Fathom Nickel Inc.

Two Emerging Nickel Camps – Saskatchewan Canada

Corporate Presentation

March 2024



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Fathom Nickel Inc.

Emerging Nickel Camps – Saskatchewan Canada – Ongoing Consultation – Collaboration



Top-Tier Mining Jurisdiction

Saskatchewan consistently ranked within top-5 worldwide as place to explore (Fraser Institute)

 Pro-mining, strong local workforce

Clean Energy Transition

Nickel important to new green economy





Quality Nickel Portfolio

Two highly prospective nickel projects:

- Past producing highgrade mine
- Historic deposit with high-grade potential



Proven Exploration Model

Environmental and Social approach to exploration

- Regular engagement with First Nations
 Modern approach to exploration
- Significant new nickel discoveries

Fathom Nickel Inc. – Company Snapshot

Attractive valuation relative to peers with significant insider ownership

Trading at attractive valuation

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Cash Balance of \$4.3 Million

Share Structure and Capitalization (as February 16, 2024)

	<u>Shares</u>	<u>%</u>
Management & Insiders	6,744,776	4.8%
Institutional (est.)	48,464,435	34.6%
Retail (est.)	84,823,705	60.6%
Total Basic Shares Outstanding	140,032,916	100.0%
Management & insider options	6,460,000	
Warrants	52,301,757	
Broker warrants	3,774,909	
Fully Diluted	202,569,582	
Market Capitalization	\$25 Million	
Cash Position (Est.)	\$4.3 Million	

Share Price – 12 months (as of February 16, 2024)



Significant Advancements Since Going Public – May 2021

Additional Financings 2021 Exploration May 2021

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Lists on the CSE following equity financing of \$11.2M: OTC and FSE listings followed

October 2021 \$4.0M flow through December 2022 \$1.6M flow through May-June 2023 \$3.0M equity December 2023 \$3.4M equity February 2024 \$1.1M equity

Drilling confirms extension of Rottenstone Deposit (south), New Discovery hole 500m NW of Rottenstone, Mineralized Ultramafic intersected 4km South of Rottenstone BHEM, EM, heli-MAG, Gravity, Bhorizon soil geochemistry surveys, mapping, prospecting

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Sep 2022 2022 Exploration

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Defined 300+

meter Mineralized

Ultramafic

corridor; the Bay-

Island Trend.

Acquired the

Tremblay-Olson

Claims

BHEM, heli-

AirTEM, B-horizon

soil geochem

survey at

Tremblay-Olson

Claims defines

robust Ni, multi-

element anomaly on trend with

Rottenstone and

Bay-Island Trend

Enter into option agreement for 100% of Gochager Lake Nickel Project

Completes exploration programs at the Gochager Lake and Albert Lake projects, drilling and BHEM

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Feb-Mar 2023

Strategic acquisition of the Watts Lake property from SKRR Exploration increasing size of Gochager Lake property to 19,559 ha - subsequently increased to 22,000+ hectares through additional direct staking

Mar 2023

June-Sep 2023

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Completed geophysical programs at Gochager and Albert Lake projects, BHEM and surface TDEM surveys Gochager, Fall drill program at Gochager

Feb-Apr 2024

Drill Programs at Albert Lake and Gochager Lake projects 5000m combined Surface TDEM, BHEM and Gravity surveys

(CSE:FNI FSE:6Q5 OTC:FNICF)

2024 Exploration – Milestones

Albert Lake Project

> Fully permitted

- Continuing community consultation
- February March drill program ~2000m targeting EM conductors, robust soil geochemistry ~1.5km south of historic Rottenstone Mine
 - Strategic follow-up EM surveys
 - Infill Gravity survey
 - Additional drilling based on EM-Gravity targets
- **Summer Fall** exploration program
 - Follow-up drilling
 - Surface mapping, prospecting, soil geochemistry surveys and detailed surface EM surveys
 - Property-wide LiDAR survey

Gochager Lake Project

- Fully permitted to explore original option agreement through July 2024
- > Application for new Exploration Permit for entire Gochager Lake project submitted January 2024 to include:
 - 20–25-person camp
 - Drilling 10,000 15,000 meters
 - Line cutting, multiple ground geophysical surveys
- Continuing community consultation
- March April drill program 2000-2500m targeting deep BHEM conductors and off-hole BHEM conductors from 2023 drilling
 - Strategic follow-up EM surveys
 - Test Gravity survey

Summer – Fall exploration program

- Follow-up drilling
- Surface mapping, prospecting, soil geochemistry surveys and detailed surface EM surveys
- Property-wide LiDAR survey

Fathom's Projects Geological Setting – Saskatchewan Canada

Located in The Trans Hudson Corridor – Host to Numerous World-class Mining Camps



Trans Hudson Corridor home to numerous world-class Nickel mining camps

- Thompson Nickel belt (operating)
- Raglan Nickel Belt (operating)
- Lynn Lake (former producer)



Saskatchewan is relatively underexplored jurisdiction for Nickel – Base Metal-type Deposits

Two Highly Prospective Magmatic Nickel Sulphide Projects



Albert Lake Project (100% Ownership)

- 90,000+ hectares
- Historic Rottenstone Mine; of 26,000 tonnes: 3.28% Ni, 1.83% Cu, 9.63 g/t Pd-Pt+Au (3PE) ⁽¹⁾ legacy production 1965-1969
- New Ni-Cu+ PGE discovery The Bay-Island Trend, 300+ meters Ni-Cu-Co-PGE corridor
- Multiple, robust exploration targets in historic Rottenstone deposit area

Gochager Lake Project (100% Ownership)

- 22,000+ hectares
- Gochager Lake deposit, historic drill indicated reserves of 4,262,400 tons grading 0.295% Ni and 0.081% Cu mineable by open pit ⁽²⁾
- Containing ~1.8Mt 0.74% NiEq (Ni+Cu) defined 1966-1970 drilling; Cobalt overlooked
- Very strong evidence of multiple, high-grade Ni-Cu-Co chutes within the historic Gochager Lake Deposit
- Very strong evidence of additional "Gochager-like" occurrences in historic VTEM database and recent surface TDEM geophysics

(1) The reliability of the historical data and resource estimate presented here cannot be confirmed by the authors, nor can the assumptions, parameters and methods used to prepare the estimates. The estimate is not considered NI 43-101 Compliant by the definition of a "mineral resource" and further work is required to verify the historical estimate as a current mineral resource. Furthermore, records suggest (Saskatchewan Mineral Deposit Index #0958) that some of this historical resource has been exploited making a delineation of this mineral resource impossible. Fathom Nickel is not treating the historical estimate as a current mineral resource.

(CSE:FNI FSE:6Q5 OTC:FNICF)

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(2) The Saskatchewan Mineral Deposit Index (SMID#0880) reports drill indicated reserves of 4,262,400 tons grading 0.295% Ni and 0.081% Cu mineable by open pit. Fathom cannot confirm this resource estimate, nor the parameters and methods used to prepare the reserve estimate. The estimate is not NI43-101 compliant and further work is required to verify this historical drill indicated reserve.

ALBERT LAKE PROPERTY

"Exploring in the Shadows of a Historic High-grade Nickel Mine."

Albert Lake Ni-Cu+PGE Magmatic Nickel Sulphide Project





2017 Metallurgical Study Rottenstone Matrix Texture returned: 4.08% Ni, 1.38% Cu, 0.097% Co, 10.50 g/t PGE+Au* - very good metal recoveries >90% Ni-Cu-Co, >80% 3PE

Albert Lake Project

- 90,460 Ha contiguous land package
- Rottenstone Mine High-Grade Ni-Cu+3PE (1965-1969)
- Fathom 60 drillholes; 10,713 meters drilled since going public 2021 2023
- Exploration Success:
 - Historic Rottenstone deposit extension 40+ m, South: AL21024 1.06% Ni, 0.88% Cu, 4.09 g/t 3PE / 7.47m
 - Discovery 300+ meters continuous Rottenstone-like nickel mineralization; the Bay-Island Trend, 500m West-Northwest Rottenstone Deposit: AL22052 – 0.62% Ni, 0.29% Cu, 0.63 g/t 3PE /

13.27m



- Proof of Concept significant Magmatic Nickel Sulphide System at Rottenstone area, Rottenstone deposit not an isolated occurrence
- Robust 4 km² area of Ni-Cu-Co+3PE metal-in-soil anomaly centred 2 km southwest of Rottenstone deposit
- Rottenstone-type stratigraphy, high metal tenor at Dime occurrence
 4.5 km southwest of Rottenstone

(CSE:FNI FSE:6Q5 OTC:FNICF)

*Grades are from a 23.75 kg of Rottenstone mine "Matrix" mineralization collected by Fathom. Assay includes all Platinum Group Elements (PGE+Au). Note to reader; this is not necessarily the expected grade of the Rottenstone-type mineral deposits the company is exploring for at the Albert Lake Property

Bay-Island Trend Analogous to Rottenstone Deposit

Magmatic Nickel Sulphide Mineralization / Textures Recognized at The Bay-Island Trend

Rottenstone Deposit





8.3% Ni, 4.67% Cu, 0.19% Co, 9.09 g/t PGE+Au



Polished Section of sulphide "globule"(AL22040); pentlandite (Pn) rimming chalcopyrite (Cpy)

Bay-Island Trend



AL22040_120.80m; 0.44% Ni, 0.36% Cu, 0.31 g/t 3PE



AL22040_121.14m; 0.41% Ni, 0.28% Cu, 0.32 g/t 3PE



AL22052_99.03m; 1.25% Ni, 0.27% Cu, 0.84 g/t 3PE



AL22051_108.99m; 2.13% Ni, 0.22% Cu, 1.73 g/t 3PE

Rottenstone, Bay-Island Trend, Tremblay-Olson Mineralized Corridor

Bay-Island Trend

- 300+m continuous UM-hosted, Rottenstone-like Ni mineralization, open along strike
- Bay-Island-Trend Signature defined by:
 - Week 2008 VTEM response
 - Strong Ni-Cr-in soil anomaly (multi-element)
 - AL21021 strong BHEM anomaly to SW
 - Additional moderate-strong BHEM responses
 - Follow-up surface TDEM (modstrong)recognized the trend
- Recognize lower Ni Tenor compared to Rottenstone **Rottenstone SW Extension**
- 2016 2021 Fathom drilling confirms mineralized UM host up to 40m south of historic Rottenstone Mine

Drillhole	Meters*	Ni %	Cu %	3PE (g/t)
Bay-Island Trend				
AL22052	13.27	0.62	0.29	0.63
Including	3.54	1.09	0.42	0.75
AL22063	11.25	0.38	0.20	0.29
Rottenstone	SW Extension	ı		
AL21024	7.47	1.06	0.88	4.09
Including	4.00	1.46	1.39	6.91



Soil	Geochem	istry	′ - Ni (ppm)	
	0 - 7		15 - 21	
	7 - 10		21 - 75	
-	10 15		> 75	



Soil	Geochem	istry	- Cr (ppm)
	0 - 18		37 - 51
	18 - 25		51 - 127
	25 - 37		> 127

Rottenstone, Bay-Island Trend, Tremblay-Olson Corridor





TDEM & Gravity & MAG picks results defining favourable stratigraphic corridor and aligns with multi-element soil geochemistry anomaly

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Rottenstone – Tremblay-Olson Q1 2024



Rottenstone – Tremblay-Olson Claims Area

- >5km of favourable stratigraphy identified based on historic • compilation, surface Gravity, soil geochemistry, TDEM and gradient MAG
- Drill Targets:
 - Modeled, very strong TDEM conductor, 450x150m, coincident ۰ Gravity, occurring along eastern flank of robust, multielement, in soil anomaly
 - Additional detail TDEM surface grids to better define EM conductivity defined in surface TDEM (2022, 2023)
 - Detail TDEM over known historic conductors (2000, 2022 & 2023) and 2022 AirTEM MAG Picks, SW trend emanating at historic Rottenstone Mine
 - Additional drillholes planned on weaker EM / MAG plus very strong soil geochem
 - 5 7 drillholes ~2000m; all holes will be probed with BHEM



Planned Drillhole (2024) TDEM Survey - Planned 2023 Drillhole 2022 AirTEM MAG Picks

Ni >90th Percentile (Soils) Mineralized Ultramafic

(CSE:FNI FSE:6Q5 OTC:FNICF)

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GOCHAGER LAKE PROPERTY

Gochager Lake Ni-Cu-Co Magmatic Nickel Sulphide Project

200m

150m

Ni (ppm)

< 1000pp

2500-5000

5000-7500



Gochager Lake Project

- Optioned property September 2022 (~5000ha)
- 2023 expansion of Gochager Lake Project to 22,620 Ha contiguous land package via acquisition and staking
- Historic drillhole I-12 contained: 290.4m of 0.58% Ni, 0.11% Cu with
 9.7m of 2.4% Ni, 0.35% Cu, 0.14% Co
- 2008 VTEM survey property area multiple recommendations not acted upon
- Mal Lake Ni occurrence 10km southwest of deposit 1.11% Ni, 0.24%
 Cu / 7.9m (1967) no exploration since
- Fathom drillhole GL23003 featured in Northern Miner Magazine as 8th best nickel intercept drilled worldwide in 2023; 58.2m 1.49% Ni, 0.38% Cu, 0.11% Co
- In 2023 Fathom drilled nine (9) holes 2,893 meters
 - First-time use of borehole electromagnetics (BHEM)
 - BHEM historic drillholes 1989, 2018
 - Multiple off-hole anomalies defined and conductivity building to depth
 - In deposit area multiple additional conductors defined by surface TDEM

Gochager Lake 2023 Notable Drill Results



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SOURCE: https://www.sciencedirect.com/science/article/pii/S0169136814001759

- Historic Gochager Lake deposit hosted in a differentiated gabbroic-melagabbro intrusive
- Mineralization occurs as disseminated interstitial mineralized (pyrrhotite, ±chalcopyrite) halos hosting semi-massive sulphide breccias (pyrrhotite, pentlandite, chalcopyrite)
- Indications of a possible conduit "neck" or "feeder" zone at depth
- Nicobat deposit NW Ontario possible analogue

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Gochager Lake Deposit – Preliminary Interpretation

Section Looking Northwest



Magmatic Nickel Sulphide Textures – Gochager Lake Deposit Voisey's Bay Comparable

Geological and geochemical relationships in the Voisey's Bay Intrusion



GL23008 – ~255m: Loop textures (Cpy, Pn) in massive sulphide vein (3.25% Ni, 0.26% Cu, 0.11% Co / 0.64m) Massive sulphide veins; variable sizes, recognized up to 50m away from main mineralized zone at Voisey's Bay Ni-Cu-Co deposit (Naldrett, Lightfoot)

Example of pegmatoidal sulfides in olivine gabbro troctolite, Ovoid Deposit, Voisey's Bay Inset shows Gochager sample

CONFIDENTIAL Lightfoot

Ovoid Deposit



Gochager Lake: GL23010: 89.5m Medium grained gabbro with segregation of coarse-grained aabbro containing interstitial sulfide





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*		Massive Sulphide
		Mafic to ultramafic fragments
1	100 m	Zone of aligned gneiss fragments West
	53	Variable Troctolite
		Leopard-Textured Troctolite

- Variable Troctolite with <10% fragments and <10% sulphide
- Ferrodiorite and Biotite Ferrogabbronorite

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Zone of gneiss fragmen

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Gochager Preliminary Metallurgy Microprobe Analysis





UWO Microprobe Analysis Semi-massive Sulphides GL23003:

- 80 points of pentlandite evaluated
- Typically, 0.55% Ni in pyrrhotite very comparable to other Ni camps good Ni recovery
- Relative to other Ni camps, Gochager pentlandites have similar Ni concentrations
- Relative to other Ni camps, Gochager pentlandite has unusually high Co content

Early takeaway – Gochager Lake mineralization a potential very attractive concentrate – Fathom needs to demonstrate sufficient tonnes / grade



G ochager Lake Project

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Gochager Lake Deposit – New Exploration Targets





- Gochager Lake deposit located in MAG low, and deposit conforms to outer edge of MAG high
- Deposit very open to depth and to SW
- Also note modelled BHEM off-hole conductors GL23011 ~400m to NE and occurring outside of MAG high and in favourable host gabbro
- Late channel very strong conductive response at depth and SW of the Gochager Lake deposit
- Lots of room for deposit expansion

Gochager Lake Property – 2008 VTEM Survey – New Exploration Targets



Multiple geophysical exploration targets at local scale (Gochager deposit) and on regional scale result of re-interpretation of 2008 VTEM survey

Nickel is Critical for the Clean Energy Transition

Nickel plays a crucial role in clean energy technologies with expected demand well outstripping supply

Relative importance of critical minerals for particular clean energy technologies Nickel Lithium Cobalt Solar photovoltaic Low Low Low Wind Low Low Med Hydro Low Low Low **Concentrated solar power** Med Low Low Bioenergy Low Low Low Geothermal Low Low High Nuclear Med Low Low **Electricity networks** Low Low Low EVs and battery storage High High High Hydrogen High Low Low

Nickel of High Importance to Multiple Green Energy Technologies

Additional Production of 3,225 kt/y Required to Meet Demand Nickel production, 2020 and projected demand in 2030



Supply Issues Compounded if Constrained to Tier-1 Jurisdictions

Urgency required for nickel exploration in tier-1 jurisdictions given its production lead times



Immediate Focus on Nickel Discovery is Imperative Given Lead Times Average observed lead times from discovery to production, 2010-2019 (years)



Fathom Management and Board

Proven track record of successful resource discovery, development and exits



lan Fraser CEO, VP Exploration, Director

- Co-founder of Fathom Nickel, 35+ Years of mineral exploration, managing and executing exploration programs in Canada and abroad
- Successes include resource interpretation / dev.
 Casa Berardi Gold Mine, Komis Gold Mine, Byers
 Gold Belt, Canada, Cisneros Gold Mine, Colombia
- P.Geo. B.Sc. Geology



Eugene Chen

Director

- Partner at McLeod Law LLP with over 25 years experience as a securities, corporate finance, and mergers & acquisitions lawyer
- Deep experience in advising emerging and growthoriented companies on corporate finance, securities, and mergers & acquisitions – for national and international firms



Mark Cummings

Director

- Senior executive with considerable hands-on experience in operations, HR, corporate governance and general management roles
- Currently the Chief Executive Officer of Zavida Coffee Co. a portfolio company of BDG Capital
- CPA, CA



Doug Porter President, CFO, Director

- Senior financial and accounting executive with specific emphasis in resource company management
- Successes include Sale of Elan Coal Ltd., Sale of StimWrx Oilfield Services Ltd.
- CPA-CA, CBV



John Morgan Director

- Senior mining executive with a B. Sc. Geology from the University of British Columbia.
- Over 35 years of experience with increasing responsibility in managing both domestic and international mining operations.
- Director with Grande Cache Coal
- Co-founder and executive of Atlantic Gold

Fathom Nickel Inc.

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