



MacDonald Mines Exploration Ltd.

MacDonald Mines Prepares for Airborne Geophysical Survey at its Wawa-Holdsworth Project

Toronto, Ontario - May 8, 2017 - MacDonald Mines Exploration Ltd. (TSX.V: BMK) ("MacDonald Mines", or the "Company") announces that it has contracted Tundra Airborne Surveys Ltd. ("Tundra") to conduct an airborne geophysical survey of its Wawa-Holdsworth Project, located 25 km northeast of Wawa, Ontario.

Quentin Yarie, MacDonald's President and CEO commented: *"The airborne geophysical survey will allow us to quickly evaluate the extent of the Oxide Sands so we can focus the upcoming field season on exposing and mapping as much of the Oxide Sands as possible and assess their economic viability. The survey will also provide structural information on the gold-bearing quartz-carbonate veins that are hosted within the greenstones."*

The survey is expected to start in mid-May with the final maps and report submitted to MacDonald Mines 3 weeks after survey completion.

Wawa-Holdsworth Project Highlights:

- Approximately 285 hectares, 20 kilometres northeast of the town of Wawa
- 18 fee simple absolute patented claims, includes surface and mining rights
- Neighbouring Argonaut's >6Moz gold Magino Project²; Richmond's >1Moz gold Island Gold Mine³
- Numerous gold showings with diversified mineralization styles occurring in a 500 metre-wide deformation corridor
- Year-long road access and easy access to rail, road, electrical power, labour force and suppliers.

Overview of the Wawa-Holdsworth Project

Historic work by previous operators defined three gold targets on the Wawa-Holdsworth Project:

- Greenstone-hosted quartz-carbonate vein deposit (Soocana Vein System);
- BIF-hosted gold deposits (gold-bearing pyrite zones in an Algoma-type iron formation);
- Gold-bearing Oxide Sands developed from the weathering of the auriferous Pyrite Zone

MacDonald Mines has identified the Oxide Sands as a short-term target for gold production. The Oxide Sands are interpreted to be derived from the weathering of an auriferous and pyritized Algoma-type iron formation that, so far, has been traced on the property over a 2 km-long strike

length. The mineralized sands appear to reach a depth of at least 8 metres.

In 2002, a detailed and systematic sampling of the Oxide Sands was conducted over a strike length of 332.5 metres. A composite of 23 panels over the 332.5 metres returned an average gold grade of 3.45 g/t and an average silver grade of 29.99 g/t¹. Preliminary metallurgical testing conducted by previous operators on composite samples recovered, without crushing, between 69% and 98.7 % gold.

Earlier this year, MacDonald Mines launched a trenching program to map and confirm the Oxide Sands' strike length and thickness. The Company also initiated a bulk sampling program and commenced metallurgical testing of the Oxide Sands to achieve the highest possible gold and silver recovery.

The soft and relatively unconsolidated oxide sands material appears to be amenable to being extracted like an aggregate. The area's shallow overburden, the proximity to labour and equipment and the easy access to the site should result in very inexpensive mining costs should the Company delineate a large enough deposit.

Following spring breakup, the Company will ramp up its sampling program to better define the Oxide Sands and will continue to prepare for their potential extraction. The near-term exploitation of the Oxide Sands will provide the Company with good cash flow to further advance exploration of the other gold targets on the property.

Administration

Following the Annual General Meeting of Shareholders on May 4, 2017, the Board of Directors approved the following executive and committee appointments:

- Quentin Yarie as President and Chief Executive Officer
- Joseph Heng as Chief Financial Officer
- Tara Gilfillan as Chairperson
- Tara Gilfillan, Kevin Tanas and Gordon McKinnon as members of the Audit, Compensation and Governance Committee

The Company also announces that it has granted an aggregate of 3,366,500 stock options to directors, officers, employees and consultants. These stock options were issued in accordance with the provisions of the Company's stock option plan and are subject to approval of the TSX Venture Exchange. Each stock option entitles the holder to purchase one common share of the Company at an exercise price of \$0.175 for a five-year period.

Qualified Person

Quentin Yarie, P Geo. is the qualified person responsible for preparing, supervising and approving the scientific and technical content of this news release.

About Noble Mineral Exploration Inc.

Noble Mineral Exploration Inc. is a Canadian-based junior exploration company which, in addition to its shareholdings in MacDonald Mines Exploration Ltd. and its interest in the Holdsworth gold exploration property in the area of Wawa, Ontario, holds in excess of 70,641 hectares of mineral rights in the Timmins - Cochrane areas of Northern Ontario known as Project 81. Project 81 hosts diversified drill-ready gold and base metal exploration targets at various stages of exploration. 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".

About MacDonald Mines Exploration Ltd.

MacDonald Mines Exploration Ltd. is a mineral exploration company headquartered in Toronto, Ontario focused on gold and silica exploration in Canada. The Company has built a portfolio of safe-jurisdiction, infrastructure-rich projects that demonstrate the greatest market potential for return. The Company is aggressively advancing its highly prospective Wawa-Holdsworth Project and recently signed a binding LOI to secure 100% interest in the Holdsworth property.

The Company's common shares trade on the TSX Venture Exchange under the symbol "BMK".

For more information about the Company visit www.macdonaldmines.com

Or contact:

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¹Technical Report on the Holdsworth Project, Holdsworth Property, Wawa, Ontario, Canada, Q. Yarie, Dec. 20, 2016.

²Magino Gold Project - Indicated Gold Resources (inclusive of Reserves): 4.07M oz; Inferred Gold Resources: 1.06 Moz (http://www.argonautgold.com/gold_operations/magino/)

³Island Gold Mine - Proven and Probable Gold Reserves: 752,200 oz; Measured and Indicated Gold Resources (exclusive of Reserves): 91,450 oz; Inferred Gold Resources : 995,700 oz (<https://www.richmont-mines.com/English/operations/production/island-gold-mine/default.aspx>)

⁴Report on the Holdsworth Gold Prospect, Wawa Area, Ontario, Seymour M. Sears P.Geo., October 2002.

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