



LAURION Intersects 9.16 g/t Gold over 0.80 Metres and Releases Results for the First Three Drill Holes at Sturgeon River Mine Area

TORONTO, Ontario – August 19, 2025 – LAURION Mineral Exploration Inc. (TSXV: LME | OTC/PINK: LMEFF) (“LAURION” or the “Corporation”) reports encouraging initial results from the first three diamond drill holes of its previously announced 2025 drill program at the Ishkōday Project, located 220 km northeast of Thunder Bay, Ontario. Further to the Corporation's press releases dated May 8, 2025 and May 27, 2025, drilling began in mid-May and is part of a 7,000-metre campaign targeting the high-grade gold-bearing vein systems of both the Brenbar and Sturgeon River Mine areas.

Highlights from the first three drill holes at the Sturgeon River Mine area include:

- **LME25-060:** 9.16 g/t Au over 0.80 m from 272.70 m to 273.50 m
- **LME25-060:** 3.16 g/t Au over 1.00 m from 583.80 m to 584.30 m
- **LME25-060:** 3.13 g/t Au over 1.00 m from 379.00 m to 380.00 m
- **LME25-056:** 3.07 g/t Au over 0.50 m from 609.50 m to 610.00 m
- **LME25-056:** 3.03 g/t Au over 0.60 m from 595.20 m to 595.80 m
- **LME25-057:** 1.31 g/t Au over 0.50 m from 536.50 m to 537.00 m

These intercepts confirm the continuity of multiple gold-bearing vein sets within the Sturgeon River Mine corridor, with significant grades encountered from near-surface zones to depths exceeding 600 metres. The results support the potential for both discrete high-grade shoots and broader mineralized envelopes along strike and at depth.

Drill Program Context

The 2025 program is designed to:

- Test depth extensions beneath historic workings;
- In-fill drill to improve geological continuity.
- Extend strike to the north and south; and
- Evaluate new zones to the northwest, including the M24 and M25 vein systems.

The first three drill holes, totaling 2,151 metres, successfully intersected both **known and previously untested structures**.

- **LME25-060** (northwest of the shaft) targeted the No. 21 Vein and the principal No. 1, No. 2, and No. 3 Veins historically mined at Sturgeon. All mineralized intercepts for hole LME25-060 are set forth below.

Hole ID	From (m)	To (m)	Core Length (m)	Au (g/t)
LME25-060	18.0	21.0	3	0.52
<i>Including</i>	<i>18.0</i>	<i>19.0</i>	<i>1.0</i>	<i>1.01</i>
LME25-060	116.8	119.1	2.3	0.35
<i>Including</i>	<i>117.4</i>	<i>118.0</i>	<i>0.6</i>	<i>0.61</i>
LME25-060	170.0	170.6	0.6	0.68
LME25-060	218.0	219.5	1.5	0.41
LME25-060	272.7	273.5	0.8	9.16
LME25-060	329.0	332.4	3.4	0.19
LME25-060	378.5	380.0	1.5	2.12
<i>including</i>	<i>379.0</i>	<i>380.0</i>	<i>1.0</i>	<i>3.13</i>
LME25-060	403.0	407.0	4.0	0.21
LME25-060	574.3	547.8	0.5	2.30
LME25-060	583.2	586.2	3.0	1.34
<i>including</i>	<i>583.8</i>	<i>584.3</i>	<i>1.0</i>	<i>3.16</i>

- **LME2025-057** (southwest of the shaft) tested the No. 1, No. 2, and No. 3 Veins and the Bootlegger Vein, a previously untested southern structure. The table below describes all the different mineralized intercepts from this hole.

Hole ID	From (m)	To (m)	Core Length (m)	Au (g/t)
LME25-057	169.5	170.0	0.5	0.56
LME25-057	382.5	383.2	0.7	0.75
LME25-057	446.0	447.0	1.0	0.66
LME25-057	484.3	485.5	1.2	0.26
<i>including</i>	<i>484.9</i>	<i>485.5</i>	<i>0.6</i>	<i>0.36</i>
LME25-057	487.1	487.6	0.5	1.20
LME25-057	535.3	537.0	1.7	0.43
<i>including</i>	<i>536.5</i>	<i>537.0</i>	<i>0.5</i>	<i>1.31</i>

- **LME25-056** (east of the shaft) intersected the northeast-striking Veins No. 8 and No. 11, the Coniagas Vein, and crossed the No. 1, No. 2, and No. 3 Veins. The table below contains the different mineralized highlights from this drill hole.

Hole ID	From (m)	To (m)	Core Length (m)	Au (g/t)
LME25-056	134.6	135.5	0.9	0.38
LME25-056	178.35	178.9	0.55	1.66
LME25-056	324.35	324.85	0.5	2.88
LME25-056	326.4	327.0	0.6	1.34
LME25-056	334.9	337.8	2.9	0.19
<i>including</i>	334.9	335.6	0.7	0.61
LME25-056	480.75	484.6	3.85	0.24
LME25-056	483.55	484.6	1.05	0.64
<i>including</i>	484.05	484.6	0.55	1.11
LME25-056	493.25	497.35	4.1	0.38
<i>including</i>	494.7	496.5	1.8	0.61
LME25-056	496.0	496.5	0.5	1.01
LME25-056	518.0	518.5	0.5	1.63
LME25-056	552.75	554.4	1.65	0.53
<i>including</i>	552.75	553.5	0.75	0.97
LME25-056	595.2	595.8	0.6	3.03
LME25-056	604.5	606.0	1.5	0.37
LME25-056	609.0	610.0	1.0	1.68
<i>including</i>	609.5	610.0	0.5	3.07
LME25-056	616.85	622.3	5.45	0.92
<i>including</i>	619.75	622.3	2.55	1.18

The drill holes were started from the locations and orientation given in the table below.

Hole ID	Easting	Northing	Elevation	Azimuth	Dip	Core Size
LME25-056	444505	5511075	317	275	-71	NQ
LME25-057	443952	5510877	322	130	-45	NQ
LME24-060	443742	5511084	322	330	-50	NQ

Management Commentary

"The first three holes have validated our geological model and confirmed that key gold-bearing structures extend along strike and at depth," said Cynthia Le Sueur-Aquin, President and CEO of LAURION. "These results build momentum for the balance of the program as we continue to test high-priority targets within the Sturgeon River Mine corridor."

Exploration Strategy

The drill program is supported by deep-penetrating DCIP and magnetotelluric (MT) geophysical surveys combined with strong a geological model, which have highlighted resistivity and chargeability features interpreted to be associated with quartz veining, sulphide mineralization, and major structural corridors.

LAURION remains committed to its systematic, data-driven approach to advancing the Ishkōday Project with disciplined execution and positioning the asset for future growth.

Corporate Update

Since engaging US Capital Global Partners ("**USCGP**"), LAURION's path has evolved, and LAURION has significantly expanded its strategic review and financial network to align with its advancing growth trajectory and transaction readiness. This evolution reflects our confidence in the strength of the Ishkōday asset and the depth and agility of our leadership team. Active engagement with several qualified third parties further supports our commitment to exploring strategic opportunities in the best interests of the Corporation and its stakeholders.

Sampling and QA/QC Protocols

All drill core is transported and stored inside the core facility located at the Ishkōday Project in Greenstone, Ontario. LAURION employs an industry standard system of external standards, blanks and duplicates for all of its sampling, in addition to the QA/QC protocol employed by the laboratory. After logging, core samples were identified and then cut in half along core axis in the same building, and then zip tied individually in plastic sample bags with a bar code. Approximately five or six of these individual bags were then stacked into a "rice" white material bag and stored on a skid for final shipment to the laboratory. All core samples were shipped to the ALS facility in Thunder Bay, Ontario, which were then prepared by ALS Global Geochemistry in Thunder Bay and analyzed by ALS Global Analytical Lab in North Vancouver, British Columbia. Samples are processed by 4-acid digestion and analyzed by fire assay on 50 g pulps and ICP-AES (Inductively-CoupledPlasma – AtomicElement-Spectroscopy). Over limit analyses are reprocessed with gravimetric finish. A total of 5% blanks and 5% standard are inserted randomly within all samples. 5% of the best assay result pulps were sent for re-assays. All QAQC were verified, and no contamination or bias have been observed. The remaining half of the

core, as well as the unsampled core, is stored in temporary core racks at the core logging facility in Beardmore, and moved to the core storage facility at the Ishkōday Project.

Qualified Person

The technical contents of this release were reviewed and approved by Jean-Philippe Paiement, PGeo, MSc, a consultant to LAURION, and a qualified person as defined by National Instrument 43-101 – Standards of Disclosure for Mineral Projects.

About LAURION Mineral Exploration Inc.

The Corporation is a mid-stage junior mineral exploration and development company listed on the TSXV under the symbol LME and on the OTC Pink under the symbol LMEFF. LAURION now has 274,012,283 outstanding shares, of which approximately 73.6% are owned and controlled by insiders who are eligible investors under the "Friends and Family" categories.

LAURION's emphasis is on the exploration and development of its flagship project, the 100% owned mid-stage 57 km² Ishkōday Project, and its gold-rich polymetallic mineralization. LAURION's chief priority remains maximizing shareholder value. A large portion of the Corporation's focus in this regard falls within the scope of its mineral exploration activities and more specifically, advancing the Ishkōday Project.

A consequence of LAURION's success and advancement over the past several years is that the Corporation has become positioned as an acquisition target for appropriate potential acquirors. Accordingly, the Corporation's Board of Directors is aware that possible strategic alternatives and transactional opportunities may arise and/or could be procured in the short or medium terms. The Corporation will promptly issue a press release if any material change occurs.

LAURION Mineral Exploration Inc.

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Caution Regarding Forward-Looking Information

This press release contains forward-looking statements, which reflect the Corporation's current expectations regarding future events including with respect to LAURION's business, operations and condition, management's objectives, strategies, beliefs and intentions, the Corporation's ability to advance the Ishkōday Project, the nature, focus, timing and potential results of the Corporation's exploration, drilling and prospecting activities in 2025 and beyond, including the Corporation's diamond drill program described in

this press release and the Corporation's other planned activities for the Ishkōday Project for the remainder of 2025, and the statements regarding the Corporation's exploration or consideration of any possible strategic alternatives and transactional opportunities (including, without limitation, the Corporation's engagement of third parties like USCGP to explore any such potential alternatives and opportunities), as well as the potential outcome(s) of this process, the possible impact of any potential transactions referenced herein on the Corporation or any of its stakeholders, and the ability of the Corporation to identify and complete any potential acquisitions, mergers, financings or other transactions referenced herein, and the timing of any such transactions. The forward-looking statements involve risks and uncertainties. Actual events and future results, performance or achievements expressed or implied by such forward-looking statements could differ materially from those projected herein including as a result of a change in the trading price of the common shares of LAURION, the TSX Venture Exchange or any other applicable regulator not providing its approval for any strategic alternatives or transactional opportunities, the interpretation and actual results of current exploration activities, changes in project parameters as plans continue to be refined, future prices of gold and/or other metals, possible variations in grade or recovery rates, failure of equipment or processes to operate as anticipated, the failure of contracted parties to perform, labor disputes and other risks of the mining industry, delays in obtaining governmental approvals or financing or in the completion of exploration, as well as those factors disclosed in the Corporation's publicly filed documents. Investors should consult the Corporation's ongoing quarterly and annual filings, as well as any other additional documentation comprising the Corporation's public disclosure record, for additional information on risks and uncertainties relating to these forward-looking statements. The reader is cautioned not to rely on these forward-looking statements. Subject to applicable law, the Corporation disclaims any obligation to update these forward-looking statements. All sample values are from grab samples and channel samples, which by their nature, are not necessarily representative of overall grades of mineralized areas. Readers are cautioned to not place undue reliance on the assay values reported in this press release.

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