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#### **Introducing Martin Laboratories EMG**



With seven Energy Metal Properties worldwide, Martin Laboratories EMG (MLE) is committed to powering the green energy, EV, and ESG revolution from the source.

Martin Laboratories EMG (MLE) has strategically acquired multiple advanced exploration stage projects with historic potential in Norway, Sweden, and Eastern Canada. Each project has the potential of containing these incredibly rare and valuable natural resources.

Perhaps the only factor more important than the acquisition of these materials: the environmental and social responsibility that take precedence on these projects. Known as ESG (Environmental, Social, and Governance Criteria), Martin Laboratories is dedicated to improving the state of the environments and communities in which our sites are located.



#### **Driven by an Experienced Team**





Ellis Martin CEO & Founding Director

A broadcast journalist, marketing consultant and serial entrepreneur with a career spanning four decades with a focus on the natural resources and biotechnology sectors.



Glen Harder LLB Director and Co-founder

A corporate lawyer and proactive deal maker.
He possesses deep experience and industry knowledge in international mining and finance.



Jeffrey C. Edelen Chief Geologist

Over 14 years of economic mineral exploration and research experience. His expertise is in generative exploration and project development with both foreign and domestic major and junior mining companies.



Johannes Holzäpfel VP of Exploration – Europe

Has over 8 years of experience in the mineral exploration industry. He worked in copper and gold exploration in Africa and Sweden.



Lidell Page, VP of Business Development

A managing director of Overhill Capital, a private equity fund with approximately \$60 million in assets. Lidell is also a practicing attorney, working in finance, international, securities, and project finance.



#### Amanda McCallum BSc (Geo), BEd Geological Advisor

A geologist, prospector, educator and communications specialist with over 20 years experience. Her primary areas of professional services include geoscience communications, geoscience products and services.

#### Driven by an Experienced Team - continued



**Nancy Massicotte** 



Michael Collins
BSc, P.Geo
Geological Advisor
He specializes in mineral
exploration, deposit
modeling and project
development; and has
supervised projects in East
Africa, South and Central
America, and Southeast
Asia.



Bob Mahin
Geological Advisor
Extensive experience in senior-level exploration and resource
management. He has broad knowledge in project management, mineralization systems, drilling, and employee engagement.



Corporate
Communications
Has been involved in the investor relations and public relations field for over 20 years, working with companies in various sectors including mining, technology, bio-tech, and oil and gas.



Peter M. Dimmell, BSc, P.Geo. FGC - Strategic Geological Advisor
A geologist / prospector / consultant who has been involved in mineral exploration for over 35 years. He brings considerable technical and geological experience to MLE.



Corporate Secretary
Over 15 years of
experience working in
corporate and
sustainability governance.
An experienced corporate
secretary, corporate and
sustainability governance
professional and business
strategist.

**Kendra Low** 

#### **Newfoundland and Labrador**



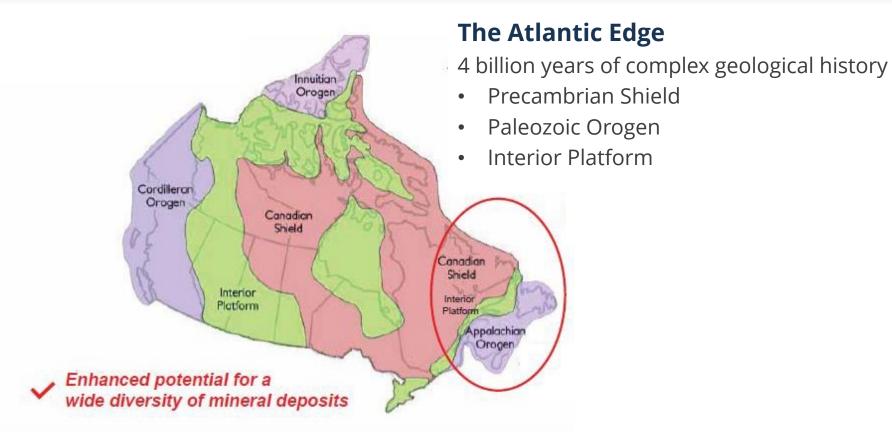


# **Newfoundland and Labrador Eastern Canada Mining District**

- Atlantic seaboard neighbors.
- Long-standing business, political and cultural ties.
- History of trade and investment natural resource investment sectors.

#### **Geodiversity and Commodity Diversity**



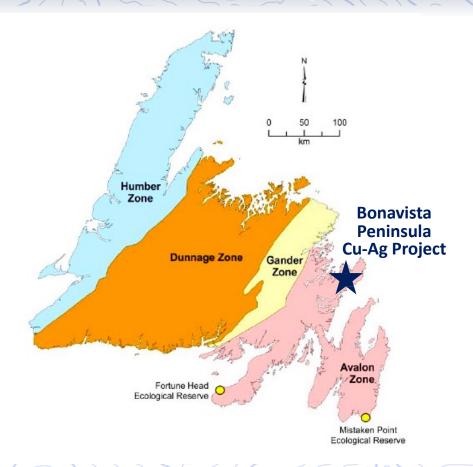


#### **Geologic Tectonic Zones of Newfoundland**



# **Major Geologic Zones of Newfoundland**

- The rocks of Newfoundland are divided into major geologic zones.
- The zones, from west to east, are
   Humber, Dunnage, Gander and Avalon.
- While the Humber zone has been a part of North America for at least the last billion years (1000 million), the other three zones are relative newcomers.



#### **Newfoundland and Labrador - Introduction**



- The Port Rexton sediment hosted copper-silver prospects are located on the Bonavista Peninsula in the province of Newfoundland and Labrador, Canada.
- This area can be accessed from the Discovery Trail, Bonavista Highway, Route 230.
- Mineral prospects are accessible by foot via gravel roads and foot paths.
- Mining friendly; 150 year mining tradition.
- Politically stable with a transparent permitting process.
- Established mining and taxation laws and regulations.

- Online mineral rights acquisition and management.
- Modern geoscience database.
- Modern infrastructure.
- Robust service and supply chain.
- World class mines and processing facilities.
- Commodity diversity (The Avalon Terrane of eastern Newfoundland is host to world- class mineral deposits, including active mining projects such as the Trinity Resources Pyrophyllite Mine, Manuels, Conception Bay South as well as Canada Fluorspar's St. Lawrence Mine (fluorite) on the Burin Peninsula.

## **Project Summary - Fifield's Pit (Port Rexton)**



#### **Copper-Silver Prospect**

# This area is prospective for sediment-hosted stratiform copper deposits.

- Underexplored prospect with 3 modest shallow drill holes.
- Fifield's Pit Cu-Ag Prospect Drill Hole # 2:
  - Considered to be the 4th best drill hole for Cu-Ag on the Bonavista Peninsula;
  - Assayed drill core yields between 15 to 20 m of 1000 ppm Cu with anomalous Ag.
- Area has numerous anomalous copper in till and lake sediment samples that have not been systematically explored in all directions.
- South of the Fifield's Pit Prospect is a broad 500 m by 1000 m copper in soil anomaly that has not been adequately explained.
   Values in soils include 700, 2300 and almost 4000 ppm Cu.



## **Project Summary - Continued**



#### **Copper-silver Prospect – Fifield's Pit**

- A potential residual magnetic anomaly has been noted near the western part of the property. This anomaly is located back up ice from anomalous copper in till and lake sediment samples.
- Dr. Jon Thorson, a recognized expert in sediment hosted copper-silver deposits, considers the mineralized grey bed at the Fifield's Pit Prospect to be similar to the mineralized "grey bed" at Tickle Cove – Blue Point on the north side of the Bonavista Peninsula. At this locality, several economic grade copper-silver intersections were previously drilled by Cornerstone Resources and Noranda Exploration Company Ltd.



### **Previous Exploration**



- The Bonavista Peninsula has an intermittent history of mineral exploration.
- In the early 2000s, copper showings and prospects garnered exploration.
- Assessment reports prepared by Cornerstone Resources, Noranda and Vale Exploration Ltd provide more information about mineral exploration programs conducted in the 1990's and early 2000s.
- Mineral exploration was focused on the search for sedimenthosted stratiform copper (SSC) deposits. Surveys included mapping, lake sediment and soil sampling along with further tills, prospecting, as well as limited drilling near Port Rexton.
- Drilling mostly focused on the Red Cliff-Blue Point Copper-Silver prospects to the north. Many soil, till and lake sediment anomalies for copper have not been fully evaluated.

The late Neoproterozoic age rocks along with the Cambrian cover rock sequences are postulated to hold good potential for sediment hosted "red bed" Copper-Silver deposits.

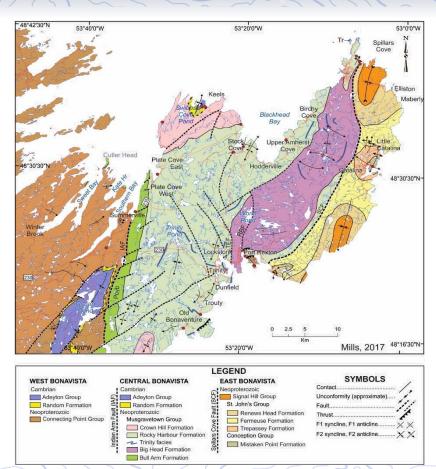


#### **Geology of the Bonavista Peninsula**



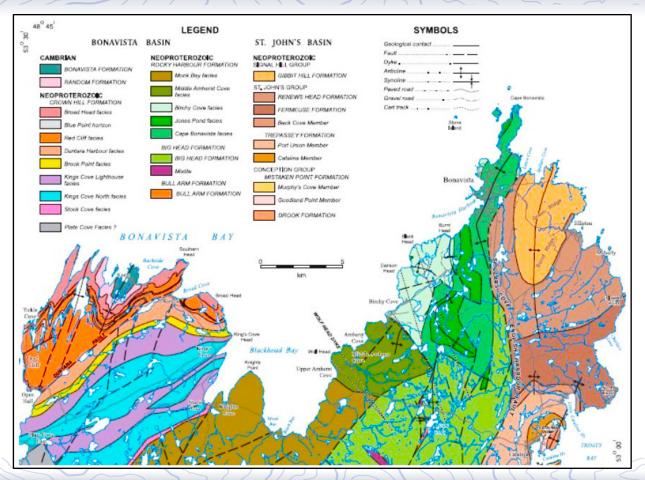
#### **Regional and Property Geology**

- Claims are located in the Avalon Tectonostratigraphic Zone of Newfoundland.
- The Avalon Terrane is dominated by a complex assemblage of Neoproterozoic sedimentary, volcanic and plutonic rocks developed between 760 and 540Ma.
- The Neoproterozoic assemblage is overlain by Cambrian and locally Ordovician sedimentary rocks of shallow water setting.



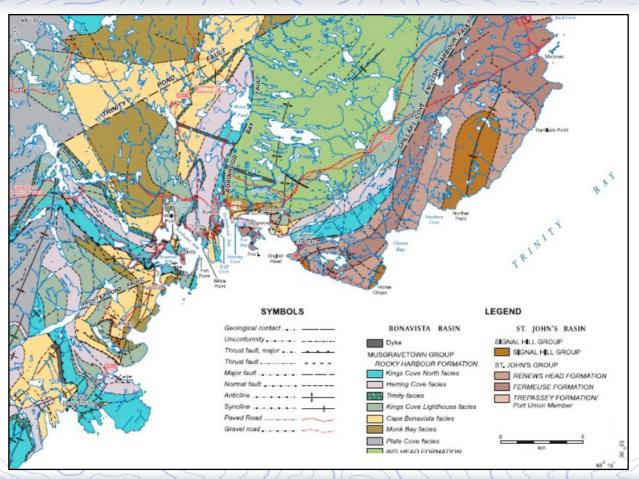
### **Geology of the Bonavista Peninsula**





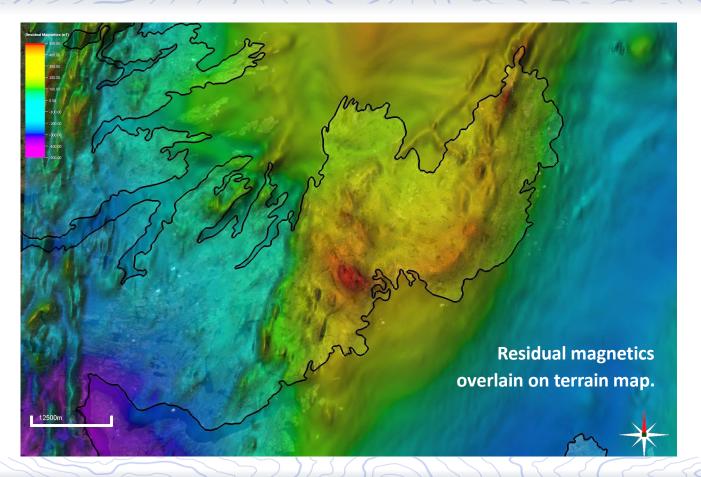
#### **Geology of the Bonavista Peninsula**





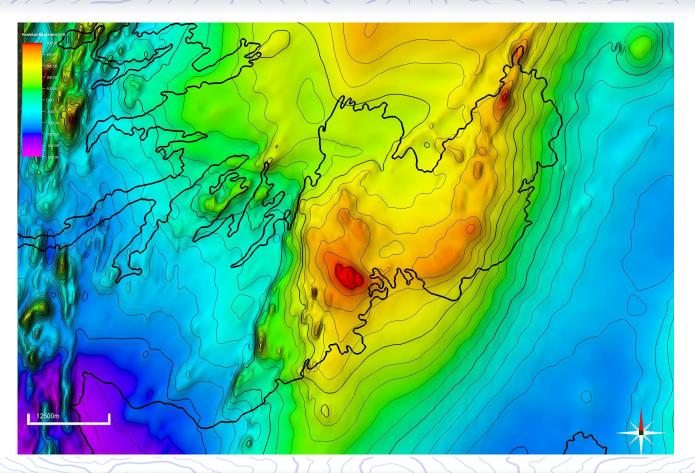
# Residual Magnetics - Bonavista Peninsula





# Residual Magnetics - Bonavista Peninsula

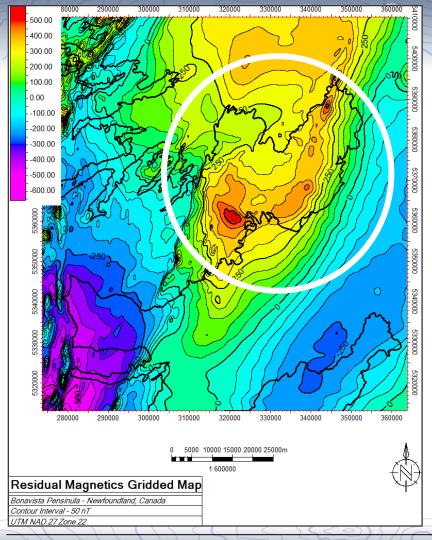


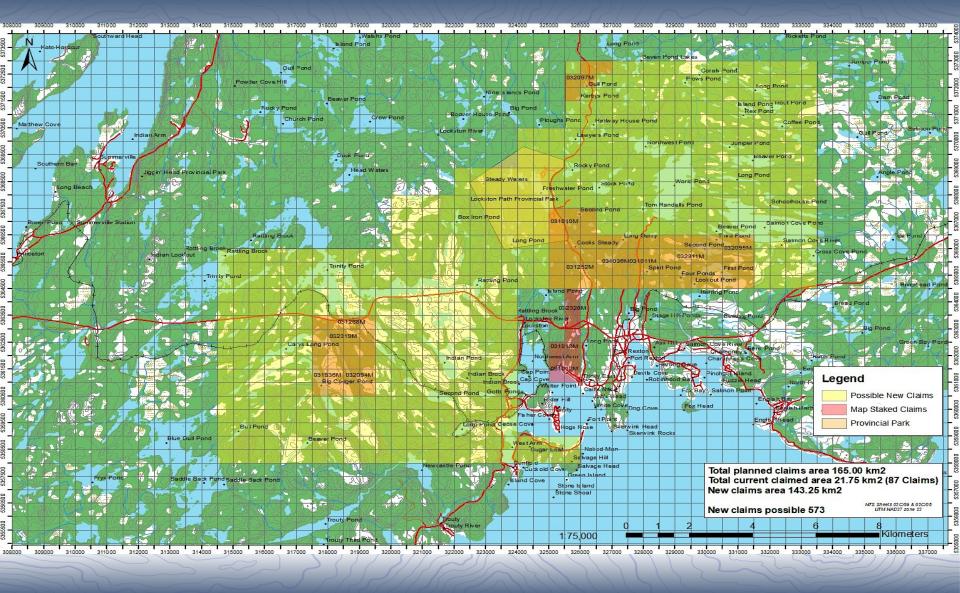


## **Residual Magnetics**

#### **Residual Magnetics Gridded Map**

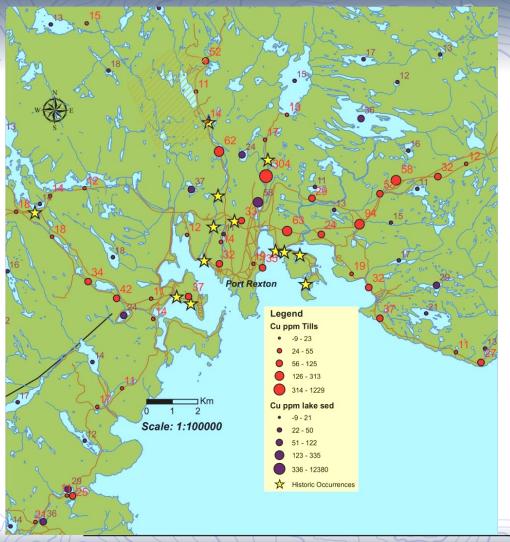
- Localized magnetic anomaly.
- Magnetic anomaly appears to sit on the east limb of a major fold that noses out near the localized copper showings.
- The localized area is indicative of red hematitic alteration.





# **Copper Anomalies Map**

Copper Anomalies in Till and Lake Sediment Samples



#### Fifield's Pit (Port Rexton)



# Copper-Silver Prospect Grab Sample Assay FIFIELD'S PIT

2162 ppm Cu, 1.5 grams/tonne Ag
 TRINITY POND

- 1.06 % Cu, 5.4 grams/tonne Ag
   TRINITY SOUTH
- 0.66 % Cu, 3.5 grams/tonne Ag





#### **Analogue Deposit**



#### Similarities Between Fifield's Pit (Port Rexton) Cu-ag Prospects, NL And Tizert Sediment Hosted Cu-ag Deposit In The Anti – Atlas Belt, NW Morocco

## **Tizert Copper-Silver Analogue Deposit**



#### **Established Mineral Resources**



The Tizert Copper–Silver Deposit mineral resources are listed at **56.8 million tonnes @ 1.03% Cu, 23 grams Ag** (grams/tonne).



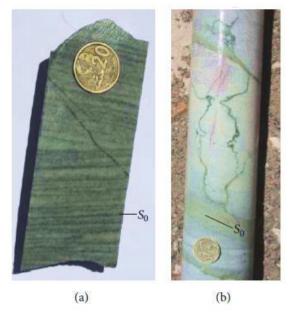
Government and private industry estimates indicate that the total resource could be 100 million tonnes of similar grade, as the ore deposit is still open along strike.



# **Drill Core Analogue Photos**



Tizert Cu-Ag Deposit Morocco



Drill core photos showing:

- (a) Bedding parallel disseminated mineralization and fracturehosted copper mineralization and
- (b) Copper sulphides (chalcopyrite and bornite) along carbonaceous styolites. S<sub>0</sub>, bedding. (Oummouch, et al., 2017)

Blue Point Horizon
Tickle Cove, NL



Fifield's Pit Port Rexton, NL



Port Rexton Figure 3 – Comparison of the lamination style in the dark gray facies from the Blue Point horizon and the unnamed Siliceous facies of the Rockey Harbour Formation (O'Brien and King, 2004) that is host to copper mineralization at Port Rexton. Core on the left is RC01-04 (124 m, 300 ppm Cu); the core on the right is PR02-03 (28.7 m, 1012 ppm Cu).

#### **MLE Contact Information**



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