

Noble Mineral Exploration Update

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Toronto, May 19, 2022 - [Noble Mineral Exploration Inc.](#) ("Noble" or the "Company") (TSXV:NOB), (FRANKFURT:NB7), (OTC:NLPXF) is pleased to report on the proposed programs for a number of its active projects.

- Analyses received for Dargavel Drill Program
- Early Exploration Permit for drill program applied and circulated to First Nations for review for the Lennox Calder Project. Drilling expected to begin in July
- Crews prepare to mobilize to Buckingham Graphite Property for Phase 1 exploration
- Nagagami drill program set for September. Permit approved and talks with Constance Lake First Nation continue.
- Airborne Survey on Cousineau boulder project expected to be flown in July.
- An airborne geophysical survey on Island Pond, Newfoundland is scheduled for early summer
- Ground program on Laverlochere and Cere Villebon planned for this summer.

Dargavel Township Gold Trend, Ontario (4,300 ha)

Analyses have been received for the Dargavel Township gold property. In January of 2022 the Company drilled 1253 meters in seven holes on it's 50% interest in Dargavel Twp in Project 81. This drill program qualified for a \$200,000 OJEP grant from the Ontario Government. One hole was abandoned in overburden but in the six holes that reached bedrock, five had anomalous gold values. (See Table 1)

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Table 1: Significant gold values from the 2022 Dargavel drill program.

* True widths not known at this time.

Calder-Lennox Twp Ontario (4,800 ha)

Noble will carry out a 2-3 drill hole program to test an untested geophysical target on its Calder Twp option. This drill program is scheduled for late summer 2022.

An Early Exploration Permit has been applied for and has been circulated to the local First Nations for review.

Buckingham Graphite Project, Quebec (3,700 ha)

Crews are mobilizing to the property in order to complete Phase 1 of the planned exploration program

Historical work included a trenching program was initiated by a third party in 2014 based on airborne survey results and limited ground geophysics. Trenching verified that graphite mineralization was causing the

detected electromagnetic anomaly. All samples returned graphite mineralized intersections with a best result of 8.2% Cg over 4.75* meters, including 12.1% Cg over 1* meter and 12.5% Cg over 3.5* meters. Another trench was excavated about 75m NE of the first trench where one section yielded 21.6% Cg over 14.5* meters and 16.8% Cg over 3.9* meters. (*True widths not known at this time)

In 2015, a 20 kilogram bulk sample was taken from Trench 22C and subjected to initial flotation testing for graphite. The bulk sample was submitted to a simple flotation test, without process optimization or chemical treatment, such as addition of acid leach or alkaline roast. The head grade obtained was 20.7% Cg and returned an overall combined flotation concentrate purity of 94.8%. The results of the testing indicated 32% of the flakes were large (+65 mesh) to jumbo (+28 mesh) in size and the purity obtained in these large fractions ranged from 94.8 to 96.1%.

The 2022 field work will be a two phase program to include:

Phase 1

- Re-processing of airborne data from the 2013 survey
- Property visit to locate trenches, grab samples and drill hole collars
- Beep Mats survey to locate new graphite mineralization

Phase 2

- 2,000 meters of diamond drilling

Nagagami Carbonatite Niobium and Rare Earths Project, Ontario (14,000 ha)

Consultations are progressing with the Constance Lake First Nation (CLFN), and it is anticipated that Noble and CLFN will enter into an Exploration Agreement in the near future. An Early Exploration Permit has been received from the Province and helicopter supported drilling is expected to begin in September.

Past work in the Nagagami area has been spotty in the past. Part of this is due to the fact that the complex is not exposed on surface. Algoma Ore Properties performed the original airborne magnetic survey in the area that identified the complex. Limited drilling was aimed at the magnetic ring structure in search of iron deposits. Despite drilling in the wrong geology for niobium and rare earth metals, one of the Algoma drillholes returned 0.3% Nb2O5 from a grab sample of syenite taken at 230 feet downhole. Fluorite was noted in one drill hole as red-brown, waxy hydronephelite (an alteration form of nepheline) comprising 5-10% of the rock. The existence of fluorite is characteristic of carbonatite style mineralization.

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Figure 1: Comparison of the Nagagami Complex (left) with the Niobec Mine in Quebec

The Cousineau Boulder Project (4,500 ha)

In 2019 Ontario Geological Survey analyzed a sample from the 140kg boulder and 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 the mineral cuprite

During the Fall of 2021 Noble launched an exploration program on the property to in an effort to identify the source of the boulder. Basal till samples collected from two fence lines of hand auger holes, located about 100 m and 1 km north of the boulder location, produced 35 gold grains. These gold grains defined a

southeast-northwest trending dispersion train that indicates they were transported southeast by a glacial transport from a source area located to the northwest. The dispersion train appears to begin near a northeast trending magnetic anomaly to the northwest of the property. The gold grains are predominantly reshaped (24) but also include modified (7) and pristine (4), supporting evidence of local source. The cost of the staking, sampling and assaying to date has been.

Work will continue during the 2022 field season including a helicopter airborne survey, expected to be completed in July.

[Click Image To View Full Size](#)

Figure 2: The Cousineau Boulder cut in half.

Island Pond Property Central Newfoundland (14,400 ha)

The property, known as Island Pond, is located within an area of Central Newfoundland that is geologically mapped as a single unit of Cambrian-Ordovician siliclastic sediments trapped between a series of non-magnetic Devonian Plutons to the west and southeast. The plutons themselves are not considered to be of exploration interest but they could have altered the rocks around them. From the regional magnetic data, a strong magnetic trend exists within the siliclastics that is interpreted to be an unmapped volcanic intrusion. A preliminary structural interpretation, based solely on regional scale aeromagnetic surveys, suggests a multi-fold metamorphic history with a very high potential for repetition of stratigraphy within these newly staked claims. Spruce Ridge Resources (SHL) Foggy Pond Property, contiguous to the east, shows a similar magnetic feature. SHL has reported their preliminary interpretation indicating the possibility for a repetition of known copper and gold mineralization on a western limb. Preliminary interpretation of recently acquired high resolution magnetic data over Foggy Pond show localized magnetic anomalies that could be ophiolite slivers along a major northeast trending structure analogous to the Grub Line located just east of New Found Gold's high-grade gold discovery located approximately 75 km to the east.

Historic exploration on the Spruce Ridge Great Burnt and South Pond Property was found to contain economic concentrations of copper and possibly gold within volcanic rocks that intruded the siliclastic sediments. The magnetic trend at Island Pond is over 22 km in strike length and up to 3.5 km wide. This region of Newfoundland has received almost no exploration due to the thin but extensive overburden cover and lack of forest suitable for the logging industry (which would have resulted in a road infrastructure). Island Pond is contiguous to Spruce Ridge's recently staked Foggy Pond Property (see Spruce Ridge press release Dec-22-2021) and is located 14 km northwest of Spruce Ridge's South Pond gold-copper discovery and 56 km southeast of the historic Buchans high-grade zinc mine.

An airborne geophysical survey is scheduled for early summer.

Cere Villebon, Quebec (483 ha)

Drilling and resource estimates done by the Groupe La Fosse Platinum Inc., in 1987, evaluated a historical resource of 421,840 tonnes grading 0.52% copper, 0.72 % nickel and 1.08 g/t combined platinum-palladium (Groupe La Fosse Platinum Inc., 1987 Annual Report). This estimate is historical in nature, non-compliant to NI 43-101 Mineral Resources and Mineral Reserves standards, and therefore should not be relied upon. A Qualified Person has not done sufficient work to classify the historical estimate as current mineral resources, and these estimates should only be considered as an indication of the mineral potential of the Property.

Diamond Drill Hole FV-87-1 drilled by LaFosse Platinum in 1987 into the North Zone intersected 27.38* meters of 0.70% nickel, 0.68% copper, 0.23 g/t platinum, 0.64 g/t palladium and 0.08 g/t gold including 7.65* meters of 0.94% nickel, 1.02% copper.

* Exact width not known at this time.

Future work will include a complete compilation of past drilling and a site visit to surface sample the zone and

explore for additional mineralization.

Laverlochere, Quebec (518 ha)

The Laverlochere property is located on the southern part, of the east-west trending Belleterre-Angliers greenstone belt that is made up of an assemblage of sedimentary and volcanic rocks of Archaen age. Several Nickel-Copper-Platinum Group deposits and showings have been discovered in the Belleterre-Angliers greenstone belt. Approximately 30 km east of the Laverlochere property, the Kelly Lake property reportedly contains a deposit of 1.4 million tonnes of 0.7% Cu, 0.7 Ni, 1/3 g/t Pt+Pd and a potential for minor amounts of Cobalt and Rhenium and in the same general area, Blondeau Nickel has outlined a 227,000t deposit. Grading 0.45% Cu and 0.45% Ni. Historic exploration in the area has outlined four separate zones of Nickel- Copper-Platinum Group mineralization in gabbroic bodies interbedded in mafic to felsic volcanics (these reserves are 43-101 non-compliant and historic in nature).

On the Laverlochere property, historic trenching and drilling on the north shore of Lac Rousselot led to the discovery of a band of iron formation, striking N60°E. The iron formation is brecciated and contains pyrite-rich lenses and veinlets of quartz. A trench, approximately 1,080 m to the southeast of the iron formation, exposed a silica bearing that contains considerable veinlets or dike-like masses of quartz that are well mineralized with chalcopyrite and pyrite. A 1.8 by 3.0 m shaft was sunk on a 3 m long by 30 cm wide, mineralized quartz lense. The lense strikes northwest and cuts across N30°W striking sheared andesites. The mineralization is primarily chalcopyrite and a 30 cm sample across the quartz lense analyzed 0.57% copper and 2.6 g/t gold.

In 1969, Inco drilled three holes under Lac Rousselot. Drillhole 32375 was drilled to a depth of 309 m and in the upper section (0 to 93.9 m) intersected mainly andesitic and gabbroic rocks that were locally, weakly mineralized in pyrite, pyrrhotite and chalcopyrite. The lower part of the hole (from 93.9 to 309 m) intersected serpentinized peridotite that was systematically analyzed for copper, nickel and cobalt. The analyses reportedly revealed a 214.7 meter mineralized interval grading 0.01% Copper, 0.29% Nickel and 0.02% Cobalt (Exact width not known at this time).

Drill hole 32376, intersected mainly intermediate volcanics, gabbroic, and dioritic rocks down to 97.6 m that were weakly mineralized with pyrite, chalcopyrite and pyrrhotite. From 97.6 m to the bottom of the hole at 108.8 m peridotite was intersected. Eight samples of core from the gabbro, andesite and a chlorite bearing schist were analyzed for copper, nickel and zinc. Three were also analyzed for platinum and palladium and gave the following results for palladium of 0.12 g/t, 0.28 g/t and 0.31 g/t and for platinum 0.16 g/t, 0.37 g/t and 0.12 g/t. The peridotite graded 0.02% Cu and 0.224% Ni over the 11.2 meter interval (Exact width not known at this time).

Future work will include a complete compilation of past work and a property visit to identify historical and new mineralization on the property.

Historical exploration results disclosed in this news release are non-compliant with the requirements of National Instrument 43-101.

Michael Newbury PEng (ON), a "qualified person" as such term is defined by National Instrument 43-101, has reviewed 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. and [MacDonald Mines Exploration Ltd.](#), and its interest in the Holdsworth gold exploration property in the area of Wawa, Ontario, will continue to hold mineral rights to ~36,400 hectares, in the Timmins-Cochrane area of Northern Ontario, included in which Noble has acquired a 50% interest in 7 patents and 310 tenure identified mining claims totalling ~6,600ha in Carnegie, Kidd, Wark and Prosser Townships and an option on 4,800ha in Calder Twp. known as Project 81, as well as an additional ~11,000 hectares in the Timmins area Project 81 hosts diversified drill-ready gold, nickel-cobalt and base metal exploration targets at various stages of exploration.

It will also hold its recently acquired ~14,600 hectares in the Nagagami Carbonatite Complex near Hearst, Ontario and ~14,400 hectares of mining claims in Central Newfoundland. In addition, it holds mineral rights to ~3,700 hectares in the Buckingham Graphite Property, ~518 hectares in the Laverlochere 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.

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

Cautionary Statement:

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