

**CANADA NICKEL COMPANY—CRAWFORD NICKEL SULPHIDE PROJECT  
CRAWFORD PROJECT - PRESENTATION AND ENGAGEMENT ACTIVITIES  
NORTHERN COLLEGE MEETING REPORT**

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MEETING INFORMATION	
DATE	June 17 <sup>th</sup> , 2021
TIME	3:00pm to 4:35pm
LOCATION	Videoconference—MICROSOFT TEAMS
PARTICIPANTS	Northern College
	<input type="checkbox"/> Audrey J. Penner, President & CEO <input type="checkbox"/> David Francis, Dean, Trades, Technology and Apprenticeships <input type="checkbox"/> Aaron Klooster, Vice President Academic and Student Success <input type="checkbox"/> Christine Heavens, Executive Director Community Business Development and Employment Services
CANADA NICKEL	<input checked="" type="checkbox"/> Pierre-Philippe Dupont, Vice President Sustainability
FACILIATION	<input checked="" type="checkbox"/> Isaac Gauthier, Facilitator – Transfer Environment and Society (TES)
OBJECTIVES	<input type="checkbox"/> Present the Crawford Project, the Preliminary Economic Assessment (PEA) and Canada Nickel’s proposed preliminary engagement process <input type="checkbox"/> Discuss participant interests, expectations, and concerns regarding the Crawford Project and the proposed preliminary engagement process
MEETING HOLDER	Canada Nickel Company
AGENDA	<ol style="list-style-type: none"> <li>1. Canada Nickel Overview</li> <li>2. Why Nickel &amp; Crawford Project Overview</li> <li>3. First Nation Partnerships</li> <li>4. Federal Impact Assessment Process</li> <li>5. Community &amp; Stakeholder Engagement</li> <li>6. Preliminary Project Timeline</li> <li>7. Next Steps</li> </ol>

## MEETING HIGHLIGHTS

ISSUES AND CONCERNS	
✓ Northern College	<input type="checkbox"/> Canada Nickel's labour and training needs
✓ Northern College	<input type="checkbox"/> Concern that ensuring the local workforce can meet Canada Nickel's needs
✓ Northern College	<input type="checkbox"/> General labour and workforce challenges

SUGGESTIONS	
✓ Northern College	<input type="checkbox"/> Share Canada Nickel's labour and training needs to ensure the Northern College can adjust its training program accordingly
✓ Canada Nickel	<input type="checkbox"/> Hold joint discussions with the mining industry to discuss workforce training, including for local Indigenous workers

FOLLOW-UPS	
✓ Northern College	<input type="checkbox"/> Share letter of support templates and background information regarding the two calls for proposals
✓ Northern College	<input type="checkbox"/> Establish fully integrated partnerships with Canada Nickel to ensure student training and ease of integration
✓ Canada Nickel	<input type="checkbox"/> Share the meeting presentation and Expectations & Interests Questionnaire

GENERAL COMMENTS	
✓ Northern College	<input type="checkbox"/> Northern College has connections with the community and electric vehicle batteries development
✓ Northern College	<input type="checkbox"/> Northern College will soon offer a community-based environmental impact training, built in partnership with Indigenous groups and expertise
✓ Northern College	<input type="checkbox"/> Early engagement opportunities with Canada Nickel are appreciated
✓ Northern College	<input type="checkbox"/> The more Canada Nickel shares information, the better the feedback will be

## 1. INTRODUCTION & ROUNDTABLE

The meeting begins with a short roundtable of the participants. The participants highlight how Northern College works closely with the mining industry to ensure the local workforce can meet industry needs.

Pierre-Philippe Dupont, Vice-President Sustainability at Canada Nickel initiates the meeting with a brief introduction of his background, while explaining that Canada Nickel has reached out to Northern College because the company is fast-tracking the project and as thus, is initiating engagement activities at the earliest opportunities. He continues with an overview of the meeting’s objectives and agenda.

Mr. Dupont openly invites the participants to share questions or comments at will during the presentation. He further mentions that the presentation will be shared electronically after the meeting, along with an anonymous questionnaire. For details regarding the presentation, please refer to the Appendix.

No questions or comments are raised by the participants.

## 2. CANADA NICKEL OVERVIEW

Mr. Dupont provides the context regarding the Canada Nickel Company, the full owner of the Crawford Project. He highlights the company’s intention of being a new generation and benchmark mining proponent, with regards to the project’s environmental and social impacts, economic benefits, and proactive engagement with the community. He mentions that with new generation mining projects, the industry has a shot at renewing and redefining itself.

Mr. Dupont briefly shares details about the company’s board and management team, including some of its past successful projects, namely the Dumont Project and the Detour Lake Project. He further highlights the importance of Environmental, Social and Governance (ESG) management on the Company’s board, which he mentions is core to Canada Nickel’s identity.

QUESTIONS AND INTERVENTIONS		ANSWERS
<b>Q &amp; I 1</b>	A participant asks what the ING abbreviation means in the presentation.	Mr. Dupont mentions that it refers to engineer in French.

## 3. NICKEL & CRAWFORD PROJECT OVERVIEW

Mr. Dupont mentions that there is growing demand for nickel, as it is the most precious of base metals and an important component of existing and future electric vehicle battery development and stainless-steel. Canada Nickel believes that this will create strong demand for the metal, in part because of the government intentions regarding electric transportation and the energy transition. He adds that the current demand for nickel already surpasses existing supply because of the growth in the stainless-steel industry. Hence, nickel is likely entering a “super cycle”, which Canada Nickel will try to meet and fill the expected gap in the nickel supply.

Mr. Dupont mentions that the Crawford deposit will be among the least greenhouse gas (GHG) intensive nickel projects, partly because of the project’s design but also because of the local geological signature (low-grade nickel sulphide deposit). He mentions that these characteristics make Canada Nickel a strong contender to meet

global demands for sustainable nickel, especially in the context of little increase to nickel supplies in the short or medium term, as expected by major mining proponents like Glencore.

Mr. Dupont adds that Crawford is only one large scale project among other potentially interesting deposits that are owned by Canada Nickel in the area. The project will necessitate a partial displacement of the Highway 655 and the two existing powerlines in the area. He adds that because of the existing local infrastructure (roads, rails, water supply and power supply) and rich mining history in Timmins, Canada Nickel is well positioned to have a successful mining project, without any mining camps. He further adds that Canada Nickel has a memorandum of understanding with Glencore to potentially use the Kidd Creek mill, as it has remaining mill capacity. The company is specifically looking to use a mill line as a pilot plant, prior to building the main project.

He mentions that to the contrary of local gold projects, Canada Nickel’s waste rock and tailings would not turn acidic when exposed to oxygen, as they are one of the few known natural carbon sinks. Canada Nickel will look to optimize this natural phenomenon to reduce its GHG emissions. This is one of the major ways Canada Nickel is looking at to make the Crawford Project carbon neutral. He reiterates that even without being carbon neutral perspective, the Crawford Project will still be on the lowest end of GHG emissions for nickel production in the world. To achieve net-zero emissions, Canada Nickel is currently analyzing different avenues, including mine electrification and the optimization of the carbonation process (geological signature as a carbon sink). A partnership with Queens University has been established regarding the latter point.

In terms of the project, Mr. Dupont mentions that it would be the largest base metal plant in Canada, at an eventual total of 120 000 tonnes per day. To this effect, the recent Preliminary Economic Assessment (PEA) has demonstrated that the project has robust economics, since larger scale nickel projects are generally more feasible. With the addition of other local deposits, the mine’s life could extend to 40 years. He mentions that other opportunities could also be further added to the project’s feasibility, like downstream processing for nickel salts or a stainless-steel plant, which would further improve the project’s economics. These opportunities will be further assessed in the feasibility study.

Mr. Dupont presents the project layout, including the various infrastructure. He highlights the size of the project, with the significant amount of overburden. He mentions that Canada Nickel will look to minimize the mine’s footprint to the maximum, for environmental and economic reasons.

QUESTIONS AND INTERVENTIONS		ANSWERS
<b>Q &amp; I 2</b>	A participant mentions that the PEA numbers are quite large. She asks what the labour needs will look like, to ensure the Northern College can assist the project.	Mr. Dupont answers that, if we refer to the Dumont Project, there should be a maximum of 1200 workers for the construction phase and approximately peaking to 500 when in operation. In his sense, Canada Nickel will need less workers, but the labour force will need to be specifically trained because of the automation of mines and the new mining technologies.

		He adds that the feasibility study will provide more information with regards to training and labour needs.
<b>Q &amp; I3</b>	<p>A participant mentions that Northern College has connections with the community and the electric vehicle batteries industry. He assumes that the labour needs for an open pit will be similar to current open pit activities in the Timmins area (surveying, heavy equipment, etc.).</p> <p>He concludes by saying that early discussions are appreciated.</p>	Mr. Dupont acknowledges the participants comments.
<b>Q &amp; I4</b>	<p>A participant emphasizes the importance of early engagement, to ensure that the workforce's skill sets meet industry's needs.</p> <p>He adds that the labour pool availability will be a challenge since it already is. From his point of view, the solutions lie in partnerships with education centers to improve labour access for immigrants and member of Indigenous groups.</p> <p>Another participant mentions that the sooner Canada Nickel can share the relevant information, the faster the Northern College can act upon the information and meet the company's needs.</p>	<p>Mr. Dupont mentions that he appreciates the support and the willingness to engage early on. He adds that Canada Nickel will look to establish downstream processing of nickel in the Timmins area, including a stainless-steel plant, but also other opportunities like nickel salts and battery development.</p> <p>From his perspective, this will require a highly qualified workforce.</p>
<b>Q &amp; I5</b>	<p>A participant further adds that the Northern College will look to establish fully integrated partnerships with students to ensure training and ease of integration into the mining industry.</p> <p>A participant thanks Mr. Dupont as she must leave for another meeting. She adds that her colleagues are the experts</p>	<p>Mr. Dupont thanks the participant for her participation.</p> <p>He further mentions that he is familiar with such partnerships and has seen its success in previous projects, especially with Indigenous groups. He adds that Indigenous training will be of particular importance, even though the</p>

	on ensuring labour needs meet training plans.	concerned nations are not necessarily close to the project site.
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#### 4. FIRST NATION PARTNERSHIPS

Mr. Dupont presents the current partnerships with local Indigenous Nations, namely with Matachewan First Nation, Mattagami First Nation and Taykwa Tagamou Nation. He mentions that negotiations with Matachewan and Mattagami, both part of the Wabun Tribal Council, are within the framework of a traditional Impact and Benefit Agreement, which is aimed to be signed within the next year. The Wabun Tribal Council is very familiar with this process, as they have signed many such agreements in the past.

For Taykwa Tagamou Nation, the community has chosen a non-traditional business approach with Canada Nickel by providing electricity and financing the hauling fleet for the project, which would significantly reduce the capital costs of the fleet, as Indigenous groups have accessed to better financing conditions.

Overall, Mr. Dupont mentions that the discussions and negotiations have been positive and constructive. Discussions are ongoing regarding the framework within which local Indigenous groups will manage the preparation of the relevant documents and reports that will feed into the Crawford Project’s Impact Assessment.

No questions or comments were raised by the participants.

#### 5. FEDERAL IMPACT ASSESSMENT PROCESS

Mr. Dupont mentions that the Crawford Project will likely trigger both the federal Impact Assessment Process and the Ontario approval process, but the company will only need to do one Impact Assessment, under the federal process. He adds that the Impact Assessment will be comprehensive and address various topics and issues related to the project, including its social-economic and health determinants. The process also gives more opportunities regarding Indigenous and community engagement. He mentions that Canada Nickel’s team is familiar with these requirements, as they have been in use in Quebec for many years, despite the relative novelty of the federal process.

Mr. Dupont further mentions that Canada Nickel has already initiated environmental baseline studies with its consultants, with many ongoing and/or planned over the summer.

QUESTIONS AND INTERVENTIONS		ANSWERS
<b>Q &amp; I 6</b>	A participant mentions that the board of governors of the Northern College has developed a community-based environmental impact assessment training, built in partnership with Indigenous groups and environmental expertise. The training will be available shortly and has met significant local enthusiasm so far.	<p>Mr. Dupont highlights the usefulness of the training, as two to three Indigenous members will assist Canada Nickel with its environmental monitoring. They will need to be trained though, as quickly as possible.</p> <p>Mr. Dupont mentions that a template of such a letter of support would be the most efficient way to work.</p>

	The participant mentions that a letter of support from Canada Nickel regarding this type of training would be appreciated, as there is an ongoing call for proposals to obtain financial support for such training. The call for proposals is due to end in the next three weeks.	
<b>Q &amp; I 7</b>	<p>A participant mentions that there is another call for proposal to be sent out quickly, in collaboration with all northern Ontario colleges, to develop leadership in short, micro-training in environmental sustainability and stewardship.</p> <p>A letter of support from Canada Nickel would also go a long way for this project. This opportunity would also open free training opportunities for Canada Nickel.</p>	Mr. Dupont agrees with the idea, mentioning that he has acted in this field personally in the past at the Université du Québec en Abitibi-Témiscamingue (UQAT).

## COMMUNITY & STAKEHOLDER ENGAGEMENT

Mr. Dupont reiterates that Canada Nickel is looking to initiate a benchmark project, similar or better to what the team accomplished in terms of engagement with the Dumont Project in Quebec. He adds that the success of such an endeavour will largely depend on the quality of its engagement activities with the community and stakeholders and how those activities meet local expectations and interests.

Mr. Gauthier presents the proposed pre-consultation approach to build a community-validated Engagement Plan and the upcoming engagement steps over the Summer and into the Fall.

No questions or comments were raised by the participants.

## 6. PROJECT TIMELINE & NEXT STEPS

Mr. Dupont presents the overall Project Timeline, highlighting its ambitiousness and fast pace. He mentions that the Impact Assessment Process will last at least three years and could last up to five or six.

Mr. Dupont mentions that a new community relations coordinator will soon join the team, which will ensure a more local presence from Canada Nickel in the area. He further mentions that he will also look to be in Timmins as much as possible once the public health context allows it.

QUESTIONS AND INTERVENTIONS		ANSWERS
<b>Q &amp; I 8</b>	<p>A participant mentions that he appreciates the meeting and the early engagement, as it facilitates the process for both the proponent and the college.</p>	<p>Mr. Dupont mentions that he knows that the City of Timmins strongly supports local training initiatives.</p> <p>He further proposes that the college and local mining companies sit together to discuss plans for workforce training, including for local Indigenous workers.</p>
<b>Q &amp; I 9</b>	<p>A participant mentions that the more information is shared, the better the Northern College can help engage with Canada Nickel.</p> <p>She further mentions that she will share a template for a letter of support, in addition to some background for the call for proposals.</p>	<p>Mr. Dupont agrees and thanks the participant for her support.</p>

Mr. Dupont thanks the participants for their time and the meeting ends.



# APPENDIX I PRESENTATION



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# Canada Nickel – Crawford Project

*Delivering the Next Generation  
of Nickel Sulphide Projects*

June 2021





# Cautionary Statements & Disclaimer

This Presentation contains certain information that may constitute "forward-looking information" under applicable Canadian securities legislation about Canada Nickel Company Inc. ("CNC"). Forward-looking information includes statements about strategic plans, including future operations, future work programs, capital expenditures, discovery and production of minerals, price of nickel, timing of geological reports and corporate and technical objectives. Forward-looking information is necessarily based upon a number of assumptions that, while considered reasonable, are subject to known and unknown risks, uncertainties, and other factors which may cause the actual results and future events to differ materially from those expressed or implied by such forward-looking information, including the risks inherent to the mining industry, adverse economic and market developments. There can be no assurance that such information will prove to be accurate, as actual results and future events could differ materially from those anticipated in such information. Accordingly, readers should not place undue reliance on forward-looking information. All forward-looking information contained in this Presentation is given as of the date hereof and is based upon the opinions and estimates of management and information available to management as at the date hereof. CNC disclaims any intention or obligation to update or revise any forward-looking information, whether as a result of new information, future events or otherwise, except as required by law.

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The scientific and technical information contained in this Presentation has been reviewed by Steve Balch, P. Geo, (VP Exploration) and a Qualified Person within the meaning of National Instrument 43-101.

## **Foreign Exchange Assumptions**

All amounts discussed herein are denominated in CAD dollars unless otherwise specified.



- Roundtable & Canada Nickel Overview
- Why Nickel?
- Crawford Nickel Sulphide Project
  - Preliminary Economic Assessment (PEA) Highlights
  - Crawford Site Layout
  - Low Carbon Footprint
  - Environmental and Social Impact Management
- First Nation Partnerships
- Federal Impact Assessment Process
- Community & Stakeholder Engagement
- Preliminary Project Timeline
- Next Steps





- Full ownership of the Crawford Nickel-Cobalt Sulphide Project near Timmins, Ontario.
- Highly experienced management team with leading nickel expertise.
- Successfully permitted Dumont Project in Quebec, with Royal Nickel.
- Intends to be a new generation and benchmark mining proponent:
  - Environmentally Positive
  - Economically Positive
  - Socially Conscious
  - Proactive Community and Indigenous Engagement



# Board and Management Team



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<p><b>David Smith</b> <i>Director</i> P.Eng., C.Dir.</p>	<ul style="list-style-type: none"> <li>Senior VP, Finance and CFO of Agnico Eagle Mines Limited;</li> <li>Chartered Director, Director of Sprott Resource Holdings</li> </ul>	<p><b>Mark Selby</b> <i>Chairman, CEO</i> B.Comm.</p>	<ul style="list-style-type: none"> <li>Previous CEO of Royal Nickel Corporation</li> <li>Corporate development, strategy, business planning and market research Executive with Quadra Mining and Inco</li> <li>Nickel market expert</li> </ul>
<p><b>Francisca Quinn</b> <i>Director</i> M.Sc.</p>	<ul style="list-style-type: none"> <li>Co-founder and President of Quinn &amp; Partners Inc., a recognized advisory firm advancing sustainability in business and capital markets;</li> <li>Previously with Carbon Trust and WSP Global</li> </ul>	<p><b>Wendy Kaufman</b> <i>CFO</i> CPA, CA</p>	<ul style="list-style-type: none"> <li>&gt;25 years of experience leading mining companies in project finance, capital structure, capital markets, accounting and internal controls, tax, financial reporting and public disclosure; completed \$4 billion finance for Cobre Panama</li> </ul>
<p><b>Jennifer Morais</b> <i>Director</i> BA, MBA, CFA</p>	<ul style="list-style-type: none"> <li>&gt;20 years as senior executive in private equity, alternative finance, mining finance and management consulting; previously with TPG Capital, CPPIB, OMERS, Hatch and CIBC</li> </ul>	<p><b>Steve Balch</b> <i>VP, Exploration</i> P.Geo.</p>	<ul style="list-style-type: none"> <li>Geophysicist with 35 years experience specializing in Ni-Cu-PGE deposits including for Inco Limited in the Sudbury Basin and Voiseys Bay</li> <li>Active in developing geophysics technology used in exploration globally</li> </ul>
<p><b>Kulvir Singh Gill</b> <i>Director</i> B.Comm., ICD.D</p>	<ul style="list-style-type: none"> <li>20 years of experience in innovation and sustainability in mining; lead innovation and growth projects for Fortune 500 clients across the mining, O &amp; G and heavy industrial sectors</li> </ul>	<p><b>John Leddy</b> <i>Senior Advisor, Legal</i> LL.B.</p>	<ul style="list-style-type: none"> <li>Senior Advisor, Legal and Strategic Matters at Karora Resources Inc. (formerly RNC Minerals);</li> <li>Over 20 years' experience as a business lawyer and former Partner at Osler</li> </ul>
<p><b>Mike Cox</b> <i>Director</i> B.Sc., MBA</p>	<ul style="list-style-type: none"> <li>Managing Partner at CoDa Associates; previously head of Vale UK and Asian refineries following over 30 years in senior leadership roles in Base Metals with Inco and Vale</li> </ul>	<p><b>Pierre-Philippe Dupont</b> <i>VP, Sustainability</i> M.Sc.</p>	<ul style="list-style-type: none"> <li>&gt;15 years of experience in successfully obtaining environmental, community stakeholder and First Nation approvals for mining projects, including permitting Dumont Nickel and Canadian Malartic; former Director of Sustainability at Glencore</li> </ul>
<p><b>Russell Starr</b> <i>Director</i> MA, MBA</p>	<ul style="list-style-type: none"> <li>Previously in senior roles with RBC Capital Markets, Scotia Capital, Orion Securities, and Blackmont; SVP and Director of Cayden Resources (acquired by Agnico for \$205M)</li> </ul>	<p><b>Christian Brousseau</b> <i>Project Director</i> P.Eng., MBA, ing.</p>	<ul style="list-style-type: none"> <li>30 years of experience with engineering, design and construction in mining, including &gt;6 years as project Director for the Dumont Nickel Project, three years as the Engineering and Construction Manager for Detour Gold</li> </ul>

# Why Nickel?



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- ✓ Growing global demand for nickel from EVs and battery storage technology.
- ✓ Strong demand in more traditional sectors (stainless steel)
- ✓ Nickel potentially entering a super cycle; occurs every 15-20 years.



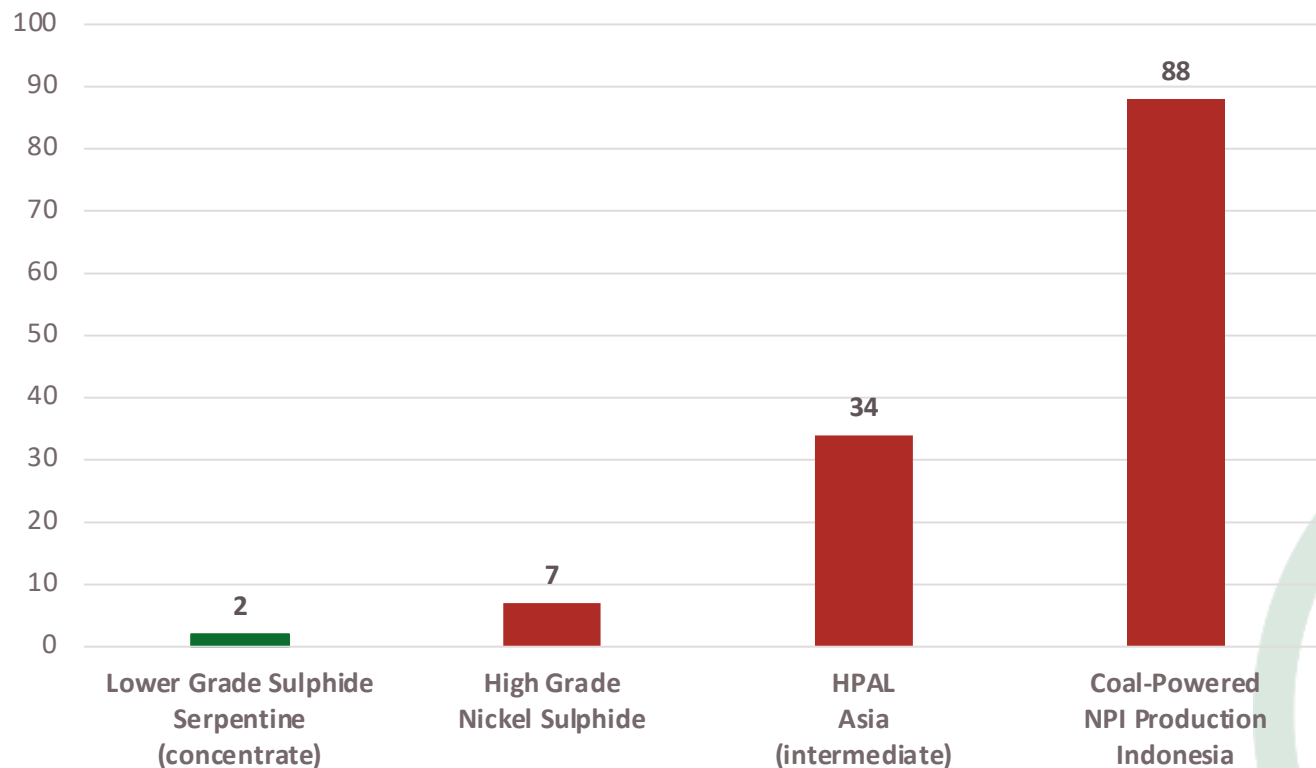
# Tesla: “Please mine more nickel...”



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“...please mine more nickel... Tesla will give you a giant contract for a long period of time if you mine nickel efficiently and in an environmentally sensitive way.” – *Elon Musk, Co-Founder and CEO, Tesla Earnings Call July 22, 2020*

## Estimated Carbon Footprint (tonnes CO<sub>2</sub>/tonne of Nickel produced) Selected Types of Nickel Production – Existing Projects/Producers



Source:  
WoodMac Nickel Industry Costs, Canada Nickel analysis

[www.canadanickel.com](http://www.canadanickel.com)



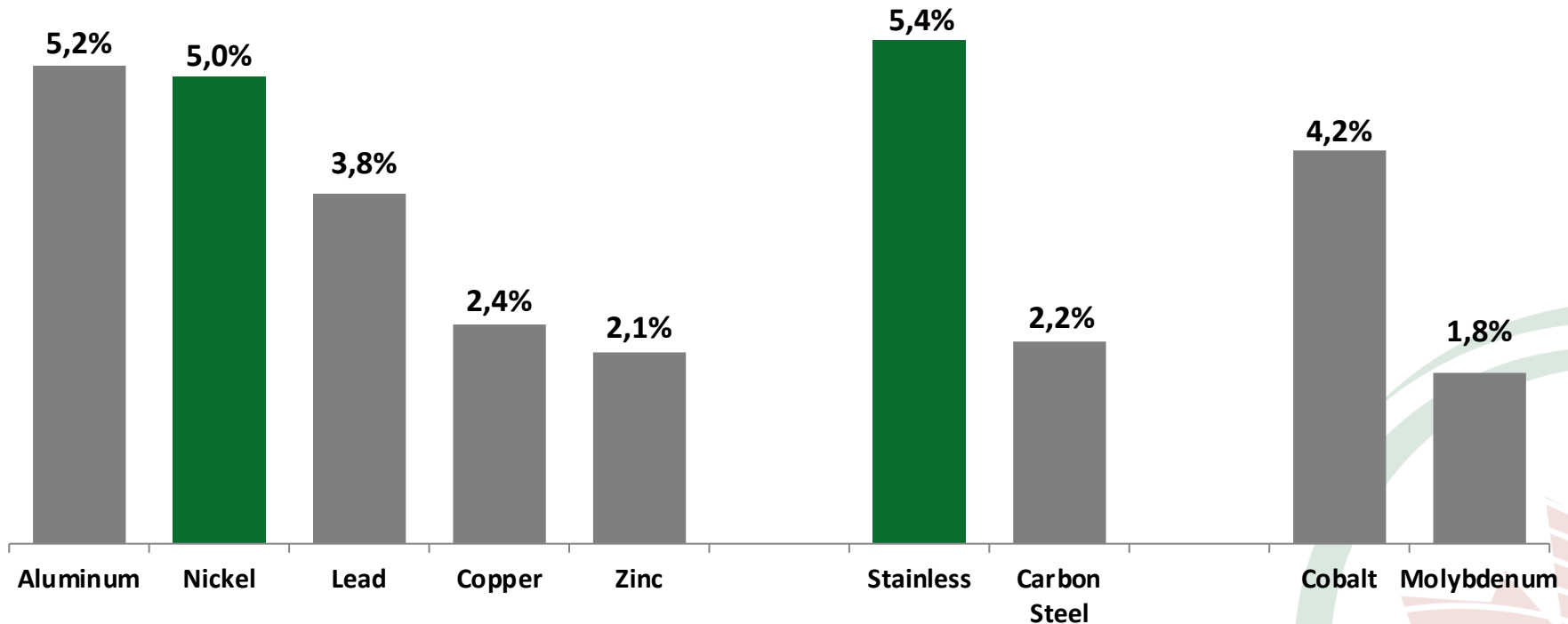
# Nickel Demand: Leader Among Metals



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Nickel demand a leader among metals over the last decade driven by continued strong growth in stainless steel with little contribution from electric vehicles

Base Metals & Other Metals Demand (2007 - 2017)



Source: Macquarie

[www.canadanickel.com](http://www.canadanickel.com)

# Electric Vehicles to Drive Significant Demand Growth

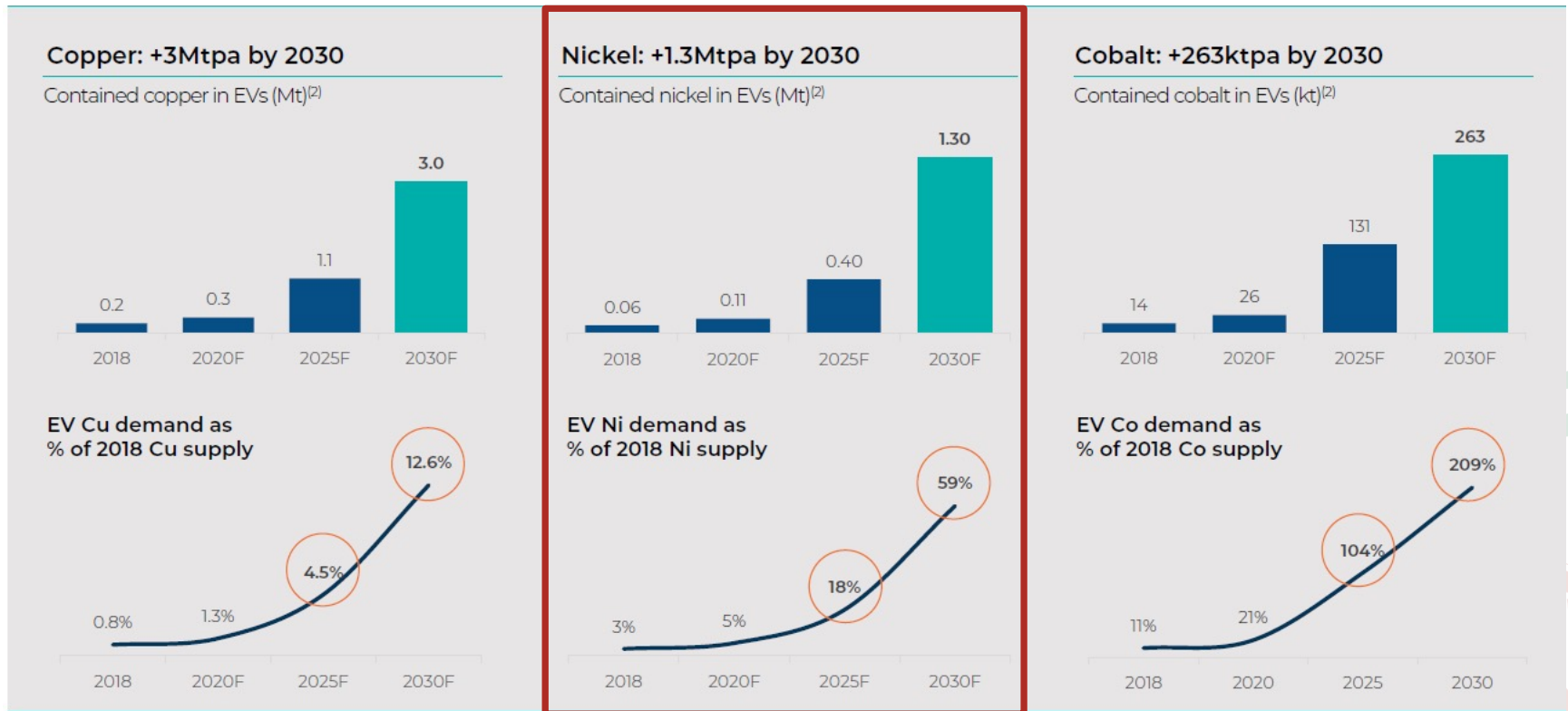


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## Glencore presentation highlight massive growth expected in nickel demand. *Tesla 3TW of annual batteries needs 1+ Mtpa alone!*

Electrification of transport relies on the large scale replacement of ICE with EVs

The mobility transition is a major new source of material demand: >140M EVs forecast on the road by 2030<sup>(1)</sup>



Bank of America Merrill Lynch  
2019 Global Metals, Mining & Steel Conference

Source: (1) BNEF Long-Term Electric Vehicle Outlook 2018. (2) Glencore estimates, Wood Mackenzie, CRU, BNEF. Does not include the copper, nickel or cobalt required for other parts of the EV supply chain including charging infrastructure, energy storage systems, grid

GLENCORE



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# **CRAWFORD NICKEL SULPHIDE PROJECT**

[www.canadanickel.com](http://www.canadanickel.com)



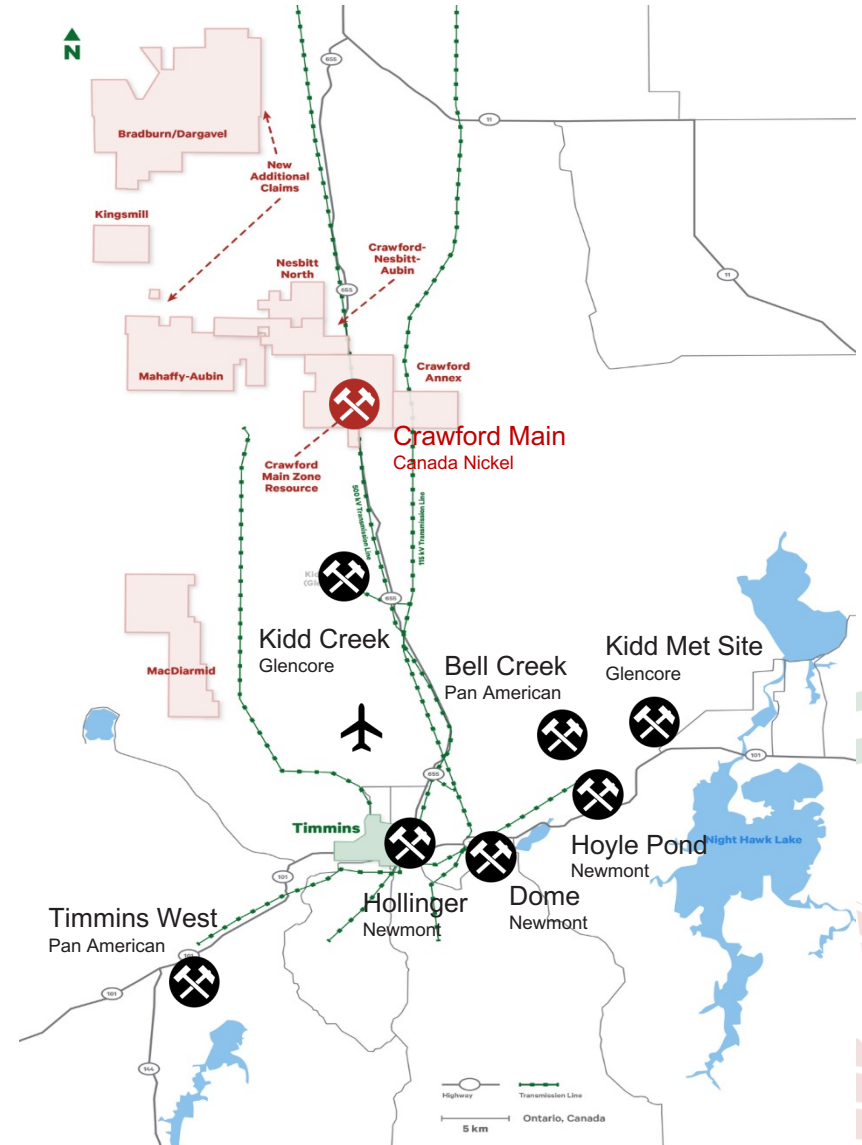
# Crawford Nickel Sulphide Project



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A new nickel discovery with large scale potential and one of the largest nickel sulphide deposits in the world (top ten)

- ✓ **Open pit mine with nearby support infrastructure**
  - Roads, rail, power, water
  - Will necessitate partial displacement of Highway 655 and powerlines
- ✓ **Rich mining history**
  - Skilled local workforce
  - Proximity to contractors and producing mines
- ✓ **Potential to use Glencore's nearby Kidd Creek mill for smaller scale start-up**
- ✓ **Waste rock and tailings naturally absorb CO<sub>2</sub> (non-deleterious).**





The Crawford Project's PEA demonstrates strong financial returns based on a large resource with significant upside potential.

## PEA Highlights

### Robust Economics

- ✓ Capital Expenditures (CAPEX) US\$ 1.2 billion
- ✓ 16% after-tax internal rate of return (IRR)

### Large Scale, Long Life

- ✓ Crawford is expected to be among the top 5 nickel sulphide operations globally (maximum extraction rate 120 000 tonnes/day)
- ✓ 25-year mine life

### Low Cost

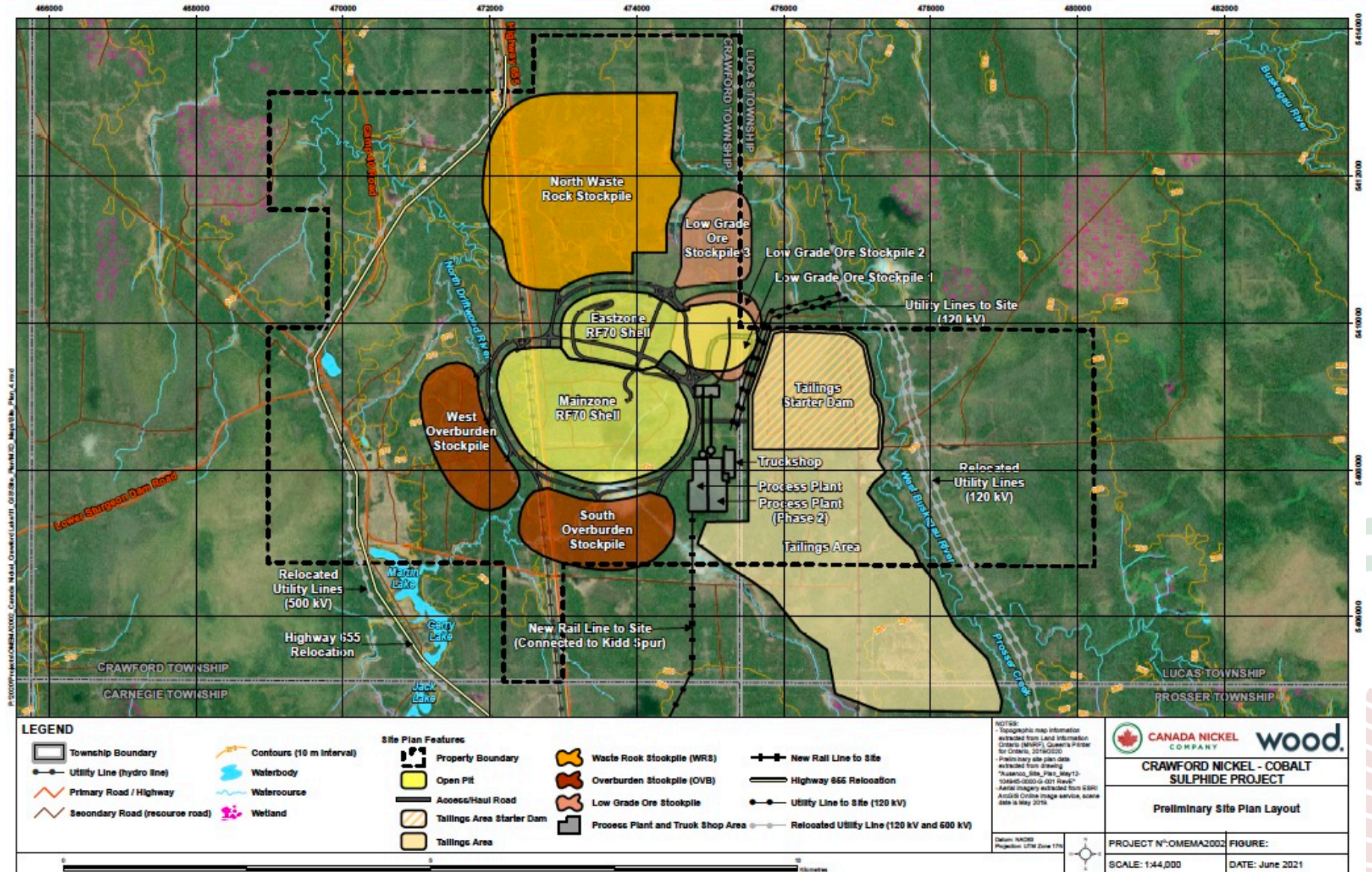
- ✓ Among the lower life-of-mine average net cash costs



# Crawford Site Preliminary Layout



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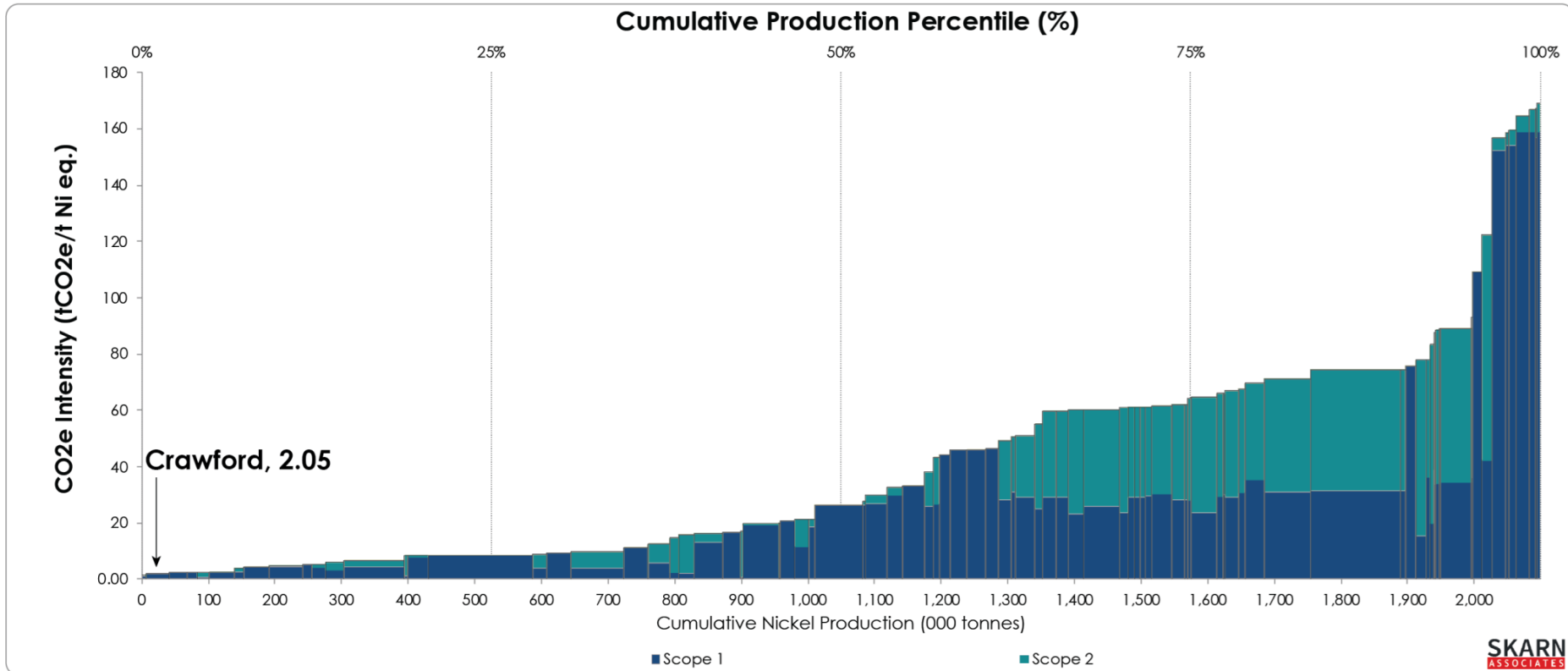
# A Low Carbon Footprint



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Crawford estimate of 2.05 tonnes of CO<sub>2</sub> per tonnes of Ni-eq production, 93% lower than the industry average of 29 tonnes CO<sub>2</sub> and lower than 99.7% of global nickel production

## Nickel GHG Intensity Curve - CO<sub>2</sub>e Intensity (tCO<sub>2</sub>e/t Ni eq.)





## Key technologies are being explored to develop a Zero-Carbon footprint operation

### Mining

- ✓ Electric rope shovels and trolley trucks as a power sources (wherever possible)
- ✓ Ambient CO<sub>2</sub> absorption through natural mineral carbonation process of the waste rock and tailings (exact amount and rate of absorption at Crawford will be analyzed in the upcoming studies)

### Milling

- ✓ Large scale processing of lower grade sulphide ores utilizes lots electricity - proximity to local hydroelectricity provides the potential to minimize carbon emissions

### NetZero Metals - Nickel-Cobalt Concentrate Processing

- ✓ Utilizing natural gas as a reductant, with the off-gases captured and re-routed to allow the CO<sub>2</sub> be captured by the waste rock and tailings
- ✓ Off-gases will again be captured and treated to ensure CO<sub>2</sub> and SO<sub>2</sub> emissions are minimized





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# FIRST NATION PARTNERSHIPS

[www.canadanickel.com](http://www.canadanickel.com)



# First Nation Partnerships



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Canada Nickel has entered into Memorandum of Understandings (MOUs) with Taykwa Tagamou Nation, Matachewan First Nation and Mattagami First Nation.

Discussions are currently underway to establish collaborative frameworks with our Indigenous partners throughout the project.

TAYKWA TAGAMOU



NATION





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# FEDERAL IMPACT ASSESSMENT PROCESS



- ✓ The Crawford Project will likely fall under the post-Bill C-69 federal Impact Assessment (IA) Process:
  - Federal threshold of 5000+ tonnes daily
  - Potential encroachment in watercourses
- ✓ New regulatory body: Impact Assessment Agency of Canada (IAAC)
- ✓ Canada Nickel will thus be required to do a rigorous assessment of the Crawford Project's environmental but also socio-economical impacts
- ✓ Proactive Indigenous and community engagement will be key in identifying these impacts and the relevant mitigation measures



## Baseline data collection

- ✓ Aerial survey (large mammals and nests) – performed in March
- ✓ Environmental geochemistry program – ongoing
- ✓ Hydrology, hydrogeology and water quality – will start shortly
- ✓ Aquatic resources (fish, benthos and habitat) – Summer 2021
- ✓ Birds and amphibians, including migratory waterfowl - ongoing
- ✓ Species at risk, including woodland caribou and bats - ongoing
- ✓ Habitat characterisation + vegetation, including wetlands - ongoing
- ✓ Atmospheric (climate / meteorological, air quality, greenhouse gas emissions, light and noise) – Summer 2021
- ✓ Archaeology – Summer 2021





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# COMMUNITY & STAKEHOLDER ENGAGEMENT

[www.canadanickel.com](http://www.canadanickel.com)





- ✓ Canada Nickel's intention is to be a new generation and benchmark mining proponent
  - Similar to what the team accomplished at Royal Nickel with the Dumont Project
- ✓ Looking to establish a comprehensive engagement process, tailored to local interests and expectations, in order to share information, review findings and gather feedback from local stakeholders

**Objective: improve the Crawford Project AND Canada Nickel's engagement activities**







## Transfer Environment and Society (TES) has been retained to build and manage Canada Nickel's Engagement Processes

- ✓ Who is TES?
  - 30 year experience, 100+ mandates in building bridges between organizations and communities
  - Act as custodians of the engagement process, to ensure Canada Nickel: **follows best practices, gives proper consideration to local feedback when planning its project and follows up on its commitments**
- ✓ In terms of the Community & Stakeholder Engagement Process, what comes next?
  - Understanding the **expectations** and **interests** of the community and local stakeholders to build a Preliminary Engagement Plan
  - Once ready, this Preliminary Plan will be presented to the community, for review and validation







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# PRELIMINARY PROJECT TIMELINE



# Preliminary Engagement Plan Timeline



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## Spring 2021

### Pre-consult:

- Initial presentation
- Expectations and Interests Online Questionnaire

## Summer 2021

### Plan:

- Build Preliminary Stakeholder Engagement Plan (per questionnaire results)

## Fall 2021\*

### Initiate Consultations:

- Present project update
- Discuss baseline study results
- Validate Engagement Plan

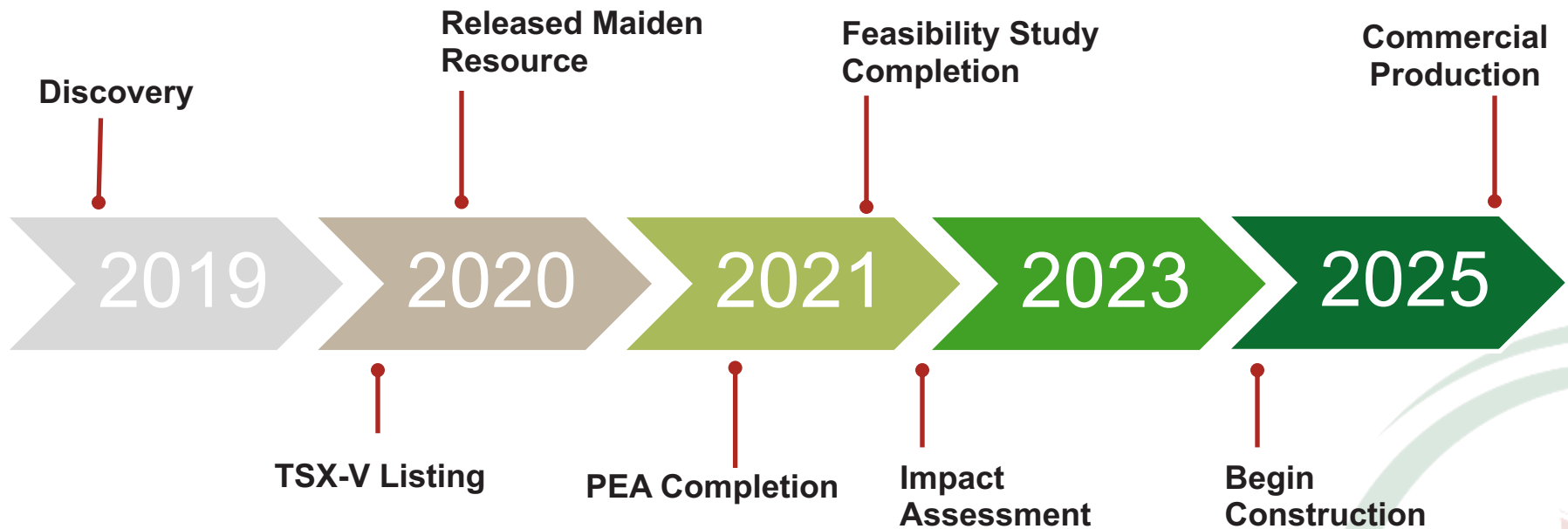
\*Once Canada Nickel's Engagement Plan is reviewed and validated by the community and local stakeholders, Canada Nickel will initiate the federal Impact Assessment Process (Planning Phase) in the Fall of 2021.

The 1st step is the preparation of an **Initial Project Description (IPD)**, which will detail the project's preliminary design, potential impacts and planned mitigation measures.

# Key Project Milestones / Timeline



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- ✓ Share the presentation and the Community Expectations and Interests Questionnaire
  - Short online survey that aims to gather anonymous feedback on local engagement expectations and interests + preliminary feedback on potential project issues and opportunities
  - Please feel free to share the Questionnaire within your organization
- ✓ Fall 2021:
  - Project and baseline studies follow-up
  - Community & Stakeholder Engagement Plan review and validation
  - Initial Project Description Engagement (Canada Nickel and IAAC)





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# QUESTIONS OR COMMENTS ?

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# APPENDIX





## Crawford is a structurally low-cost operation

- Large scale mine / mill operation expanded in 2 stages from 42.5 ktpd to 120 ktpd
- Low strip ratio – life of mine 2.1:1 and initial phase 1.3:1
- Use of trolley trucks and electric shovels reduce diesel consumption by 40% taking advantage of zero-carbon electricity
- Conventional flowsheet (SAG, ball mill, flotation, magnetic separation)
- Produces 3 products
- High grade nickel concentrate (35% nickel) believed to be highest grade concentrate in world
- Standard grade concentrate (12% nickel) in line with typical nickel sulphide concentrates
- Magnetite concentrate containing 45-50% iron and an average of 3% chrome
- Non-acid generating waste rock and tailings with carbon sequestration capacity
- Major support infrastructure in place
- Local workforce – no fly-in/fly-out labour

# Additional Opportunities



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## 1 Exploration Upside

Significant additional exploration potential within the Crawford Project and at the Company's additional properties including Bradburn/Dargavel

## 2 Recovery Optimization

Optimization of nickel, iron, chrome recovery and concentrate grades through additional test work during Feasibility Study stage

## 3 NetZero Carbon Footprint

Determine the carbon capture potential from the carbon sequestration potential of the Company's tailings and waste rock to permit the Company to achieve net zero carbon footprint operation

## 4 Cobalt & PGM Content

Processing of nickel concentrates to capture cobalt, PGM content through various processing alternatives for the company's high grade and standard grade concentrates

## 5 Potential CapEx Reduction

Capital cost reductions via electricity distribution and fleet acquisition opportunities; signed MOUs with Taykwa Tagamou First Nation to participate in the financing of all or a portion of the project's electricity supply and heavy mining equipment fleet

## 6 Kidd Creek

Completion of negotiations to utilize Glencore's Kidd Creek mill based on the capital and operating costs successfully determined during the initial phase of work



# MOU Signed for Potential Use of Glencore Kidd Concentrator & Met Site



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**The opportunity to utilize the excess capacity and existing infrastructure at the Kidd Met Site provides the potential to allow a faster, simpler, smaller scale start-up of Crawford at a vastly lower capital cost while the Company continues to permit and develop the much larger scale project currently being contemplated**

- MOU signed for potential use of Glencore's Kidd concentrator and metallurgical site ("Met Site") in Timmins, Ontario for the treatment and processing of material mined from Crawford approximately 40 km away
- Canada Nickel has completed an initial high-level assessment and will now proceed with a detailed study on the potential for upgrading excess capacity at the Kidd Concentrator and/or utilizing the existing infrastructure in place at the Kidd Met Site for milling and further processing the nickel-cobalt and magnetite concentrates that are expected to be produced from Crawford
- The capital and operating costs assessments have been successfully completed and discussions are ongoing.



## New IA Process under the IAAC:

### 1- Planning Phase

- ✓ Project description & issue planning

### 2- Impact Statement

- ✓ Relevant information and studies

### 3- Impact Assessment

- ✓ Impact analysis & management

### 4- Decision Making

- ✓ Authorization & conditions

### 5- Post Decision

- ✓ Ongoing follow-ups and monitoring

