



LAURION Drills 70.7 m in New Target Zone grading 3.90 g/t Gold, 6.46 g/t Silver, 0.25 % Copper and 0.40 % Zinc at Ishkoday Project, Ontario

High grade zone assayed 48.69 g/t Gold, 35.98 g/t Silver, 1.14 % Copper over 5.40 m, including 441 g/t Gold, 191 g/t Silver over 0.57 m, in Hole LME20-031

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TORONTO, ONTARIO (January 19, 2021) – LAURION Mineral Exploration Inc. (TSX.V: LME and OTC/PINK: LMEFF) (“LAURION” or the “Corporation”) is pleased to report final assay results for the remaining two (2) drill holes of the ten (10) hole, 2,962 m Phase 2 drill campaign, completed at the Ishkoday Project. The Ishkoday Project is located approximately 220 km northeast of Thunder Bay, Ontario, near the town of Beardmore in the Onaman-Tashota Greenstone Belt.

HIGHLIGHTS

- **Drill Hole LME20-031:**
 - **3.90 g/t Gold, 6.46 g/t Silver, 0.25 % Copper, 0.40 % Zinc over 70.65 m**
 - **High grade interval assayed 48.69 g/t Gold, 35.98 g/t Silver, 1.14 % Copper over 5.40 m, including 441 g/t Gold, 191 g/t Silver over 0.57 m**

A plan map of mineralization and a vertical drill section is presented in [Figure 1](#) and a map showing conceptual extensional zones related to gold mineralization is shown in [Figure 2](#).

David Lewis, P.Geo., LAURION Exploration Manager, commented: “The new mineralized intersection in hole LME20-031, which is the most substantive outlined in the current program, is hosted in a N-trending extensional shear zone, in a comparable structure to the historic Sturgeon River and Brenbar mines. Furthermore, the mineralized zone widens significantly at depth, comparable to what is reported in historical records of the Sturgeon River Mine. This is a major new target zone that is completely open along strike and at depth, and future exploration will focus on delineating the strike length and depth potential of this zone, as well as outlining similar targets elsewhere on this extensive property.”

Discussion of Mineralization

The mineralized area, known historically as Area D, was drilled by Farboro Resources in 1987 with seven shallow holes to a maximum vertical depth of 140 m and restricted to 200 m along strike. The best historic mineralized intersection, drilled prior to the introduction of current standards under N.I. 43-101, was in hole 88-33, which

intersected 18.7 m grading 0.30 g/t gold, 4.31 g/t silver, 0.15 % copper and 1.18 % zinc.

Hole LME20-030 was a twin of historic hole 88-33 and hole LME20-031 was designed as a follow-up to further test mineralization down dip. The widening mineralized interval in hole LME20-031, which occurs between a vertical depth of 250- 305 m, establishes and validates this new exploration target.

Hole LME20-030:

- 141.5 to 160.0 m – Precious and base metal mineralization is hosted in a shear zone

Hole LME20-031:

- 352.5 to 371.0 m – Precious and base metal mineralization is hosted in a shear zone, corresponding to the sheared mineralization in hole LME20-030
- 392.3 to 397.7 m - Mineralization occurs in fine quartz veining in a potentially sheared interval, including semi-massive chalcopyrite veins
- 402.0 to 423.15 m – Mineralization occurs in blebby chalcopyrite

Significant assays and drill hole position and orientation data are presented in Table 1. Re-assay data results for selected samples from hole LME20-031 is presented in Table 2.

Table 1: Significant assay results and drill position and orientations for drill holes LME20-030 and LME20-031

Hole ID	From (m)	To (m)	Length (m)	Calculated true width (m)	Gold (g/t)	Silver (g/t)	Copper (wt%)	Zinc (wt%)
LME20-030	2.32	3.00	0.68	0.27	0.54	0.7	0.01	0.12
	32.00	33.50	1.5	0.60	0.69	0	0	0.02
	141.50	160.00	18.50	7.34	0.18	14.64	0.21	3.26
Including	141.50	145.50	4.00	1.59	0.14	15.56	0.17	3.69
And	150.00	150.74	0.74	0.29	0.97	1.50	0.03	0.32
And	155.32	160.00	4.68	1.86	0.43	43.83	0.67	9.61
LME20-031	131.50	137.00	5.50	4.43	0.80	4.32	0.10	0.41
	306.50	307.00	0.50	0.40	0.09	3.70	0.06	4.10
	352.50	423.15	70.65	56.90	3.90	6.46	0.25	0.40
Including	352.50	371.00	18.50	14.90	0.66	11.19	0.47	1.22
And	392.30	397.70	5.40	4.35	48.69	35.98	1.14	0.23
Including	392.30	393.00	0.70	0.56	14.40	4.60	0.12	0.02
Including	396.00	396.57	0.57	0.46	441.00	191.00	0.57	0.14
And	402.00	423.15	21.15	17.03	0.02	2.19	0.10	0.16
LME20-030: 445837 mE, 5512790 mN, 323 m ASL. Azimuth: 145°, Dip: -45°, Depth: 176 m								
LME20-031: 446126 mE, 5512535 mN, 327 m ASL. Azimuth: 300°, Dip: -50°, Depth: 443 m								

Coordinates are presented in UTM NAD83 Zone 16N. Calculated widths of mineralization are based on east-dipping structures oriented 015°/79°.

Table 2: Re-assay data of selected samples from hole LME20-031

Hole ID	From (m)	To (m)	Length (m)	Initial gold value (g/t)	Re-assayed gold value (g/t)
LME20-031	322.00	323.50	1.50	0.012	0.014
	352.50	353.50	1.00	9.250	5.530
	394.50	396.00	1.50	0.180	0.133
	396.00	396.57	0.57	441.000	168.500
	396.57	397.25	0.68	1.515	1.605
	397.25	397.70	0.45	0.349	2.710
	397.70	399.00	1.30	0.011	0.009
	432.00	433.50	1.50	0.037	0.048

Note: As part of ongoing due diligence, selected samples from hole LME20-031 were re-assayed to verify results. New assay samples were collected from initial crushed sample rejects and pulverized. Unmineralized wash material was used prior to sample pulverizations to mitigate contamination. The discrepancy in high grade gold values between samples is attributed to different material from sample selection and fluctuating (nuggety) gold mineralization. Only the initial assay values were used to report grades in this news release.

Qualified Person

Mr. David Lewis, P. Geo. (PGO), LAURION 's Exploration Manager, is a Qualified Person as defined by National Instrument 43-101 and has reviewed and approved the content of this news release.

All core samples have been assayed by ALS Laboratories in Thunder Bay, Ontario. Samples cut brock saw perpendicular to mineralization and catalogued, with industry-standard Quality Assurance/Quality Control (QA/QC) standard, duplicate and blank samples added in a pre-established order. Samples are then sealed in nylon bags and shipped by LAURION personnel to the ALS facility in Thunder Bay, Ontario. Samples are processed by 4-acid digestion and analyzed by fire assay on 50 g pulps and ICP-AES (Inductively-Coupled-Plasma – Atomic-Element-Spectroscopy). Over limit analyses are reprocessed with gravimetric finish. Samples sent for re-assay were first re-pulverized from reject material, using a non-mineralized wash between pulverizations, and assayed as described.

About LAURION Mineral Exploration Inc.

The Corporation is a junior mineral exploration and development company listed on the TSX-V under the symbol LME and on the OTC/PINK under the symbol LMEFF. The Corporation currently has 202,684,319 outstanding shares, of which approximately 72% of LAURION's issued and outstanding shares are owned and controlled by Insiders who are eligible investors under the "Friends and Family" categories.

LAURION's emphasis is on the development of its flagship project, the 100% owned mid-stage 47 km² Ishkoday Project, and its gold-silver and gold-rich polymetallic mineralization with a significant upside potential. The mineralization on Ishkoday is open at depth beyond the current core-drilling limit of -200 m from surface, based on the historical mining to a -685 m depth, in the past producing Sturgeon River Mine. The recently acquired Brenbar Property, which is contiguous with the Ishkoday Property, hosts the historic Brenbar Mine and LAURION believes that the mineralization to be a direct extension of mineralization from the Ishkoday Property.

FOR FURTHER INFORMATION, CONTACT:

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