwest Expo and West Goodspeed, an area which is now being identified as the “Northwest Corridor”. To date, the discoveries in this area have improved overall project resource grade and margin and have generally been near surface, presenting a compelling option for further improving the North Island Project. The 2025 focus areas are highlighted in Figure 6, and the Company expects to announce further details on the program once available.

Figure 6: 2025 Exploration Focus Areas



Webcast Details

The Company will host a conference call on February 19, 2025 at 11:00 AM Eastern time (8:00 AM Pacific time). Details to access the call live are as follows:

- Via telephone, by calling +1-844-763-8274 toll free in North America, and +1-647-484-8814 internationally
- Via webcast at: [Webcast](#)

The webcast will be archived for 6 months following the call at the above-noted link and on the Company's website.

2025 PEA Details

The 2025 PEA is a comprehensive re-envisioning of the North Island Project built around several primary project goals, including:

- Consider staged development to reduce initial capital costs while maintaining optionality for a larger, long-lived operation
- Reconsider metallurgical approach to account for higher gold grades in the Northwest Expo and Red Dog pits
- When evaluating trade-offs, select the option with the highest overall return that addresses the capital criteria
- Minimize life-cycle impacts, specifically on a per unit produced basis

Changes to the Project design were extensive, including:

- The 2024 Resource Estimate, including the addition of the high-grade Northwest Expo deposit, as previously announced by the Company on October 10, 2024.
- Two phase development, including a 40,000tpd or 14.6 million t/a Phase 1 flowsheet with flotation followed by a leach of cleaner and rougher tails, plus an 80,000tpd or 29.2 million t/a Phase 2 flotation followed by a leach of cleaner tails flowsheet. The second phase of the development essentially twins the first phase process plant without the rougher tailings leach unit operation. The rougher tailings leach circuit will be repurposed to accommodate the additional cleaner tailings, and rougher tailings will no longer be leached. This results in significant savings in spares and maintenance costs, minimizes start up duration, and maximizes operations efficiencies.
- Updated metallurgical test work which resulted in significantly improved gold recoveries in Phase 1 based on the addition of leaching, and more conservative Phase 2 copper recovery estimates based on extensive flotation testing on additional samples over a range of primary grind sizes.
- Redesigned mine waste storage incorporating further developed waste characterization which increases overall mine waste capacity and reduces haul distance for non-acid-generating (NAG) waste rock.
- Relocated plant site and material transport layout to accommodate updated resources, to incorporate the addition of Northwest Expo, and to avoid active exploration targets.
- For Phase 1, specialized transport containers known as rotainers were selected to securely transport copper concentrate to the seaport of Nanaimo. The rotainers can be directly discharged into bulk carriers with existing container cranes. This eliminates the construction of a new concentrate loadout port which avoided significant initial capital cost. For Phase 2, concentrate loadout facilities are contemplated to be constructed at the former Island Copper port which is currently undergoing reclamation. Additional port sites have been evaluated as part of a preliminary port study, should the Island Copper port site not be available.

The 2025 PEA was produced independently by Ausenco and includes the 2024 Resource Estimate and a mine plan prepared by Moose Mountain. With improved economic results relative to the 2021 PEA, the Company can further accelerate development of the North Island Project while continuing its successful, targeted exploration program which has measurably added value by targeting near-surface resource additions within proximity to anticipate mine infrastructure with grades above the average resource grade.

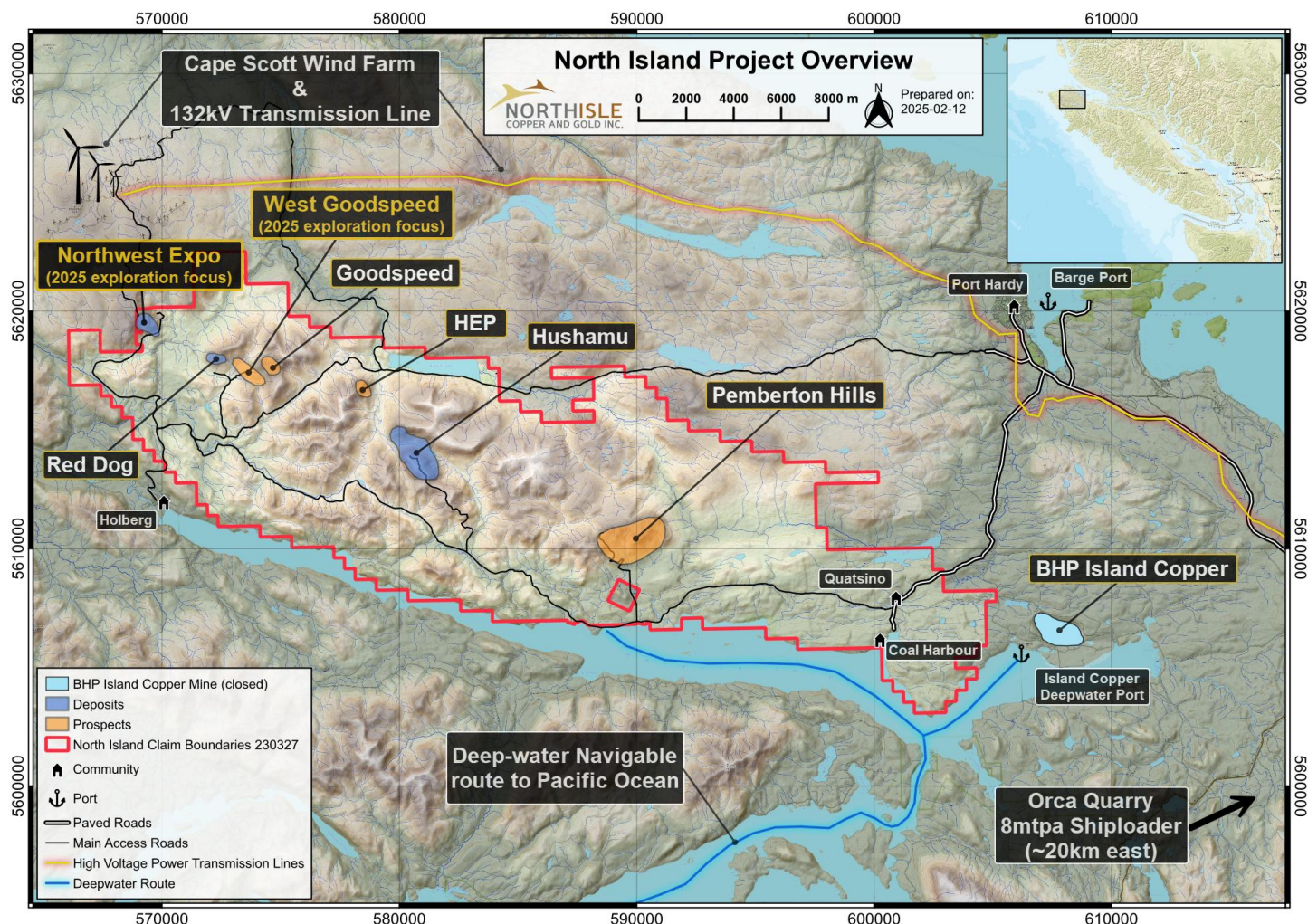
Project Description

Location

The Project is located near the town of Port Hardy which is the main distribution centre for the north end of Vancouver Island. It has an airport with regular flights to Vancouver, a hospital, schools, and a college.

The North Island Project covers a west-northwest-trending ~40 x 8 km area north of the Holberg Inlet, approximately 25 km west of Port Hardy, on northern Vancouver Island, B.C. (Figure 7). The Property can be reached from Port Hardy by travelling via paved roads and then well-maintained logging roads. The Hushamu Deposit is accessed from Port Hardy by a paved road to Coal Harbour and then well-maintained logging roads that include the Coal Harbour Main Road, the Wanokana Road, and the Hushamu Main Road, which extends to the mouth of the Hushamu Valley. The Red Dog Deposit and Northwest Expo Deposit is accessible from Port Hardy by Holberg Road to a point about 45 km from Port Hardy where forestry access road NE 62 leads northward to the property.

Figure 7: North Island Project Location (UTM NAD 83 Coordinate system)



Source: NorthIsle, 2024

Project Development Plan

The proposed North Island Project will comprise the construction, operation, and closure of a multiple open pit copper, gold, molybdenum and rhenium mine. The ore processing facilities will commence with a nominal milling rate of 40,000 t/d or 14.6 million t/a ("Phase 1"). The ore processing facilities will be expanded to achieve 80,000 t/d (29.2 million t/a) starting in the sixth year of operation ("Phase 2"). Recovery during Phase 1 will include a sequential flotation circuit to produce copper/gold concentrate, with rougher and cleaner tailings undergoing tank leaching to recover gold doré. In Phase 2, a second grinding and flotation line will be installed to increase processing capacity to 80 kt/d for processing the materials from the Hushamu deposit. The rougher tailings leach circuit will be repurposed to accommodate the additional cleaner tailings, and rougher tailings will no longer be leached. A molybdenum flotation circuit will be installed, allowing the plant to produce copper/gold concentrate and molybdenum concentrate containing rhenium.

The proposed mine plan involves conventional open pit mining and processing of 753 Mt of material, mining 561 Mt waste rock and 62 Mt overburden from three deposits. Phase 1 of the Project targets high-grade, near-surface resources from the Northwest Expo and Red Dog deposits for processing. Mining moves to the larger, lower grade, Hushamu deposit as the first two deposits are mined out and the Phase 2 mill expansion is implemented.

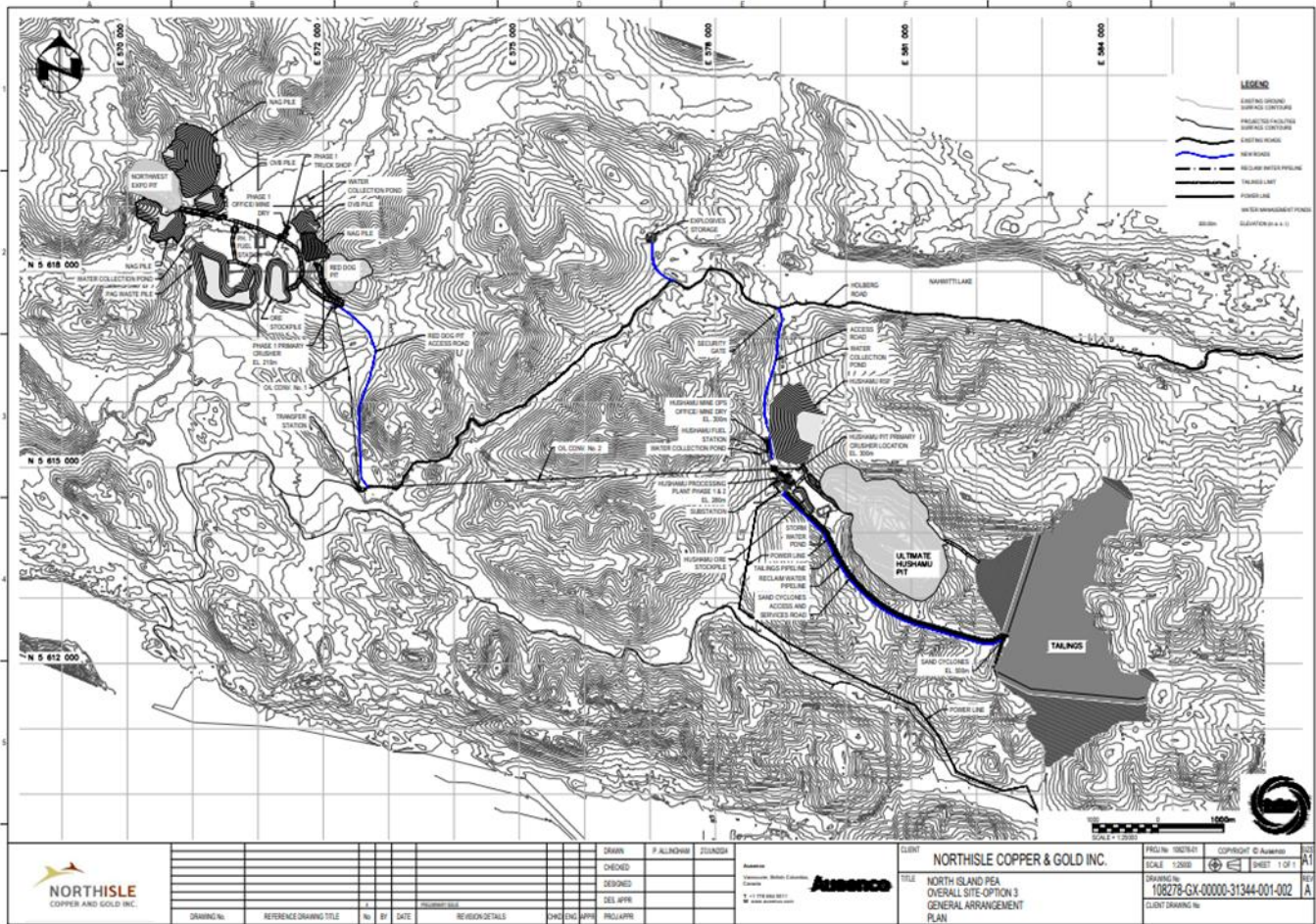
All Red Dog and Northwest waste materials will be placed near these deposits in waste rock storage facilities (WRSFs). Potentially acid generating material from these two deposits will be segregated and runoff captured. All potentially acid generating waste materials from Hushamu will be placed in the MWSF located east of the Hushamu open pit. Any waste materials from Hushamu that will not generate acid will be used to construct the MWSF embankments or stored northwest of the Hushamu pit. All tailings from all three open pits will be comingled with the acid generating waste rock from Hushamu in the MWSF. The MWSF has been designed to store 753 Mt of tailings and 423 Mt of potentially acid generating

waste rock. The starter facility contains a small western embankment (15m high) and a larger eastern embankment (70m high) to contain the first two years of tailings. The MWSF will consist of multiple expansions and will use cyclone tailings to construct centerline raises with low permeability cores constructed of till to contain tailings and Hushamu potentially acid generating waste rock over the LOM. The raises will have an ultimate height of approximately 290 m. MWSF will have diversion channels to safely pass the design event non-contact water around the facility. The facility has been designed to provincial and national standards for a tailings storage facility.

At closure, all buildings will be removed, disturbed lands will be rehabilitated, the MWSF will be covered with a closure cover, and the property will be returned to otherwise functional use according to future approved reclamation plans and accepted practices at the time of closure.

Offsite infrastructure includes a new site access road to the process plant, a new 138 kV transmission line to be connected to the BC Hydro grid, and the development of a new bulk concentrate loadout terminal at the former Island Copper port during Phase 2.

Figure 8: North Island Project General Arrangement



Mineral Resources

The Mineral Resource Estimate (MRE) was updated in 2024 for the North Island Project, with an effective date of September 23, 2024. Resources are estimated for the Northwest Expo, Red Dog and Hushamu deposits. Notably, recent drilling at the West Goodspeed target has not yet been incorporated in the Resource Estimate or 2025 PEA. The Mineral Resource Estimate has a Base Case cutoff grade of \$11.50 NSR to cover the preliminary estimate of processing and G&A costs. The combined MRE is summarized in Table 8.

Table 8: 2024 Resource Estimate

Class	NSR Cutoff (\$/tonne)	In Situ Tonnage and Grade						Cu Metal (Mlbs)	Au Metal (kOz)	Mo Metal (Mlbs)	Re Metal (klbs)	CuEq Metal (Mlbs)	NSR (\$CDN/tonne)
		Tonnage (ktonnes)	Cu (%)	Au (gpt)	Mo* (ppm)	Re* (ppm)	CuEq (%)						
Indicated	10	968,402	0.15	0.23	75	0.43	0.31	3,183	7,163	160	908	6,520	24.53
	11.5	905,922	0.16	0.24	75	0.42	0.32	3,107	6,939	149	847	6,330	25.48
	15	736,243	0.17	0.26	73	0.42	0.35	2,830	6,215	119	676	5,692	28.29
	20	508,221	0.20	0.31	71	0.40	0.41	2,279	5,018	79	445	4,579	33.18
	25	336,105	0.23	0.36	67	0.37	0.47	1,719	3,894	49	273	3,511	38.73
	30	221,789	0.26	0.42	63	0.34	0.54	1,259	2,985	31	166	2,652	44.59
	35	148,701	0.28	0.48	57	0.31	0.61	911	2,310	19	102	2,009	50.63
Inferred	10	233,749	0.12	0.21	53	0.31	0.27	602	1,581	27	161	1,381	21.59
	11.5	213,878	0.12	0.22	52	0.31	0.28	571	1,525	24	147	1,320	22.58
	15	156,463	0.13	0.26	52	0.31	0.32	455	1,310	18	109	1,104	25.96
	20	78,849	0.14	0.36	46	0.29	0.42	252	920	8	51	727	34.43
	25	41,109	0.14	0.51	25	0.16	0.54	128	675	2	14	493	45.72
	30	27,885	0.13	0.63	10	0.07	0.65	82	562	1	4	397	54.63
	35	21,542	0.13	0.72	2	0.01	0.73	63	496	0	0	345	61.16

*Mo and Re given value only at Hushamu

Notes to Table 7:

- Mineral resources are not mineral reserves and do not have demonstrated economic viability. There is no certainty that all or any part of the mineral resources will be converted into mineral reserves.
- Resources are reported using the 2014 CIM Definition Standards and were estimated using the 2019 CIM Best Practices Guidelines.
- The Mineral Resources have been confined by an open pit with "reasonable prospects of eventual economic extraction" using the 125% pit case and the following assumptions:
 - Metal prices of US\$1,910/oz Au, US\$4.00/lb Cu, US\$21/lb Mo, and US\$1,777/kg Re;
 - Forex of 1.32 \$CDN:\$US
 - Payable metal of 97% payable Au for Northwest Expo and Red Dog and 92% payable Au for Hushamu, Payable of 96.5% for Cu, and 98% payable Mo applicable to Hushamu only.
 - Refining Costs for Au of US\$5.00/oz, refining for Cu of US\$0.075/lb and for Mo of US\$1.30/lb
 - Smelting costs for Cu of US\$75.00/dmt
 - Transportation and insurance costs of CDN\$85/wmt proportionally distributed between Au, and Cu, and Mo;
 - Royalty of 1% NSR for Red Dog
 - Pit slopes are 48 degrees;
 - Mining cost of \$3.00/t for waste and mineralized material; and
 - Processing, general and administrative costs of \$11.50/t.
- Metallurgical recoveries for Au are: 91% for Au for Northwest Expo, 85% for Red Dog, 59% for Hushamu in the CMG and 54% outside the CMG
- Metallurgical recoveries for Cu are 73% for Northwest Expo within the CMG and 88% outside CMG, 89.7% at Red Dog and 77.8% at Hushamu within the CMG and 75.4% outside the CMG.
- Metallurgical recovery for Mo is 49% at Hushamu within the CMG and 45% outside the CMG
- Metallurgical recovery for Re is 39.3% within the CMG and 35.7% outside the CMG and not considered payable for the other deposits.
- The NSR is calculated as follows:
 - Hushamu chlorite-magnetite ("CMG"):
$$NSR(\$ / t) = (Cu(\%) * 77.8\% * \$4.72 * 2204.62) + (Au(gpt) * 59\% * \$70.35/g) + (Mo(\%) * 49\% * \$25.32 * 2204.62) + (Re(\%) * 39.3\% * \$530.29 * 2204.6)$$
 - Hushamu non-CMG (based on silica-clay-pyrite ("SCP") and applied to all other domains):
$$NSR(\$ / t) = (Cu(\%) * 75.4\% * \$4.70 * 2204.62) + (Au(gpt) * 54\% * \$70.01/g) + (Mo(\%) * 45\% * \$25.32 * 2204.62) + (Re(\%) * 35.7\% * \$530.29 * 2204.6)$$
 - Northwest Expo CMG: $NSR(\$ / t) = (Cu(\%) * 73\% * \$4.89 * 2204.62) + (Au(gpt) * 91\% * \$76.85/g)$
 - Northwest Expo non-CMG: $NSR(\$ / t) = (Cu(\%) * 88\% * \$4.91 * 2204.62) + (Au(gpt) * 91\% * \$77.06/g)$
 - Red Dog: $NSR(\$ / t) = (Cu(\%) * 89.7\% * \$4.72 * 2204.62) + (Au(gpt) * 85\% * \$74.08/g)$
- Copper Equivalents are calculated as follows:
 - Northwest Expo CMG: $Cu Eq. = Cu + Au * 0.888$; Non-CMG: $Cu Eq. = Cu + Au * 0.737$
 - Red Dog: $Cu Eq. = Cu + Au * 0.675$
 - Hushamu CMG: $Cu Eq. = Cu + Au * 0.512 + Mo * 0.00034 + Re * 0.00567$; Non-CMG: $Cu Eq. = Cu + Au * 0.484 + Mo * 0.00032 + Re * 0.00534$
- Gold Equivalent for Northwest Expo is calculated as follows: CMG: $Au Eq. = Au + 1.126 * Cu\%$; Non-CMG $Au Eq. = Au + 1.358 * Cu\%$
- The specific gravity for each deposit and domain ranges from 2.62-2.86 depending on alteration AND is assumed to be 1.5 in overburden.
- Numbers may not add due to rounding.

The QP is of the opinion that issues relating to all relevant technical and economic factors likely to influence the prospect of economic extraction can be resolved with further work. These factors may include environmental permitting, infrastructure, sociopolitical, marketing, or other relevant factors. Additional disclosures relating to the Resource Estimate can be found in the Company’s press release “[Northisle Announces North Island Project Indicated Resource Estimate Increased to 3.1 billion lbs Cu and 6.9 million ozs Au](#)” dated October 10, 2024 and the NI43-101 Technical Report titled “[NI 43-101 Resource Estimate for the North Island Project – 2024 Update](#)” with an effective date of September 23, 2024.

Mining

Open pit mine designs, mine production schedules and mine capital and operating costs have been developed for the Northwest Expo, Red Dog, and Hushamu deposits at a scoping level of engineering. The mineral resources, including inferred class resources, form the basis of the mine planning.

The open pit activities are designed for approximately thirty years of operation. Mine planning is based on large scale conventional drill/blast/load/haul open pit mining methods suited for the Project location and local site requirements. The subset of mineral resources contained within the designed open pits are summarized in Table 9, with a \$14/t NSR cut-off grade, and form the basis of the mine plan and production schedule, which is summarized in Figure 9. Estimated mine operating costs are summarized in Table 10.

Table 9: PEA Mine Plan Production Summary

Mine Plan Pit Contents	Total	NWE	RD	Hushamu
PEA Mill Feed	753 Mt	46 Mt	55 Mt	652 Mt
Mill Feed Net Smelter Return (NSR) Grade	\$28/t	\$58/t	\$39/t	\$25/t
Copper Grade, Cu	0.17%	0.11%	0.21%	0.17%
Gold Grade, Au	0.27 g/t	0.69 g/t	0.30 g/t	0.23 g/t
Molybdenum Grade, Mo	78 ppm	-	-	90 ppm
Rhenium Grade, Re	0.45 ppm	-	-	0.52 ppm
Waste Overburden and Rock	624 Mt	97 Mt	11 Mt	516 Mt
Waste : Processed Material Ratio	0.8	2.1	0.2	0.8

Figure 9: PEA Mine Production Schedule Summary

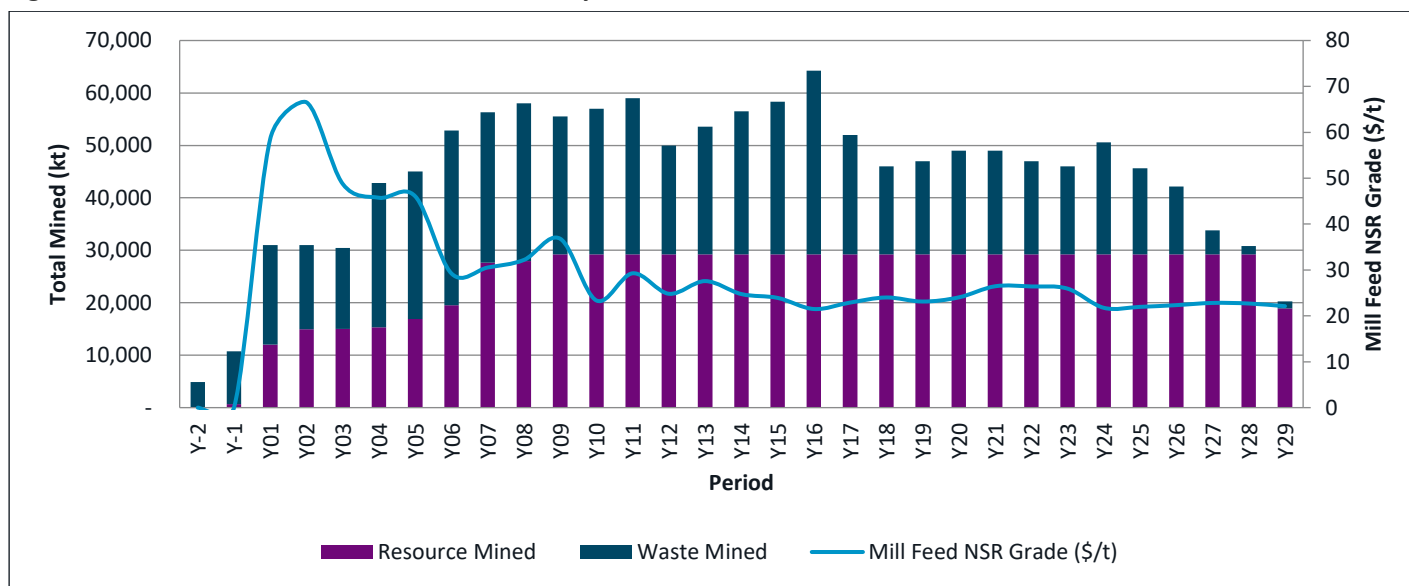


Table 10: Estimated PEA Mine Operating Costs

Area	Unit Cost (\$/t mined)	Y1 to Y5 (\$/t mined)	Y6 to Y29 (\$/t mined)
Drilling	0.33	0.35	0.33
Blasting	0.45	0.47	0.44
Loading	0.34	0.30	0.34
Hauling	1.19	1.02	1.22
Support	0.45	0.48	0.45
Site Development	0.03	0.07	0.02
Mine General	0.33	0.44	0.32
Total Mine Operating Unit Cost	3.12	3.14	3.12

Processing

The 2025 PEA contemplates a concentrator and related facilities processing mineralized material at a nominal rate of 40,000 t/d in Phase 1 and 80,000 t/d in Phase 2. The staged expansion approach has been selected due to the differing mineralization and grades present in the three primary deposits of NW Expo, Red Dog and Hushamu and in order to reduce initial capital costs and enhance overall returns. Phase 1 consists of 40 kt/d of mineralized material from NW Expo and Red Dog to be processed via flotation and leaching of both rougher and cleaner tailings to produce copper/gold concentrate and gold doré. In Phase 2, a second grinding and flotation line will be installed to increase processing capacity to 80 kt/d for processing the materials from the Hushamu deposit. The rougher tailings leach circuit will be repurposed to accommodate the additional cleaner tailings, and rougher tailings will no longer be leached. A molybdenum flotation circuit will be installed, allowing the plant to produce copper/gold concentrate and molybdenum concentrate containing rhenium.

Processing costs of the two phases are summarized in Table 11.

Table 11: Processing Costs

Area	Y1 to Y5 (\$/t milled)	Y6 to Y29 (\$/t milled)
Power	1.87	1.61
Reagents	6.13	1.05
Consumables	1.75	2.01
Maintenance	0.40	0.32
Labour	1.00	0.77
Mobile Equipment	0.11	0.10
Lab Services	0.05	0.05
Total Processing Cost	11.32	5.93

Metallurgy

The process flowsheet has been designed based on historical test work completed on the Hushamu and Red Dog deposits and more recent test work conducted in 2022-2023 on samples representing the Northwest Expo deposit and additional areas of the Hushamu deposit.

Ausenco reviewed and interpreted several metallurgical test programs conducted under the direction of NorthIsle since 2009. The test programs utilized half drill core samples and were conducted at three metallurgical testing laboratories: ALS Metallurgy (Kamloops, BC), Base Metallurgical (Kamloops, BC) and SGS (Lakefield, ON). The bulk of the testing was conducted on composites of silica-clay-pyrite (SCP) and chlorite-magnetite (CMG) lithologies. Variability samples were tested to obtain increased comminution data on the Hushamu deposit as well as comminution and metallurgical performance across the NW Expo deposit. The test programs included mineralogical assessments, open circuit and locked cycle froth flotation testing, and cyanide leaching of flotation tailing streams.

Mineralogical assessments indicate that copper is primarily present in chalcopyrite, with minor levels of chalcocite/covellite. Sulphur content is mainly associated with pyrite. Gold is relatively fine grained and its association ranges between chalcopyrite, pyrite and non-sulphide gangue minerals.

Conventional processing techniques were evaluated which include grinding, froth flotation, and leaching process streams with cyanide solutions. The results suggest that the materials are amenable to processing by these conventional techniques and can produce copper concentrates that would be considered marketable. Results also indicate that between 32-65% of the gold in the feeds is recoverable to a copper flotation concentrate and the addition of cyanide leaching on the resulting flotation tails streams can provide an additional 15-32% gold recovery. The additional gold recovery would report to doré. Hushamu test results from the recent metallurgical test program (BL1141) and two earlier metallurgical programs (Base Met BL0059, ALS Metallurgy KM3409) indicated that the Hushamu bulk copper concentrate contained sufficient levels of molybdenum to be processed through a Cu-Mo separation circuit and recover a molybdenum concentrate. Molybdenum recovery to bulk Cu-Mo concentrates range from 50-55% with an estimated 90% recovery across a Cu-Mo separation circuit, as separation testing has not been tested. Red Dog and Northwest Expo materials have generally lower molybdenum contents and would not likely justify the operation of a Cu-Mo separation circuit.

Ausenco incorporated the results into the process plan, design criteria, flowsheet development and process equipment selection. Design mineral grades to the process plant are estimated at 0.24% copper, 0.30 g/t gold and 0.008% molybdenum with overall estimated recoveries of approximately 80% for copper, 62.3% for gold (concentrate and doré) and 51.4% for molybdenum.

Infrastructure

Project infrastructure for the North Island Project includes on-site infrastructure such as earthworks development, mine waste storage facility, site facilities and buildings, on-site roads, water management systems and site electrical power facilities. Off-site includes site access roads, fresh water supply, power supply, piping and port loadout facility.

The overall site layout was developed using the following criteria and factors:

- The facilities described above must be located on the North Island property to the greatest extent possible,
- The location of the waste rock storage facilities must be as close as possible to the open pit to reduce haulage distance,
- Locating the process plant at a central location to minimize conveyor movements,
- Balancing earthwork cuts and fills across process plant and pads,
- The location of the primary mineralized material and PAG waste crushing must be close to the North Island deposits to reduce haul distance,
- Arranging administration, offices and mine dry nearby one another to minimize waling distances (key during cold weather),
- Utilizing existing topography to minimize haulage uphill, and
- Minimizing footprint and environmental impacts to the extent practicable.

Operating Cost Summary

A preliminary operating cost estimate was prepared for the North Island Project for the two phases. Total site operating costs are summarized in Table 12.

Table 12: Total Site Operating Costs

Cost Area	Life-of-Mine Cost (\$M)	LOM Unit Cost (\$/t milled)	Phase 1 Cost (\$M)	Phase 1 Unit Cost (\$/t milled)	Phase 2 Cost (\$M)	Phase 2 Unit Cost (\$/t milled)
Mining	4,249	5.64	569	8.03	3,680	5.40
Process	7,047	9.36	746	10.39	6,312	9.25
G&A	514	0.68	89	1.25	426	0.62
Total	11,810	15.69	1,393	19.67	10,417	15.27

Capital Cost Summary

The capital cost estimate conforms to Class 5 guidelines of the Association for Advancement of Cost Engineering International for a PEA level study with an estimated accuracy of +50%/-30%. The capital costs are based on phased open pit mining operation, development of processing plant, onsite and offsite infrastructure, and tailings storage facilities plus the owner's expenses and provisions.

The mine plan and associated mine initial and sustaining capital estimates have been prepared by Moose Mountain. Mine capital costs include provisions for site development and pre-stripping of the Northwest Expo and Red Dog deposits, open pit mine operations infrastructure, and the mine mobile fleet. The initial mine equipment mobile fleet is planned to be purchased either through financing or lease agreements with the vendors. Down payments and monthly lease payments are capitalized through the initial and sustaining periods of the Project. All expansion and replacement fleet purchases made after year 2 of the Project are planned as direct capital (non-lease) purchases.

The capital costs estimate was developed in Q3 2024 Canadian dollars based on Ausenco's in-house database of projects and studies as well as experience from similar operations. The total costs of the initial and expansion phases and the sustaining capital costs are presented in Table 13 below.

Table 13: Capital Cost Summary

WBS	WBS Description	Initial Capital Cost - Phase 1 (\$M)	Expansion Capital Cost - Phase 2 (\$M)	LOM Sustaining Capital Cost (\$M)	Total Capital Cost (\$M)
1000	Mining	144.3	0	698.0	842.3
2000	Process Plant	449.8	359.3	0	809.1
3000	Tailing Facilities	53.5	0	579.8	633.3
4000	On Site Infrastructure	92.7	46.0	0	138.7
5000	Off Site Infrastructure	73.0	62.4	0	135.4
	Total Direct Costs	813.3	467.7	1,277.8	2,558.8
6000	Indirects	40.2	28.2	0	68.4
7000	EPCM Services	93.7	65.1	0	158.8
	Total Indirect Costs	133.9	93.3	0	227.2
8000	Total Owner's Costs	16.3	9.4	0	25.7
9000	Total Provisions	180.2	123.4	0	303.6
	Total Project Costs	1,143.6	693.8	1,277.8	3,115.2

Economic Analysis

Economic evaluations were generated incorporating forecasts for economic inputs using the Base Case and Spot Price. The Spot Price case is based on prices as of February 11, 2025. See Table 14 for the results of the economic analysis.

Table 14: Base Case Economic Analysis

	Item	Units	Phase 1	Phase 2	Total/Average
	Case		Base		
General	Copper Price	US\$/lb	4.20	4.20	4.20
	Gold Price	US\$/oz	2,150	2,150	2,150
	Molybdenum Price	US\$/lb	21.00	21.00	21.00
	FX rate	CAD: USD	0.74	0.74	0.74
Production	Mine Life	yrs	5	23.7	28.7
	Total Resource Mined	kt	74,134	678,030	752,164
	LOM CuEq Grade	%	0.56%	0.39%	0.41%
	Total Waste Mined	kt	106,140	502,492	608,632

	Item	Units	Phase 1	Phase 2	Total/Average
	Case		Base		
	Strip Ratio	w:o	1.43:1	0.74:1	0.81:1
	Average Annual Mined Resource	ktpa	14,827	28,582	26,187
	Total Payable Copper	MIbs	240	1,928	2,168
	Total Payable CuEq	MIbs	753	3,755	4,509
	Average Annual Payable Copper	MIbs/yr	48	81	75
	Average Annual Payable CuEq	MIbs/yr	151	158	157
Revenue/Costs	Total Revenue	\$M	4,276.0	21,642.9	25,918.9
	Average Annual Revenue	\$M/yr	855.2	912.3	902.4
	EBITDA	\$M	2,735.7	10,165.1	12,900.8
	Average Annual EBITDA	\$M/yr	547.1	428.5	449.2
	Total On Site Operating Costs (Mining, Process, G&A)	\$M	1,393.0	10,417.5	11,810.4
	Average Annual on Site Operating Cost	\$M/yr	278.6	439.1	411.2
	Mining Unit Cost	\$/t mined	3.16	3.12	3.12
	Mining Unit Cost	\$/t milled	8.03	5.40	5.64
	Process Unit Cost	\$/t milled	10.39	9.25	9.36
	G&A Unit Cost	\$/t milled	1.25	0.62	0.68
	Total Off Site Operating Costs (Transport, Treatment & Refining)	\$M	122.4	488.7	611.1
Cash Costs	C1 Cost*	US\$/lb CuEq	1.49	2.15	2.04
	C3 Cost**	US\$/lb CuEq	NA	NA	2.52
	AISC	US\$/lb CuEq	1.83	2.52	2.41
Capital Costs	Initial Capex (Total)	\$M	NA	NA	1,143.6
	Initial Capex - Mining	\$M	NA	NA	144.3
	Initial Capex - Other	\$M	NA	NA	999.4
	Expansion Capex (excl.mining)	\$M	277.3	415.9	693.2
	Sustaining Capex	\$M	324.8	953.0	1,277.8
	Sustaining Capex - Mining	\$M	268.4	429.6	698.0
	Sustaining Capex - Tailings	\$M	56.4	523.4	579.8
	Closure Cost (20% of Initial + Expansion Capex)	\$M	-	367.4	367.4
	Salvage Value (15% of Initial Capex Process Directs, Expansion Capex)	\$M	-	(171.4)	(171.4)
	Initial CAPEX/total mill throughput	\$/t milled	NA	NA	1.5
	Sus CAPEX/total mill throughput	\$/t milled	NA	NA	1.7
	Initial Capex / avg annual Cu Eq.	\$/t CuEq	NA	NA	16,216
Sus CAPEX / avg annual Cu Eq.	\$/t CuEq	18,696	18,003	18,119	
Pre-Tax Economics	NPV (7%)	\$M	NA	NA	3,419.20
	IRR	%	NA	NA	35.4%
	Payback	yr	NA	NA	1.8
	NPV/Initial Capital	-	NA	NA	3.0
Post-Tax Economics	NPV (7%)	\$M	NA	NA	1,996.4
	IRR	%	NA	NA	28.6%
	Payback	yr	NA	NA	1.9
	NPV/Initial Capital	-	NA	NA	1.7

* C1 costs consist of mining costs, processing costs, mine-level G&A and offsite charges

** C3 includes cash costs plus royalties, sustaining capital, expansion capital, and closure costs

*** AISC includes cash costs plus royalties, sustaining capital, and closure costs

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The 2025 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. Mineral resources that are not mineral reserves do not have demonstrated economic viability.

All-in Sustaining Costs

The 2025 PEA outlines robust economics for the North Island Project during both phases with Phase 1 annual production of 200,000 ounces of gold and 48 million pounds of copper at an AISC of US\$1.83/lb CuEq in Phase 1, growing to annual production of 81 million pounds of copper, 123,000 ounces of gold, 3 million lbs molybdenum and 5 tonnes of rhenium at an AISC of US\$2.52/lb CuEq in Phase 2. The higher AISC in Phase 2 is mainly attributed to higher sustaining costs resulting from tailings storage development for lower grade ore and increased reagent usage for the gold leach in phase 2. Over the LOM, the 2025 PEA estimates an AISC of US\$2.41/lb CuEq on payable production of 2,168 million pounds of copper, 3.9 million ounces of gold, 66 million lbs molybdenum and 124 tonnes of rhenium, which places the Project competitively on the global cost curve for primary copper projects (source: S&P Global Market Intelligence).

Selling Costs, Royalties and Taxes

Table 15: Selling Costs

Payability	Units	Value
Cu in conc	%	96.50%
Mo in conc	%	99.00%
Au in conc	%	97.50%
Au in dore	%	99.95%
Re in conc	%	80.00%
Offsite Charges		
Transport		
Cu Concentrate (Phase 1)	\$/wmt	120
Mo Concentrate (Phase 1)	\$/wmt	120
Cu Concentrate (Phase 2)	\$/wmt	29
Mo Concentrate (Phase 2)	\$/wmt	120
Treatment		
Cu Concentrate	\$/dmt	70
Mo Concentrate	\$/dmt	130
Refining		
Cu in conc	\$/lb	0.07
Mo in conc	\$/lb	1.25
Au in conc	\$/oz	6.4
Au in dore	\$/oz	6.6

Royalties

The 2025 PEA economics considers a private NSR royalty on the Red Dog deposit at 1% (with 2% repurchased for \$2 million), and a private 10% net profit interest (NPI) royalty on portions of the Hushamu deposit.

Taxes

Key provincial and federal tax considerations for North Island include:

- British Columbia mining tax – 2% provincial minimum tax payable on operating profits immediately upon the start of production which is creditable against the 13% effective mining tax rate which is calculated based on operating profit less applicable capital cost deductions. The mining tax is deductible in computing provincial and federal income tax
- British Columbia provincial income tax – 12.0%, payable after applicable deductions are used
- Canadian federal income tax – 15.0%, payable after applicable deductions are used

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- BC Output Based Pricing System for carbon taxes

Qualified Persons and Data Verification

Ian Chang, P.Eng., Vice President Project Development of Northisle, and a Qualified Person as defined by National Instrument 43-101, has reviewed and approved the scientific and technical disclosure contained in this news release.

Additionally, a team of independent Qualified Persons (as such term is defined under NI 43-101) at Ausenco, and Moose Mountain Technical Service, and SLR are responsible for the 2025 PEA and have reviewed the scientific and technical disclosure, and verified the data in this press release, including:

- Peter Mehrfert, P.Eng., of Ausenco is an independent Qualified Person responsible for process and recovery methods, infrastructure, market studies, contracts and economic analysis in the PEA.
- Ali Hooshari, P.Eng., of Ausenco is an independent Qualified Person responsible for mine waste storage facilities in the PEA.
- Marc Schulte P.Eng., of MMTS is an independent Qualified Person responsible for the open pit design, mine production schedule, waste rock storage facility and mine capital and operating cost estimates in the PEA.
- Sue Bird, P.Eng., of MMTS is an independent Qualified Person responsible for development of the Resource Estimate and completed the work related to the geological setting, deposit type, drilling, exploration work, sample preparation and analysis in the PEA.
- Stephan Theban, P.Eng., of SLR is an independent Qualified Person responsible for the environmental and permitting studies.

About Northisle

Northisle Copper and Gold Inc. is a Vancouver-based company whose mission is to become Canada's leading sustainable mineral resource company for the future. Northisle, through its 100% owned subsidiary North Island Mining Corp., owns the North Island Project, which is one of the most promising copper and gold porphyry projects in Canada. The North Island Project is located near Port Hardy, British Columbia on a more than 34,000-hectare block of mineral titles 100% owned by Northisle stretching 50 kilometers northwest from the now closed Island Copper Mine operated by BHP Billiton. Since 2021, the Company has discovered two significant deposits, expanded resources, demonstrated the economic potential of the project, and is now focused on accelerating the advancement of this compelling project while exploring within this highly prospective land package.

For more information on Northisle please visit the Company's website at www.northisle.ca.

About Ausenco

Ausenco is a global company redefining what's possible. The team is based across 26 offices in 15 countries delivering services worldwide. Combining deep technical expertise with a 30-year track record, Ausenco delivers innovative, value-add consulting studies, project delivery, asset operations and maintenance solutions to the minerals and metals and industrial sectors (www.ausenco.com).

On behalf of Northisle Copper and Gold Inc.

Nicholas Van Dyk, CFA

Chief Financial Officer

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Cautionary Statements regarding Forward-Looking Information

Certain information in this news release constitutes forward-looking statements under applicable securities law. Any statements that are contained in this news release that are not statements of historical fact may be deemed to be forward-

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looking statements. Forward-looking statements are often identified by terms such as “may”, “should”, “anticipate”, “expect”, “intend” and similar expressions. Forward-looking statements in this news release include, but are not limited to, statements relating to the 2024 Resource Estimate; plans and expectations regarding the 2025 exploration program; plans and expectations regarding future project development; growth potential and future financial or operating performance; timing of key catalysts; planned activities, including further drilling, at the North Island Project; anticipated mine life and exploration potential and activities at the North Island Project; timing and movement, if any, from Phase 1 into Phase 2; Northisle’s ability to secure the permits and authorizations needed to construct and operate the North Island Project in a timely manner, if at all; plans and timing surrounding current and future baseline studies; ongoing support of the key stakeholders, including Quatsino, the Tlatlasikwala and the Kwakiutl; and the Company’s plans for advancement of the North Island Project. Forward-looking statements necessarily involve known and unknown risks, including, without limitation, Northisle’s ability to implement its business strategies; risks associated with mineral exploration and production; risks associated with general economic conditions; adverse industry events; stakeholder engagement; marketing and transportation costs; loss of markets; volatility of commodity prices; inability to access sufficient capital from internal and external sources, and/or inability to access sufficient capital on favourable terms; industry and government regulation; changes in legislation, income tax and regulatory matters; competition; currency and interest rate fluctuations; and other risks. Readers are cautioned that the foregoing list is not exhaustive.

Readers are further cautioned not to place undue reliance on forward-looking statements as there can be no assurance that the plans, intentions, or expectations upon which they are placed will occur. Such information, although considered reasonable by management at the time of preparation, may prove to be incorrect and actual results may differ materially from those anticipated. Forward-looking statements contained in this news release are expressly qualified by this cautionary statement.

The forward-looking statements contained in this news release represent the expectations of management of Northisle as of the date of this news release, and, accordingly, are subject to change after such date. Northisle does not undertake any obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except as expressly required by applicable securities law.

Neither the TSX Venture Exchange nor its Regulation Services Provider (as that term is defined in the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this news release.

ⁱ S&P Capital IQ Pro (2025). 2024 Modeled Cost + Production - Copper. Total Cash Cost includes onsite operating costs (including labour, energy, reagents), TCRC + shipping costs and royalties.

ⁱⁱ Source: S&P Capital IQ Pro (2025). Mine Emission. Commodity: Copper. Retrieved from S&P Global Market Intelligence platform.