



# MONGOOSE

MINING LTD



Identifying High-Potential IOCG Copper, Gold & Cobalt Targets in Atlantic Canada

*Exploration Proposal and Investment Strategy*

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# Disclaimers

## CAUTIONARY STATEMENT - March 2022

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Forward-looking information can be identified by the use of words such as “could”, “expect”, “believe”, “will”, “may”, “intend”, “plan”, “estimate”, “anticipate”, “predict”, “project” and similar expressions and statements relating to matters that are not historical facts. Forward-looking information involves known and unknown risks and uncertainties and other factors, including those described under the heading “Risk Factors” in the Companies listing statement dated November 12, 2021 available on the Company’s profile on [www.sedar.com](http://www.sedar.com), which may cause the actual results, performance or achievements of the Company to be materially different from any future results, performance or achievements expressed or implied by such forward-looking information. These factors include, among others, price volatility of gold, silver, copper, cobalt and other commodities; volatility of commodity prices and other input costs; mining industry operational hazards and environment concerns; uncertainty of estimates of mineral resources and mineral reserves; requirements for additional financing which may not be available; changes in political conditions or governmental policies and political and financial instability; government regulation and requirements for permits and licenses and competition. Forward-looking information is based on assumptions that the Company believes to be reasonable. Key assumptions upon which the Company’s

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Although the Company has attempted to identify important factors that could cause actual actions, events or results to differ materially from those described in forward-looking information, there may be other factors that cause actions, events or results not to be as anticipated, estimated or intended. There can be no assurance that forward-looking information will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Accordingly, readers should not place undue reliance on forward-looking information. The forward-looking information in this presentation is made as of March 2022 and the Company undertakes no obligation to publicly update or revise any forward-looking information, whether as a result of new information, future events or otherwise, other than where a duty to update such information or provide further disclosure is imposed by applicable law.

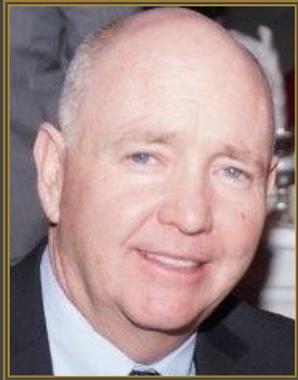
### Information References:

- T. Belperio, G. Morris, J. O’Sullivan, 2011 - Exploration for Iron Oxide Copper-Gold Along the Cobequid-Chedabucto Structure, Nova Scotia. (Assessment Report)
- A.P. Belperio, 2010 - Nova Scotia IOCG Project (Assessment Report)

Terry Coughlan is the authorized PGeo responsible for geological information in this presentation.



# Experienced Leadership



**Terence F. Coughlan**  
President & CEO

- Professional Geologist and Senior Mining Executive
- **36+** years experience in resource exploration & development and capital markets
- Proven expertise in moving projects forward as:
  - **Founding CEO and Chairman of GoGold Resources** where he was tasked with bringing their silver and gold project to production;
  - **Co-founder and VP of Gammon Lake Resources;** and
  - **VP of Acadian Mining** where he helped finance and re-establish production at an open-pit zinc/lead mine.
- 'Qualified Person' as defined by Canadian National Instrument 43-101

**Matthew Allas**  
Chairman

- **President & CEO of Canadian Manganese Company**
- Previously **President & CEO of Maximos Metals Corp.**
- **14 years** as an **Investment Banker** and Investment Professional in natural resource industry advising numerous companies on critical growth and financial strategies
- Holds Bachelor of Arts (Economics/Physics) from Mount Allison University

## MONGOOSE MINING LTD.

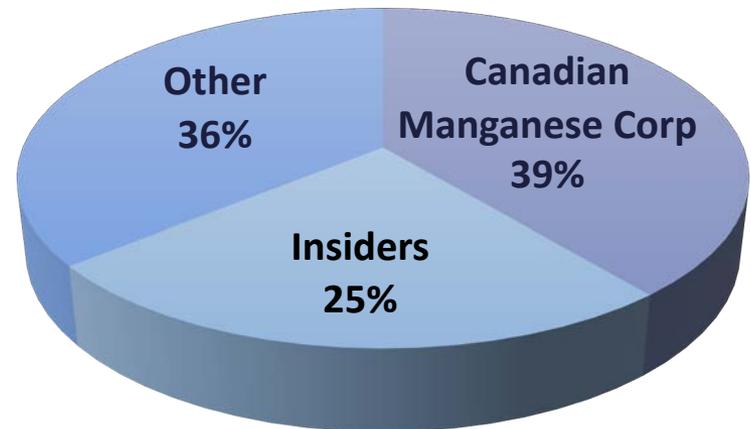
Mongoose Mining Ltd. (CSE:MNG) is a Canadian resource company focused on the advanced exploration and development of Iron Oxide-Copper-Gold-Cobalt (IOCG) deposits in the Cobequid Highlands of central Nova Scotia, Canada.

The Cobequid-Chedabucto Fault Zone (CCFZ) is a large crustal fault system within the Cobequid Highlands. In 2007, Minotaur Exploration Ltd. (Minotaur) of Australia recognized the CCFZ and associated iron oxide deposits as part of an IOCG style system. Minotaur implemented extensive work programs including regional gravity, VTEM, magnetic and geochemical surveys, identifying high priority conductivity anomalies warranting further investigation. Due to the 2008 financial crisis, the property was mostly abandoned, and these targets have yet to be drilled. An estimated \$10M+ of exploration expenditures has been conducted on the properties.

With over 12,000 hectares of claims now controlled by Mongoose, the Company is planning a **6,000m drill and exploration program in 2022/2023.**

## SHARE STRUCTURE

<b>Basic Shares Outstanding</b>	<b>32,150,299</b>
<b>Options Total</b>	<b>685,544</b>
<b>Warrants Total</b>	<b>2,602,737</b>
<b>Fully Diluted Shares</b>	<b>35,438,580</b>



■ Canadian Manganese Corp ■ Insiders ■ Other

## THE SIGNIFICANCE OF IOCG

Mineralized IOCG systems often have high probability for large resource development

### Significant IOCG deposits globally

#### Prominent Hill Mine (OZ Minerals)

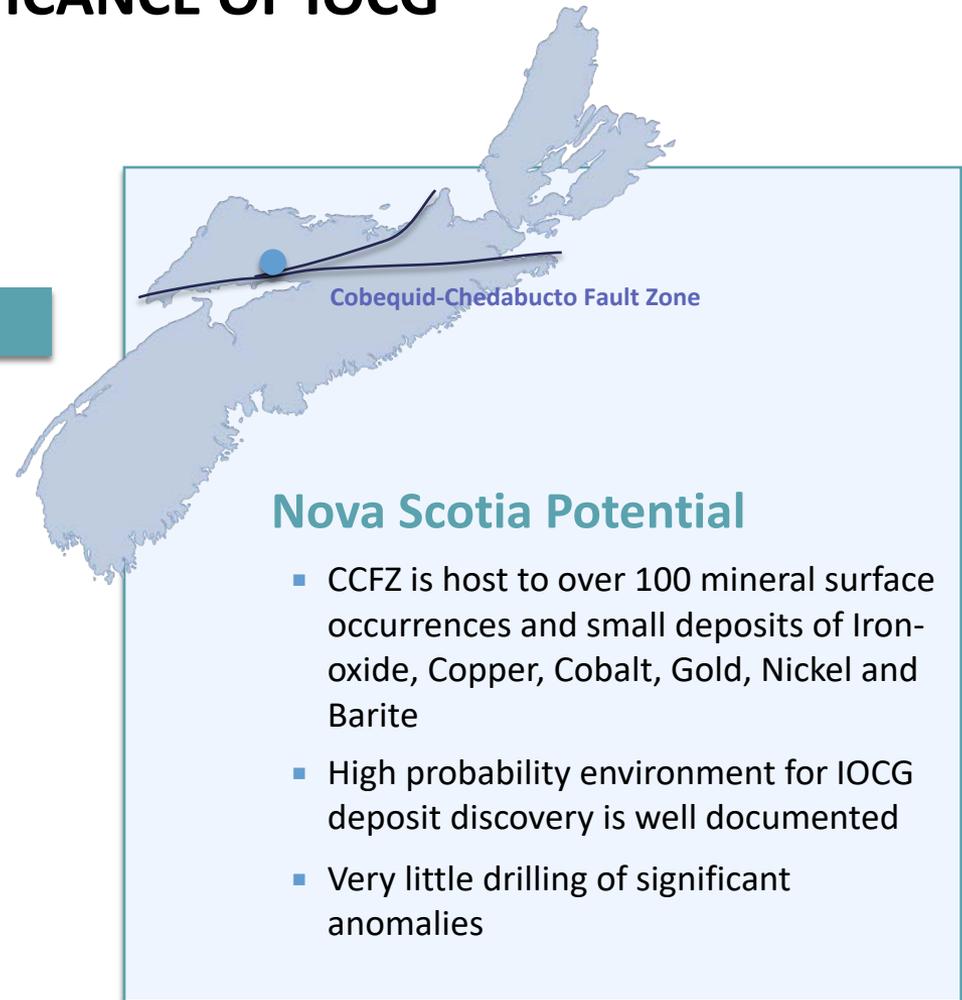
- 186 million tonnes at 1.1% copper and
- 0.7 g/tonne gold

#### Olympic Dam (BHP Billiton)

- 9.6 billion tonnes at 0.8% copper,
- 0.26 kg/tonne uranium,
- 0.31 g/tonne gold, and
- 1.39 g/tonne silver

#### La Candelaria (Lundin Mining)

- 419 million tonnes at 0.5% copper,
- 0.1 g/tonne gold, and
- 1.6 g/tonne silver



## EXPLORATION PLAN EVOLUTION



+



+



+



**Foundation** - Extensive exploration conducted by Minotaur identified numerous immediate drill targets based on regional geophysical, geological and geochemical surveys.

**New Technology** - Recently applied Nanospectra geophysics has outlined anomalies believed to be subsurface Au/Cu mineralized bodies.

**Compilation/AI** - 2021 compilation work and machine learning by IOCG algorithms. Mercator Geological Services have combined over 150 reports from decades of exploration presenting new prospectivity targets.

**Expertise** - Management has a proven value creation track record through all phases of a resource asset (exploration, identification, development and production)

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## High Potential for Discovery and Development

## PREFERABLE MINING JURISDICTION

- **Highly skilled workforce** - Over 300 years of mining experience.
- Nova Scotia supplies more than 20 mineral products to both domestic and export markets around the world and mineral extraction remains an **important component of the provincial economy**. (i.e. gold, coal, salt, gypsum).
- Nova Scotia boasts competitive advantages over many global jurisdictions due to infrastructure - **roads, railway, mobile communication, access to global markets via international air service and deep-water, ice-free ports**.
- Year-round exploration, favorable weather.
- Government **incentives** available.

**IOCG exploration expense is approximately 60% lower than Northern Canada due primarily to lower infrastructure costs:**

- Lower transportation costs
- Lower fuel costs
- Access to labour
- Access to grid power

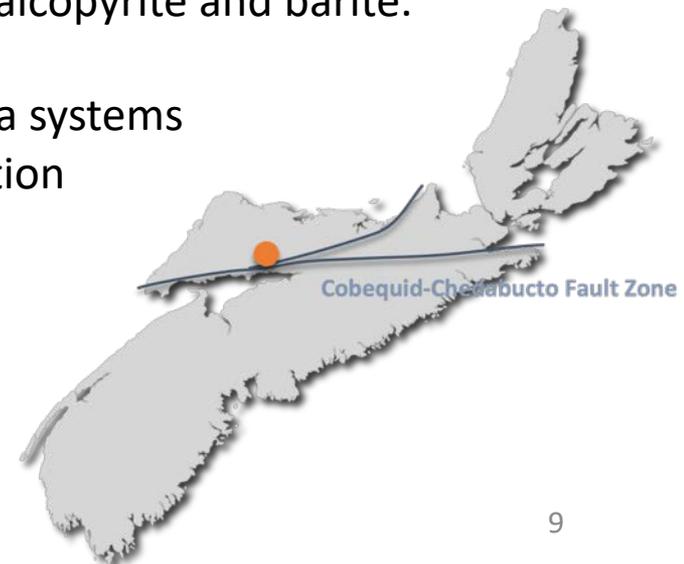


*THE CANADIAN PRESS/Andrew Vaughan*

## BUILDING ON IDENTIFIED POTENTIAL



- 2007-2009 Minotaur identified a large number of IOCG targets generated through systematic regional surveys and field investigations along the CCFZ.
- The CCFZ comprises a series of crustal-scale faults along a length of ~250km that bisects central Nova Scotia.
- Fault zone hosts >100 mineral occurrences and small deposits of Fe-Oxide, Cu, Co, Au, Ni, Ba and consisting of ankerite and siderite with significant amounts of magnetite, specular haematite, pyrite, chalcopyrite and barite.
- Mineral occurrences range from single veins to breccia systems and are associated with widespread carbonate alteration (ankerite, siderite and calcite) along with silica and sericite alteration.



- Strongly mineralized occurrences are Londonderry, Copper Lake, Bridgeville, Mt. Thom and Bass River.
- Minotaur selected 12 high-priority targets across the province (*A.P. Belperio 2010*) based on extensive exploration.
- Mongoose holds the rights to the Londonderry, Bass River and Mt. Thom properties, and 10 of Minotaur's 12 top-priority targets.

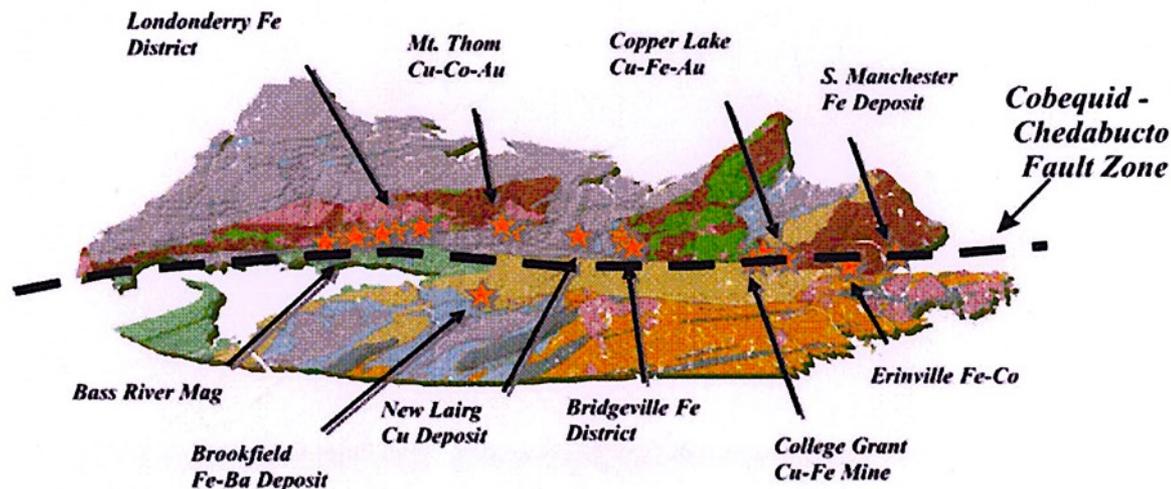
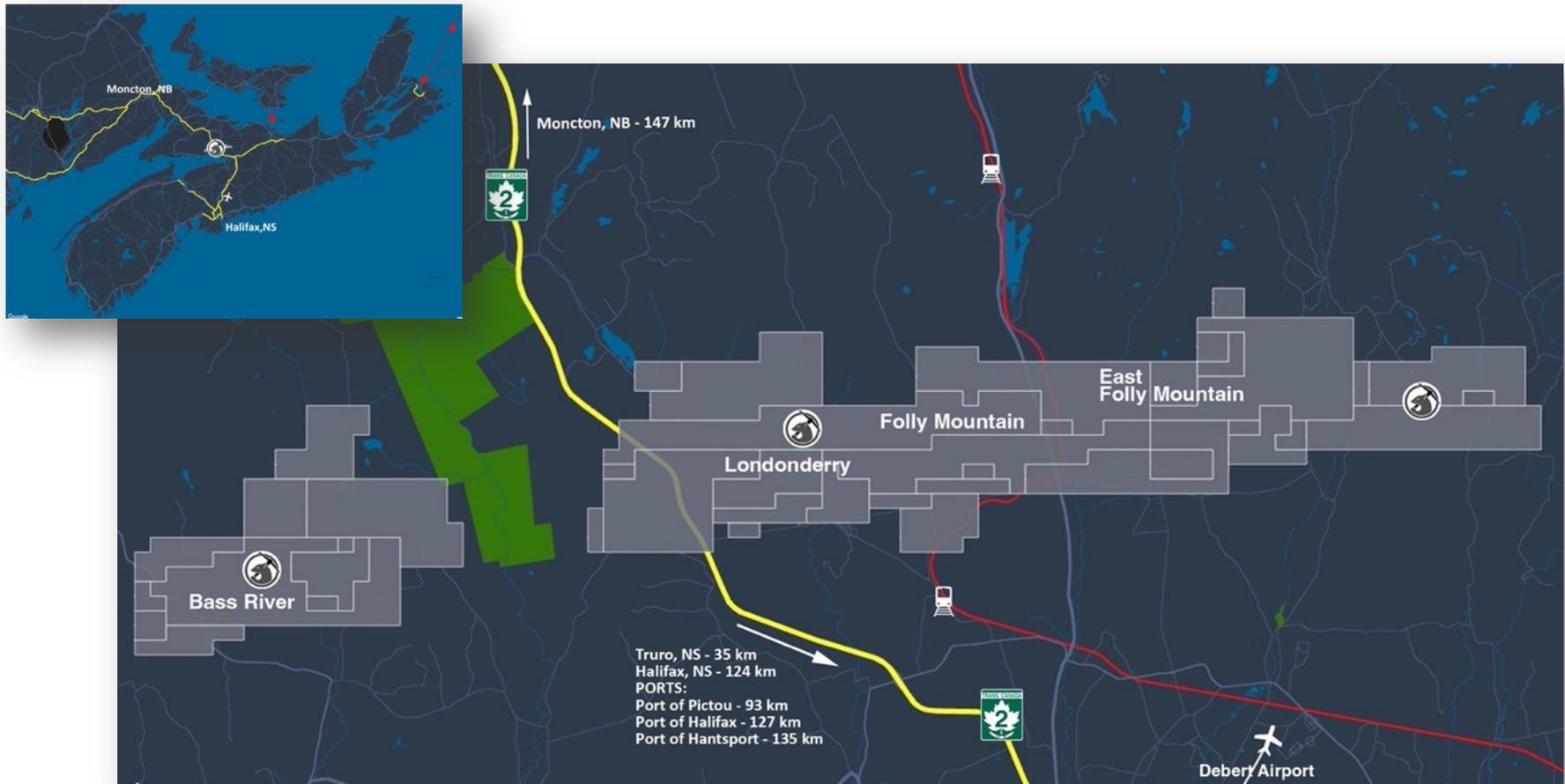


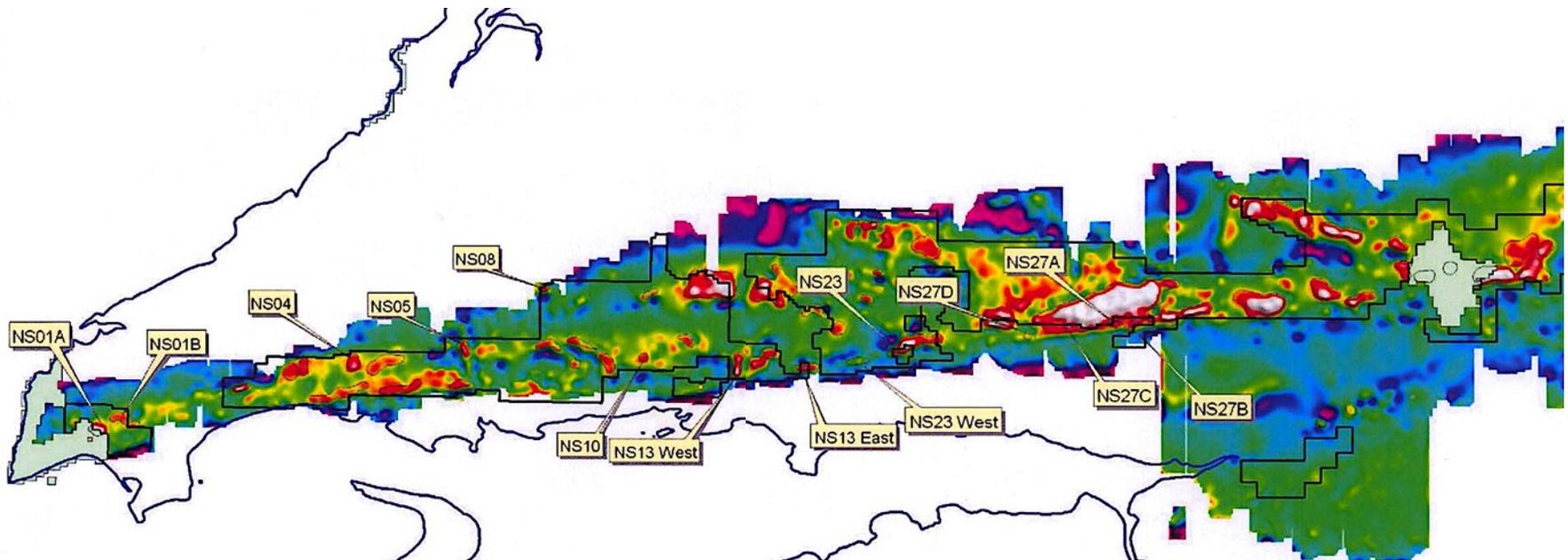
Figure 2: Major IOCG-type mineral occurrences in central Nova Scotia

## Londonderry & Bass River Claims - Nova Scotia

37 Kms (~12,000 Hectares) Under Claim



**Minotaur High Priority Targets - NS01A/NS01B, NS08, NS23 (Grav), NS23 (Mag),  
NS23 West, NS27A, NS27B, NS27C, NS27D**  
All on Mongoose claims

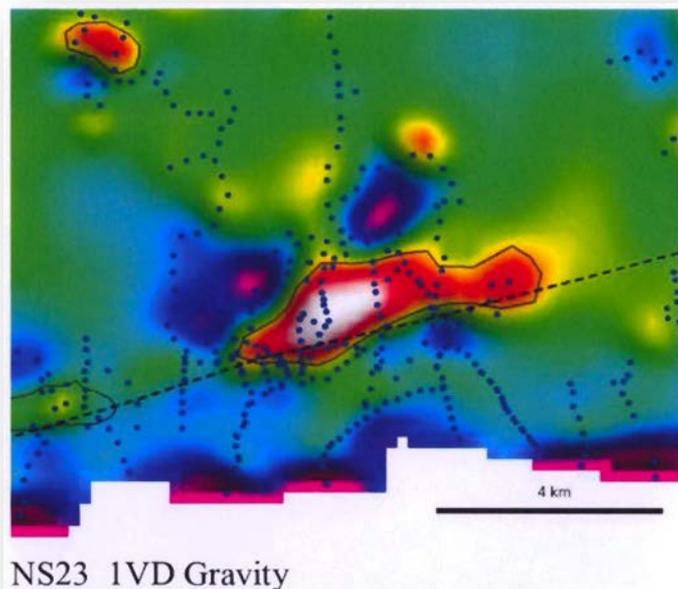


*High and Very High Priority Targets on Regional 1VD Gravity*

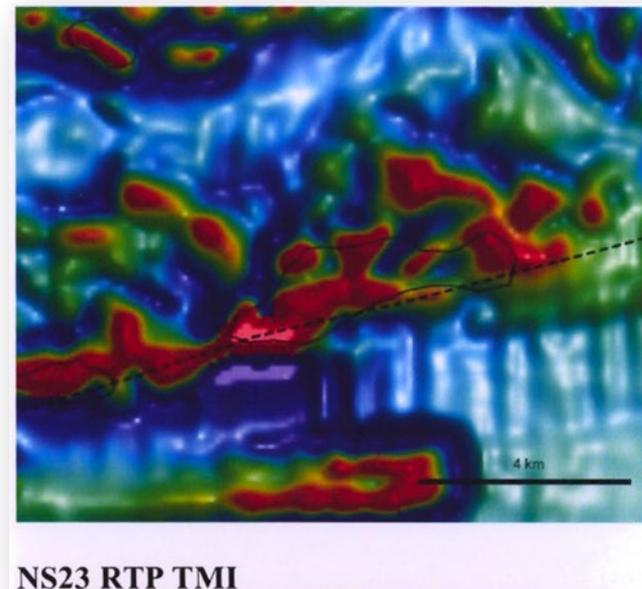
## NS23 Gravity and Mag Targets (Minotaur Priorities 3 & 4)

Gravity Target NS23 is a strong 3 x 1 kilometer gravity feature at Bass River that is partly coincident with an intense linear magnetic anomaly. A drillhole into the center of the gravity anomaly and a separate drillhole into the magnetic anomaly are planned.

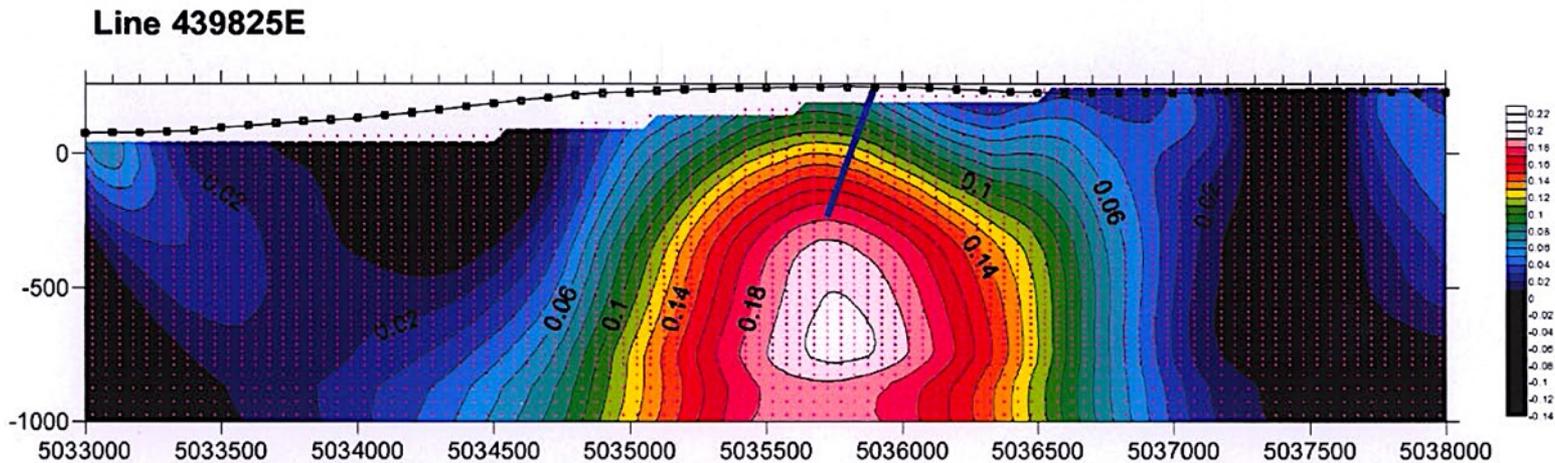
**Gravity Anomaly**



**Magnetic Anomaly**



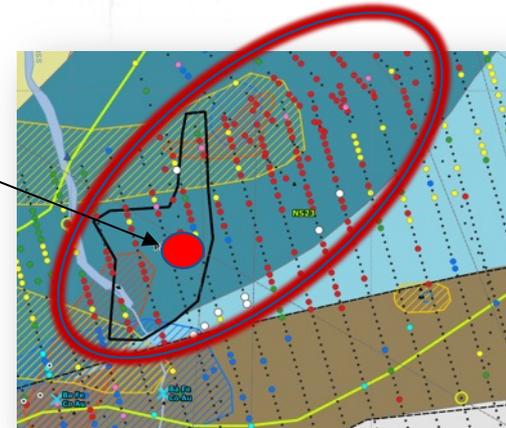
## High Priority Mongoose Drillhole - NS23 - Gravity



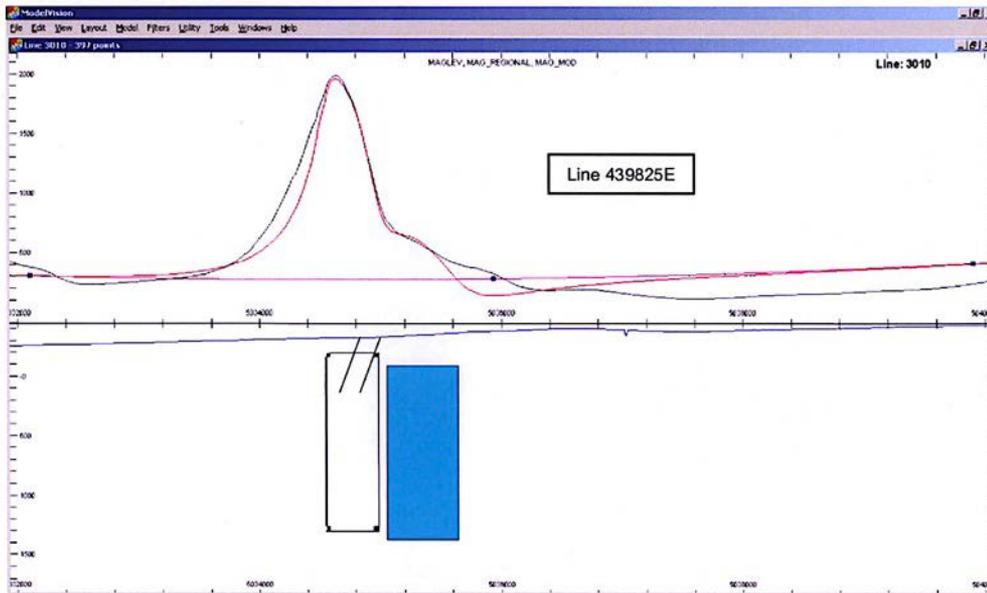
Centre of Gravity Anomaly Drill Collar  
439825E, 5035900N (NAD83, NUTM20).  
-70 degrees towards 180 degrees T. EOH: 500m.

Proposed DDH

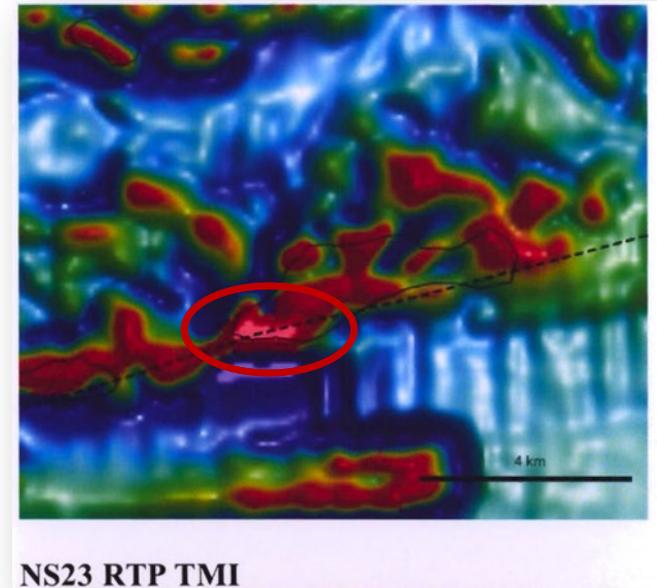
*Coincides with copper soil anomaly in recent compilation work and AI interpretation.*



## High Priority Mongoose Drillhole - NS23 - Mag

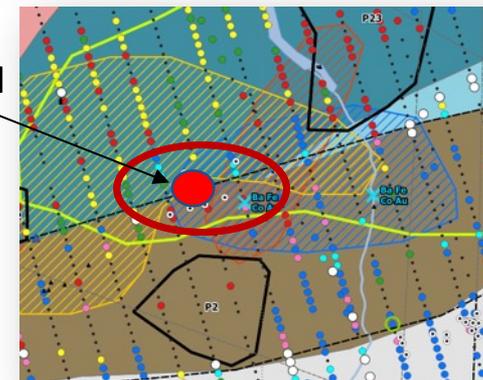


Magnetic Centre Drill Collar  
438970E, 5035000N (NAD83, NUTM20).  
-70 degrees towards 180 degrees T. EOH: 500m.



Proposed DDH

*Coincides with elevated gold and cobalt bearing magnetite outcrop.*

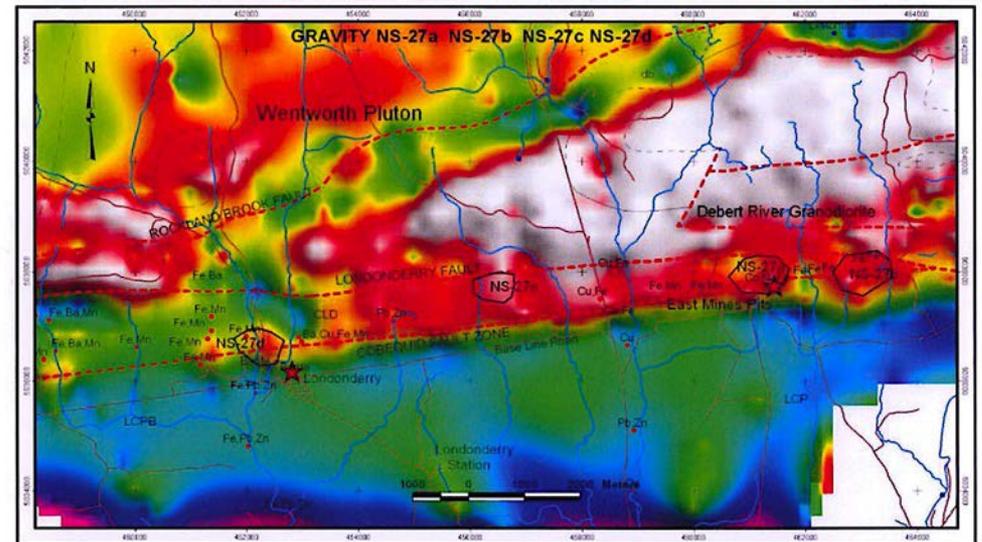


Major fault

## NS27 - A,B,C & D (Minotaur Priorities 6,10,11 & 12)

Gravity anomaly NS27 is an extremely large 12 x 4 km, deep and intense anomaly, that is a standout feature of the entire regional data set. A number of Devonian-Carboniferous gabbro intrusives indicate that this anomaly most likely reflects a very large post-orogenic mafic intrusive at depth, a bimodal equivalent of the of the Devonian-Carboniferous oxidized granites and the likely heat engine for hydrothermal activity in this region.

Of greater significance from an exploration perspective are the smaller, discrete anomalies around its margin. Four high priority targets, labeled NS27A, NS27B, NS27C and NS27D require further investigation.

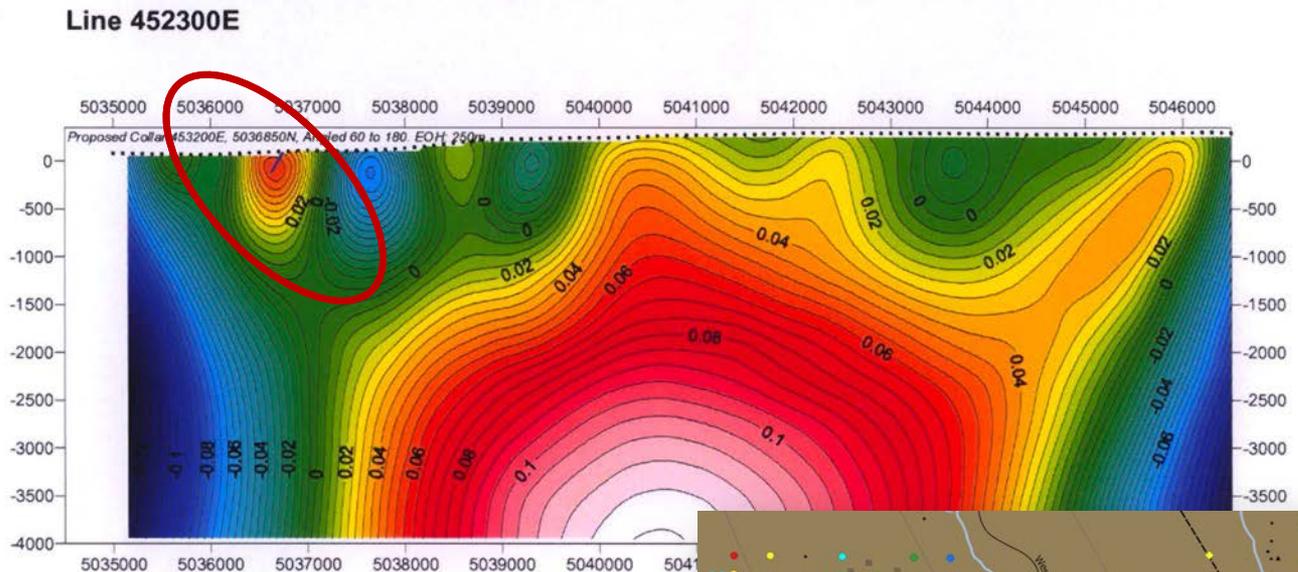


Regional Gravity – NS27 and NS27A-D

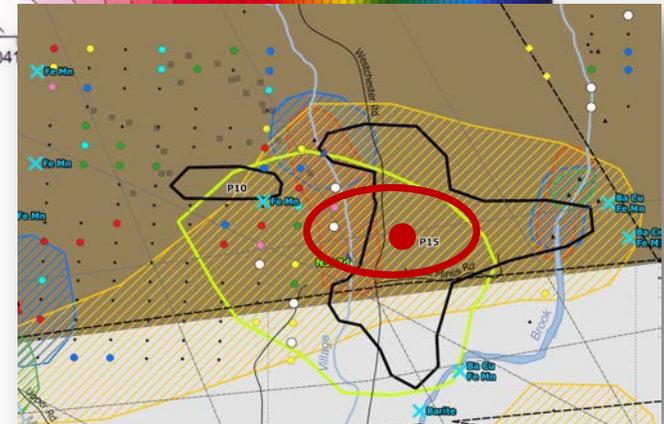
## High Priority Mongoose Drillhole - NS27D

NS27D may potentially be a large ankerite-siderite +/- chalcopyrite breccias body .

An angled drillhole into the center of the gravity anomaly is planned.



2011 reprocessing of gravity data:  
NS27D Drill Collar: 452450E, 5036580N  
-60 degrees towards 180 degree. EOH: 250m

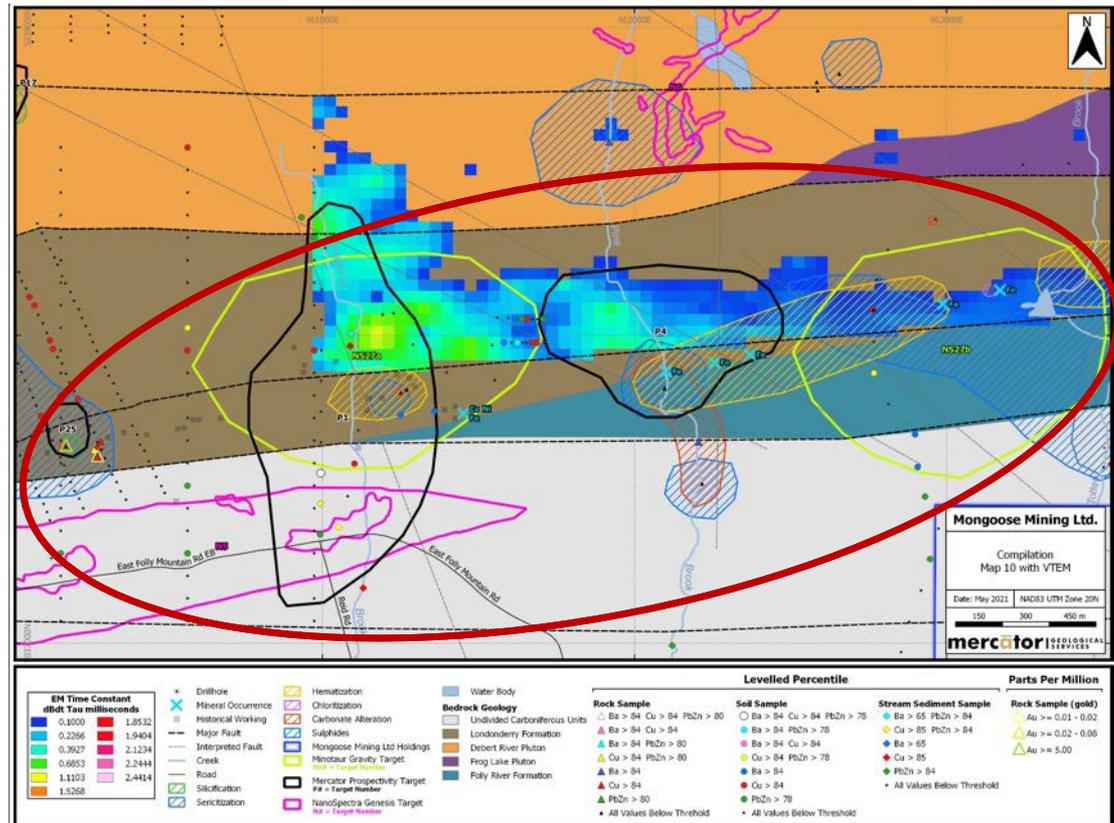


*Coincides with AI Interpretation and alteration halo.*

## High Priority Mongoose Drillholes - NS27A, NS27B and NS27C

The association of widespread iron-oxides, iron-carbonate, iron-silica, barite and crustal penetrating structures and a large heat engine makes this region (NS27A, NS27B and NS27C) a highly significant one for IOCG exploration.

Further interpretation of geophysical data is required for precise collaring details.



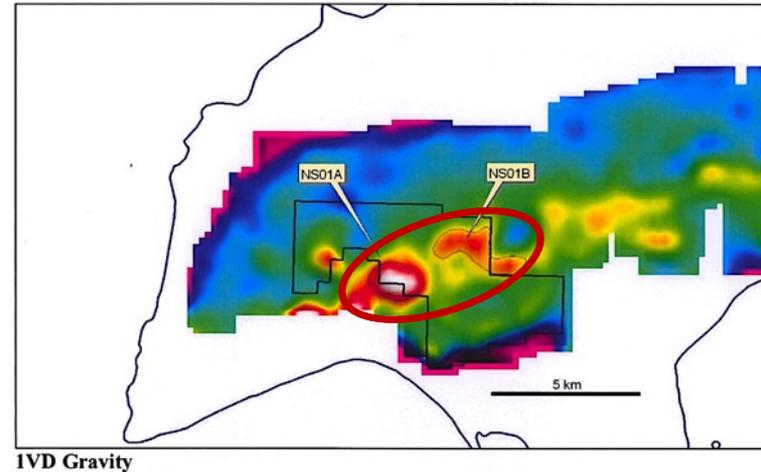
*Coincides with AI Interpretation and Nano Spectra*

## NS01A, NS01B Far West (Minotaur Priority #7)

*NS01A & NS01B are located in New Yarmouth, NS  
(Off the Bass River and Londonderry claim block)*

Target NS01A is a significant discrete residual gravity anomaly an approximate dimension of 1.5 x 1.0 km. There is little to no outcrop over the target, however hybrid granite and gabbro with minor hematite alteration and trace sulphides are exposed to the south. Red-brown strongly sheared and hematite altered conglomerate with 1% chalcopyrite is present along the structure 3km to the northeast of Target 1.

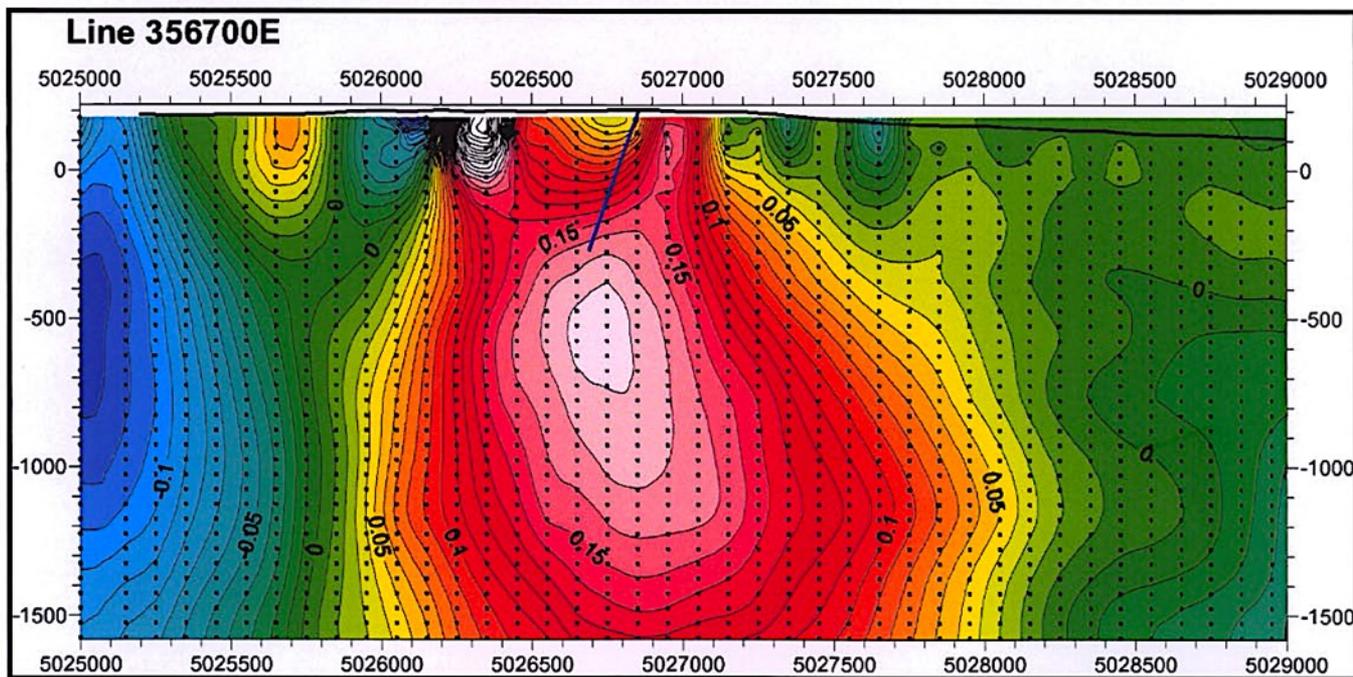
Gravity Target NS01B is present to the north of this mineralized outcrop and is in a similar setting as 1A but is more subtle in amplitude.



Proposed DDH



## Proposed Mongoose Drillhole - NS01A



### Drill Collar

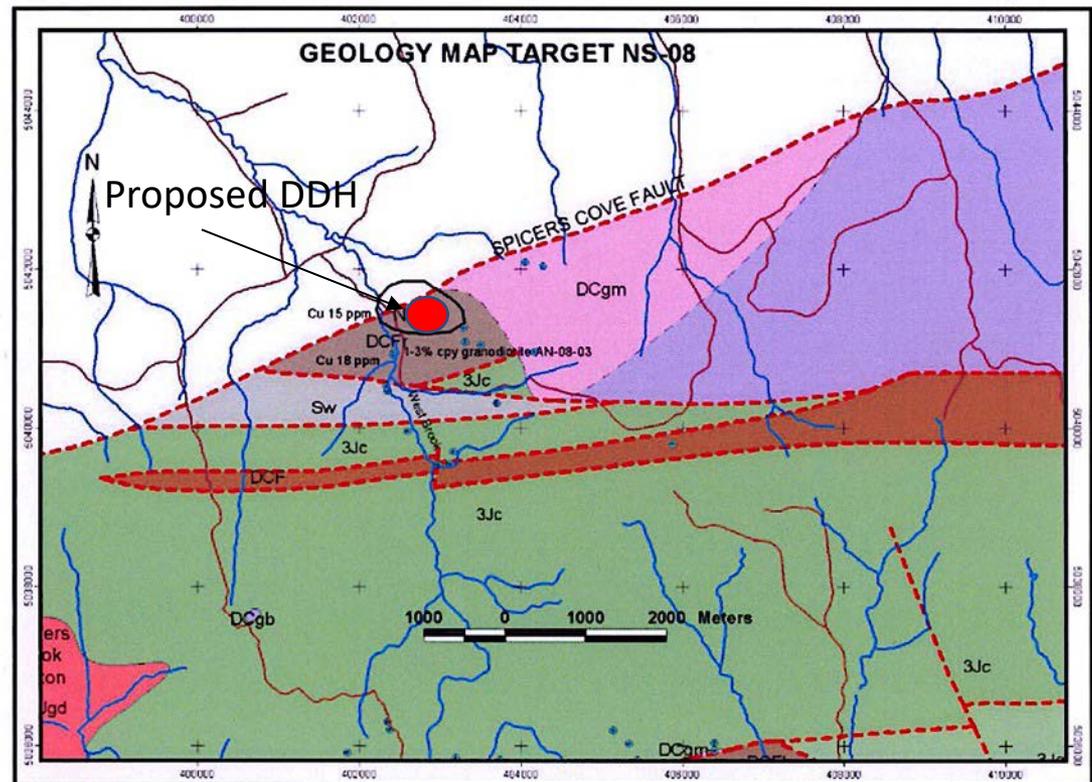
356700E, 5026900N (NAD83, NUTM20).

-70 degrees towards 180 degrees T. EOH: 500m.

## NS08 (Minotaur Priority #8)

*NS08 is located in New Canaan, NS (Off the Bass River and Londonderry claim block)*

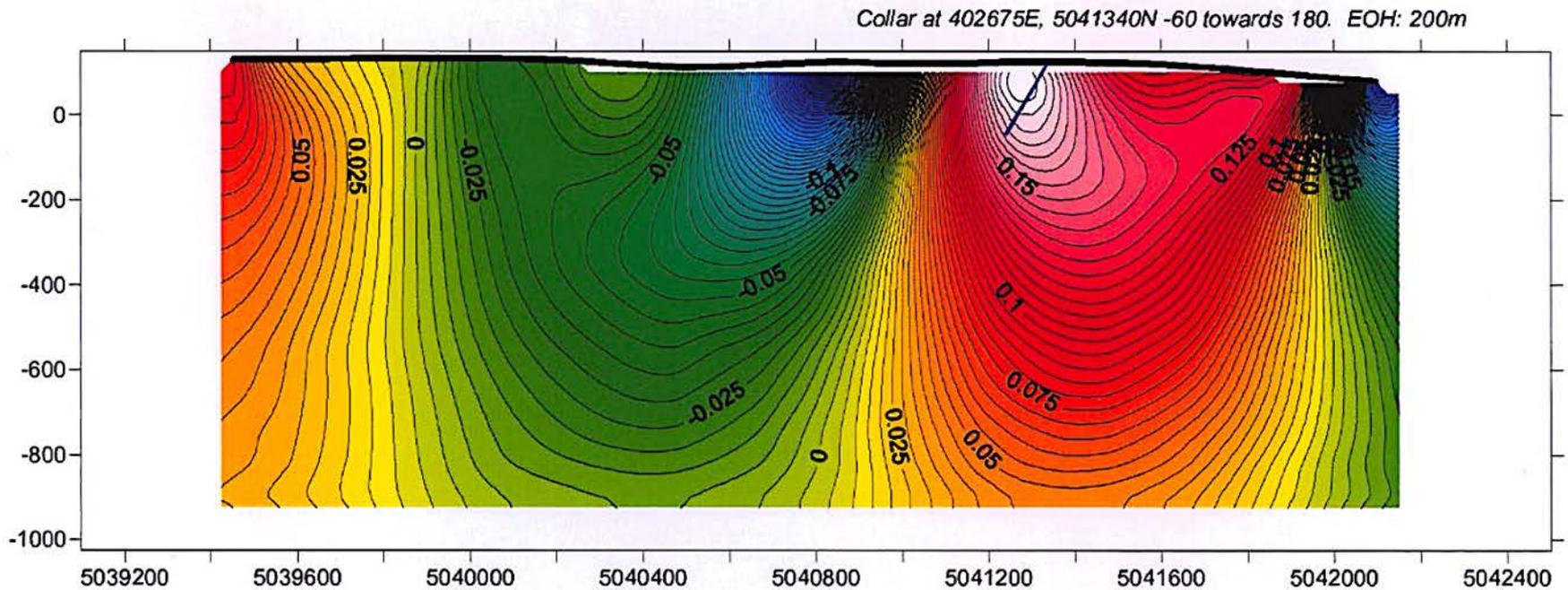
Gravity anomaly NS08 is a discrete oval anomaly on the northern faulted margin of the CCFZ. Field inspection reveals no outcrop, the target being mantled by strongly red-brown oxidized soils. An outcrop of sheared magnetic granodiorite with 1-3% pyrite and chalcopyrite plus occurs 400 meters to the south. Two stream sediment anomalies occur in West Brook.



**NS08 Geology Pe-Piper & Piper**

## Proposed Mongoose Drillhole - NS08

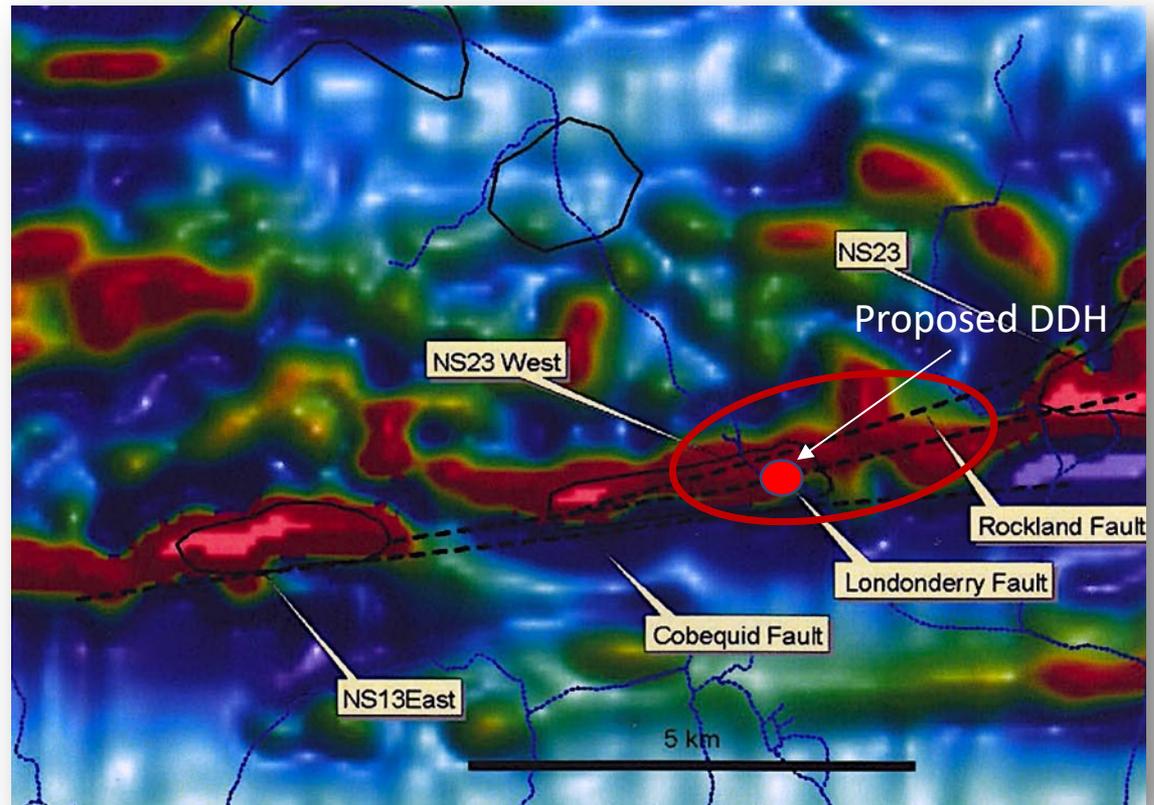
Line 402675E



## NS23 West (Minotaur Priority #9)

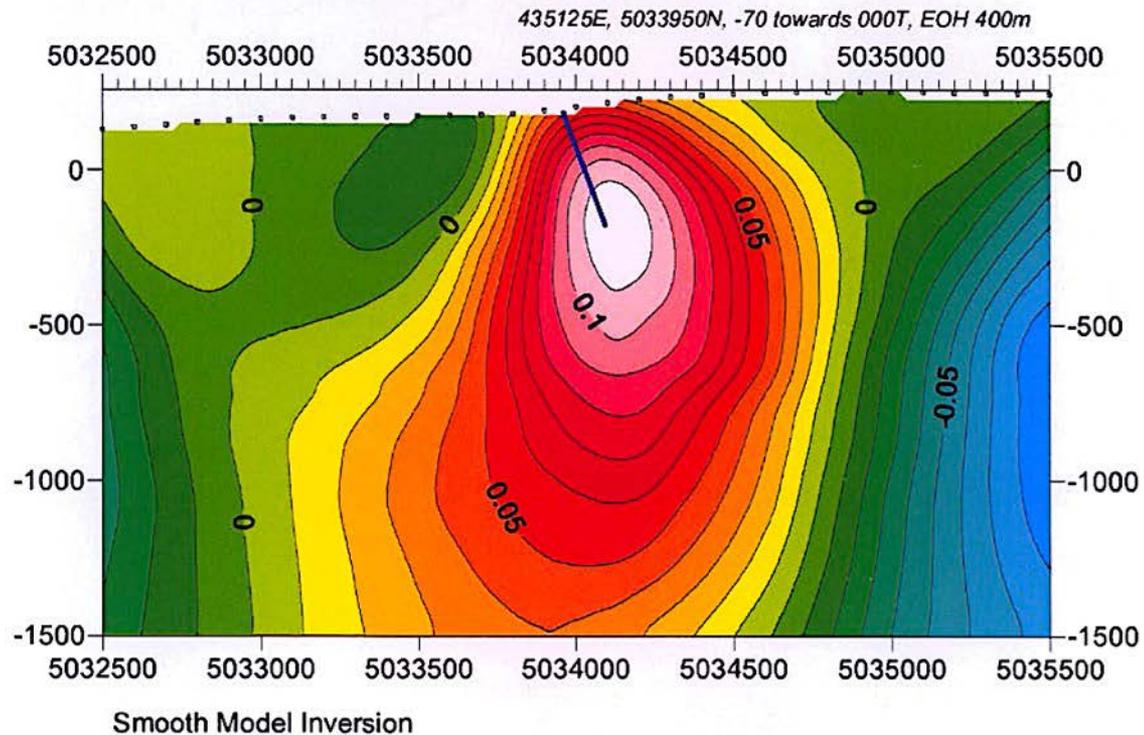
Gravity anomaly NS23 West is closely associated with the margin of an oxidized and hematite altered granite and isolated outcrops of sulphide-bearing magnetite breccias (Mongoose's Fire Road Showing - 1167ppm Co).

A 400m drillhole at the eastern end and centered on the highest gravity anomalism is recommended.



NS23 West RTP TMI (Mag)

## Proposed Mongoose Drillhole - NS23 West



Drill Collar 435125E, 5033950N, -70 towards 000T. EOH 400m

## NS24 (Minotaur Target)

NS24 is a significant and coincident gravity and magnetic anomaly approximately 2.6 x 0.6km. The association of elevated copper and zinc in soil anomalies suggest the target may be mineralized.

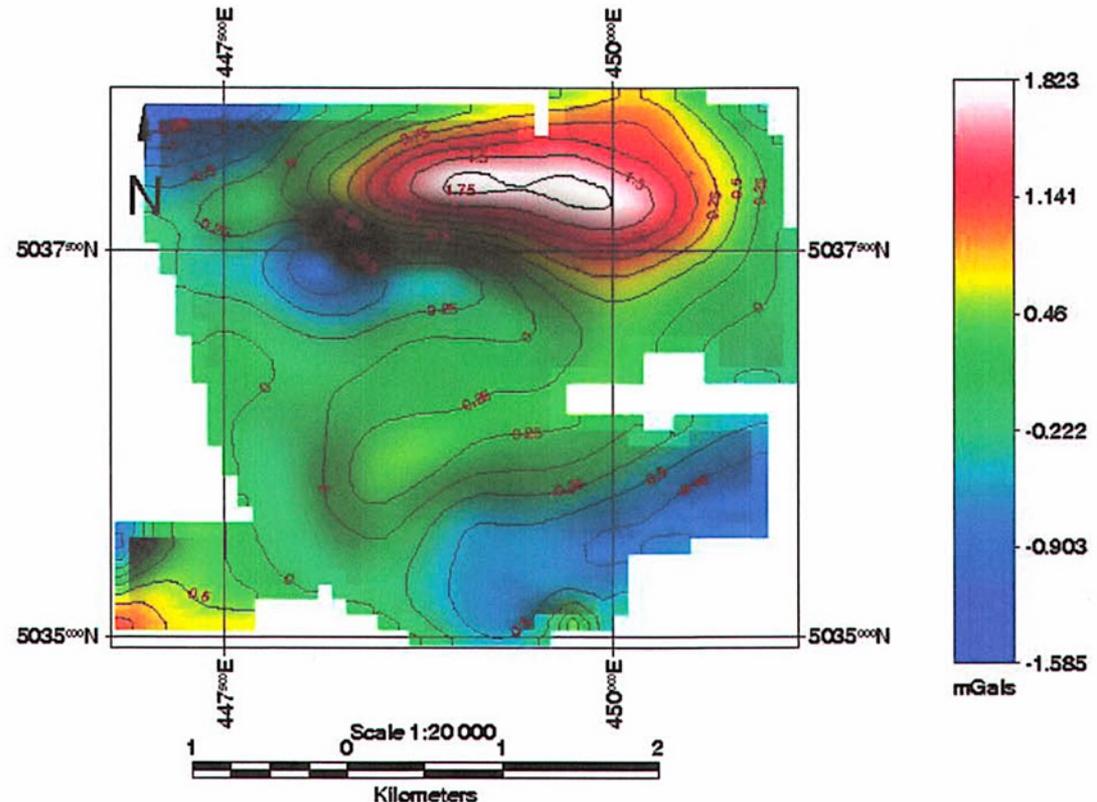


Figure 4 Residual gravity with contours at 0.25mGal intervals.

## Proposed Mongoose Drillhole - NS24

A drillhole is recommended to simultaneously test the gravity and magnetic bodies.

NS24 - Collar:  
449328 E  
5037961 N  
Dip - 75°  
Azimuth - 180°  
Depth - 300m

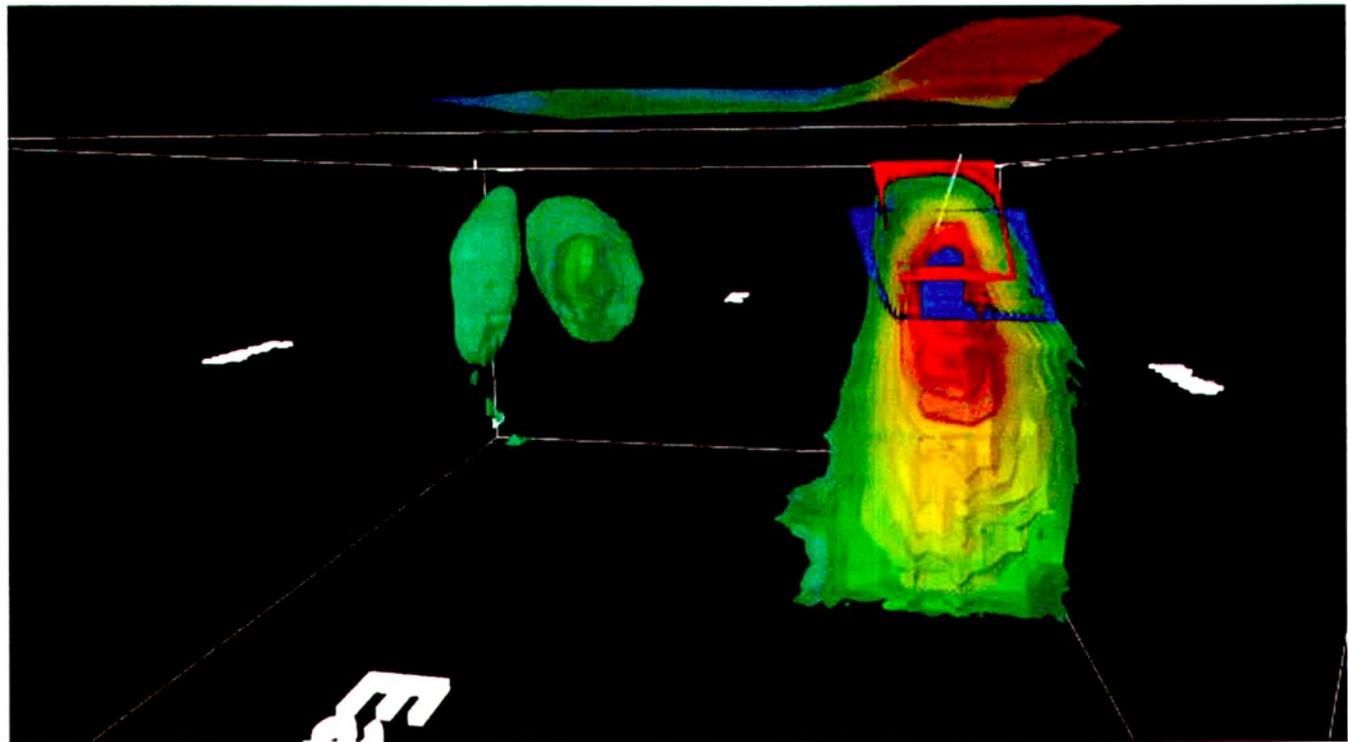
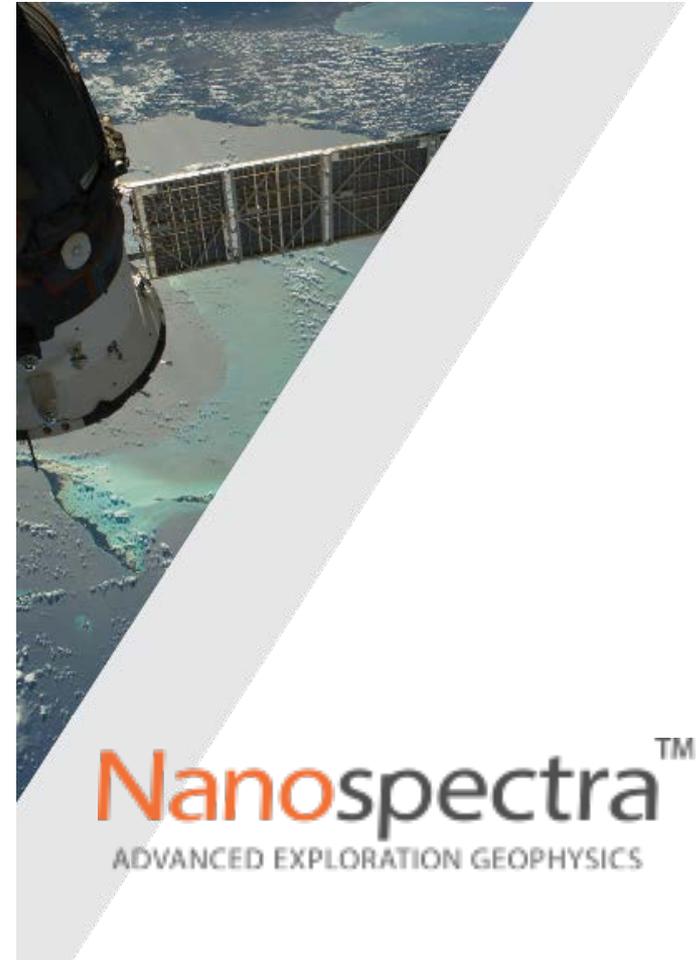


Figure 16 Drill hole NS24 to test gravity/ magnetic anomalies.

## Nanospectra Technology

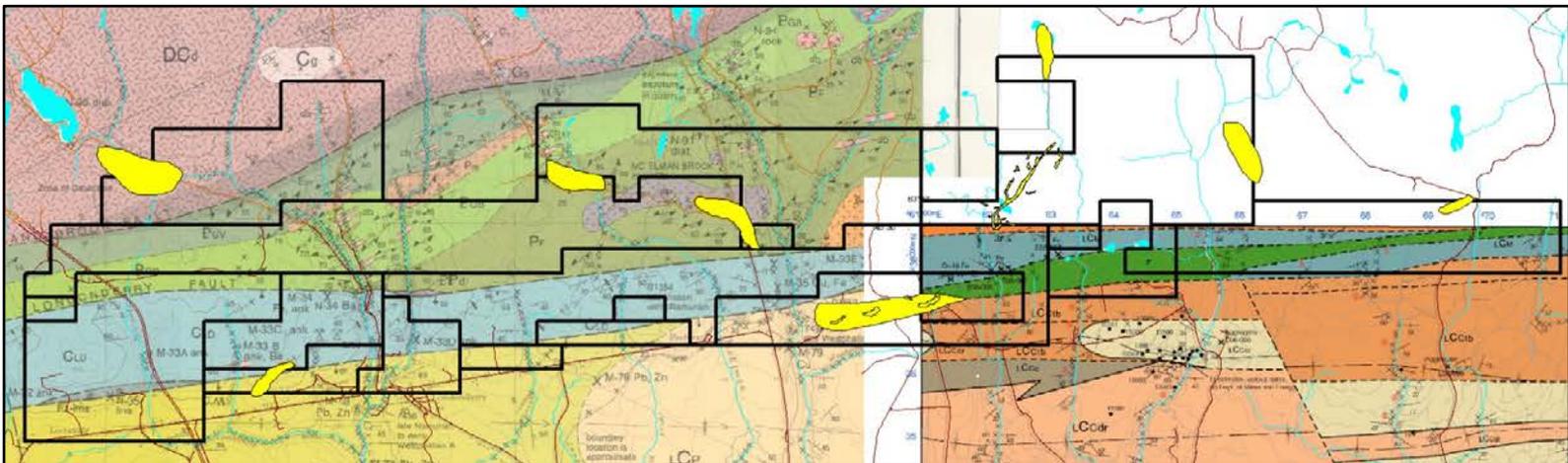
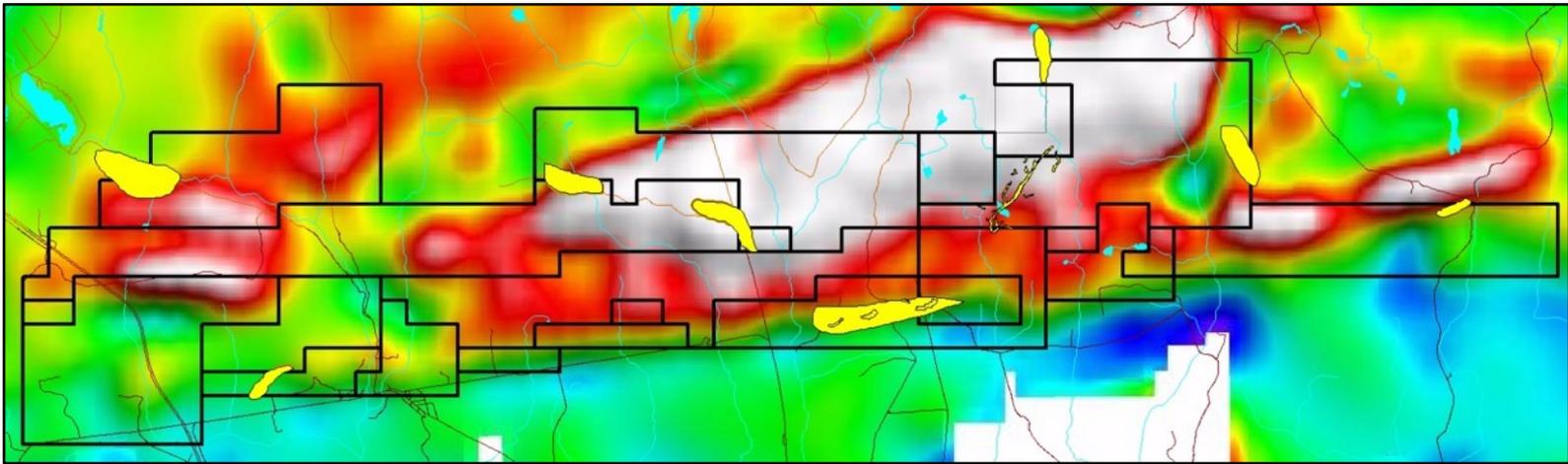
New advanced mineral investigation techniques have been developed using Nanospectra Geophysics (NSG) to assist in regional exploration and improve mineral target confidence. NSG methods are employed in a collaborative, dynamic process directed toward an improved mineral exploration program.

- The NSG Difference - Expertise & Innovation
  - Nanospectra have invested in developing the skills and technologies needed to investigate complex subsurface mineralization in any environment.
- Global Reach
  - The technology can deploy worldwide in any season, climate and at all land-based altitudes.
- Target Mineral Trends
  - NSG can identify actual specific mineral trends which can include gold, silver, copper, nickel and many others.



## Nanospectra Interpretation

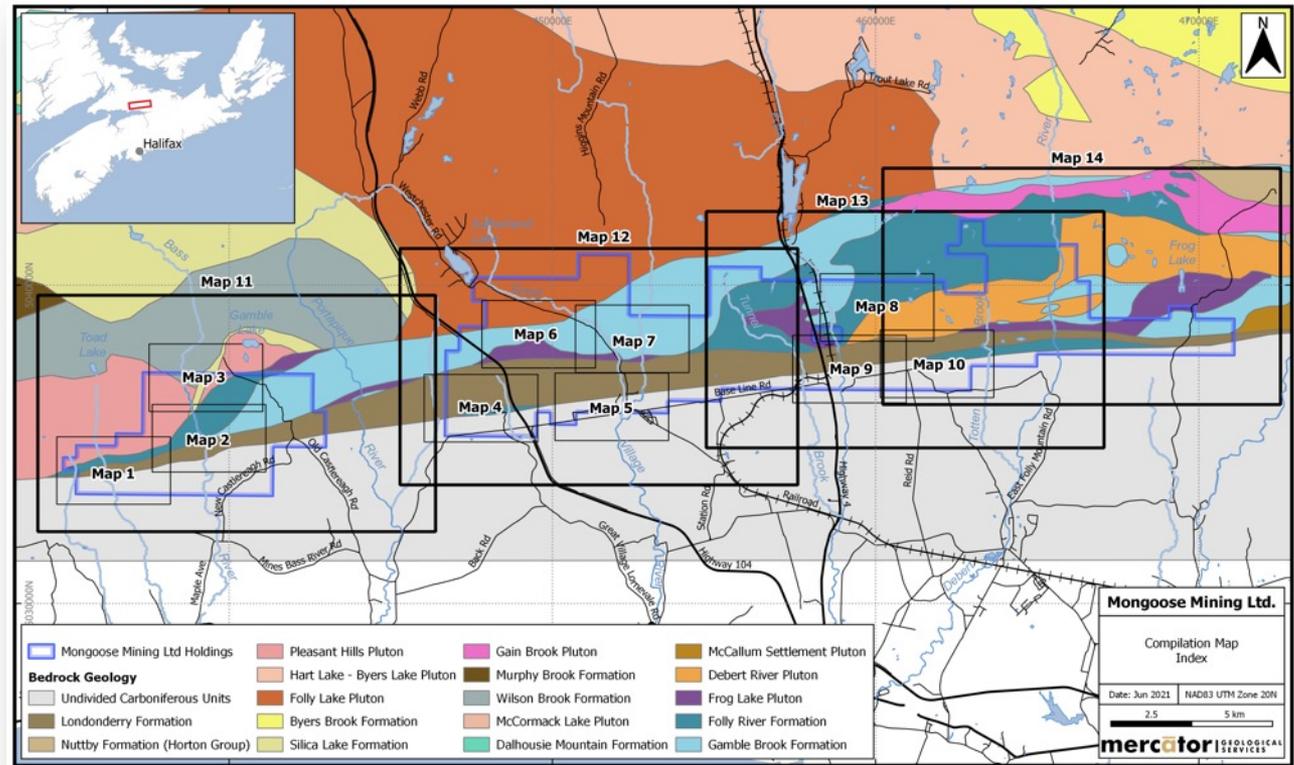
 Au-Cu Anomalies over Londonderry Property



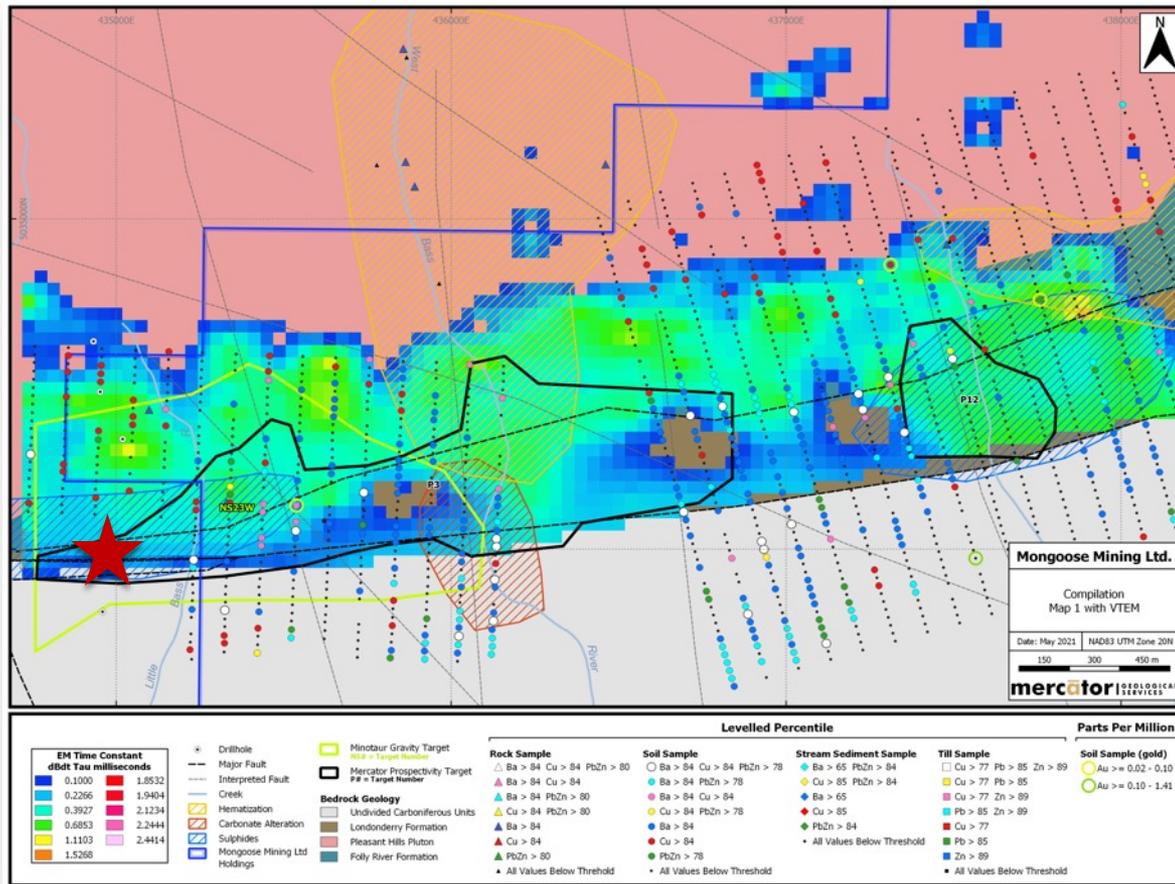
*\*Claims have been infilled and Mongoose holds rights to all Nano Spectra targets.*

## Recent Compilation/Exploration Work by Mongoose

- In 2021, Spark Minerals commissioned Mercator Geological Services to complete an extensive compilation of historical data.
- Mercator's work included data from approx. 150 assessment reports including geochemical and geophysical surveys, geological mapping, drilling and field investigations.
- 28 prospectivity targets were generated using both data and knowledge driven applications with machine learning and geologist defined algorithms.

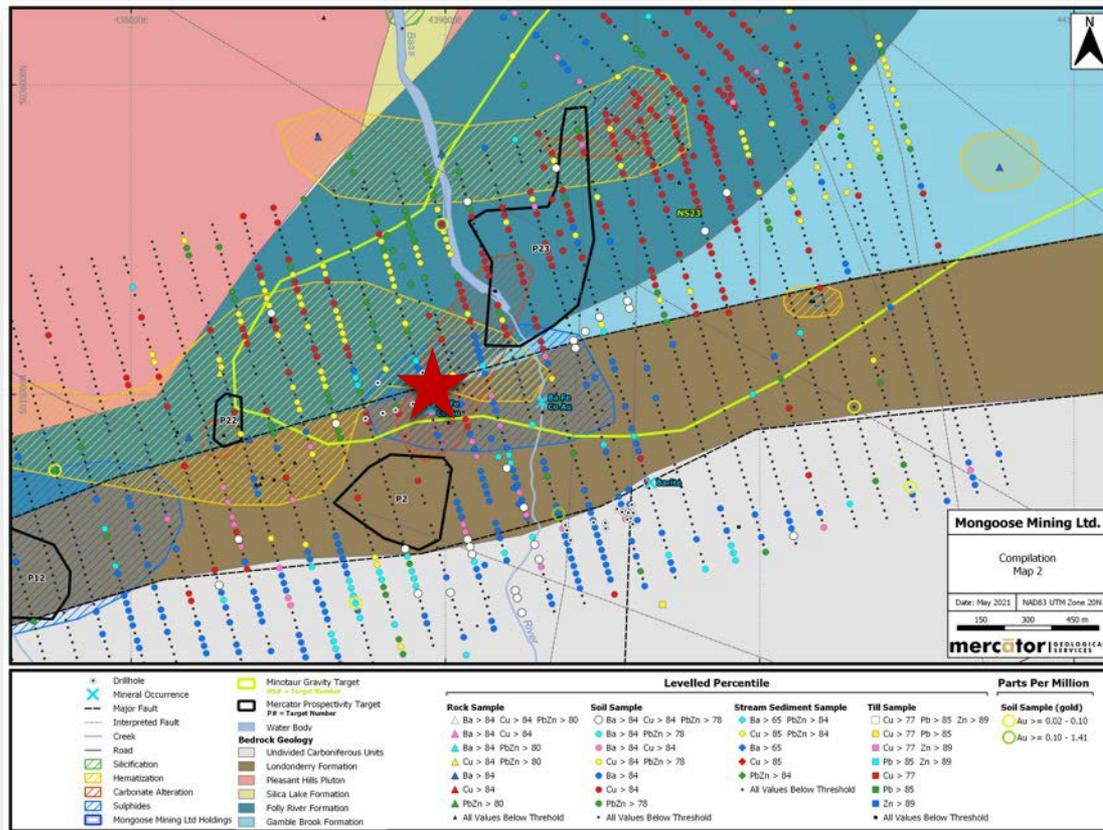


## Bass River West (Fire Road) - Map 1



- Newly discovered 'Fire Road' magnetite occurrence inline with Mercator's prospectivity targets and Minotaur's 'very high' priority drill target NS23 West.
- Over 4 km along strike from Bass River drill site
- Fire Road magnetite outcrops for approx. 15 meters.
- Outcrop samples returned up to 1167 ppm Co, similar to samples from 2020 Bass River drill program.
- Drill permits in place for 2022 diamond drilling.

## Bass River Magnetite - Map 2



- ★ - Mongoose's recent 1056m drill program among cluster of overlapping anomalies.
- Large outcropping magnetite breccia.
- BR-20-01 had 5m interval grading 717ppm Co and 28% Fe.
- BR-20-01, sampled in one-meter intervals, reported values up to 941 ppm cobalt and 39% iron.
- Waiting for lab results on 2021 drill program.
- Minotaur's drill target NS23 considered a 'very high' priority (Priority 3 over all Minotaur targets).
- Follow up drilling planned

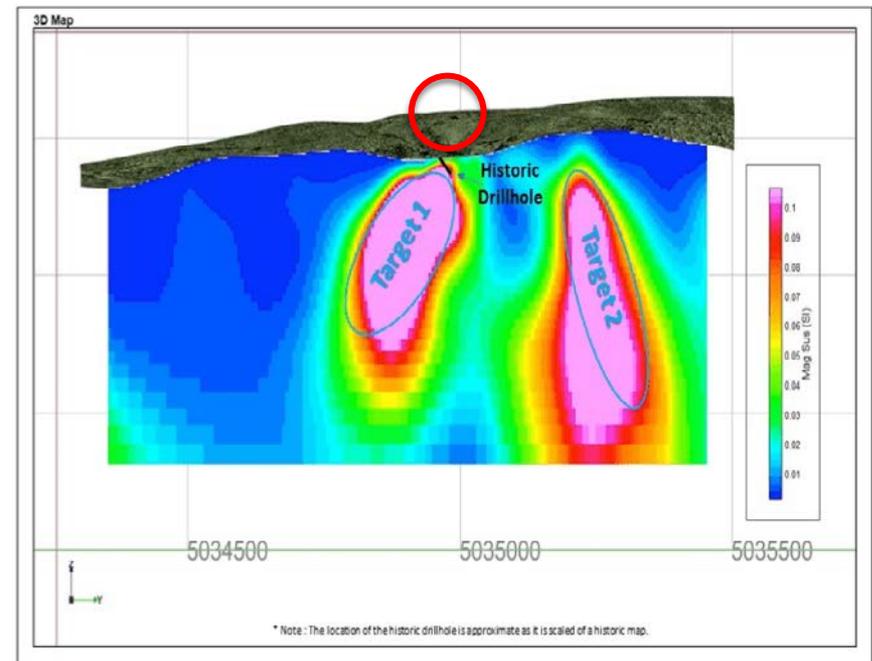
## Two historic drill holes hit significant intervals of Cobalt and Iron at Bass River Magnetite\*

- BR-87-1
  - 25m @ 547ppm Co and 20.9% Fe from 5m depth
- BR-87-2
  - 29m @ 662ppm Co and 21.9% Fe from 3m depth
  - 15m @ 812ppm Co and 26.9% Fe from 15m depth
- The holes were shallow, less than 75M in-depth.
- Similar deposits worldwide show better grade in the heart of the deposit than at the surface. As seen on the slide, the holes just clipped the main IP target.
- Historic work programs identified cobalt concentrates as high as 12000 ppm and gold concentrations as high as 2204 ppb.

\*Technical results for these drill holes can be found in the news release posted on [www.Sedar.com](http://www.Sedar.com) by Chilean Metals Inc. on July 23, 2018.

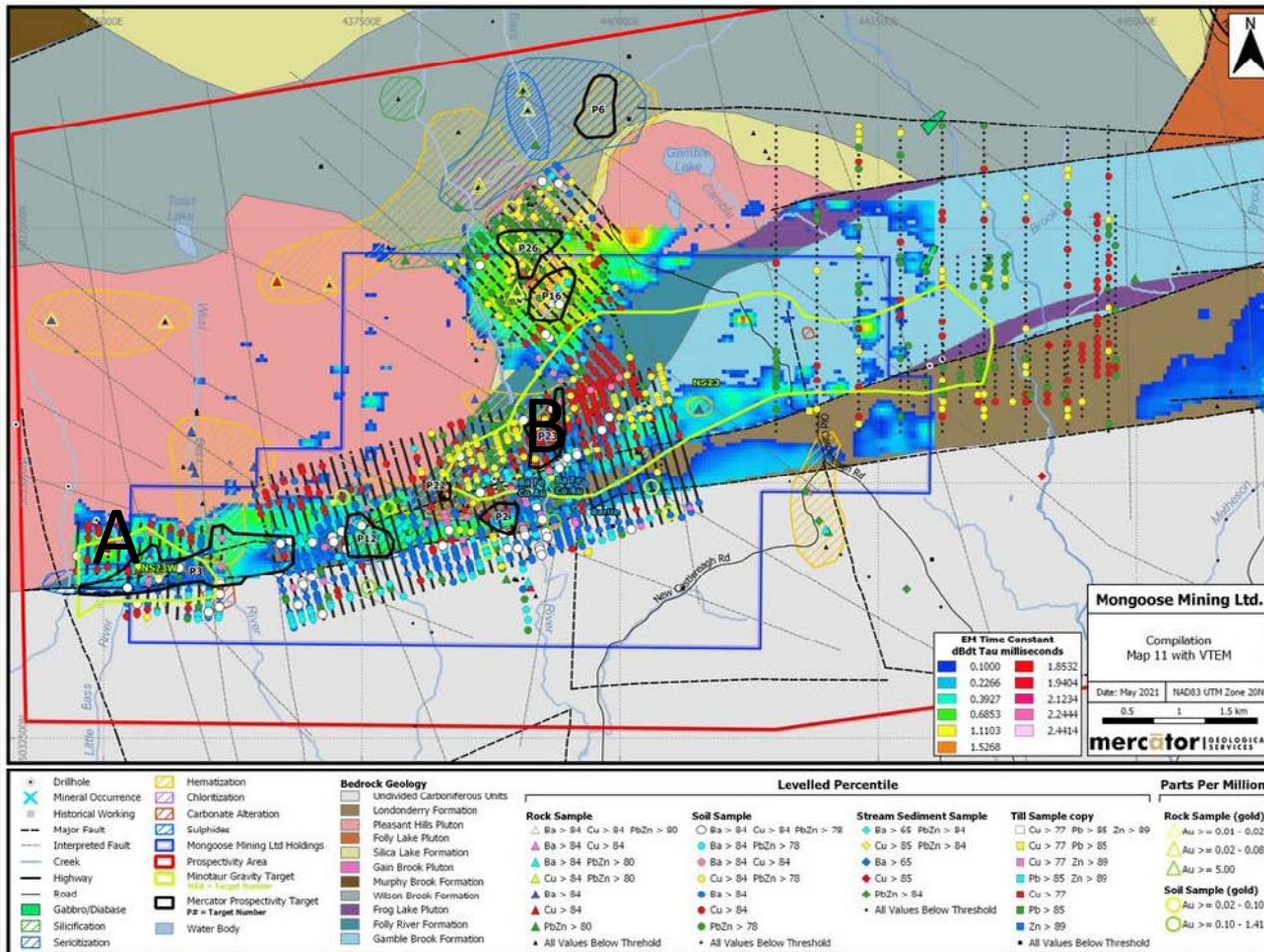
## Recently Drilled, Waiting For Results

Section 438925E 3D Magnetic Model



*Mongoose is waiting on results for a 218m hole (BR-21-06) that was mineralized for almost the entire length (approx. 145m deep)*

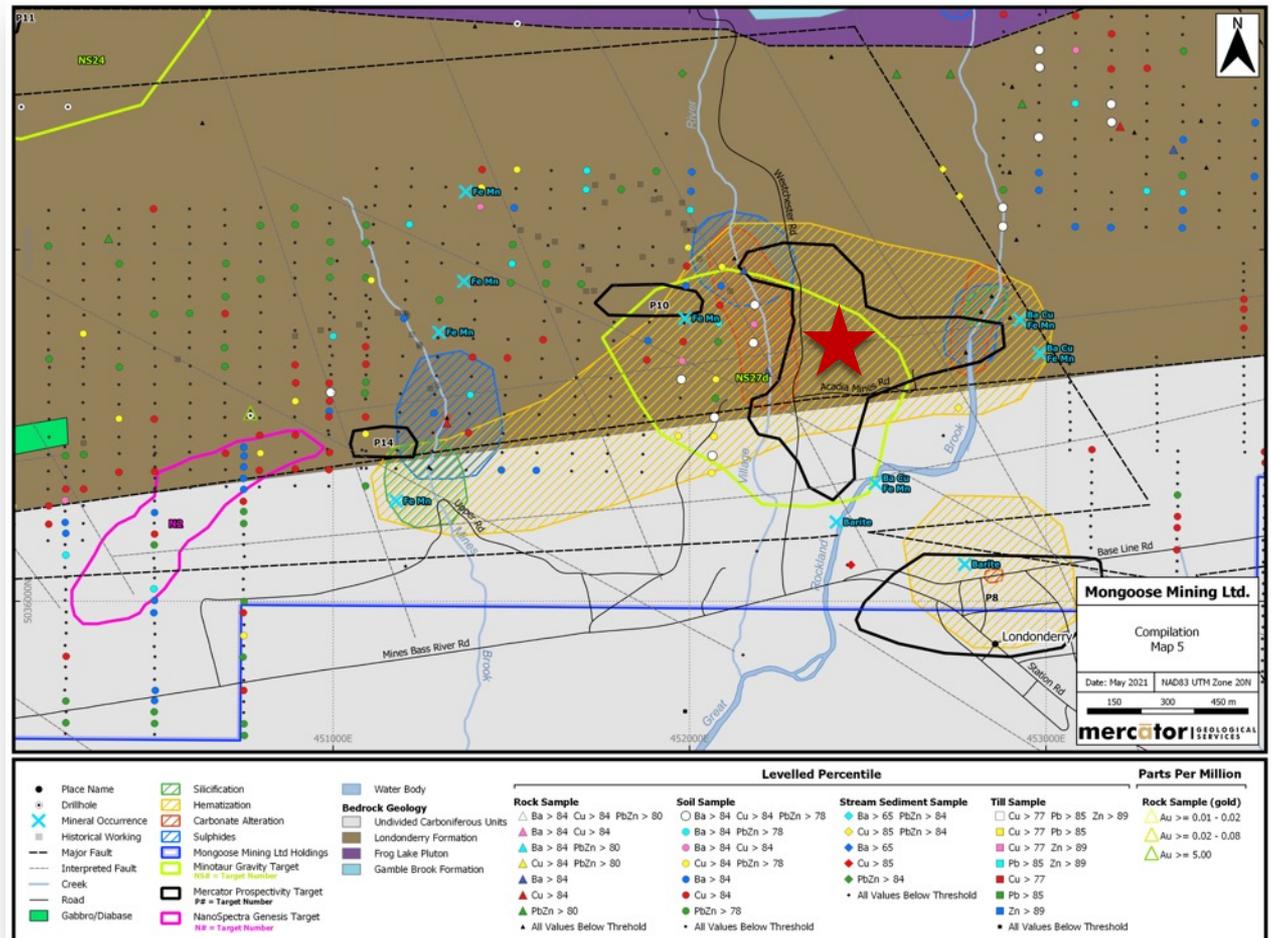
## Mercator Compilation - Bass River (Map 11)



- Full compilation of data including VTEM of Bass River claim block.
- Elevated cobalt numbers in outcrop from (A) Fire Road and (B) Bass River magnetite quarry (>4 km)
- Several unexplored targets along strike.
- Almost entirely forestry and crown lands.

## Mercator Compilation - Londonderry West (Map 5)

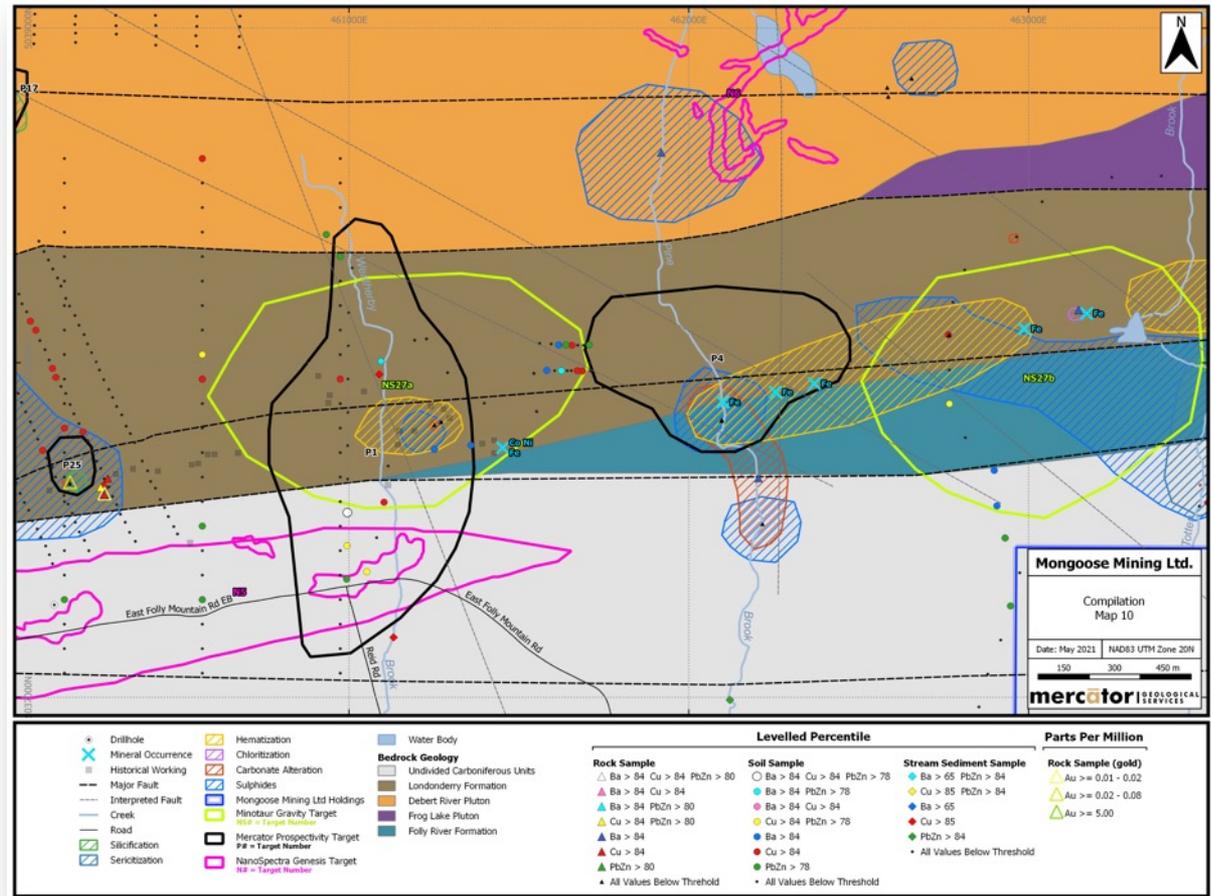
- Historically significant Londonderry Iron Mines with widespread ankerite, siderite and iron oxides.
- Multiple overlapping anomalies yet to be explored.
- Minotaur sample NS-24-55 reported having 5 g/t Au and 1.77% Cu.



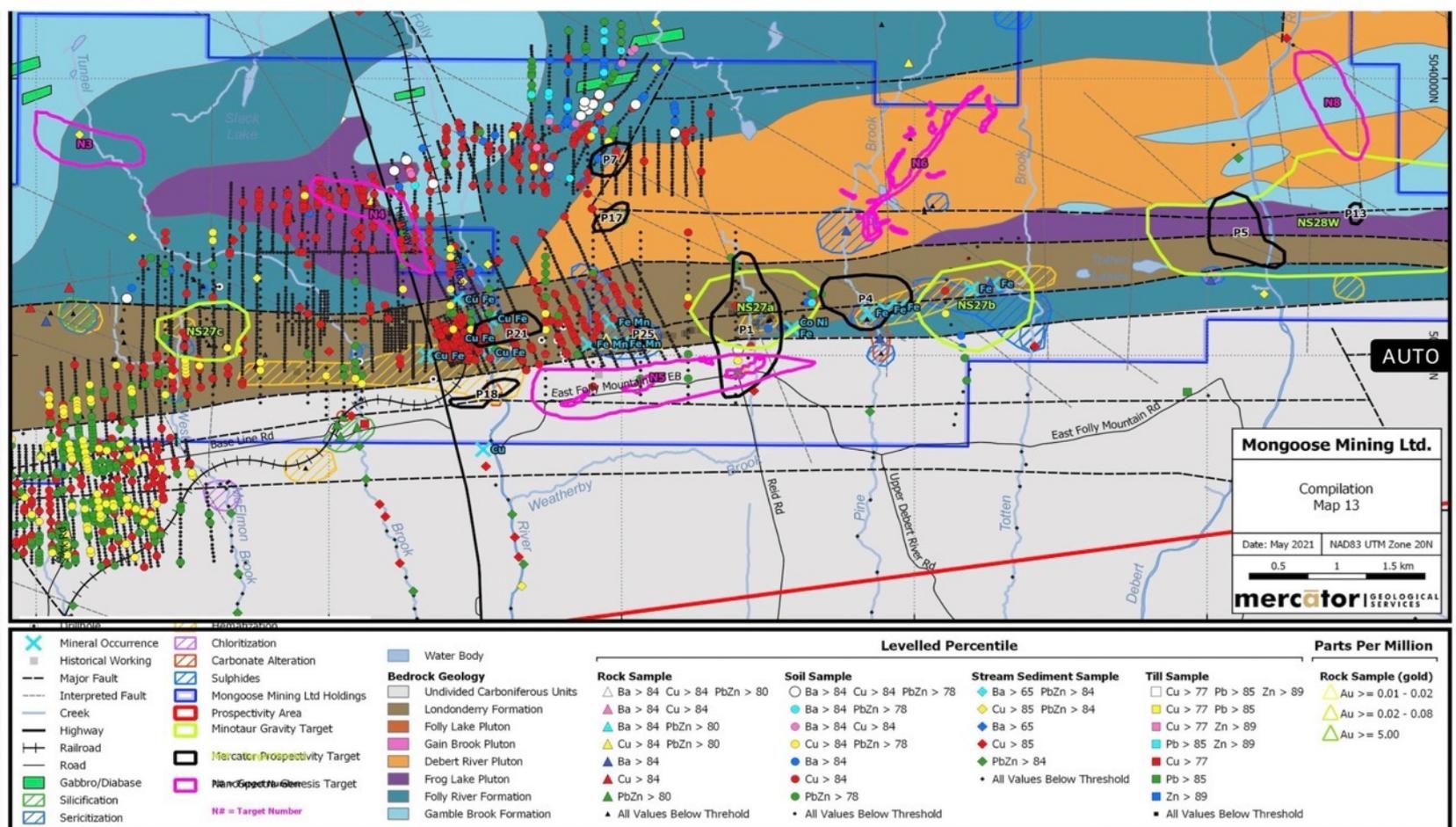
- Minotaur's NS27D is considered 'very high' priority and located on accessible private land.

## Londonderry East (Map 10)

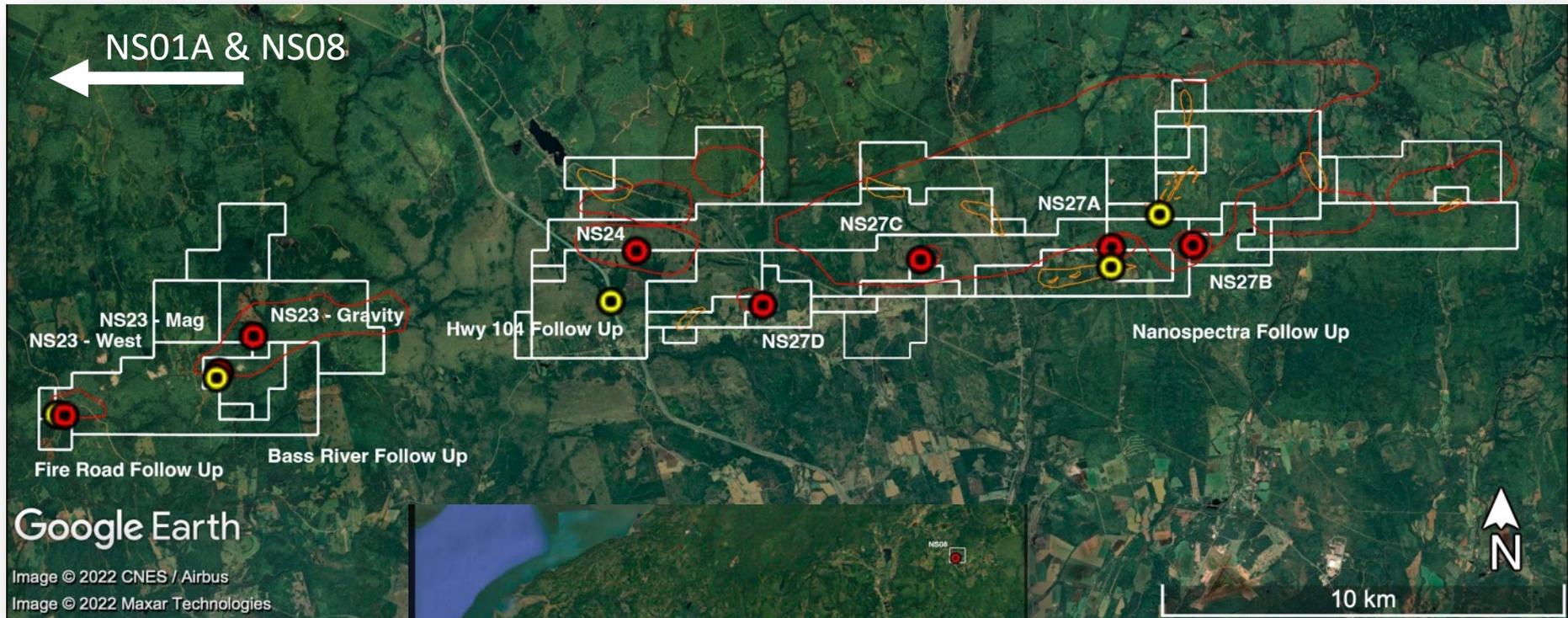
- Several overlapping targets, with easy access on private lands.
- Minotaur drill targets considered 'very high' priority - NS27A and NS27B.
- Nano Spectra targets with favorable access to drill. (Waycott and Pine Lake anomalies)
- Historically significant East Folly Mountain Iron Mine.
- Under-explored, high potential.



# Londonderry (East) - Map 13

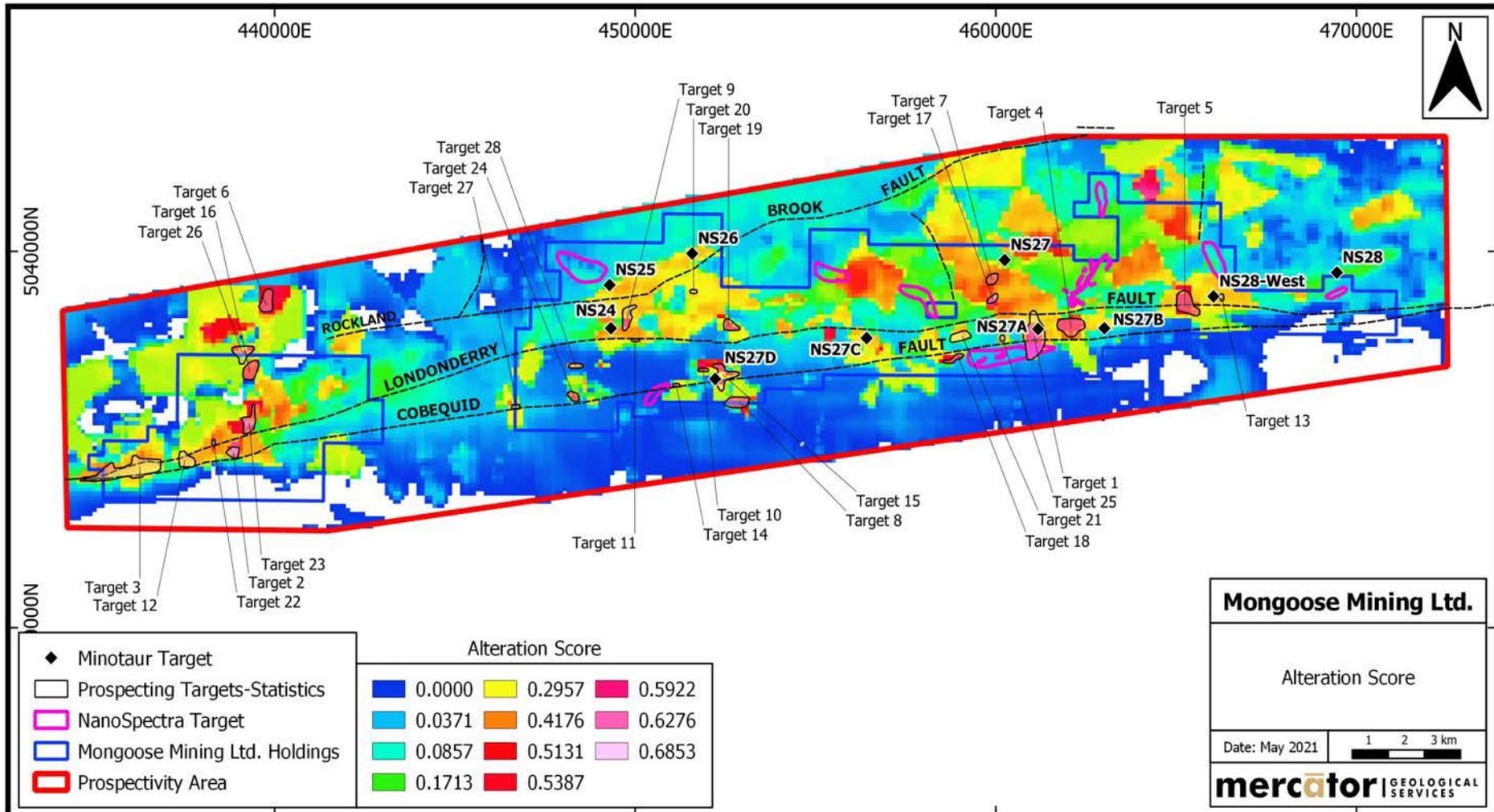


## Mongoose Proposed Drillholes



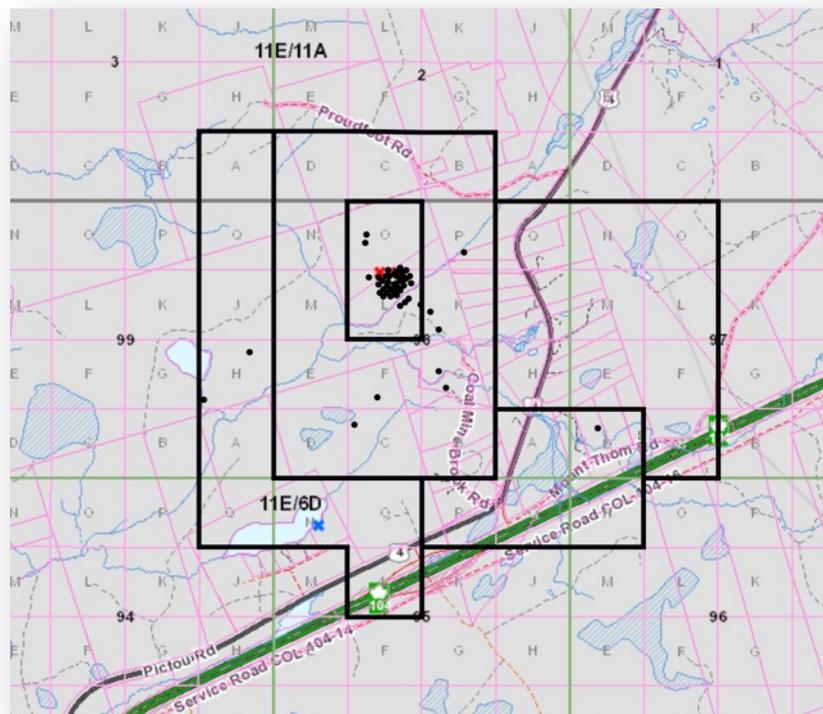
-  Minotaur DDH Targets
-  Mongoose DDH Targets

# Property Wide Priority Targets



## Newly Acquired: Mt Thom, Nova Scotia

- Steele Run Copper-Cobalt-Gold IOCG deposit located at Mt Thom, Nova Scotia.
- 300,000 tonnes **Copper** grading 1.5% delineated from drill core. (Includes core section grading 1.66% Cu over 4.72 meters). Open in several directions.
- **Cobalt** values range from 0.057% to 0.863% in historic core samples.
- Grab samples returned up to 3.32% Cu and 0.61 g/t **Gold**.



*Mt Thom - Near Drill Ready*

*Values listed above are historic in nature and are not NI 43-101 compliant.*

*Bass River Drill Site*



*Bass River Outcrop (Fe/Co)*



*Hwy 104 Outcrop (Cu)*



*DDH BR-20-01*



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## The Mongoose Opportunity

Critical minerals such as **cobalt, copper**, lithium, graphite and nickel are essential materials in electrification and decarbonization. Western countries, like Canada and the US, are dependent on these imports from places like Indonesia, China and the DRC to supply the demand.

As we strive to ensure security of supply, an IOCG in Nova Scotia could play an important part as Canada continues to conquer climate control.

### High Potential for a New Copper - Gold - Cobalt Discovery in Atlantic Canada

- Raising global and domestic demand for critical minerals (cobalt and copper)
- CCFZ has proven IOCG mineralized structural environment
- Significant Fe+Co+Cu showings throughout project areas
- Extensive compilation of geophysical, geochemical and geological database (Very little cost)
- Application of new exploration technology and AI learning
- Multiple prioritized near-ready drill targets
- Little to no drill testing of IOCG targets completed to date

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