



LAURION Unlocks High-Grade Gold up to 16.00 g/t in West Vein Systems of the Sturgeon River Mine Area

Toronto, Ontario – September 23, 2025 – LAURION Mineral Exploration Inc. (TSX.V: LME | OTC: LMEFF) ("LAURION" or the "Corporation") is pleased to announce encouraging results from the second set of assay results from its ongoing 7,700-metre 2025 drill exploration program at the 100%-owned Ishkoday Project, located 220 km northeast of Thunder Bay in Greenstone, Ontario. To date, approximately 93% of the previously-announced drill program has been completed. The first three drill results were announced in the Corporation's press release dated August 19, 2025, which targeted the high-grade gold-bearing vein systems of the Sturgeon River Mine area. Reference is also made to the Corporation's press releases dated September 5, 2025, May 27, 2025 and May 8, 2025.

The results reported below are part of a second drilling phase designed to evaluate **new potential zones** to the west of the Sturgeon River Mine area and included the **M24 and M25 vein systems**. The drill holes also tested the continuity of the **M1 vein series** and associated structural corridors between the Sturgeon River Mine and Brenbar Mine areas.

Drill holes **LME25-058** and **LME25-059** were collared 90 m east and 102 m west of the previously reported LME24-049 hole (see the Corporation's press release dated December 11, 2024).

Highlights

Drill Hole LME25-059 (102 m west of LME24-049)

- 0.50 m grading **16.00 g/t Au and 8.20 g/t Ag** from 275.30 m.
- 0.50 m grading **9.79 g/t Au and 4.80 g/t Ag** from 271.75 m.
- 0.50 m grading **4.01 g/t Au and 1.30 g/t Ag** from 396.70 m.
- 0.80 m grading **1.01 g/t Au and 2.60 g/t Ag** from 332.00 m.
- 1.10 m grading **0.96 g/t Au and 0.73 g/t Ag**, including 0.50 m grading **1.94 g/t Au** from 382.90 m.

Drill Hole LME25-058 (90 m east of LME24-049)

- 0.75 m grading **3.13 g/t Au and 23.90 g/t Ag** from 189.25 m.
- 2.00 m grading **1.81 g/t Au and 1.90 g/t Ag with 0.19% Cu** from 205.00 m, including:
 - 0.50 m grading **4.61 g/t Au** from 205.00 m; and
 - 0.60 m grading **1.33 g/t Au, 5.30 g/t Ag and 0.64% Cu** from 206.40 m.
- 1.00 m grading 1.92 g/t Au from 239.00 m.
- Additional anomalous mineralization intersected across multiple vein sets, including 7.00 m grading 0.29 g/t Au from 105.00 m.

Exploration Significance

- Both holes (i.e. LME25-058 and LME25-059) confirm the presence of **multiple narrow, high-grade gold intercepts** within broader mineralized envelopes.
- LME25-058 tested the **M1, M21, M24 and M25 vein systems**, demonstrating the polymetallic character of the system with a few Cu intercepts.
- LME25-059 intersected multiple **high-grade gold intercepts**, validating continuity along strike from LME24-049, which previously returned **3.50 m grading 2.08 g/t Au, including 1.00 m at 6.60 g/t Au**. These results reinforce the potential for **stacked high-grade veins** within a structurally controlled corridor extending northeast from the historic Sturgeon River Mine.

Management Commentary

Cynthia Le Sueur-Aquin, President and CEO of LAURION, commented: "With over 93% of the 2025 drill program completed, the results from LME25-058 and LME25-059 continue to highlight Ishkōday's robust exploration potential. High-grade gold and silver intercepts, combined with broader envelopes of anomalous mineralization, demonstrate both scale and grade potential within the M-series veins. These results support our evolving 3D model and the project's capacity to host multiple mineralized zones."

Next Steps

Drilling continues to focus on expanding mineralization within the M-series veins and testing additional strike extensions northeast of the Sturgeon River Mine shaft. Results from the remaining drill holes will be released as they become available.

Hole ID	From (m)	To (m)	Core Length (m)	Au (g/t)
LME25-058	36.70	37.70	1.00	0.51
LME25-058	44.00	46.50	2.50	0.38
LME25-058	55.00	56.50	1.50	0.25

LME25-058	84.50	86.00	1.50	0.44
LME25-058	91.50	92.50	1.00	0.64
LME25-058	105.00	112.00	7.00	0.29
<i>Including</i>	<i>107.50</i>	<i>112.00</i>	<i>4.50</i>	<i>0.40</i>
<i>Including</i>	<i>107.50</i>	<i>108.50</i>	<i>1.00</i>	<i>0.70</i>
LME25-058	122.50	124.00	1.50	0.31
LME25-058	157.00	157.75	0.75	0.72
LME25-058	164.50	165.00	0.50	0.65
LME25-058	189.25	192.90	3.65	0.86
<i>Including</i>	<i>189.25</i>	<i>191.00</i>	<i>1.75</i>	<i>1.42</i>
<i>Including</i>	<i>189.25</i>	<i>190.00</i>	<i>0.75</i>	<i>3.13</i>
LME25-058	201.00	201.50	0.50	0.63
LME25-058	202.00	203.00	1.00	0.33
LME25-058	205.00	207.00	2.00	1.81
<i>Including</i>	<i>205.00</i>	<i>205.50</i>	<i>0.50</i>	<i>4.61</i>
<i>Including</i>	<i>206.40</i>	<i>207.00</i>	<i>0.60</i>	<i>1.33</i>
LME25-058	239.00	240.00	1.00	1.92
LME25-058	419.00	420.50	1.50	0.34

Hole ID	From (m)	To (m)	Core Length (m)	Au (g/t)
LME25-059	70.90	71.90	1.00	0.38
LME25-059	162.00	163.10	1.10	0.30
LME25-059	265.00	267.30	2.30	0.40
<i>Including</i>	<i>266.80</i>	<i>267.30</i>	<i>0.50</i>	<i>1.36</i>
LME25-059	271.75	272.25	0.50	9.79
LME25-059	275.30	275.80	0.50	16.00
LME25-059	321.80	322.30	0.50	1.60
LME25-059	332.00	332.80	0.80	1.01
LME25-059	382.90	384.00	1.10	0.96
<i>Including</i>	<i>382.90</i>	<i>383.40</i>	<i>0.50</i>	<i>1.94</i>
LME25-059	396.70	397.20	0.50	4.01

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

The interval widths reported are down-hole widths. The true widths of the mineralized zones are not known at this time as there is insufficient information to determine the orientation of the mineralization.

Drill Hole ID.	Easting	Northing	Azimuth	Dip	Planned (m)	Actual (m)	Core Size
LME25-058	443679	5510873	320	-50	500	503	NQ
LME25-059	443537	5510784	315	-50	500	456	NQ

Assay Turnaround Update

The Corporation wishes to advise shareholders that assay laboratories across the industry are currently experiencing significantly increased sample volumes. As a result, the turnaround time for assay results has extended to approximately eight (8) weeks from the

date of sample delivery. LAURION continues to work closely with its laboratory partners and will report results promptly upon receipt and validation.

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 (InductivelyCoupledPlasma – 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, P.Geo., 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 274,097,283 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.

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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 party advisors 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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