



LAURION Starts Defining Gold Mineralization North and Northeast of the Brenbar Shaft, Highlighting 2.68 g/t Au over 1.05 m from 117.6 m to 118.65 m

Toronto, Ontario – November 4, 2025 – LAURION Mineral Exploration Inc. (TSX.V: LME | OTC: LMEFF) (“LAURION” or the “Corporation”) is pleased to announce encouraging results from its 7,700-metre Summer 2025 drill exploration program at the 100%-owned Ishkōday Project, located 220 km northeast of Thunder Bay in Greenstone, Ontario. The first five drill results were announced in the Corporation's press releases dated August 19, 2025 and September 23, 2025, respectively, 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 reported drill holes below, LME25-061 and LME25-062, totalling 954 m were designed to evaluate the mineralized system at the historic Brenbar Mine area, stepping out to the north and northeast of the of the historic mine shaft.

Highlights of Drill Holes LME25-061 and LME25-062

LME25-061

- 2.70 m @ 0.22 g/t Au from 152.6 m to 155.3 m
- 2.50 m @ 0.20 g/t Au from 167.5 m to 170 m
- 2.25 m @ 0.88 g/t Au from 213.85 m to 216.10 m, including 1.70 m @ 1.10 g/t Au from 214.4 m

LME25-062

- 3.00 m @ 0.49 g/t Au from 304.0 m to 307 m, including 1.0 m @ 1.34 g/t Au from 304.0 m
- 2.00 m @ 0.50 g/t Au from 111.0 m to 113.0 m, including 0.5 m @ 1.45 g/t Au from 111.80 m
- 1.20 m @ 0.76 g/t Au from 105.7 m to 106.9 m, including 0.7 m @ 1.07 g/t Au from 105.7 m
- 1.05 m @ 2.68 g/t Au from 117.6 m to 118.65 m, including 0.5 m @ 5.18 g/t Au from 118.15 m
- 1.15 m @ 0.39 g/t Au from 310.7 m to 311.85 m
- 1.10 m @ 1.63 g/t Au from 454.4 m to 455.5 m

These new intercepts not only confirm the continuity of gold-bearing structures near the Brenbar Shaft, but also demonstrate how far our understanding of Ishkōday has advanced since the early 2010 drilling campaigns,” said Cynthia Le Sueur-Aquin, President and CEO of LAURION Mineral Exploration Inc. “Our 2025 drill core is fully

oriented, allowing precise structural interpretation and integration into our evolving 3D geological model — a critical step toward defining the geometry and scale of the mineralized system.”

The 2025 drill program targeted a cluster of complex folded gold-bearing vein structures in the Brenbar Shaft namely No 1, 2, 2A and No. 7 vein sets confirmed in historic drilling by Prodigy Gold Inc. (Jamie Solomon & Jerry Light, June 13, 2011). That work returned multiple higher-grade intercepts, including **3.77 g/t Au over 1.30 m and 1.33 g/t Au over 1.0 m in BB09-03, 5.50 g/t over 2.5 m, 1.39 g/t Au over 1.0 m and 1.47 g/t Au over 1.0 m in BB09-04, 2.29 g/t Au over 1.10 m and 0.39 g/t Au over 15.90 m in BB09-09, 0.549 g/t Au over 12.50 m in BB09-10, and 1.56 g/t Au over 1.0 m, 0.51 g/t Au over 6.30 m, 3.26 g/t Au over 0.80 m and 0.66 g/t Au over 8.20 m in BB10-27 which tested No. 15 Vein, #25 trench vein.** The results confirm high-grade quartz-vein hosted gold within sheared volcanic rocks. They provide the basis for LAURION's 2025 program to test continuity and strike length at Brenbar, and to collect oriented core for detailed structural analysis and 3D modeling.

Table of Assays for Drill Holes for LME25-061 and LME25-062

Hole ID	From (m)	To (m)	Core Length (m)	Au (g/t)
LME25-061	38.1	38.9	0.8	0.395
LME25-061	152.6	155.3	2.7	0.224
<i>Including</i>	<i>154.3</i>	<i>155.3</i>	<i>1</i>	<i>0.323</i>
LME25-061	167.5	170	2.5	0.198
LME25-061	179.4	180.15	0.75	0.336
LME25-061	187.6	188.7	1.1	0.264
LME25-061	213.85	216.1	2.25	0.881
<i>including</i>	<i>214.4</i>	<i>215.1</i>	<i>1.7</i>	<i>1.101</i>
<i>Including</i>	<i>214.4</i>	<i>215.1</i>	<i>0.7</i>	<i>1.27</i>

Note: (Intervals represent core length; true widths are estimated at ~70–90% of reported intervals.)

Hole ID	From (m)	To (m)	Core Length (m)	Au (g/t)
LME25-062	20.70	21.20	0.50	1.025
LME25-062	105.70	106.90	1.20	0.762
<i>including</i>	<i>105.70</i>	<i>106.40</i>	<i>0.70</i>	<i>1.065</i>
LME25-062	111.00	113.00	2.00	0.502
<i>including</i>	<i>111.00</i>	<i>111.80</i>	<i>0.80</i>	<i>0.215</i>
<i>including</i>	<i>111.80</i>	<i>112.30</i>	<i>0.50</i>	<i>1.455</i>
LME25-062	117.60	118.65	1.05	2.684
<i>including</i>	<i>118.15</i>	<i>118.65</i>	<i>0.50</i>	<i>5.18</i>
LME25-062	143.90	144.40	0.50	0.654
LME25-062	148.70	149.20	0.50	0.533
LME25-062	166.00	166.50	0.50	0.595

LME25-062	168.00	168.50	0.50	2.300
LME25-062	216.60	217.10	0.50	0.450
LME25-062	222.00	222.70	0.70	0.313
LME25-062	253.80	254.40	0.60	0.559
LME25-062	304.00	307.00	3.00	0.494
Including	304.00	305.00	1.00	1.340
LME25-062	310.70	311.85	1.15	0.394
<i>including</i>	<i>311.35</i>	<i>311.85</i>	<i>0.50</i>	<i>0.771</i>
LME25-062	322.90	324.00	1.10	0.792
LME25-062	366.50	367.30	0.80	0.330
LME25-062	454.40	455.50	1.10	1.625
LME25-062	564.90	565.40	0.50	0.815

Note: (Intervals represent core length; true widths are estimated at ~70–90% of reported intervals.)

Drill Hole ID	Azimuth	Dip	Depth (m)
LME25-061	170	-60	330
LME25-062	160	-50	624
TOTAL			954

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, 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 274,097,283 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.

FOR FURTHER INFORMATION, CONTACT:

LAURION Mineral Exploration Inc.

Cynthia Le Sueur-Aquin – President and CEO

Tel: 1-705-788-9186 Fax: 1-705-805-9256

Douglas Vass - Investor Relations Consultant

Email: info@laurion.ca

Website: <http://www.LAURION.ca>

Follow us on: X (@LAURION_LME), Instagram (laurionmineral) and LinkedIn (<https://www.linkedin.com/in/cynthia-le-sueur-aquin-laurion-lme-04b03017/>)

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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