



**NOBLE  
MINERAL**  
EXPLORATION INC.

TSX.V: NOB

FWB: NB7

OTCQB: NLPXF

## **Noble Minerals Plans to Drill in proximity to the Location of a 140 kg, Mineralized Boulder Found near Hearst, Ontario**

**Toronto, Ontario – May 28, 2024 – Noble Mineral Exploration Inc.** (“Noble” or the “Company”) (TSX-V:NOB, FRANKFURT: NB7, OTCQB:NLPXF) is pleased to announce that the company has plans to execute a drill program on 214 claims in Way Township commencing in mid-June. The claims extend from about 4 to 15 km southwest of the town of Hearst, Ontario. The property area is equivalent to approximately 4,500 hectares or 45 sq km. The drill program follows geophysical surveys done to identify targets that may be the source of the mineralized boulder. The recent geophysical program was partially funded by the Ontario Junior Exploration Program and application has been made to the same program to fund the drill program. The Program will fund up to \$200,000 on a \$400,000 exploration program.

The mineralized boulder will be on display at the **Canadian Mining Expo in Timmins, Ontario** on June 5th and 6th and a representative of Noble Mineral Exploration will be there to answer your questions. (<https://virtex.canadianminingexpo.com/>)

Historically, a sample of a metalliferous boulder, brought to the Timmins Mining District Regional Resident Geologist in 2019 by a Mr. A. Cousineau, was submitted for chemical analysis to Geolabs in Sudbury to establish its metal and mineralogical makeup. Geolabs determined that the boulder contained: **71.8% copper; 3.5% lead, 1.09% zinc; 252 g/t of silver, 3.79 g/t of gold; 4.43 g/t of palladium; and 2.22 g/t of platinum** and consisted primarily of cuprite (van Hees et al., 2020).

In 2021, Noble launched an exploration program to in an effort to identify the source of the boulder. Basal till samples collected from two fences of hand auger holes, located about 100 m and 1 km north of the boulder, **produced 35 gold grains**. These gold grains define a southeast-northwest trending dispersion train that indicate they were transported southeast by a glacial transport from a source area located to the northwest. The dispersion train begins near a northeast trending magnetic anomaly. The gold grains are predominantly reshaped (24) but also include modified (7) and pristine (4), supporting evidence of a local source.

In 2022 an airborne geophysical survey was flown over the property followed by a ground geophysical survey in November/December 2023. The ground geophysical surveys included 29 line-kilometers of Magnetic, VLF-EM and Induced Polarization Survey. The airborne data was successful in outlining a significant northeast trending magnetic high unit that was traced from the southwest section of the survey block to the northeast corner of the survey block. Compilation of the ground based; detailed

magnetic survey was done to highlight the northwest trending fault structure that coincides with the location of the boulder. This structure extends at least 1,100 meters and is represented by a modest magnetic low signature commencing at the southeast corner of the grid. The structure can be traced across the grid, generally lying along the northern bank of the river, and has offset the modest magnetic high units in the same area. The western edge of the suspected fault terminates next to a northeast-southwest striking cross fault that also affects the strike of the river.

The contour plan map of the first vertical derivative of the total field magnetic definitely enhances the northeast striking magnetic high feature as well as the numerous northwest-southeast narrow crosscutting high features. **The approximate location of the mineralized, Cousineau Boulder appears to coincide with a slight bullseye high at the southeast end of one of the northwest striking cross dike like features.** The white line is suggested at being a possible cross fault system. (See Figure 1 and 2 below).

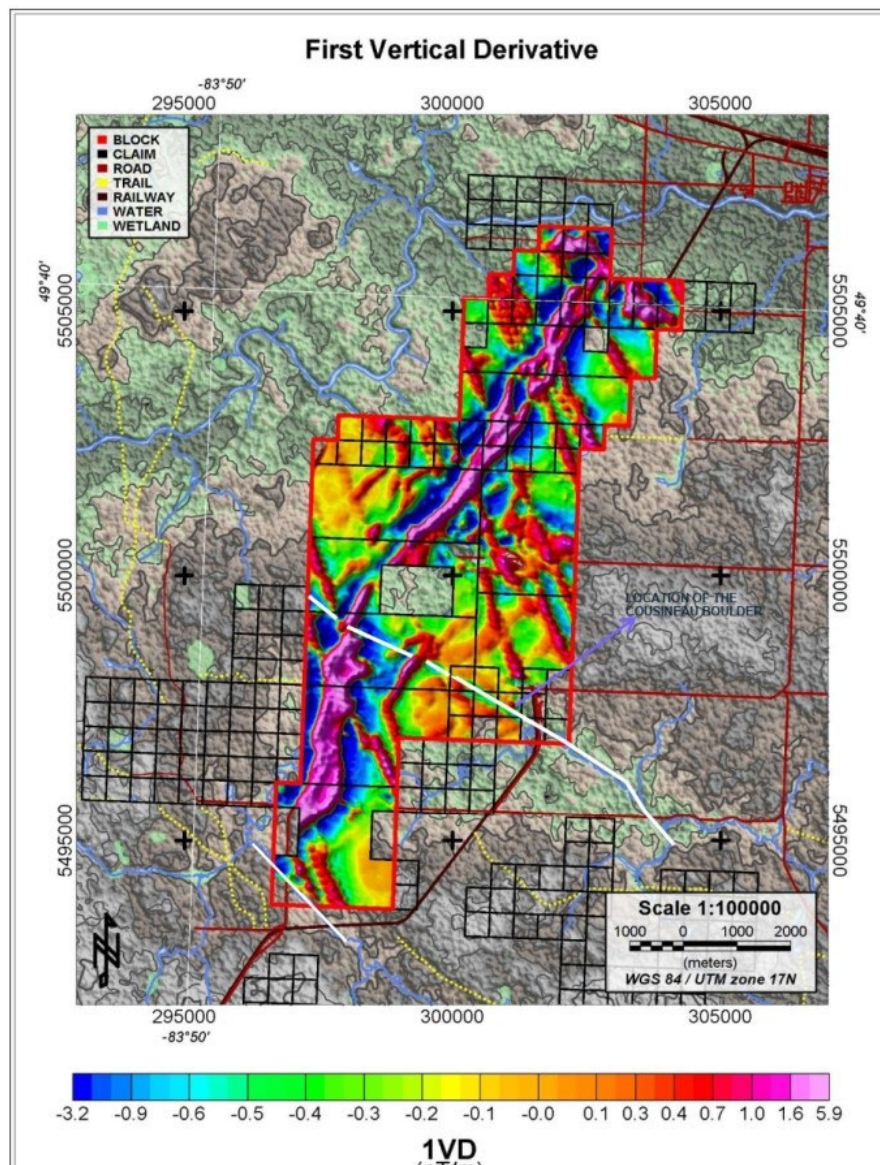


Figure 1: First Vertical Derivative of the airborne geophysical survey showing location of the Cousineau Boulder and a possible cross fault structure (white line)

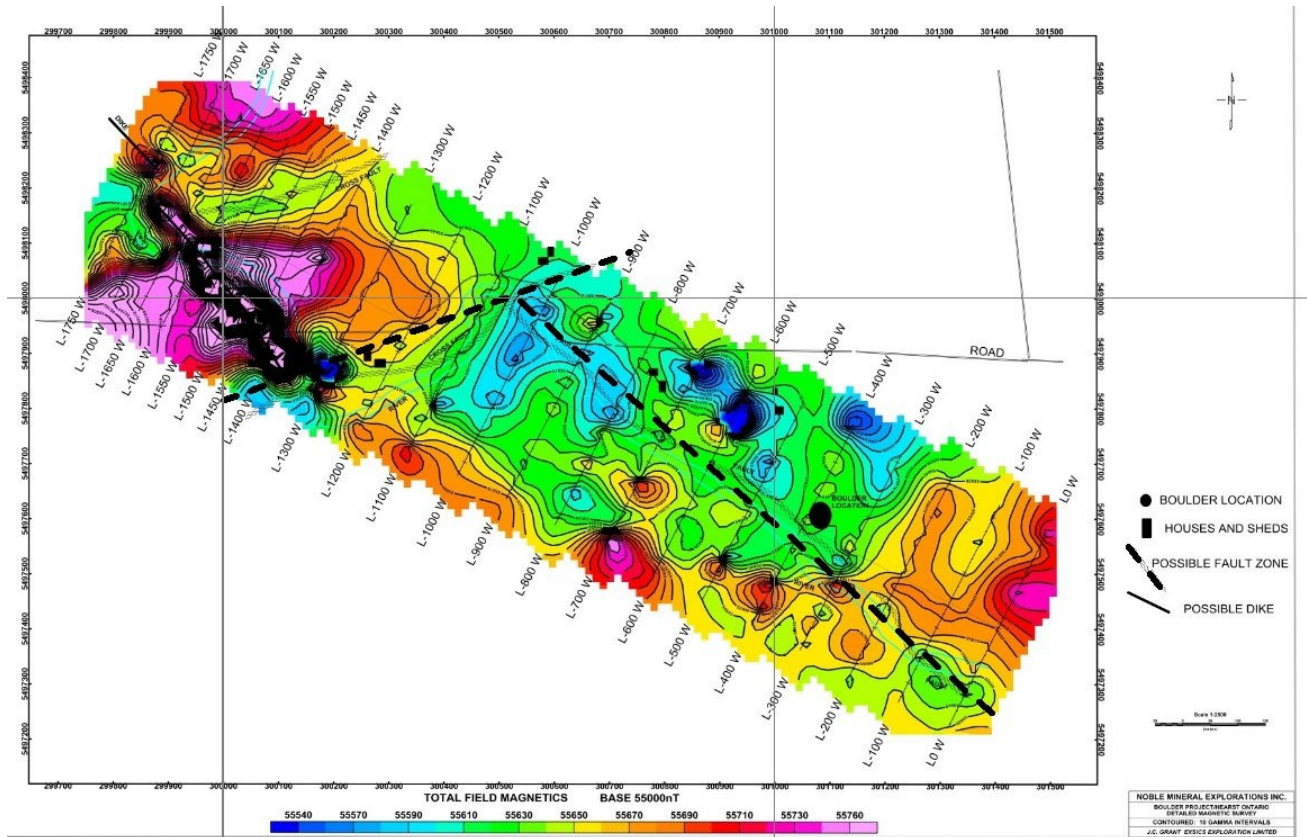


Figure 2: Location of the boulder with cross fault on detailed magnetic background.

The drill program will initially focus on the cross-fault structure in the vicinity of the boulder.

Vance White, President and CEO of Noble, said “we are pleased with the progress on this property and look forward to the results of the drill program that may give us more clues as to the possible source of this rich boulder. While the odds are long, if successful it could result in a significant find.”



Figure 3: Photo of the Cousineau Boulder

## References:

van Hees, E.H., P. Bousquet, J. Suma-Momoh, C.M. Daniels, S.L.K. Hinz, C. Boucher, P. Sword, L. Wang, S.P. Fudge, A. Millette and C. Patterson, 2020. Report of Activities 2019, Resident Geologist Program, Timmins Regional Resident Geologist Report: Timmins and Sault Ste. Marie Districts; Ontario Geological Survey, Open File Report 6366, 160p.

Wayne Holmstead P. Geo (ON), a "qualified person" as defined by National Instrument 43-101, has verified the data disclosed in this news release, and has otherwise reviewed and approved the technical information in this news release on behalf of Noble.

## **About Noble Mineral Exploration Inc.:**

Noble Mineral Exploration Inc. is a Canadian-based junior exploration company which, in addition to its shareholdings in Canada Nickel Company Inc., Spruce Ridge Resources Ltd., Go Metals Corp. and MacDonald Mines Exploration Ltd., and its interest in the Holdsworth gold exploration property in the area of Wawa, Ontario, will continue to hold ~25,000 hectares of mineral rights in the Timmins-Cochrane areas of Northern Ontario known as Project 81, as well as an additional 20% interest in ~11,000 hectares in the Timmins area and ~175 hectares of mining claims in Central Newfoundland. Project 81 hosts diversified drill-ready gold, nickel-cobalt and base metal exploration targets at various stages of exploration. It will also hold its ~14,600 hectares in the Nagagami Carbonatite Complex and its ~4,600 hectares in the Boulder Project both near Hearst, Ontario, as well as ~3,700 hectares in the Buckingham Graphite Property, ~10,152 hectares in the Havre St Pierre Nickel, Copper, PGM property, and ~482 hectares in the Cere-Villebon Nickel, Copper, PGM property, all of which are in the province of Quebec. More detailed information is available on the website at:

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

Noble's common shares trade on the TSX Venture Exchange under the symbol "NOB".

## **Cautionary Statement:**

**Neither TSX Venture Exchange nor its Regulation Services Provider (as that term is defined in the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this release.** No stock exchange, securities commission or other regulatory authority has approved or disapproved the information contained herein.

The foregoing information may contain forward-looking statements relating to the future performance of Noble Mineral Exploration Inc. Forward-looking statements, specifically those concerning future performance, are subject to certain risks and uncertainties, and actual results may differ materially from the Company's plans and expectations. These plans, expectations, risks and uncertainties are detailed herein and from time to time in the filings made by the Company with the TSX Venture Exchange and securities regulators. Noble Mineral Exploration Inc. does not assume any obligation to update or revise its forward-looking statements, whether as a result of new information, future events or otherwise.

**Contacts:**

H. Vance White, President

Phone: 416-214-2250

Fax: 416-367-1954

Email: [info@noblemineralexploration.com](mailto:info@noblemineralexploration.com)

Investor Relations: [ir@noblemineralexploration.com](mailto:ir@noblemineralexploration.com)