

MacDonald Mines Re-assays High-Grade Gold Intersection at the Scadding Mine – Second Lab Reporting 464.4 g/t vs 376.6 g/t Gold over 2.96 Metres

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TORONTO, March 26, 2020 - [MacDonald Mines Exploration Ltd.](#) (TSX-V: BMK) (MacDonald Mines?, MacDonald? or the Company?) announces that the high-grade gold results for hole SM-20-026, announced on February 27, 2020, were confirmed by analyses at a second laboratory. New results reported 464.4 g/t gold over 2.96 metres including 26.3 g/t gold over 1.07 metres, 274 g/t gold over 0.93 metres and 1,137 g/t gold over 0.96 metres. The previous assays reported 376.6 g/t gold over the 2.96 metres (Table 1).

The re-analysis of hole SM-20-026 was undertaken to confirm the extremely high-grade results that were obtained 18 metres down dip from the high-grade intersection of 52 g/t gold over 12 metres in SM-19-001 (see September 27, 2019 News Release). Results to date indicate that the high-grade gold zone in the Bristol/Monaco Structure could extend over 100 metres down dip following the preliminary observation of visible gold (VG) in holes SM-20-031 and SM-20-034 (Figure 1). Assay results from the pending drill holes will be announced as they are received.

Table 1. Assay results from 3 high-grade gold intersections in hole SM-20-026.

Hole	From (m)	To (m)	Core Length* (m)	February 2020 Au (g/t)	March, 2020 Au (g/t)	Average Au (g/t)
SM-20-026	71.00	72.07	1.07	25.1	26.3	25.7
	72.07	73.00	0.93	411.0	274.0	342.5
	73.00	73.96	0.96	735.5	1137.0	936.3
Total	71.00	73.96	2.96	376.6	464.4	420.6

* Assays results presented over core length. They are estimated to represent 75-85% of true width.

Table 2. Drill hole location

Hole ID	Easting	Northing	Elevation (m)	Azimuth	Dip	Depth (m)
SM-20-026	529216.6	5166719.5	307.10	246	-50	100.00

Figure 1. Cross-section showing high-grade gold intersections in the Bristol/Monaco Structure

<https://www.globenewswire.com/NewsRoom/AttachmentNg/bfbcd014-5693-48d5-8789-4b59e6b6b170>

Hole SM-20-026 successfully intersected the extension of the high-grade mineralization in the Bristol/Monaco Structure, 18 metres down dip of the high-grade intersection of 52 g/t gold over 12 metres in SM-19-001. Comparable to SM-19-001, the chlorite zone in SM-20-026 is comprised of strong chlorite alteration with low sulfide content and is cut by numerous dark-grey quartz stringers and one larger quartz vein rich in pyrrhotite. Tiny specks of visible gold were also observed in millimetre-sized quartz lenses disseminated in the chlorite zone of SM-20-026. MacDonald believes that these quartz stringers, sometimes rich in very coarse-gold, contributed to the formation of exceptionally high-grade gold mineralization in the chlorite zones of the Scadding Deposit.

Evaluation of Assay Protocols

Our recent resubmission of samples for both holes SM-19-022 and SM-20-026 suggests that some assay results are understating actual values. To address this, we are re-submitting assays for metallic screens where visible gold has been noted in the geologic logs. Going forward we will adopt this protocol.

On-site Quality Assurance/Quality Control (?QA/QC?) Measures

Drill core samples were initially sent to Bureau Veritas in Timmins, Ontario following the Company's QA/QC protocol: individual samples are labeled, placed in plastic sample bags and sealed. Groups of samples are then placed into durable rice bags and shipped. The remaining coarse reject portions of samples remain in storage if further work or verification is needed. In this instance, the coarse rejects of the three high-grade gold samples from hole SM-20-026 were sent to SGS Burnaby for confirmation.

MacDonald's quality-control program complies with best practices in the sampling and analysis of drill core. As part of its QA/QC program, MacDonald inserts external gold standards (low to high grade) and blanks every 20 samples in addition to random standards, blanks, and duplicates. All samples over 10 g/t gold or the samples with abundant visible gold are analysed by 1 kilogram metallic screen. Both the Bureau Veritas and SGS analytical results followed this protocol.

SPJ Property highlights

- 100% ownership
- 18,860 hectares in excellent mining jurisdiction and close to infrastructure
- Hosts the high-grade past producing Scadding Gold Mine
- Evidence of polymetallic mineralization at the Scadding Deposit indicative of IOCG potential
- Significant gold, cobalt-copper, silver, nickel and rare earth showings outside of the Scadding Deposit footprint

Historically, the Scadding Mine produced 914 kilograms of gold from 127,000 tonnes of mineralized material grading 7.2 g/t (OFR 5771). MacDonald's reinterpretation of the geological model at the Scadding Deposit and larger SPJ property indicates that it could host a gold-rich Iron-Oxide-Copper-Gold deposit and that significant gold structures may have been missed by previous operators' drilling campaigns (2009-2011).

Figure 2. Macdonald Mines' SPJ Property

<https://www.globenewswire.com/NewsRoom/AttachmentNg/15f82847-309a-464d-ac7b-31e6e7d5168c>

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 MacDonald Mines Exploration Ltd.

[MacDonald Mines Exploration Ltd.](#) is a mineral exploration company headquartered in Toronto, Ontario focused on gold exploration in Canada. The Company is focused on developing its large SPJ Project in Northern Ontario.

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

To learn more about MacDonald Mines, please visit www.macdonaldmines.com

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