

GOODMAN GOLD CHALLENGE DÉFI D'OR GOODMAN

# CRITICAL MINERALS EDITION

Presented to: The Investment Team of Dundee Corp.

Presented by: William Ezeana, Nathan Dyck, Bryce Kristjansson, Benjamin Swistun



We acknowledge that we are recommending an investment on Treaty 9 territory, the traditional lands of the Mattagami First Nation, Flying Post First Nation, and Matachewan First Nation, home to many Ojibway, Cree, Oji-Cree, Algonquin and Métis people.

We respect the treaties that were made on these territories, acknowledge the harms and mistakes of the past and dedicate ourselves to move forward in partnership with a spirit of reconciliation and collaboration.



Investment Thesis Valuation

# **Forward Looking Statement**

Introduction



This presentation contains forward-looking information and forward-looking statements (collectively, "forward-looking statements") within the meaning of applicable Canadian securities legislation. All statements, other than statements of historical fact, are forward-looking statements and are based on expectations, estimates and projections as of the date hereof. All forward-looking statements involve various risks assumptions, estimates and uncertainties that are based on current expectations and actual results may differ materially from those contained in such information. These risks, assumptions, estimates and uncertainties could adversely affect the outcome and financial effects of the plans and events described here in. These risks and uncertainties include, but are not limited to, risks relating to: the ability of the Company to complete the permitting of the Crawford Project, the fluctuations in metal prices, the ability of the Company to complete further exploration activities, including drilling, conditions in financial markets and the economy generally; the speculative nature of mineral exploration and development; the impact of foreign conflicts, as well as those risk factors discussed or referred to in the Company's continuous disclosure filings with the securities regulatory authorities in Canada available at www.sedar.com.



Sustainability & Stakeholder Relations

Investment Thesis Valuation

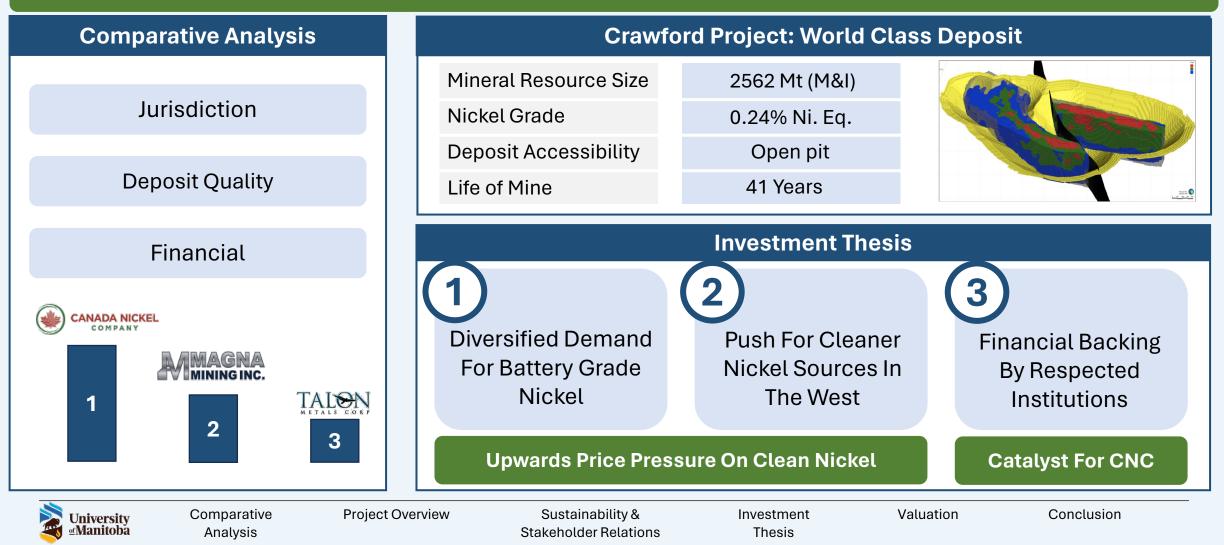
# **Dundee Corporation To Take Long-Term Position in Canada Nickel**

Executive Summary



Call to action: Evaluate and select the best investment option out for 3 Jr. nickel companies for Dundee Corp.

Recommendation: UM Advisory initiates a BUY rating on Canada Nickel with a target price of C\$3.95



# **Strong Investment Team With Balanced Experience**

Introduction





## Geological Expertise

Nathan Dyck B.Sc Geology (24')

• Critical metals exploration for 1911 Gold and Tanco.





 Regional Geology, Manitoba Geological Survey



# Financial Expertise

**Bryce Kristjansson** B.Com (Hons) Finance (24')

 Previous internship experience with CIBC Capital Markets and KPMG Corporate Finance

CIBC 🛇

#### Benjamin Swistun B.Com Finance (26')

Commodities and supply

 Commodities and supply chain intern at Richardson International

#### **RICHARDSON**

University Manitoba

Comparative Analysis Project Overview

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# **Dundee Corporation's Current Holdings Favour Long-Term Growth**

Introduction



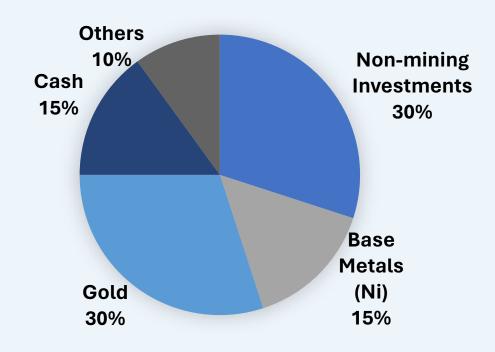
## **Risk Profile**



Mr. JONATHAN GOODMAN Chairman & CEO

- Client's risk tolerance shows comfortability with medium risk investments.
- Average market cap of active mining securities is \$74.9 million.

## Dundee Corporation Portfolio



Significant holdings in gold & base metals companies

## Mr. Goodman's current holdings suggest favouring long-term growth mining companies



Comparative Project Overview Analysis Sustainability & Stakeholder Relations

Investment Thesis Valuation

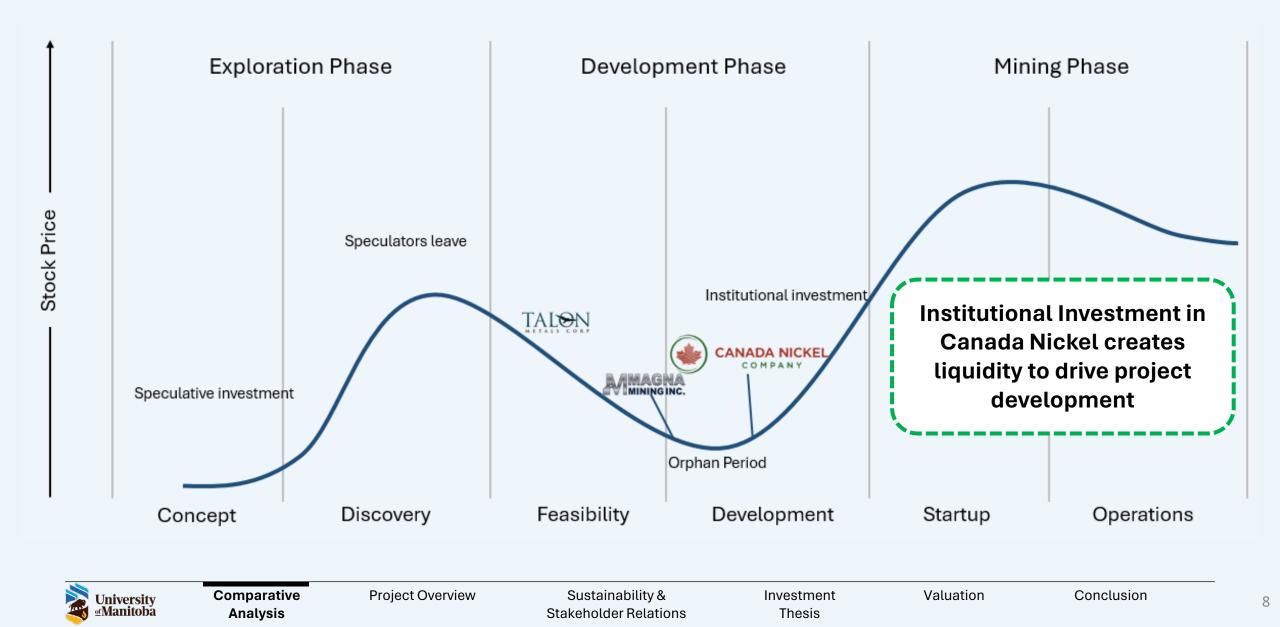


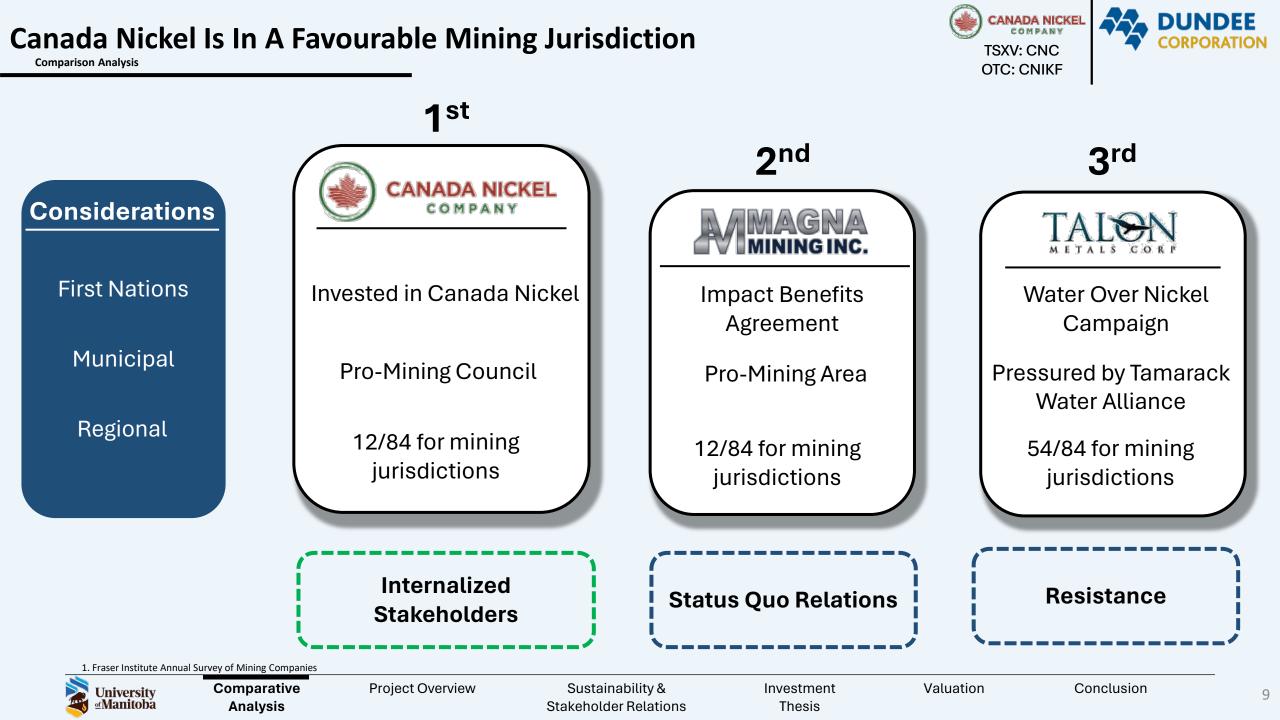
# **Comparative Analysis**

# **Canada Nickel Is Leading The Competition in Institutional Investors**

Comparison Analysis







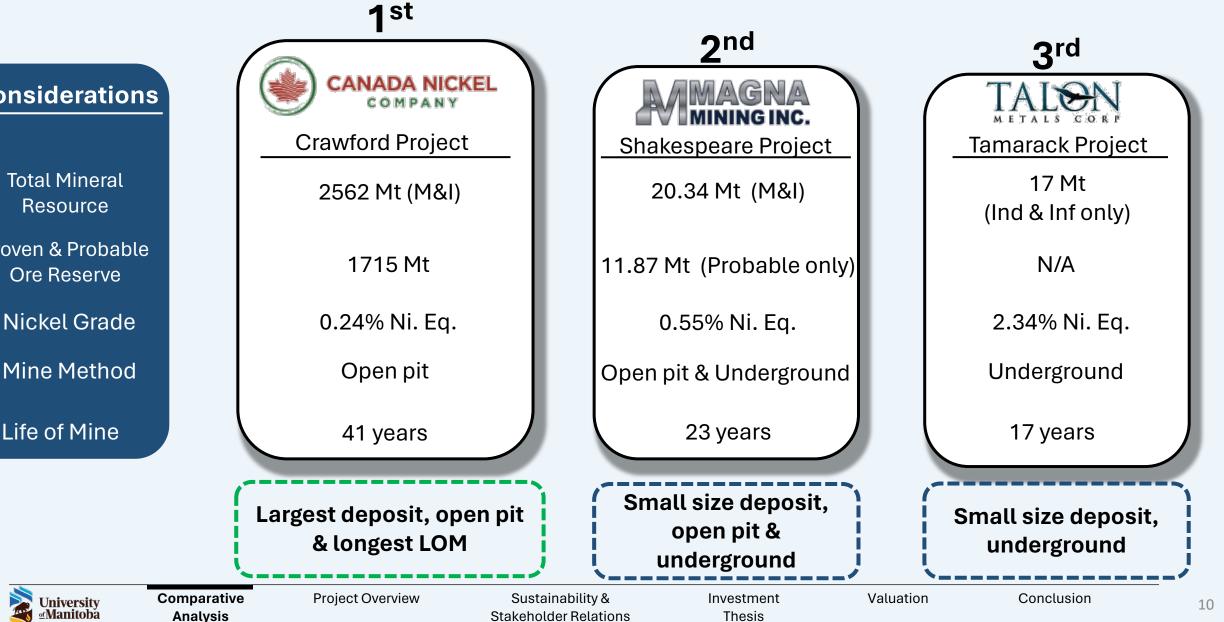


**Comparison Analysis** 



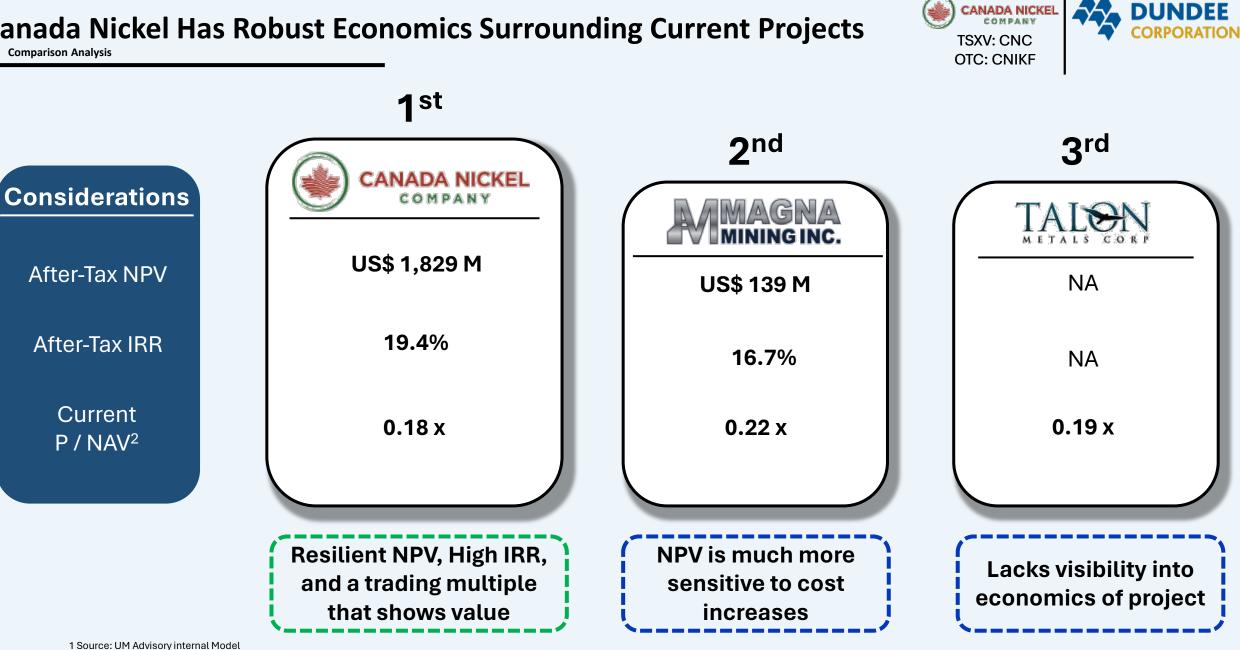
Considerations Total Mineral Resource Proven & Probable **Ore Reserve** Nickel Grade

Life of Mine



# **Canada Nickel Has Robust Economics Surrounding Current Projects**

**Comparison Analysis** 



2 Share price updated as of January 29th, 2024. NAV taken from Equity research with the exception of Canada Nickel which is taken from UM Advisory's internal model.

Universitv **≝Manitoba** 

Comparative **Project Overview** Analysis

Sustainability & Stakeholder Relations Investment Thesis

Valuation

# **Canada Nickel Has The Strongest Position**

**Comparison Analysis** 







Introduction

Comparison Analysis Project Overview Investment Thesis Valuation

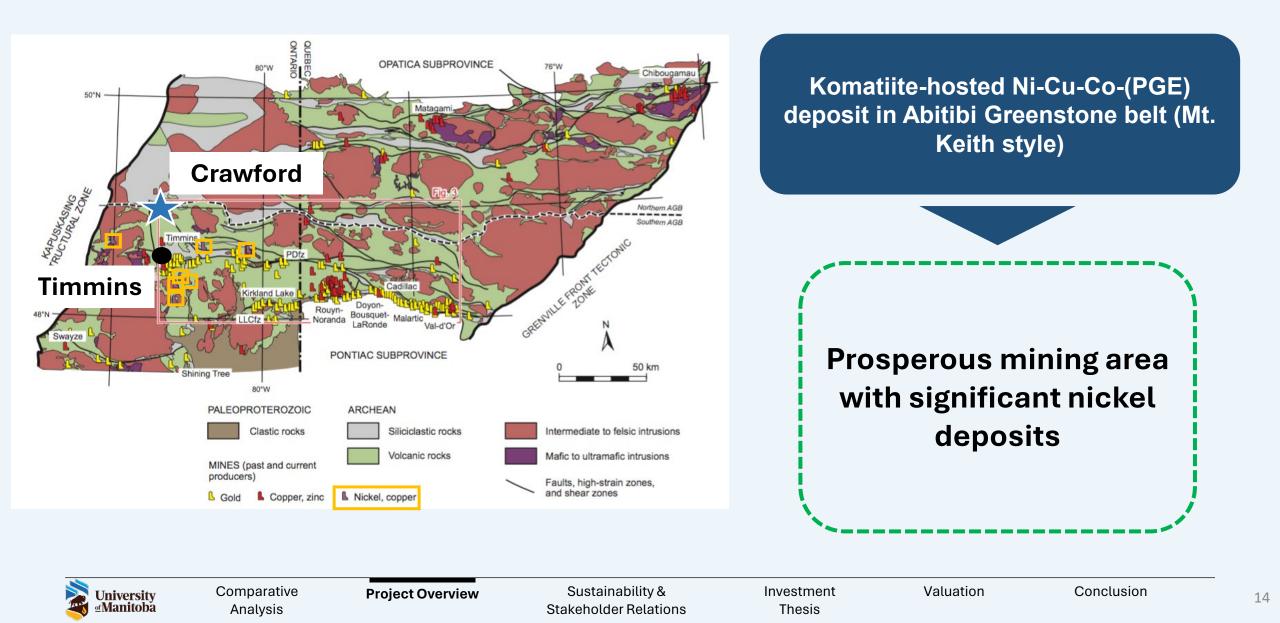


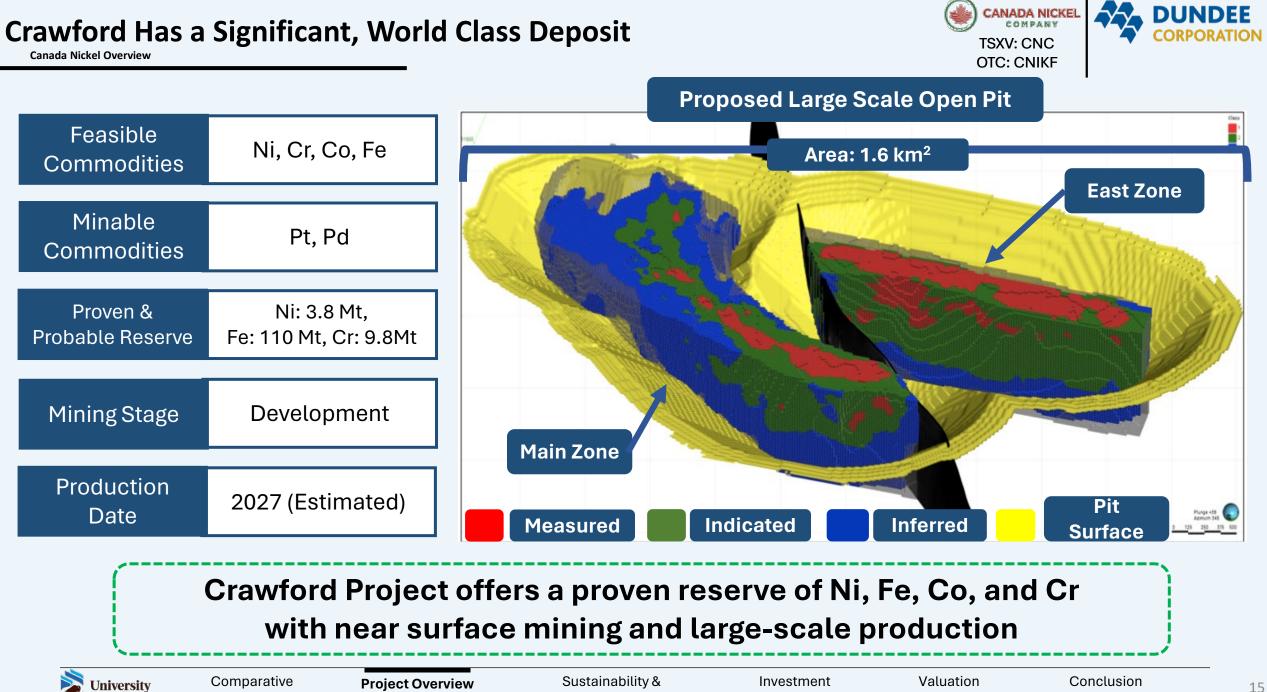
# **Project Overview**

# Flagship Crawford Project Located in Mineral Rich Greenstone Belt

Canada Nickel Overview







Sustainability & Stakeholder Relations

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**Project Overview** 

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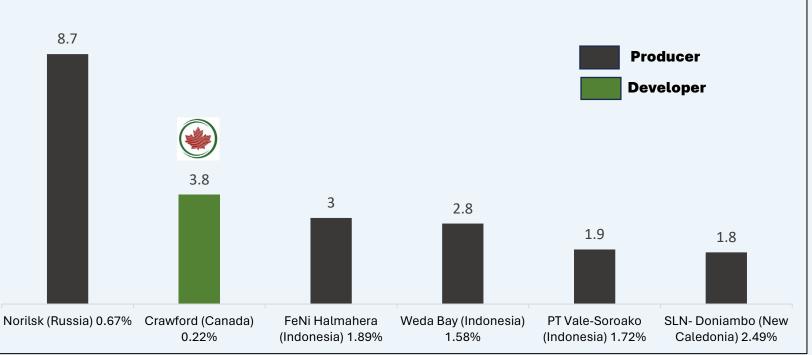
Analysis

# Crawford Contains the World's 2<sup>nd</sup> Largest Nickel Reserve



 1715 Mt total mineral reserve with 3.8 Mt Ni at 0.22% (Proven & Probable reserve)

- Nickel comprises 63% of total metal revenue
- One of the largest Ni reserves in Western Hemisphere



Largest Global Nickel Operations and Projects by Reserves

(Mt Contained Nickel)

Source: Wood Mackenzie, Company fillings

# The Crawford Project is resilient to sensitivities, given its reserve size and open pit style low operating costs



Comparative Analysis

**Project Overview** 

Sustainability & Stakeholder Relations Investment Thesis Valuation

# **Crawford Project's Head Start in Infrastructure**

Canada Nickel Overview





- Long history of mining and ٠ resource development
  - Skilled, local workforce ٠

Close vicinity to local contractors and producing mines

**Major Existing Support** Infrastructure

Road access from Ontario • Highway 655

> Power access from • proximal grid

Rail access from existing lines



Minimal rail and electrical ٠ line construction

Process plant

Open pit, TMF, and water management facility

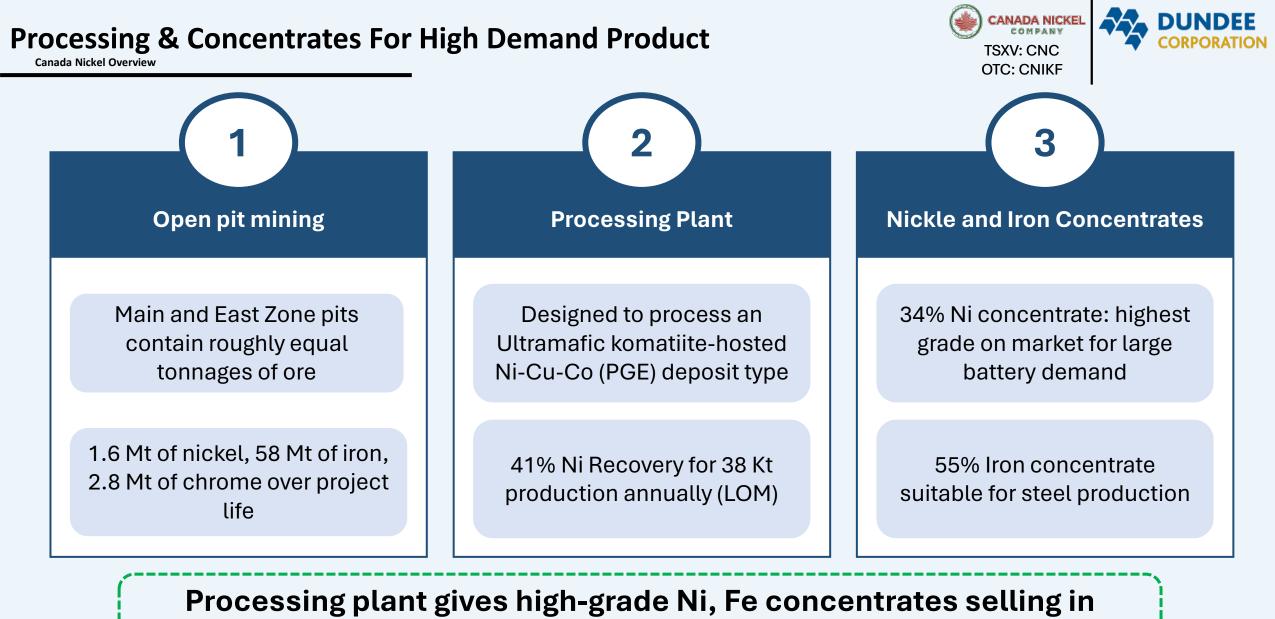
## The Crawford Project will utilize significant existing infrastructure



**Project Overview** 

Sustainability & Stakeholder Relations Investment Thesis

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# high demand steel and battery production chains



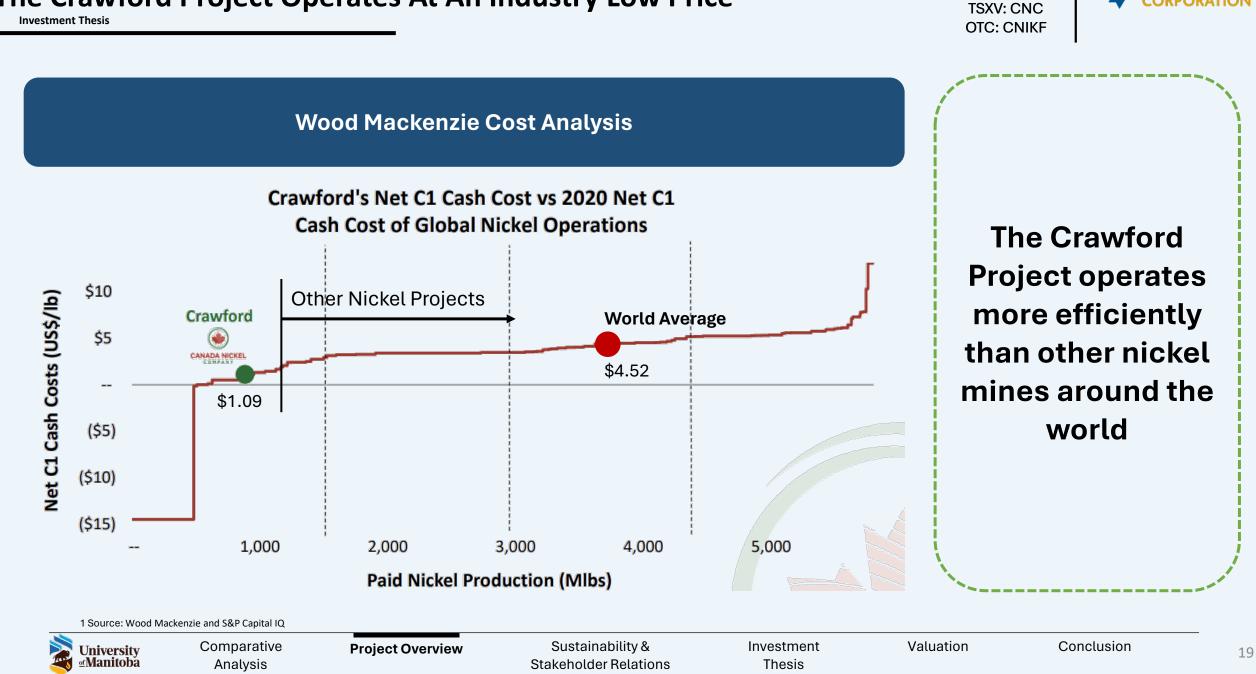
Comparative Analysis

**Project Overview** 

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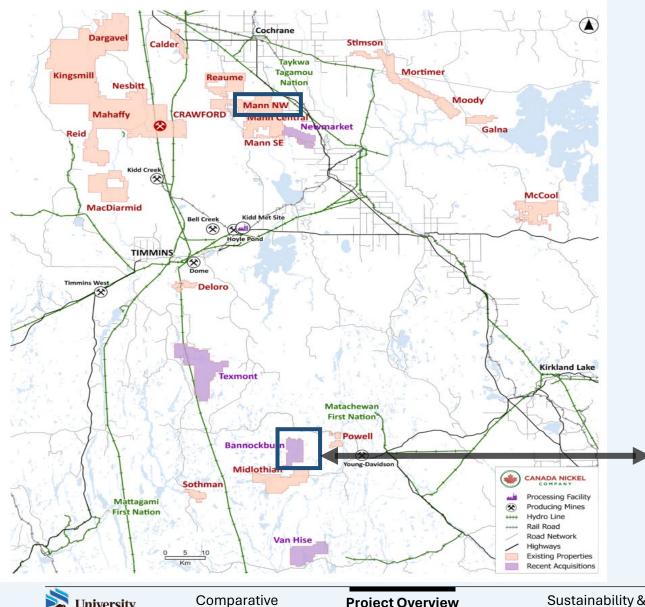


CANADA NICKEL

# The Crawford Project Operates At An Industry Low Price

# **Unlocking The Timmins Nickel Sulfide District**

Canada Nickel Overview





## A significant new nickel district with 20+ nickel targets

## Each target has the same ultramafic host rocks as the Crawford mineralization

**Eleven target properties have larger** footprint than Crawford

## Bannockburn Mann Northwest Multiple high-grade >3x the size of the intervals >2%Ni **Crawford Footprint**

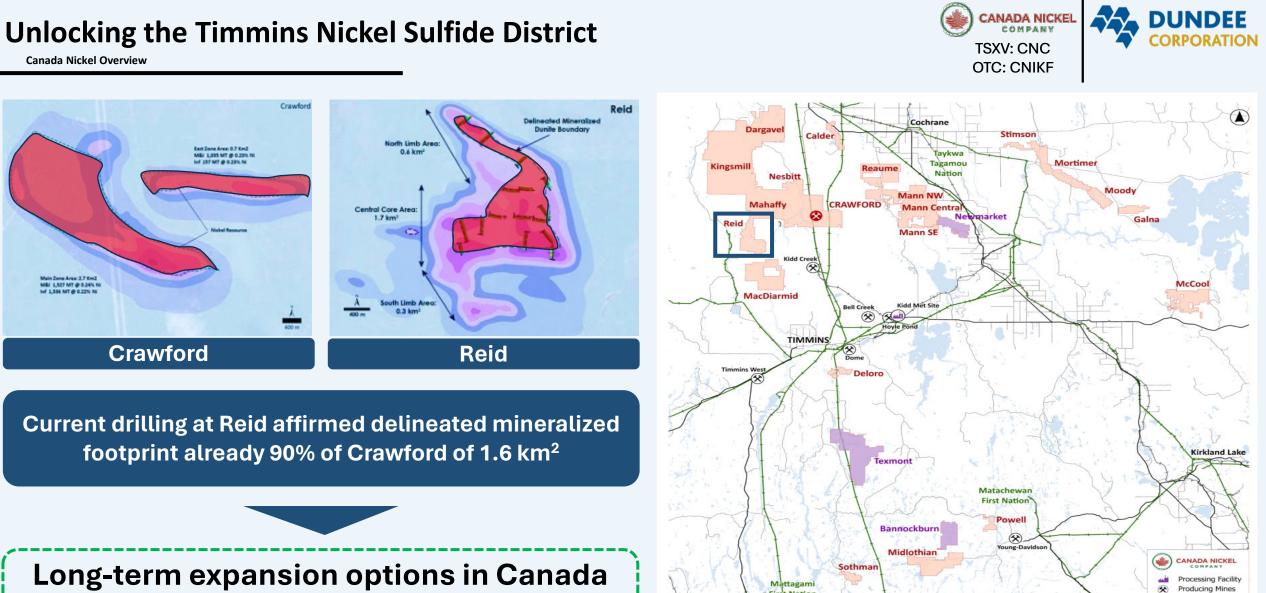
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**Project Overview** 

Analysis

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**Nickel's Assets** 



Comparative Analysis

**Project Overview** 

Sustainability & Stakeholder Relations **ESG** Overview

First Nation

Van Hise

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Hydro Line

Rail Road Road Network

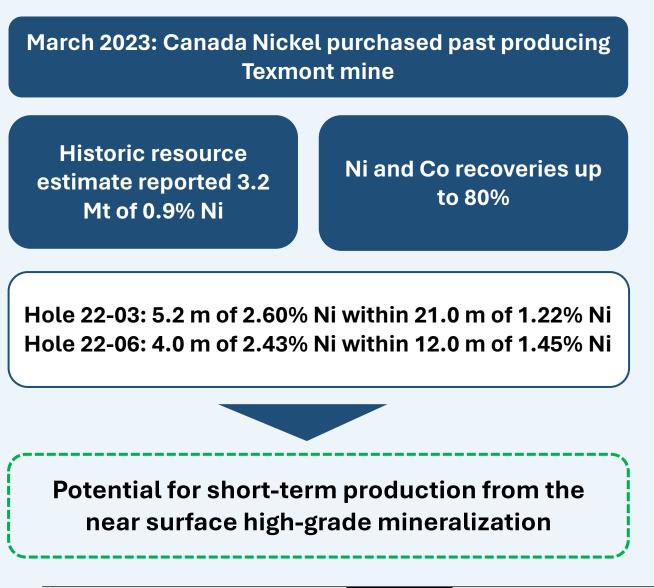
Highways Existing Properties Recent Acquisition:

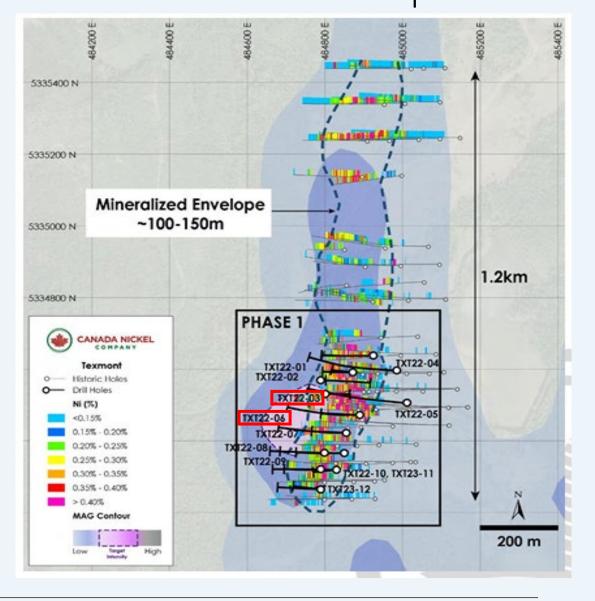
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# **Texmont Mine Acquisition Is Positioned For Fast Development**

Canada Nickel Overview







Generative with the second se

Comparative Analysis

**Project Overview** 

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# Sustainability & Stakeholder Relations

## **IPT Carbonation Process Achieves NetZero and Generates CO<sub>2</sub> Credits**



## **IPT Carbonation Process**

- Canada Nickel pilot program has developed a revolutionary process to inject concentrated source of CO2 into tailings.
- This novel process for accelerated mineral carbonation is called In Process Tailings Carbonation

## **Canada's Largest Carbon Storage Facility**

Projected 1.5 million tonnes per year of carbon captured and stored at the site (27-year period)

## **Sizable Cost Reductions**

Capital expenditures can be claimed back through carbon credits

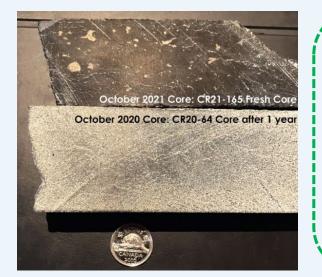
37%-60%

2022-2030

# 18.75%-30%

2031-2040

**Project Overview** 



Net zero operations and lower startup costs



Comparative Analysis

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## Canada Nickel Has Created A Mutually Beneficial Relationship With First Nations

Sustainability & Stakeholder Relations





## Taykwa Tagamou Nation (TTN)



## Apitipi Anicinapek Nation (AAN)



"Taykwa Tagamou Nation is proud of the partnership we have with Canada Nickel." - Chief Bruce Archibald TTN is using its own capital to develop electrical transmission infrastructure to the Crawford Project site

## 100,000 common shares granted to each

Mutually Beneficial Relationship With First Nations

The Timmins Daily Press
 Northern Ontario Business.com



Comparative Analysis Project Overview

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# Timmins Is "The City With A Heart Of Gold"

Sustainability & Stakeholder Relations



## **City Support**

- Sale of properties to open space for a rail yard
- Local supports for carbon sequestration research
- Building a new detour for mining equipment

## **Upcoming Projects**

• 4 total upcoming projects, 2/4 projects to begin shortly



## **Provincial Support**

Valuation

George Pirie, MMP for Timmins is the Minister of Mining for Ontario



Comparative Analysis

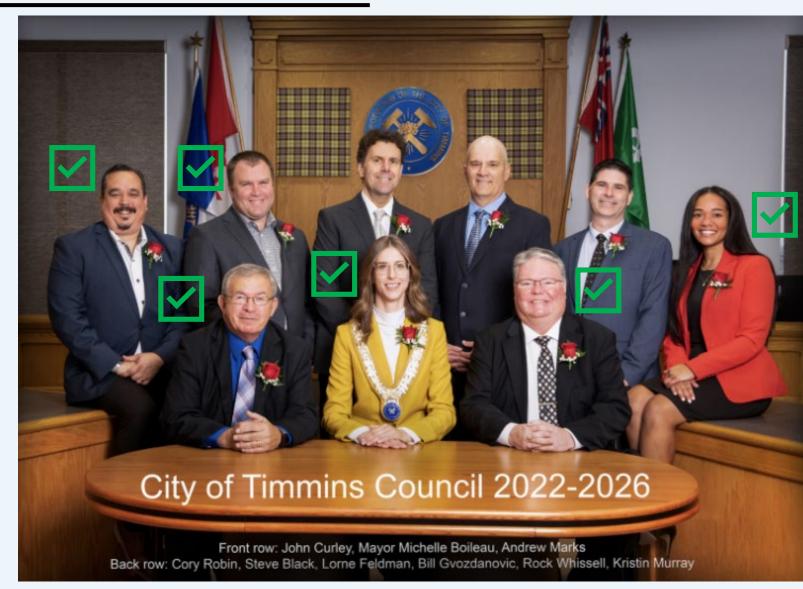
**Project Overview** 

Sustainability & Stakeholder Relations

Investment Thesis

# **Timmins City Council Overwhelming Support of Mining**

Sustainability & Stakeholder Relations





Mayor Michelle Boileau working on extending the mining exploration tax credit

Voted to build a new truck route around the town

Timmins City Council has strong advocates for mining

1. Timmins Today



Comparative Analysis Project Overview

Sustainability & Stakeholder Relations

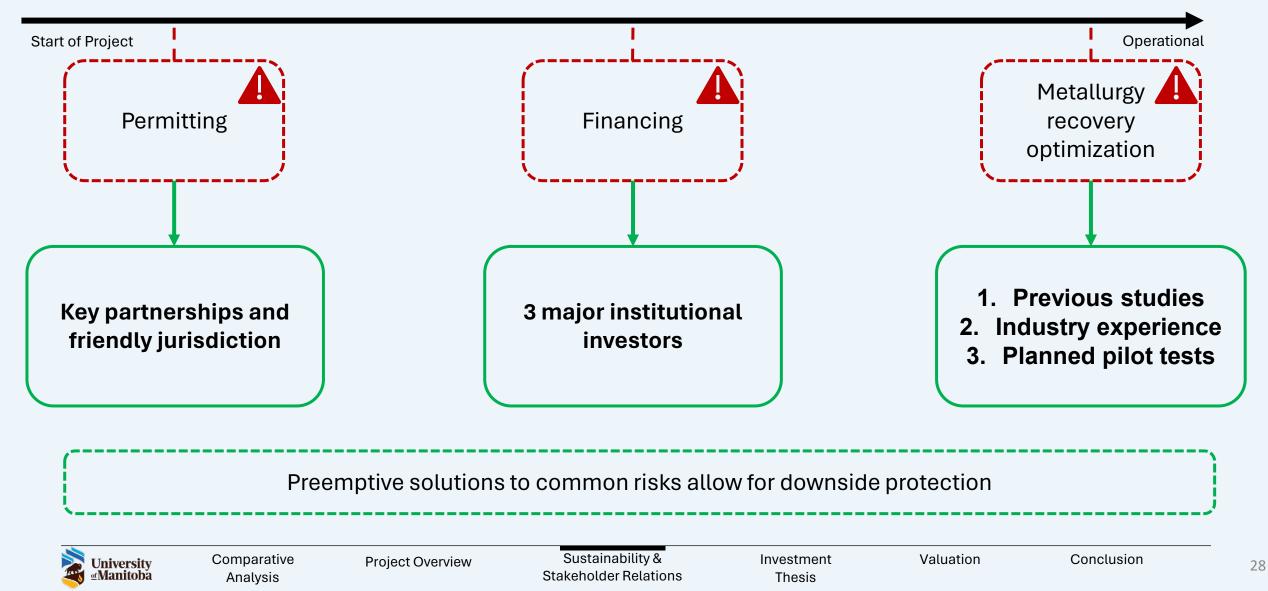
Investment Thesis Valuation

## Canada Nickel Has A Robust Plan Putting Shareholder Concerns At Ease

**Risk & Mitigation** 



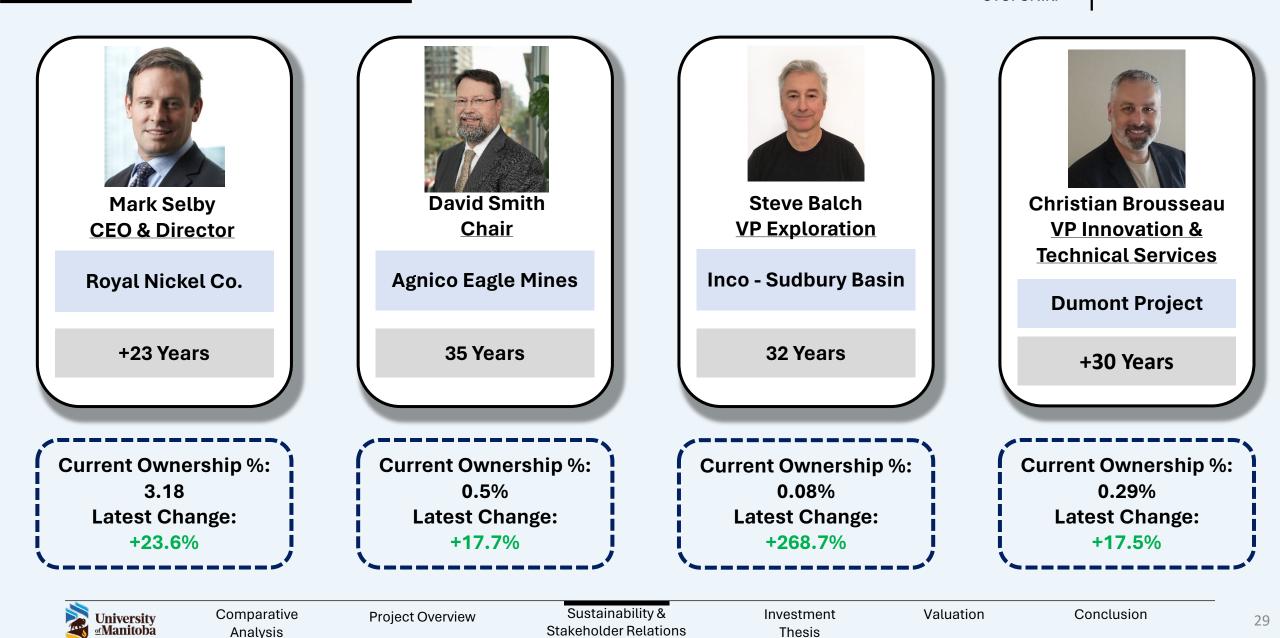
### **Potential Issues:**



# Canada Nickel's Management Team Is Personally Invested

Sustainability & Stakeholder Relations







# **Investment Thesis**

# **Nickel Has Multiple Avenues For Increased Demand**

**Investment Thesis** 

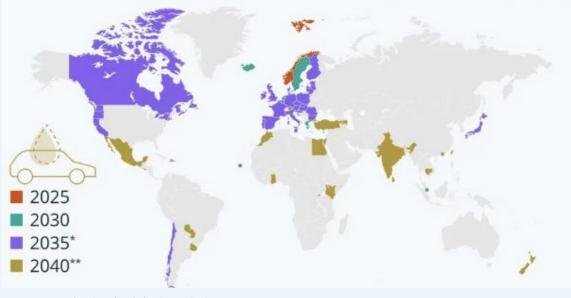
### **Electric Vehicle Demand**

**Regulatory Forces:** 

- European Union to ban the sale of gas cars by 2035
- 30+ countries to ban gas cars

Growth of the EV Battery Market:

• 8.5% CAGR of EV Battery Market outpaces EV CAGR



1 Combustion Going Bust – Forbes 2 Future Markets Insights Blog – EV Battery Markets



Comparative Project Overview Analysis Sustainability & Stakeholder Relations

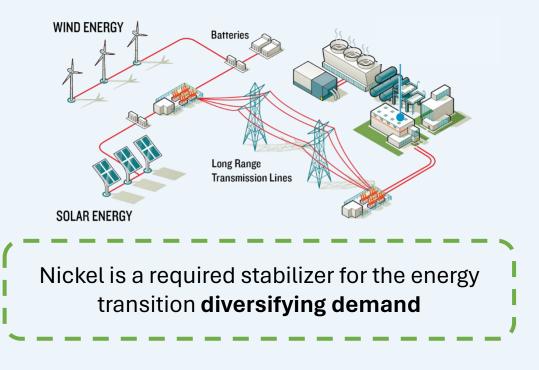
Investment Thesis Valuation

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## **Power Grid Stabilization**

- Increase in renewables means more peaks for production that need to be stored
- Nickel batteries are being used for excess supply storage to mitigate troughs in production output



## **The North American Market Demands Cleaner Nickel Production**

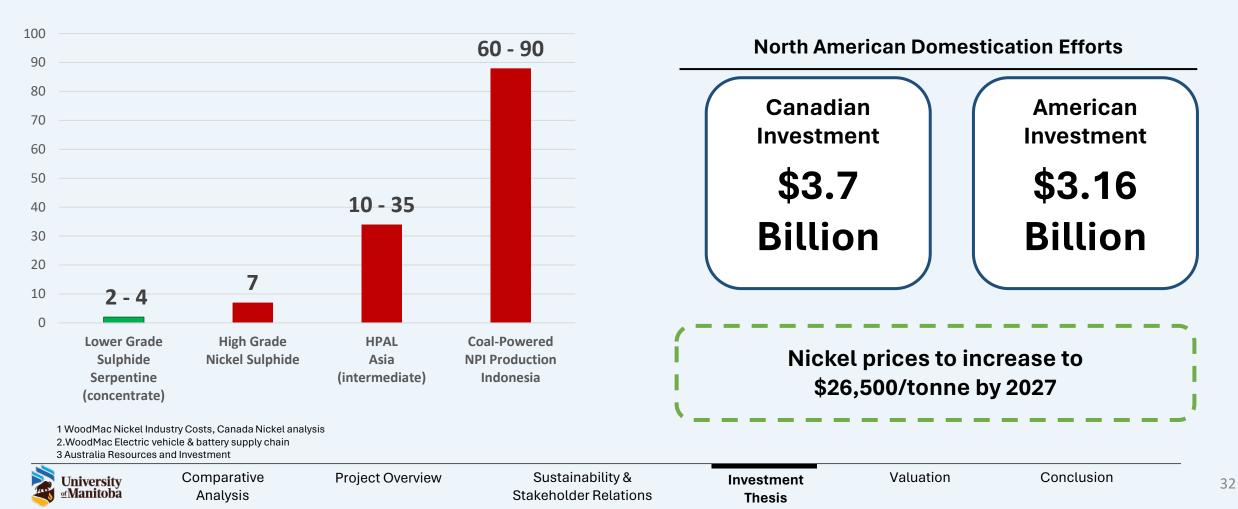
**Investment Thesis** 

The Current Nickel Industry Is Dirty

# Estimated Carbon Footprint (tonnes CO<sub>2</sub>/tonne of Nickel produced) by Nickel Production Type

Key Battery Makers Are Going Green

Samsung SDI, Ford, GM, Hyundai etc. are all looking for better environmental standards





### **Recent Investment Shows Financing Skill, and Confidence in Project** Valuation

CANADA NICKEL **TSXV: CNC** OTC: CNIKF

### Samsung SDI (8.7%)

- Samsung SDI Invests US\$ 18.5M at \$1.57 per share
- Right to 10% equity interest for \$100.5M
- Right to 10% of the nickel-cobalt production over LOM

## Agnico Eagle (11%)

- Agnico Invests C\$34.7M at \$1.77 per share
- Each unit consists of one flowthrough share & one purchase warrant

### Anglo American (7.6%)

Anglo American Invests C\$ 26 M at \$1.95 & 1.77 per share.

Positive Undertones	Samsu
SAMSUNG	10% Eq
SAMSUNG SDI AGNICO EAGLE AngloAmerican	Crawfo Corpora
<ul> <li>Potential for Future Financing and Offtake</li> </ul>	Corpor
<ul> <li>Vote of Confidence from;</li> <li>Multinational battery manufacturer</li> <li>Experienced miners</li> </ul>	Cropro Target ( Implied
<ul> <li>Experienced miners</li> <li>Strengthens B/S</li> <li>Push CNC toward development</li> </ul>	Impl The the con

Samsung Investment (FDSO 342M)							
10% Equity Stake US\$M	\$100.5						
Crawford Project NAV US\$M	\$1,005.0						
Corporate Adjustments	\$258.0						
Corporate NAV US\$M	\$1,263.0						
FX Rate C\$/US	\$1.3						
Croproate NAV C\$M	\$1,641.9						
Target 0.6x P/NAV	\$985.1						
Implied Share Price	\$ 2.88						
' <u></u> _							
Implied upside of 171%							

**Complimentary skillset of** e two partners is a vote of nfidence for Canada Nickel

Sources: Equity Research, Company Website 1 FDSO figure taken from Cormark Securities' estimate of a fully financed capital structure.



Comparative **Project Overview** Analysis

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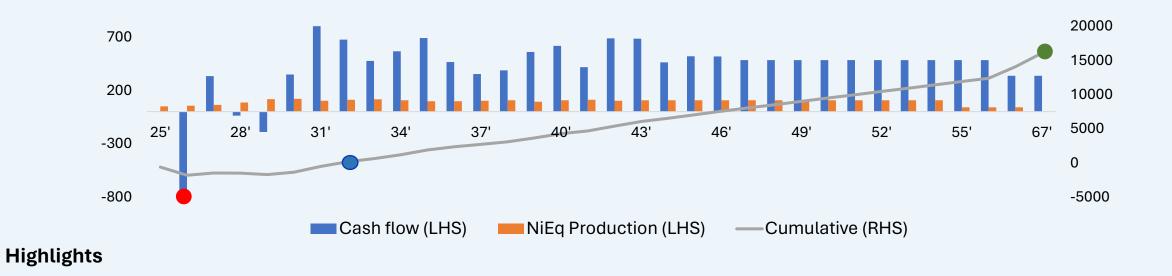
Valuation



# Valuation

## CNC Has the Scale and Mine Life to Benefit From an Increase in Ni/lb

Valuation



### **Crawford Production and Cash Flow**

When Ni\$US/	/lb increases, Cra	awford will be produ	cing	2026: Pea	k Investment c	of US\$ 1,898		
Commodity [	Diversification; N	li, Fe, (Cr, Co, Pl, Pd)		2033: Pay	back period co	omplete ~ 7 years		
	UTE Revenue	lesearch		2067: LON	1 cash flows of	f US\$ 15,497		
University Manitoba	ersity Comparative Project Overview itoba Analysis		Sustainability Stakeholder Rela	-	Investment Thesis	Valuation	Conclusion	

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CANADA NICKEL

**TSXV: CNC** 

OTC: CNIKF

CORPO

# The Crawford Project is Resilient, With Size for Upside

Valuation

Target Price and IRR at 0.6x Multiple					lvisory		DCF Assumptions			
	Downsi	ide	Base Case	Ups	side			Downside	Base	Upside
After Tax IRR	12	2.3%	19.4%		25.5%	-1	Ni US\$/lb	\$8.00	\$9.00	\$10.00
After Tax Project NPV, US\$M	IĮ\$	422	\$ 1,829	\$	3,140		Opex	120%	110%	100%
	~				*		C\$/US\$	\$1.40	\$1.30	\$1.20
Corporate NAV10%, C\$M	\$	952	\$ 2,713	\$	4,077		%Discount	12%	10%	8%
Target Price 0.6x NAV	·		\$ 1,628	•	2,446		Mine Delay	3 Years	3 Years	3 Years
0				•	,					
arget Price	\$	1.67	\$ 4.76	\$	7.15					
		1.07	• -	· ·	/ Financed)		півц	ly sensitive to	o the price of	піскеі
					2,713		,			
				Low cost, open-pit strategy creates resiliency						s resiliency
\$258	3	\$	2,087							
\$1,829										
							Applyir	ng a Target M	lultiple of 0	.6x to its
							Corpora	te NAV (C\$2	.713M). UM	Advisorv
								omes to a T		
							L. L			UI
								\$ 4	.76	
awford US\$M, (10%) Corporate Ad	i., US\$M Co	orporat	e NAV, US\$M	Corporat	e NAV C\$M					
1 Source: Crawford Project Feasibility 2 Fully Diluted Shares Outstanding fig	Study, Equity Rese	arch	, .	•	·	diustments in	clude market value of othe			
University Compar			ect Overview		Sustainability		Investment			onclusion

CANADA NICKEL

**TSXV: CNC** 

OTC: CNIKF

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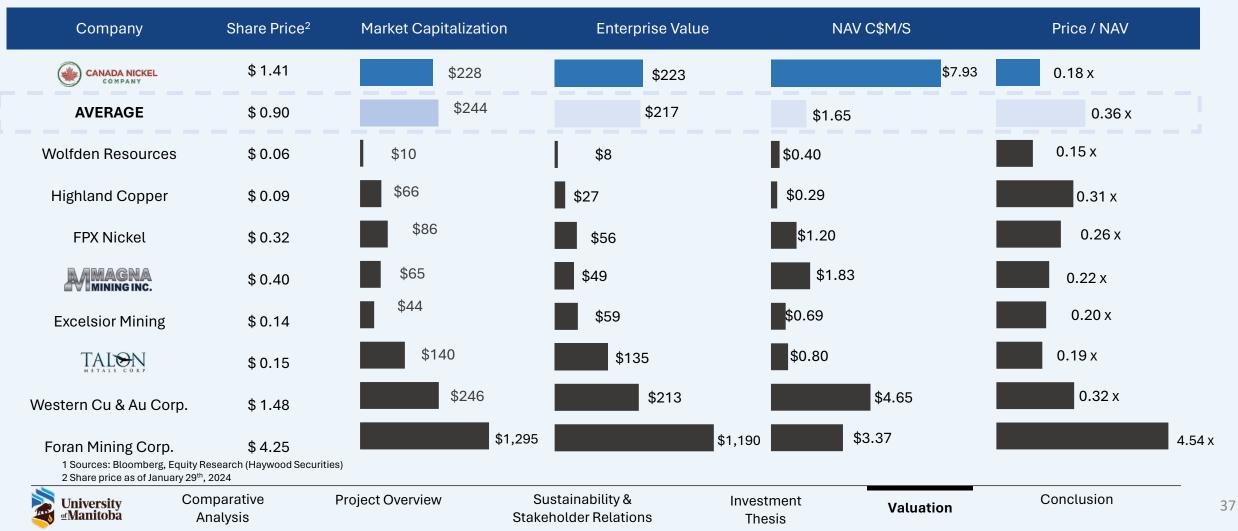
CORPORATION

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# **Canada Nickel In Strong Position Relative to Peers**

Valuation

- The average of P/NAV of select mining companies is 0.36x, not only is Canada Nickel trading at a discount to this but is also at a discount to Magna Mining (0.22x) and Talon Metals (0.19x)
- Applying a 0.36x multiple to Canada Nickel's NAV yields a target price of \$2.85





# **Canada Nickel In Strong Position Relative to Peers**

Valuation

• The average of P/NAV of select mining companies is 0.36x, not only is Canada Nickel trading at a discount to this but is also at a discount to Magna Mining (0.22x) and Talon Metals (0.19x)

**CANADA NICKEL** 

COMPANY

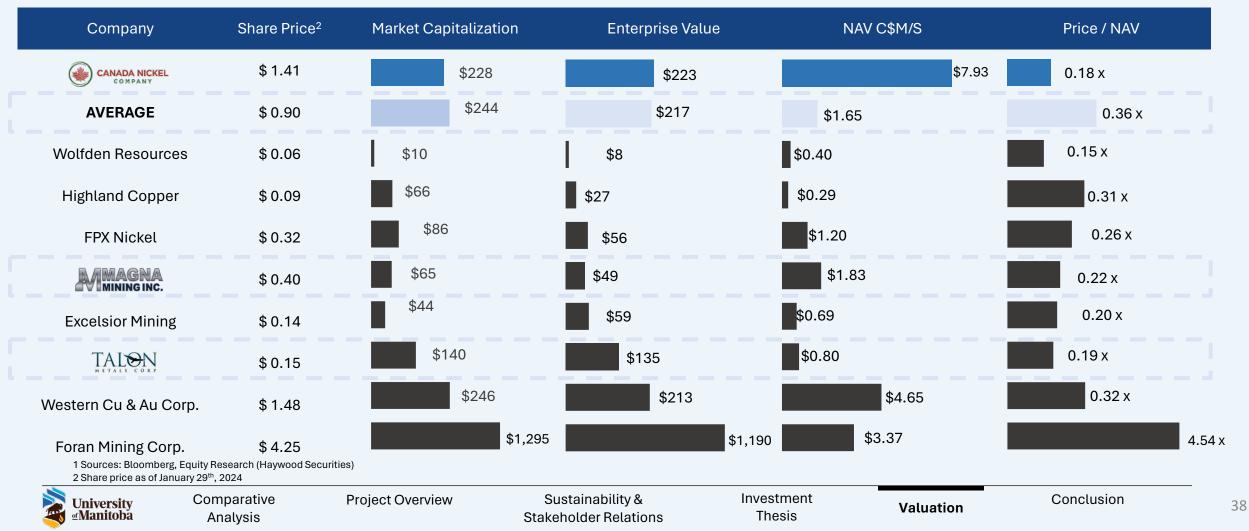
**TSXV: CNC** 

OTC: CNIKF

DUNDEE

CORPORATION

• Applying a 0.36x multiple to Canada Nickel's NAV yields a target price of \$2.85



## Across the Board Buy Rating with Positive Commentary

Valuation



Analyst Target Price (CAD\$)

Firm	Date	Rating	%Δ	Target					
🖲 CORMARK	15-Jan-24	Buy	0.0%	\$4.00					
₩ HA\W^O	15-Jan-24	Buy	0.0%	\$2.50					
CANTOR Fitzgerald	15-Jan-24	Buy	-16.7%	\$3.50					
ECHELON	12-Jan-24	Spec. Buy	-25.7%	\$3.90					
	12-Jan-24	Buy	1.4%	\$3.50					
	7-Nov-23	Spec. Buy	-5.8%	\$3.25					
Consensus Target Price	\$3.48								
Current Share Price (29-Jan-24)									
Target / Premium (Disc	ount) to Sha	re Price		147%					

## **Key Themes and Commentary**

"Crawford boasts **the world's 2nd largest sulphide resource**. Said status is **bolstered by a 'Tier 1' location** within the established Timmins mining jurisdiction" - Cormark

Agnico, an established miner with open pit experience and local systems to support it. – Cantor Fitzgerald

CNC is a long term buy opportunity as it works to develop a new nickel district and a CO<sub>2</sub> storage hub. - Haywood

Sources: Equity Research

Comparative Analysis Project Overview

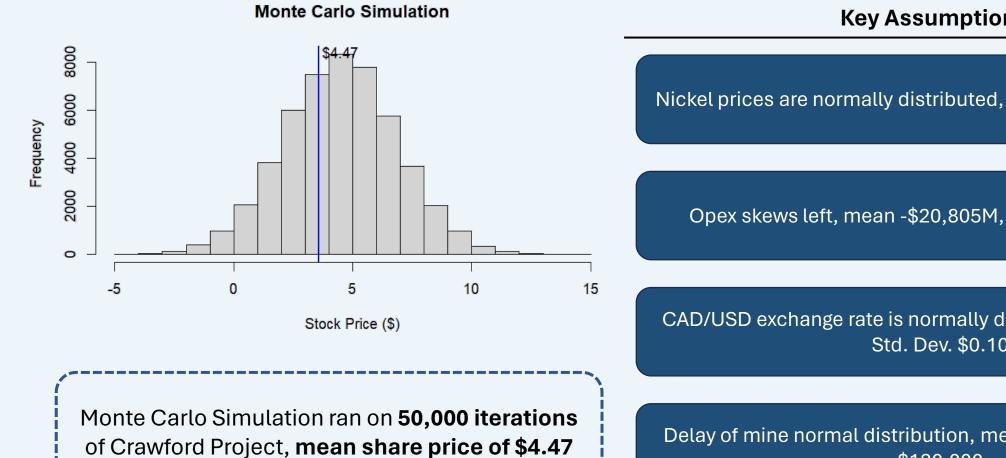
Sustainability & Stakeholder Relations

Investment Thesis Valuation

# Monte Carlo Tests Risk and Variability

Valuation





#### **Key Assumptions**

Nickel prices are normally distributed, mean of \$9, std. dev. \$1

Opex skews left, mean -\$20,805M, Std. Dev. \$2,080.5M

CAD/USD exchange rate is normally distributed, mean \$1.30, Std. Dev. \$0.10

Delay of mine normal distribution, mean -\$800,000, std. dev. \$120,000

Source code: UofM Graduate Statistics Department



Comparative

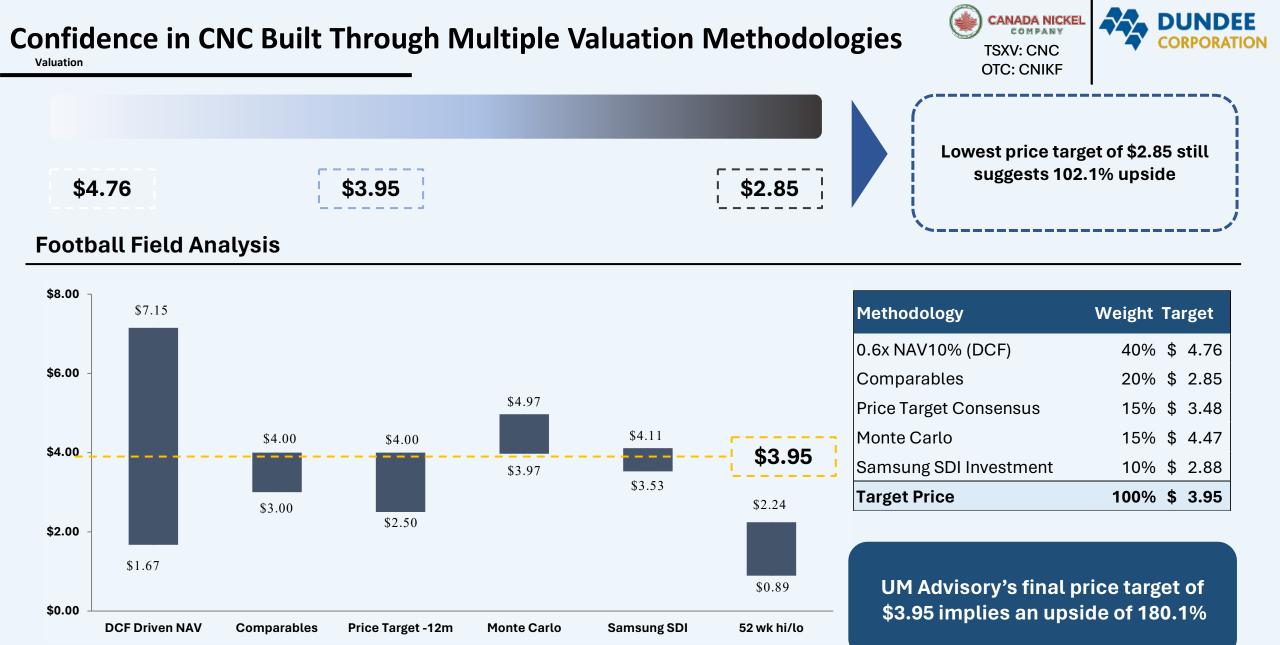
Analysis

**Project Overview** 

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University Manitoba

Comparative Project Overview Analysis Sustainability & Stakeholder Relations

Investment Thesis Valuation



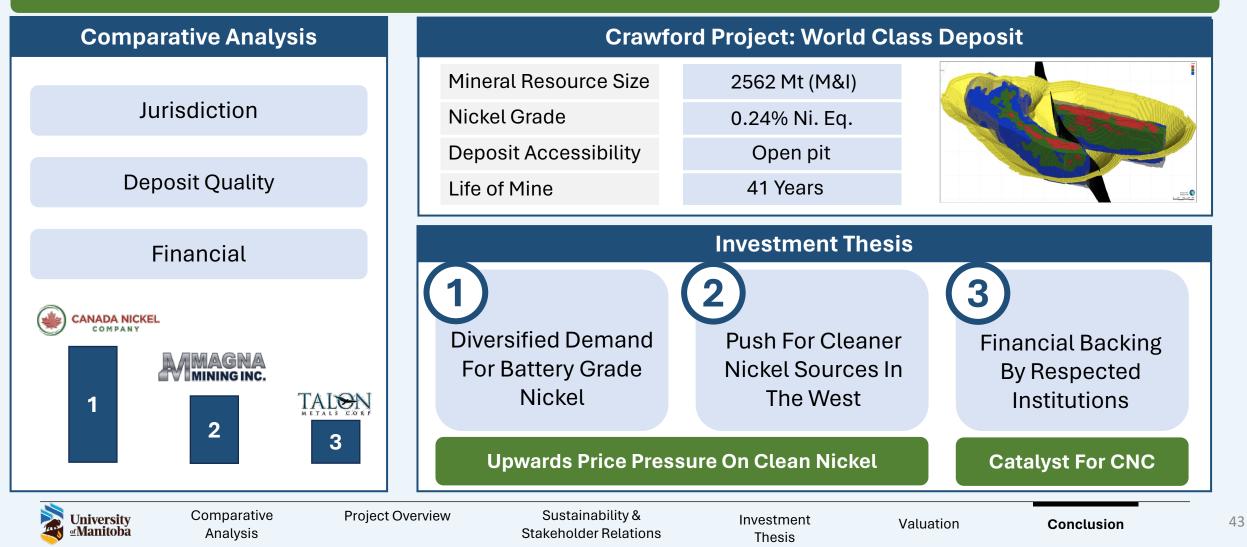
# **Dundee Corporation To Take Long-Term Position in Canada Nickel**

Conclusion



Call to action: Evaluate and select the best investment option out for 3 Jr. nickel companies for Dundee Corp.

Recommendation: UM Advisory initiates a BUY rating on Canada Nickel with a target price of C\$3.95





Rating: BUY Target Price: \$3.95 Implied Upside: 180.1%



- Overall Comparison: 48
- Magna Mining: 50
- Talon Metals: 53
- Canada Nickel: 56
- Additional Geological Information: 68





# Appendix 1: Information Deck

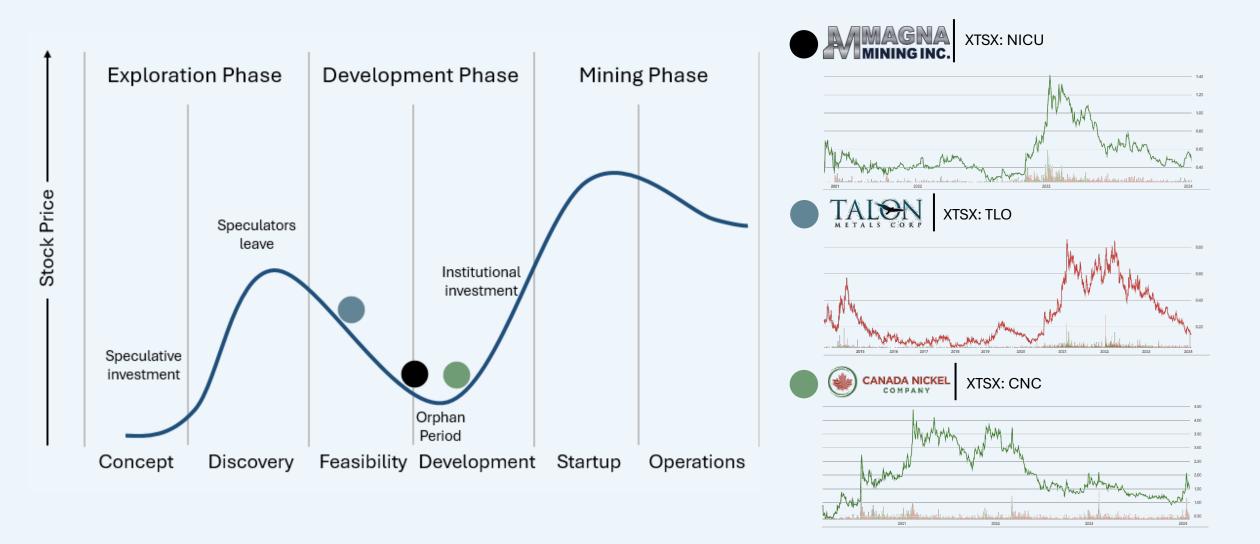
# **Investment Options**



Company Highlights	MMAGNA MINING INC.	TALS C.O. R. P	CANADA NICKEL
Stage	Development	Feasibility	Development
Life of Mine (LOM)	8.1 Years + 15 Years	17 Years	41 Years
<b>NAV<sub>8%</sub></b> (M \$CAD)	\$ 140M + \$ 230 M	\$ 844 M	\$ 2,475 M
Resource M&I (Mt)	11.8 + 16.7	8.56 (Indicated + Inferred)	653
Featured Metals	Ni, Cu, Co, Pl, Pd, Au	Ni, Cu	Ni, Fe, Ch, Pd,
Location	Sudbury, ON ●	Tamarack, MN 🛛 ●	Timmins, ON 🔸



CANADA NICKEL COMPANY TSXV: CNC OTC: CNIKF



1. All stock prices are from January 27, 2024



# **Company Overview - Magna**



#### Introduction

Magna Mining (TSXV: NICU.V) is based out of Sudbury Ontario and owns 180km2 of unexplored land around the Sudbury area.

Main Projects:

- Shakespeare Mine Ni-Cu-PGM, 70km southwest of Sudbury with an existing NI 43-101 resource
- Crean Hill Mine Pt-Pd-Au, 45km away from Shakespeare with an existing NI 43-101 resource



Jason Jessup MBA <u>CEO & Director</u> Experience in Sudbury area and has brought deposits to production

## Management 🗄

Paul Fowler CFA

Senior VP

Capital markets

experience, no

internal mining

company experience



Dr, Mynyr Hoxha Ph.D P. Geo <u>VP Exploration</u> Current Chief Geologist at Alamos Gold's Young-Davidson Mine

## Jurisdiction

**First Nations:** 

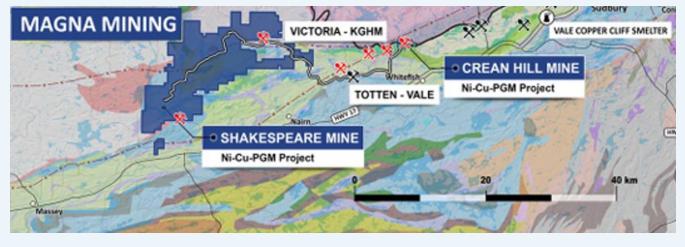
- Impact Benefits Agreement signed with First Nations
  - Attawapiskat 2013 IBA disagreement with De Beers

Provincial:

• Ontario ranks 12/84 for mining regions 1

Municipal:

 Majority of council supports cutting emissions by 25% for 2025



#### 1. Fraser Institute Annual Survey of Mining Companies



# Public Market Overview - Magna

CANADA NICKEL COMPANY TSXV: CNC OTC: CNIKF

**Key Themes and Commentary** 

• Magna is in Canada's marquee mining district with unique permitting against the backdrop of tightening regulation

	_					-	
Firm	Date	Rating	Valuation	%Δ	Target	[	
cg	22-Jan-24	Spec. Buy	1.0x NAV	-23%	\$1.00		Positive drill results released early January 24' from the 105 & 109 FW zones identified a large <b>pillar offering significant resource upside</b>
Desjardins	22-Jan-24	Buy	NA	-34%	\$0.95	≣ (	– Canaccord Genuity
SCP	3-Nov-23	Buy	NA	0%	\$1.60	rean	
	21-Sep-23	Buy	0.3x & 0.75x NAV <sub>8%</sub>	100%	\$3.00	U	<b>Discounted valuation despite strong grades and jurisdiction</b> . The
SADIF	17-Aug-23	Sell	NA	NA	\$0.34		Crean Hill project alone matches Talon's resource, while Sudbury's jurisdiction and stronger grade (1.8% vs. 2.0%) win out. – Desjardins
PARADIGM	5-Jan-23	Buy	NA	25%	\$1.50		
Consensu	s Target Pric	e		13%	\$1.18	eare	The Shakespeare mine continues to be on care and maintenance since its
Current Sh	nare Price (2	9-Jan-24)			\$0.40	spea	last operation in 2012. The Permits and closure plans are in hand to
Target / Pi	remium (Dis	scount) to S	hare Price		199%	Shakesp	construct a 4,500-tpd mill. With increased difficulty in permitting today,
Recent N	ews					4S	this presents Magna <b>strategic opportunities</b> for the land. – Paradigm

Analyst Target Price (CAD\$)

Jan. 2024: Magna closes \$18M private placement of flow-through-shares and common shares, transacting at \$1.82 and \$1.10 per share respectively

• Flow-through proceeds will be used towards exploration expenses while common share proceeds will cover other projects of the corporation Jan. 2024: Magna has resumed drilling at its Crean Hill location with two drills turning, while at the Shakespeare location a third will commence in Feb. Nov. 2023: Jeff Huffman appointed as COO, Jeff previously held roles at Dumas Contracting, and (like many other Magna Mgmt.) FNX mining Jul. 2023: Magna completes PEA for its anticipated Crean Hill project, showcasing the positive economics surrounding the deposit



## **Operational Overview - Magna**

## Deposit Quality

- <u>Shakespeare Project</u>: 20.34 Mt Indicated global resource and 11.87 Mt probable reserve with 0.33% Ni and 0.35% Cu
- <u>Crean Hill Mine</u>: near surface resource with high grade zones, 14. 5 Mt indicated resource at 2.07% nickel equivalent
- 28 Mt mineable resources (PEA, July 2023)
- Resource expansion of footwall through underground mining
- Potential for high grade Pt-Pd-Au mineralization in the footwall zone



## Mining and Processing

- Open Pit and Underground mining- cost of both and risk associated...
- Standard floatation process from past toll milling shows excellent recovery rates
- Shakespeare processing plant posses permits for construction of a 4,500 t/d capacity mill and recommencement of open pit mining
- Nickel and Copper Concentrate Production (including payable Co, Pt. Pd and Au)

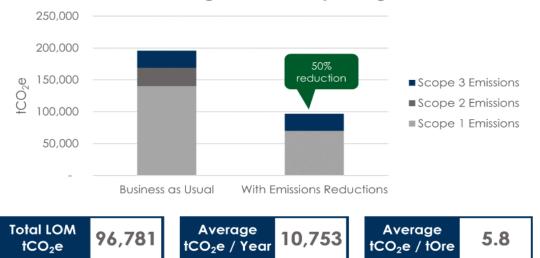
	Shakespeare Mineral Reserves, January 2022										
Category	(Mt)	Ni (%)	Cu (%)	Co (%)	Pt (g/t)	Pd (g/t)	Au (g/t)				
Open Pit											
Probable	11.87	0.33	0.35	0.02	0.32	0.36	0.18				



# **Operational Overview - Magna**

## Infrastructure

- Shakespeare project has year-round road access and accessibility from the nearby Trans-Canada Highway
- Milling and smelting capacity within trucking distance of Shakespeare project
- Crean Hill mine is located close to grid power and water treatment plant
- Water Management infrastructure includes a series of waste management ponds and water transfer pumps and pipelines



#### Reducing Emissions by Design



#### Tailings and Water Management

- Shakespeare project: tailings and mine waste rock will be codisposed in Co-Disposal Area with an estimated storage capacity of 34.9 Mm3 for tailings and mine rock
- West Pit will be available for in-pit disposal of mine rock and tailings within 4 years after the start up
- Water management facilities to manage process water and collect surface runoff from precipitation
- East and West

## Carbon Footprint

- Synergy Enterprises disclosed that consumption of diesel in vehicles and purchased electricity from the Ontario grid are the two largest emission sources
- Sourcing B50 biodiesel blend for all diesel-power equipment and building a hydro line in partnership with Hydro One to reduce emissions



# **Company Overview – Talon**

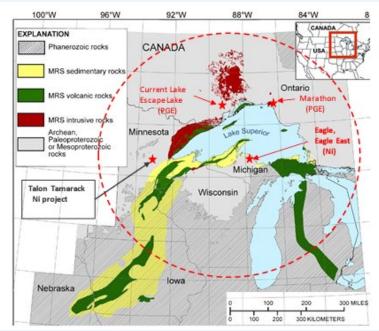


#### Introduction

Talon Metals Corp (XTSE: TLO) is a base metals company headquartered in Road Town, British Virgin Islands and has the option to acquire 80% interest in a land package of ~400,000 acres in the Upper Peninsula in Michigan.

Main Project:

• Tamarack Mine Ni-Cu-Co, located in the middle of Minnesota a new joint venture with Rio Tinto, Talon owns 51% interest



1. Fraser Institute Annual Survey of Mining Companies

2. MPR News

## Management 🚠



Henri Van Rooyen <u>CEO</u> Experience in private investment in exploration and silica mining in Africa Sean Werger MBA, LLB <u>President</u> Private investment, mergers & acquisitions, legal council experience



Brian Goldner MSc <u>Chief Explorations &</u> <u>COO</u> 14 years of experience at Rio Tinto in North America

Jurisdiction 🖽

First Nations:

- Water Over Nickel Campaign from the Mille Lacs Band of Ojibwe
  - Moved tailing management and processing to North Dakota
  - Moving raw ore to North Dakota ~700km

State:

- Minnesota ranks 54/84 for mining regions 1
  - New Range Copper and Nickel took over a decade for permits, now stalled.

Municipal:

Tamarack Water Alliance (citizen action group) is pressuring local officials



# Public Market Overview – Talon

• Talon has strong tailwinds stemming from its US address and recent nickel relevance, however, with a relatively small deposit and a strategy contingent on continued exploration Talon must continue to prove itself

Analyst Target Price (USD\$)

Firm	Date	Rating	Valuation	%Δ	Target				
cg	16-Jan-24	Spec. Buy	NA	-29%	\$0.50				
TD	16-Jan-24	Spec. Buy	0.51x NAV <sub>10%</sub>	-15%	\$0.55				
SCP	15-Jan-24	Buy	NA	0%	\$1.05				
	21-Dec-23	Buy	NA	0%	\$0.48				
CANTOR Filzgerald	17-Nov-23	Spec. Buy	NA	-40%	\$0.60				
<b>р</b> котн мкм	2-Oct-23	Buy	0.5x NAV <sub>7%</sub>	0%	\$1.25				
	26-Oct-22	Buy	NA	6%	\$0.85				
Consensus <sup>-</sup>	Target Price			-11%	\$0.68				
Current Sha	Current Share Price (29-Jan-24)								
Target / Pre	emium (Disco	unt) to Share I	Price		353%				
ecent New	/S								

#### **Key Themes and Commentary**

CANADA NICKEL

TSXV: CNC OTC: CNIKF

New drill hole in the Raptor zone affirms company's continued exploration strategy. The discovery of the 9.31% nickel equivalent is located a full **1 km outside the main resource** – TD Cowen

**Right address and timing to benefit from public and private funds.** Tamarack was selected for a US\$114M from DOE on top of US\$20.6M from DOD. Tesla has also committed to 75kt of Nickel – Cantor Fitzgerald

Backed by a "**Talon'ted team**". Brian Goldner completed his master's thesis on the Tamarack intrusion. Geologist Dean Rossell discovered the only two high-grade nickel-copper projects in the USA. – CG

Jan. 2024: Talon Metals reports new assay results outside of the Tamarack resource area: 9.31% nickel equivalent in the raptor zone

Drilling suggests 250m of continuous high-grade nickel-copper mineralization

Nov. 2023: US Dept. of Energy and Talon sign agreement regarding \$114.8M in bipartisan infrastructure law funding, presents immediate funding access Oct. 2023: Talon announces closing of investment proceed for C\$21.7M at a price of C\$0.27 per share. Proceeds will be used for further exploration Sep. 2023: Department of defense and Talon sign agreement to support domestic nickel exploration (value of US\$20.6M)



## **Operational Overview – Talon**

## Project Quality

- Tamarack resource: High grade Nickel deposit with about 17 Mt indicated and inferred resource
- Significant increase in mineral resource estimate due to advanced exploration system
- The Raptor Zone: new high-grade nickel zone

## Infrastructure

- Rail loadout facility from mine to processing plant: receiving ore and shipping metal products to customers
- Facilities for storing tailings in processing facility
- Support infrastructure and water treatment facilities on mine site
- Processing Plant facility
- Year-round road access and high-voltage power line at mine site



## Mining and Processing $\underline{\textcircled{}}$

- No ore processing and tailings generated or stored on mine site
- The Tamarack Project selected to receive US\$ 114.8m grant for the construction of a Battery Mineral Processing Facility in North Dakota
- Underground mine to produce raw ore and processing plant to separate metals from raw ore
- Nickel concentrate contain nickel, cobalt and iron used for both nickel and lithium Iron phosphate

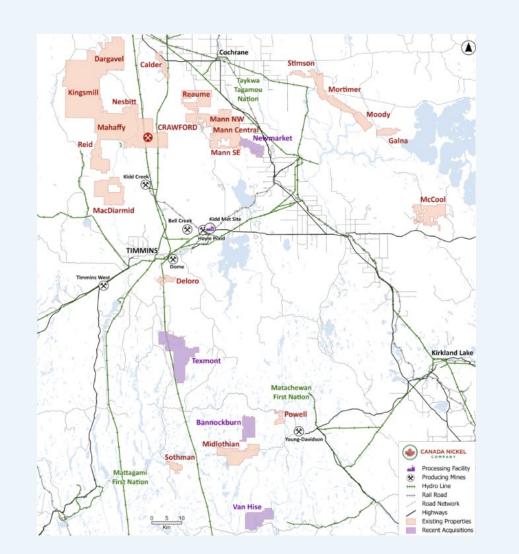
## Carbon Footprint

- Carbon sequestration strategy involving carbon mineralization
- Awarded US\$2.2 million by the US department of Energy to explore carbon storage potential at the Tamarack Project in 'bowl' area of the intrusive complex
- Potential source of revenue from sales of carbon credit offset if successful



## **Company Overview – Canada Nickel**





#### Introduction

Canada Nickel Company (TSXV: CNC.V) is headquartered out of Toronto Ontario, flagship projecting is the Crawford Nickel-Cobalt Sulphide Project. Canada Nickel aspires to create a new Nickel District in Canada with over 20+ potential mines.

Main Projects:

- Crawford Nickel-Cobalt Sulphide Project, is located near Timmins Ontario and owns 100% of the project
- Texmont Ni Co Mine and Mill, which operated until 1972 and had an estimated 3.2 million tons at a 0.9% grade

Management 击





David Smith Chair Executive VP, Finance and Chief Financial Officer of Agnico Eagle Mines for 11 years



Steve Balch <u>VP Exploration</u> Worked over 6 years at Inco in the Sudbury basin. 32 years of experience in geophysics



# Jurisdiction Overview – Canada Nickel

### First Nations

Partnerships with the Wabun Council:

• "Taykwa Tagamou Nation is proud of the partnership we have with Canada Nickel." - Chief Bruce Archibald

Internalizing Key Stakeholders:

• The Taykwa Tagamou Nation (TTN) and the Apitipi Anicinapek Nation (AAN) both have 100,000 common shares each



I. The Timmins Daily Press

2. Fraser Institute Annual Survey of Mining Companies





## Municipal

The City with a Heart of Gold:

• 4 current mining project, 2 gold project to go into production shortly

Developmental acts:

- Sold off almost all industrial properties to open space for a rail park
- Interested in revenue sharing to bolster infrastructure and increase green energy grid in the area
- Local colleges support funding and workers for carbon sequestration 1

## Provincial

Provincial support for mines:

- Timmins MMP and Ontario's Minister of Mines George Pirie, "You can't be green without mining. If we're going to transform our economy, we have to mine".
- Ontario ranked 12/84 for friendly mining regions 2

# **Public Market Overview – Canada Nickel**



• Canada Nickel Co. is a strong consensus buy with an implied upside of 125% in the NTM

Firm	Date	Rating	%Δ
🖲 CORMARK	15-Jan-24	Buy	0.0%
HAYWOOD	15-Jan-24	Buy	0.0%
CANTOR Titrgerald	15-Jan-24	Buy	-16.7%
ECHELON	12-Jan-24	Spec. Buy	-25.7%
	12-Jan-24	Buy	1.4%
RESEARCH CAPITAL	7-Nov-23	Spec. Buy	-5.8%

Analyst Target Price (CAD\$)

Current Share Price	(29-Jan-24)

**Consensus Target Price** 

Target / Premium (Discount) to Share Price

#### **Recent News**

#### **Key Themes and Commentary**

"Crawford boasts the **world's 2nd largest sulphide resource**. Said status is bolstered by a '**Tier 1**' location within the established Timmins mining jurisdiction and 'net-zero' carbon potential" - Cormark

Agnico an **established miner with open pit experience** and local systems to support it, **Samsung** a supportive partner and **potential customer with an offtake agreement** of up to 30%. – Cantor Fitzgerald

**CNC is a long term buy opportunity as it works to develop a new nickel district and a C0<sub>2</sub> storage hub.** Recent equity investments from Agnico and Samsung show a vote of confidence from strong partners - Haywood

- Jan. 2024: Canada Nickel has entered into seven purchase agreements for mining claims around the Timmins area
- Canada Nickel will issue an aggregate of 723k common shares as well as a cash payment of ~C\$68k for these claims
- Jan. 2024: Canada Nickel receives equity investment from Samsung SDI, proceeds total US\$18.5M representing an 8.7% stake or 15.6M shares
- Samsung granted a right to purchase 10% equity interest in the Crawford project for US\$100.5M upon final construction (implied value of \$US1.01 B) Jan. 2024: Agnico Eagle Acquires 12% for C\$34.7M. Each unit contained a common share as well as 0.35 of one common share purchase warrant



# **Operational Overview – Canada Nickel**



#### Project Quality

- Crawford Project contains the world's 2<sup>nd</sup> largest nickel reserves
- Main and East Zones are the principal zones of nickel sulfide mineralization
- Measured and Indicated resource increased by 74% (compared to the 2022 resource estimate) to 6.0 million tonnes
- Texmont mine grade

Infrastructure

- Major support infrastructure in place: roads, water, rail connection and power
- Tailing management facility
- Process plant and mining building infrastructure to the built during phase 1 and 2 of operations
- Project site is proximal to contractors and producing mines

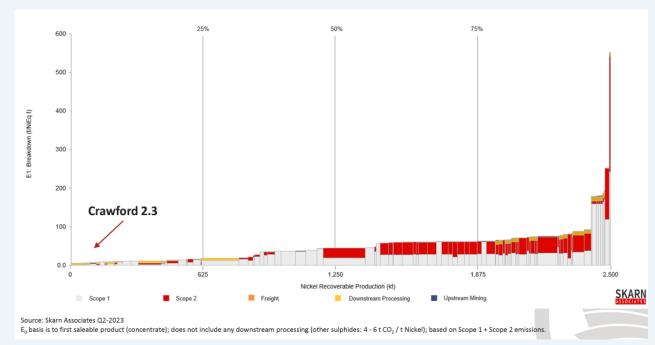
	Tonnage		Grade						Contained Metal						
	(Mt)	Ni (%)	Co (%)	Pd (g/t)	Pt (g/t)	Fe (%)	Cr (%)	Bruc (%)	Ni (Mt)	Co (Kt)	Pd (Moz)	Pt (Moz)	Fe (Mt)	Cr (Mt)	
Higher Grade Main Zone															
Measured	253	0.30	0.013	0.027	0.012	6.40	0.59	1.73	0.8	33.1	0.2	0.1	16.2	1.5	
Indicated	296	0.28	0.013	0.023	0.012	6.93	0.57	1.36	0.8	39.0	0.2	0.1	20.5	1.7	
Mea+Ind	549	0.29	0.013	0.025	0.012	6.68	0.58	1.53	1.6	72.1	0.4	0.2	36.7	3.2	
Inferred	212	0.28	0.013	0.018	0.011	6.91	0.56	1.21	0.6	28.2	0.1	0.1	14.6	1.2	
Lower Grade Main Zone															
Measured	280	0.22	0.013	0.011	0.009	6.89	0.59	1.15	0.6	36.8	0.1	0.1	19.3	1.6	
Indicated	698	0.21	0.013	0.011	0.009	7.10	0.57	1.07	1.5	91.7	0.2	0.2	49.6	4.0	
Mea+Ind	978	0.21	0.013	0.011	0.009	7.04	0.58	1.10	2.1	128.5	0.3	0.3	68.9	5.6	
Inferred	1,324	0.21	0.013	0.010	0.009	7.20	0.57	0.94	2.8	173.8	0.4	0.4	95.4	7.5	
Higher Grade East Zone															
Measured	394	0.26	0.012	0.015	0.009	5.92	0.65	3.10	1.0	49.2	0.2	0.1	23.3	2.5	
Indicated	300	0.26	0.013	0.011	0.007	5.85	0.63	3.19	0.8	37.8	0.1	0.1	17.5	1.9	
Mea+Ind	694	0.26	0.013	0.013	0.008	5.89	0.64	3.14	1.8	87.1	0.3	0.2	40.9	4.4	
Inferred	112	0.26	0.013	0.010	0.007	5.90	0.62	2.89	0.3	14.2	0.0	0.0	6.6	0.7	
Lower Grade East Zone															
Measured	169	0.16	0.013	0.011	0.009	7.25	0.54	0.40	0.3	21.3	0.1	0.0	12.3	0.9	
Indicated	172	0.17	0.012	0.011	0.009	7.11	0.52	0.93	0.3	21.2	0.1	0.1	12.2	0.9	
Mea+Ind	341	0.17	0.012	0.011	0.009	7.18	0.53	0.67	0.6	42.5	0.1	0.1	24.5	1.8	
Inferred	45	0.17	0.013	0.010	0.008	7.11	0.54	0.55	0.1	5.8	0.0	0.0	3.2	0.2	
Total Crawford Resource															
Mea+Ind	2,562	0.24	0.013	0.014	0.010	6.67	0.59	1.69	6.0	330.2	1.2	0.8	170.9	15.1	
Inferred	1,693	0.22	0.013	0.011	0.009	7.08	0.57	1.09	3.7	222.0	0.6	0.5	119.9	9.7	



# **Operational Overview – Canada Nickel**

### Mining and Processing

- Crawford's 34% nickel concentrate contains nickel, cobalt, palladium, and platinum: highest grade concentrate available on the market and suitable feed for battery market.
- 55% FeCr concentrate contains substantial quantities of nickel, iron, and chromium and suitable feed stock for steel-making.
- Milling and prcessing





## Tailings and Waste Management

- Mine tailings to be deposited into a surface tailing management facility (TMF) for 18 years until the Main Zone pit has been depleted
- Thereafter, tailing will be deposited into the Main Zone pit and then the East Zone pit.
- Estimated 624 Mt of tailings will be produced before in-pit deposition begins
- TMF water management ponds proposed to drain mine infrastructure and collect surface runoff and mine seepage

## Carbon Footprint

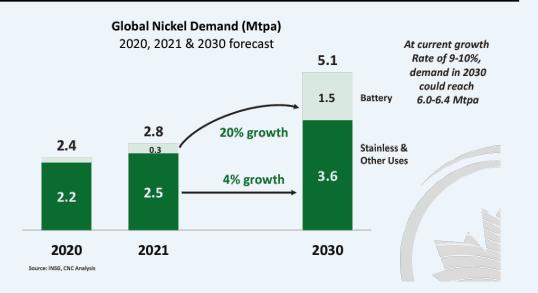
- Low carbon footprint: Crawford estimated to produce 2.3 tonnes  $CO_2$  per tonne of nickel equivalent production . 89% lower than industry average of 34 tonnes of  $CO_2$  based on Skarn  $E_0$
- Collection of environmental baseline information commenced in 2021 for the project site show no environmental aspects that appear to be limiting the project's development



## i. Long LOM Gives CNC Large Window to Benefit from Ni Price Increase



#### Nickel Forecasted to grow at 3-4x other base metals



#### The Future Role of Nickel

**Electric Vehicles:** 

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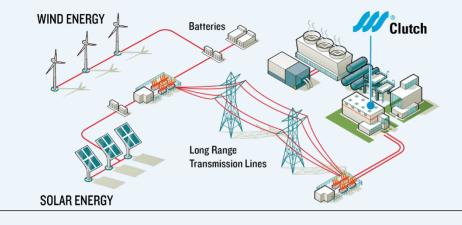
- Projected increase in EV demand for the coming decade Power Grid Stabilization:
  - Increase in renewables means more peaks for production that need to be stored
  - Nickel batteries are being used for excess supply storage to mitigate troughs in production output

#### Impacts of a longer LOM

- 41-year mine life (US\$1.9 billion initial capex)
- Life-of-mine average net C1 cash cost of US\$0.39/lb
- Life-of-mine average net AISC of US\$1.54/lb

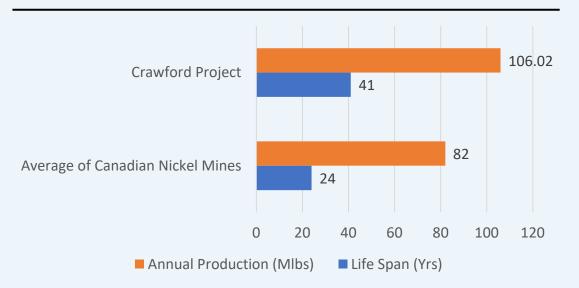
Staged Development Process:

- Lower initial Capex
- Reduction in required financing
- Utilization of future higher nickel prices





# ii. Large Deposit / resource expansion / LOM / Reduce Carbon Footprint



#### Benefits of a Large Low-Cost Deposit

#### More likely to be approved by federal and provincial permitting

- Less risk for additional resource expansion requirements
- Stable base for future funding of new projects

#### **Resource Expansion**

OTC: CNIKF

- Potential to unlock the Timmins Nickel District: a substantial new nickel district with over 20+ nickel targets
- Previous work done on each target confirm the presence of same serpentinized dunite and peridotite which host the Crawford mineralization
- Regional exploration success: discovery of multiple deposit with larger geophysical footprint than Crawford
- All located near current infrastructure to help minimize carbon footprint

#### **Carbon Sequestration**

• Small and medium scale test of sequestration were successful

#### Mitigation of carbon tax:

- Reduction in cost per tonne mined by up to \$201.80
- Retention of initial carbon credits allow future potential revenue





Corporate NAV Summary and Sensitivity	<b>y</b>		UM	IM Advisory					
Avg. Nickel Price over LOM US\$/lb		\$ 8.00	\$	9.00	\$	10.00			
Operating Cost as percentage of FS Est.		<b>120</b> %		110%		100%			
Forecast C\$/US\$ FX Rate		1.40		1.30		1.20			
Attributable to Crawford at, US\$MM									
	NAV 8%	\$ 984	\$	2,776	\$	4,461			
	NAV 10%	\$ 422	\$	1,829	\$	3,140			
	NAV 12%	\$ 42	\$	1,177	\$	2,224			
Corporate Adjustments, US\$M		\$ 258	\$	258	\$	258			
Corporate NAV10%, US\$M		\$ 680	\$	2,087	\$	3,398			
Corporate NAV10%, C\$M		\$ 952	\$	2,713	\$	4,077			
Corporate NAV, C\$/FD Share		\$ 2.78	\$	7.93	\$	11.92			
Current Price / Corporate NAV		 0.6 x		0.2 x		0.1 x			
Target Price / Corporate NAV		1.3 x		0.4 x		0.3 x			
UM Advisory Target Price 0.6x NAV10%		\$ 1.67	\$	4.76	\$	7.15			



# **Comparable Companies Analysis**



- The average of P/NAV of select mining companies is 0.36x, not only is Canada Nickel trading at a discount to this but is also at a discount to Magna Mining (0.22x) and Talon Metals (0.19x)
- Applying a 0.36x multiple to Canada Nickel's NAV yields a target price of \$2.85

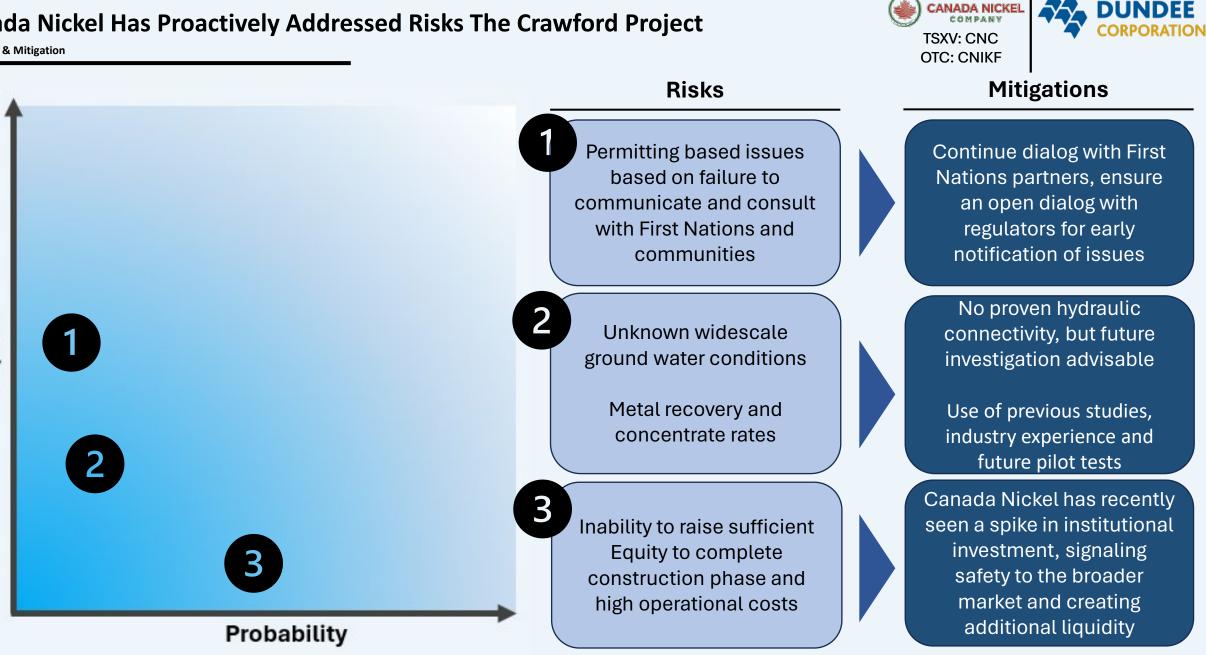
					<u>Capitalizatoin</u>		Size		<u>Valuation</u>		
		S	hare	Diluted		Equity	Enterprise	NAV/s	Resource	Price /	EV /
Company Name	Ticker	F	Price	Shares		Value	Value	\$C M	(Mt)	NAV	Resource
Foran Mining Corporation	FOM CN Equity	\$	4.25	304.7	\$	1,295	\$ 1,190	\$ 3.37	262	1.26 x	4.54 x
Western Copper and Gold Corporation	WRN CN Equity	\$	1.48	166.0	\$	246	\$ 213	\$ 4.65	2,259	0.32 x	0.09 x
Talon Metals Corp	TLO CN Equity	\$	0.15	932.3	\$	140	\$ 135	\$ 0.80	17	0.19 x	7.91 x
Excelsior Mining Corp	MIN CN Equity	\$	0.14	313.6	\$	44	\$ 59	\$ 0.69	782	0.20 x	0.07 x
Magna Mining	NICU CN Equity	\$	0.40	163.4	\$	65	\$ 49	\$ 1.83	32	0.22 x	1.54 x
FPX Nickel Corp.	FPX CN Equity	\$	0.32	273.9	\$	86	\$ 56	\$ 1.20	2,154	0.26 x	0.03 x
Highland Copper Company Inc.	HI CN Equity	\$	0.09	736.4	\$	66	\$ 27	\$ 0.29	1,225	0.31 x	0.02 x
Wolfden Resources Corporation	WLF CN Equity	\$	0.06	164.8	\$	10	\$ 8	\$ 0.40	9	0.15 x	0.96 x
Median			0.9	381.9	\$	244	\$ 217	\$ 1.65	842.4	0.36 x	1.90 x
Canada Nickel Co.	CNC CN Equity		1.41	161.533	\$	228	\$ 223	\$ 7.93	1,715	<b>0.18 x</b>	0.96 x



## **Canada Nickel Has Proactively Addressed Risks The Crawford Project**

**Risks & Mitigation** 

Impact





DUNDEE

# **Crawford Mine Challenges**

**Risks & Mitigation** 



# Mitigations

• Further data collection for large pit excavation.

- Stripping of overburden before ore mining.
- No proven hydraulic connectivity, but future investigation advisable.



#### Processing

**Operations** 

Excavation of overburden, and water

**Risks** 

Construction

Low density of structural, rock mass, and

hydrogeological input data for planned pit.

• Fibrous materials, which may impact water inflow

• Technologies employed in plant are commonly available and employed in similar duties. (Consulting)

Despite the risks, Canada Nickel is the most favourable long-term investment position for Dundee Corporation.

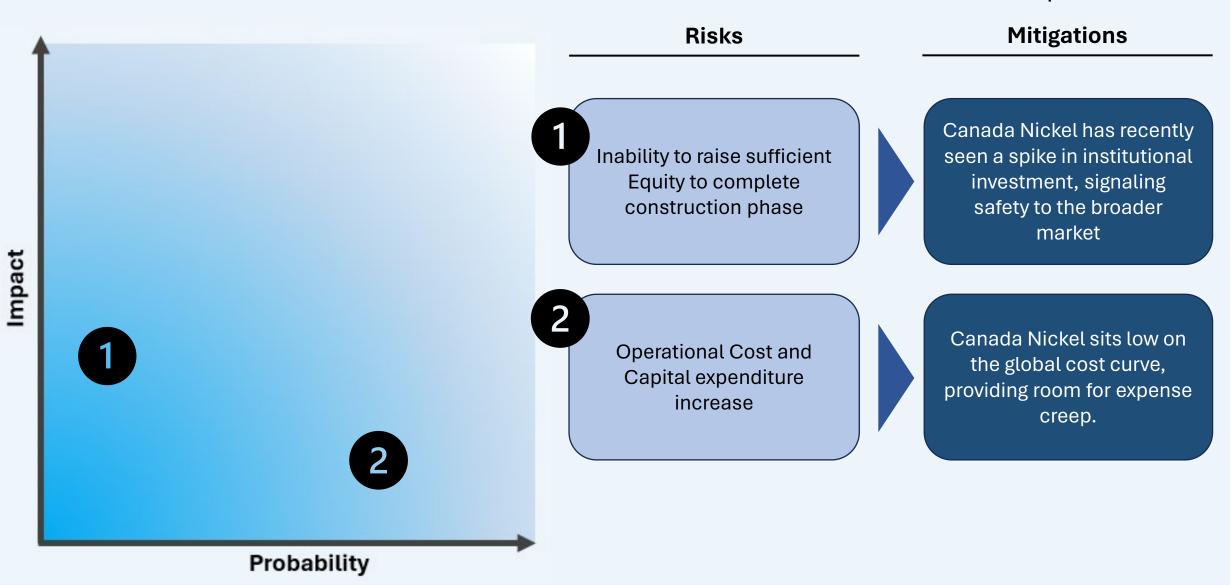


inflow.

**Financial Risk -CNC** 

**Risks & Mitigation** 









# Appendix 2: Additional Geological Information

ESG



Table 1-9: Crawford Mineral Reserves Summary
--

	Grade								
Description	(Mt)	NI (%)	Co (%)	Pd (g/t)	Pt (g/t)	Fe (%)	Cr (%)	Brucite (%)	
Proven	994	0.24	0.013	0.016	0.010	6.37	0.59	1.75	
Probable	721	0.20	0.012	0.012	0.009	6.53	0.54	1.41	
Proven + Probable	1,715	0.22	0.013	0.014	0.009	6.44	0.57	1.61	
Description			Contained Metal						
Description	-	Ni (kt)	Co (kt)	Pd (koz)	Pt (koz)	Fe (Mt)	Cr (kt)	Capture	
Proven	-	2,345	125	498	311	63	5,892	33	
Probable	-	1,444	89	278	208	47	3,895	22	
Proven + Probable	-	3,789	215	777	519	110	9,787	54	

Notes: "Reported at a cut-off value of C\$9.00 per pound and within an engineered pit design based on an LG optimized pit shell using metal prices of 13,650/t Ni, \$26,000/t Co, \$58/t iron ore, \$2,500/t Cr, \$878/oz Pd and \$748/oz Pt; average metallurgical recoveries of 41% Ni, 11% Co, 53% Fe, 28% Cr, 48% Pd and 22% Pt; marginal processing and G&A costs of \$6.10/t milled; a long-term exchange rate of C\$1.00 equal \$0.76; overall pit rock slopes of 43° to 54° depending on the sector; and a production rate of 120 kt/d. Mineral reserves include unplanned dilution of 2.0%. The proven reserves are based on measured resources while probable reserves are based on indicated resources. All figures are rounded to reflect the relative accuracy of the estimates. Some error in totals may be present due to rounding.

Reserves are contained within an engineered pit design based upon a Lerchs-Grossmann (LG) pit optimization run at a revenue factor (RF) 65% of the base case prices, or \$13,650/t Ni, \$26,000/t Co, \$58/t iron ore, \$2,500/t Cr, \$878/oz Pd, and \$748/oz Pt.





	<b>T</b>	Grade							Contained Metal								
Class	Tonnage (Mt)	Ni (%)	Co (%)	Fe (%)	S (%)	Cr (%)	Brucite (%)	Pd (g/t)	Pt (g/t)	Ni (kt)	Co (kt)	Fe (Mt)	S (kt)	Cr (kt)	Brucite	Pd (koz)	Pt (koz)
Measured + Indicated	1,034.6	0.23	0.013	6.31	0.06	0.60	1.25	0.012	0.009	2,363.0	129.6	65.3	646.5	6,225.9	N/A	406.1	289.9
Inferred	157.3	0.23	0.013	6.25	0.07	0.60	0.98	0.010	0.007	367.1	20.0	9.8	113.3	939.8	N/A	50.9	37.1

Source: Caracle Creek, 2023.

#### Table 1-8: Summary of the Pit-Constrained Initial Main-West Zone Mineral Resource Estimate

	T	Grade						Contained Metal									
Class	Tonnage (Mt)	Ni (%)	Co (%)	Fe (%)	S (%)	Cr (%)	Brucite (%)	Pd (g/t)	Pt (g/t)	Ni (kt)	Co (kt)	Fe (Mt)	S (kt)	Cr (kt)	Brucite	Pd (koz)	Pt (koz)
Measured + Indicated	1,527.2	0.24	0.013	6.91	0.07	0.58	2.33	0.016	0.010	3,672.3	200.6	105.6	1,041.9	8,840.5	N/A	782.6	492.8
Inferred	1,535.8	0.22	0.013	7.16	0.04	0.57	2.21	0.011	0.009	3,359.2	202.0	110.0	578.7	8,734.1	N/A	542.7	459.0

Source: Caracle Creek, 2023.

Note: The mineral resources stated herein are not mineral reserves, as they do not have demonstrated economic viability.



ESG



		Crawfor	rd FS	Crawford	Variance: FS vs PEA		
Mining & Milling	units	Phase 1 -2	LOM	PEA	Phase 1 -2	LOM	
Life	years	30	41	25	+20%	+64%	
Ore Mined	Mt	1,700	1,715	907	+87%	+89%	
Ore Milled	Mt	1,230	1,715	907	+36%	+89%	
Recovery							
Nickel Recovery	%	46%	41%	37%	+23%	+10%	
Cobalt Recovery	%	14%	11%	8%	+69%	+38%	
Palladium & Platinum Recovery	%	39%	38%	n/a			
Iron Recovery	%	56%	53%	36%	+54%	+46%	
Chromium Recovery	%	29%	28%	27%	+8%	+5%	
Annual Production							
Recovered Nickel	Ktpa	45	38	34	+33%	+12%	
Recovered Cobalt	Ktpa	0.7	0.6	0.4	+89%	+55%	
Recovered Palladium & Platinum	Kozpa	13	12	n/a			
Recovered Iron	Mtpa	1.5	1.4	0.9	+70%	+65%	
Recovered Chromium	Ktpa	71	67	59	+22%	+14%	

## The feasibility study had multiple improvements to the PEA in mine life and recoveries.



ESG



### Nickel Recovery Comparison

Description	Years 1 - 5	Years 1 - 25	Life of Mine
Feasibility	47.1%	44.2%	41.2% (41 years)
PEA	46.7%	37.3%	37.3% (25 years)
Difference	0.4%	6.9%	3.9%

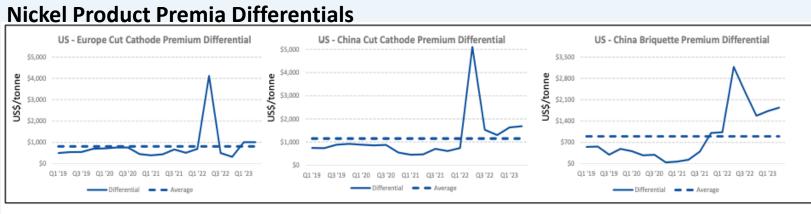
Compares the life of mine recoveries for nickel, cobalt, iron, and chromium for the feasibility study and the PEA. In addition to the nickel recovery gains, significant improvements in cobalt, chromium and particularly iron recovery have been achieved.

The feasibility study had multiple improvements to the PEA in mine life and recoveries.





CNC believes that, for a North American based conventional downstream processor, the higher costs associated with refining Crawford concentrate would be offset by regional premia for end products (Figure 19-4) and/or the much lower cost roast reduction/reduction process could be employed.



Source CRU Nickel Monitor, August 2023.

Asian processing facilities also face the market challenge of lower finished product premiums than are available in North America and Europe (Figure 19-4). The combination of the logistics challenges, the lower market premiums, and limits on MgO result in payabilities from these smelters for third-party concentrates in the 70% to 80% range. Given the availability of other higher value concentrate processing alternatives, these smelters have not been included in the analysis.





In the event Crawford were charged an all-in TC that aimed to capture the entirety of costs incurred by its higher grade concentrate, payability for Ni and Co in the nickel concentrate could be reduced as low as 85.6% and 23%, respectively.

Parameters underpinning these payabilities include:

•life-of-mine average concentrate grades of 34% Ni, 0.7% Co and 11% MgO

•metal prices of \$21,000/t Ni and \$40,000/t Co

- •full cost TCs of \$180/t and RCs of \$0.83/lb N and \$4.00/lb Co
- •MgO penalty of \$2.50/t for grades higher than 6%.

•The lower payabilities would reduce NPV and IRR by \$325 million and 1.2%, respectively.



## **Crawford Nickel Recovery: Ultramafic Deposits and Cheap Bulk Tonnage** ESG

The main value-driving commodity for the Crawford project is nickel, which is hosted in recoverable ٠ forms in the minerals pentlandite, heazlewoodite and awaruite, or in unrecoverable form within the matrix of the gangue silicate minerals.

Portion of the nickel is locked within the gangue minerals so nickel recoveries achieved from Crawford ores are lower than those achieved in higher grade projects, such as those close to Sudbury.

While this is often viewed as a detriment to ultramafic projects, ultramafic deposits are generally close to surface and this allows for cheaper bulk tonnage open pit mining, and the mineralogy can support the production of higher grade nickel concentrates.







The Crawford project will produce two concentrates: a nickel sulphide concentrate ("nickel concentrate") and an iron and chromium concentrate ("FeCr concentrate") that also contains some nickel.

The nickel concentrate is produced in the flotation circuit through recovery of nickel sulphide minerals, mostly heazlewoodite and pentlandite. This concentrate will be the highest nickel grade concentrate available on the market when in production with a life of mine forecast concentrate average grade of 34% nickel and 0.7% cobalt. The nickel concentrate is expected to be sold into the battery production chain.

The FeCr concentrate, which is produced in the magnetic recovery circuit through recovery of the minerals: magnetite, chrome-spinel and awaruite2, contains iron, chromium and nickel and is expected to be sold to a steel melt shop as a primary feed for steel production. If the steel plant were to be co-located in Timmins, the emissions from smelting could be captured and stored at Crawford to produce low or zero carbon primary steel.



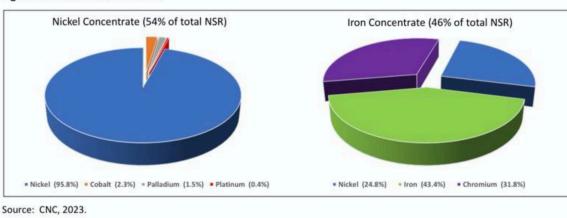




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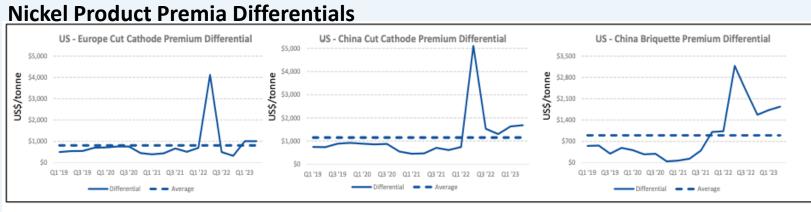








CNC believes that, for a North American based conventional downstream processor, the higher costs associated with refining Crawford concentrate would be offset by regional premia for end products (Figure 19-4) and/or the much lower cost roast reduction/reduction process could be employed.



Source CRU Nickel Monitor, August 2023.

Asian processing facilities also face the market challenge of lower finished product premiums than are available in North America and Europe (Figure 19-4). The combination of the logistics challenges, the lower market premiums, and limits on MgO result in payabilities from these smelters for third-party concentrates in the 70% to 80% range. Given the availability of other higher value concentrate processing alternatives, these smelters have not been included in the analysis.



ESG



Mineral Resource Classification	Tonnes (000's)	Ni (%)	Cu (%)	Co (%)	Pt (g/t)	Pd (g/t)	Au (g/t)	Fe in sulphides (%)	NiEq (%)
Total Indicated	8,564	1.73	0.92	0.05	0.34	0.21	0.17	8	2.34
Total Inferred	8,461	0.83	0.55	0.02	0.23	0.13	0.13	3	1.19

Significant increase in Mineral Resource Estimate



ESG



The total reserves for the Shakespeare Project are shown in Table 15-4 and Table 15-5.

## Table 15-4: Shakespeare Project Proven and Probable Reserves – January 28, 2022

Reserve Category	Tonnes (Mt)	Ni %	Cu %	Co %	Pt g/t	Pd g/t	Au g/t
Proven	-	-	-	-	-	-	-
Probable	11.87	0.22	0.35	0.02	0.32	0.36	0.18
Total Proven + Probable	11.87	0.33	0.35	0.02	0.32	0.36	0.18

Table 15-5: Shakespeare Project Mineral Reserves – January 28, 2022

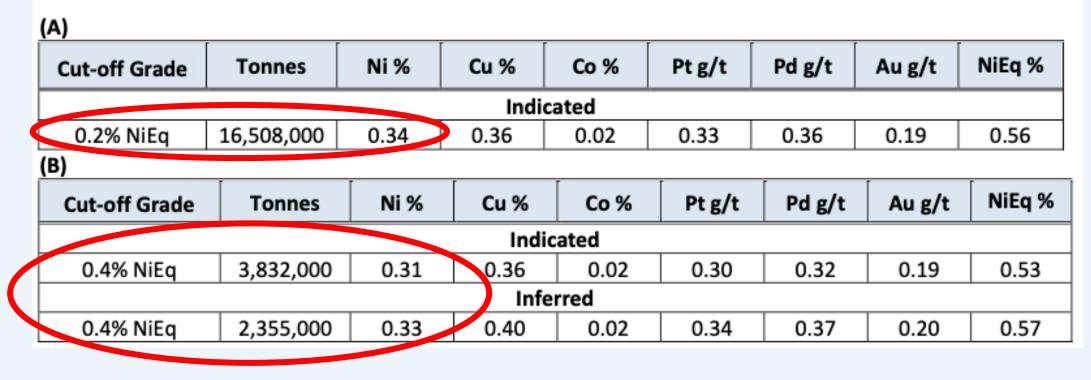
	Reserves					Contained Metal				
Ore/Metal	Units	Proven	Probable	Total	Units	Proven	Probable	Total		
Ore	Mt	-	11.87	11.87	Mt	-	11.87	11.87		
Nickel	%	-	0.33	0.33	M lbs	-	85.6	85.6		
Copper	%	-	0.35	0.35	M lbs	-	91.1	91.1		
Cobalt	%	-	0.02	0.02	M lbs	-	5.4	5.4		
Platinum	g/t	-	0.32	0.32	K oz	-	122.2	122.2		
Palladium	g/t	-	0.36	0.36	K oz	-	135.7	135.7		
Gold	t/t	-	0.18	0.18	K oz	-	68.9	68.9		







Table 14-12: Shakespeare Deposit Open Pit (A) and Underground (below-pit) (B) Mineral Resource Estimate June 1, 2021

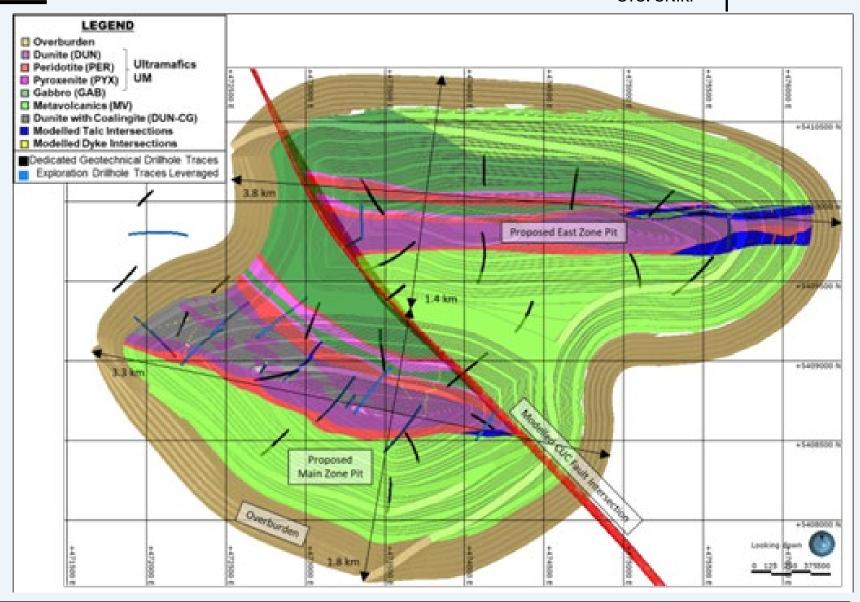






Valuation

CANADA NICKEL COMPANY TSXV: CNC OTC: CNIKF



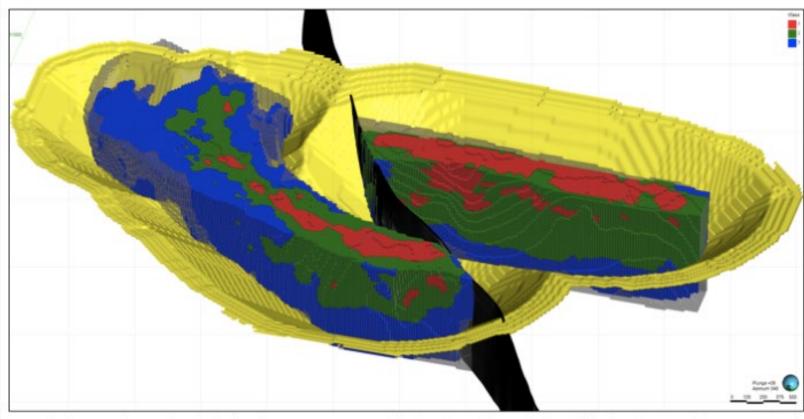


## **Dimensions of the Crawford Project**

Valuation



Figure 14-48: Main-West and East Zone 3D View Looking North-Northwest



Note: The theoretical pit surface (yellow) is shown against measured (red), indicated (green), inferred (blue) and potential (transparent grey) blocks for all estimation domains. The regional fault zone is represented by the black volume. Source: Caracle Creek, 2023.

The pit shell was generated under the supervision of David Penswick, who is the Qualified Person for the mine design and economic analysis components of the study, using the Lerchs-Grossmann (LG) algorithm, As discussed in Section 15.4, the LG algorithm is the industry standard tool used to define the limits of an open pit.

- Specific inputs to the LG algorithm are discussed at length in Sections 15.3, 15.4, and 16.2. Key inputs include the following (note: except where stated otherwise, prices are in US dollars)
- nickel price of \$21,000 and payability of 91% (Ni generates 63% of total metal revenue)
- iron price and payability equivalent to an iron ore price of \$89/t (Fe generates 20% of total metal revenue)
- chromium price of \$1.75/lb and payability of 65% (Cr generates 15% of total metal revenue)
- total marginal costs (process, G&A and water management) of C\$9.21/tonne milled.



Nickel concentrate from the Crawford Project

Valuation

