LAURION Extends High-Grade Zinc-Silver Mineralisation Down-Plunge at A-Zone, Confirms New Garvey Zone Target

<u>Highlights.</u> Results confirm mineralisation continues to grow at Ishkōday: down-plunge at the A-Zone in LBX26-104, along strike to the northeast at the newly validated Garvey Zone target in LBX26-103 and extending southwest along the McLeod Horizon in LBX26-105. Drilling results for LBX26-104 confirm gold-zinc-silver-copper mineralisation down-plunge of the A-Zone with <u>11.15m grading 0.393 g/t Au, 6.06 g/t Ag, 0.18% Cu and 1.80% Zn;</u> and gold mineralisation in hole <u>LBX26-105, with 2.00m grading 1.342 g/t Au, including 1.00m grading 2.530 g/t Au</u> alongside a broad polymetallic interval of <u>14.90m grading 0.125 g/t Au, 4.89 g/t Ag, 0.18% Cu and 0.67% Zn</u>; and confirms the Garvey Zone geophysical target concept in hole LBX26-103.

TORONTO, Ontario — August 5, 2026 — LAURION Mineral Exploration Inc. (TSX-V: LME | OTC: LMEFF | FSE: 5YD) ("LAURION" or the "Company") is pleased to report assay results from the first three diamond drill holes, LBX26-103, LBX26-104, and LBX26-105, completed as part of the Company's ongoing Phase 1 drilling program at its 100%-owned Ishkōday Gold and Polymetallic Project ("Ishkōday" or the "Project"), located in the Beardmore-Geraldton Greenstone Belt of Northwestern Ontario. The results support management's view that the A-Zone may have potential to support a future mineral resource estimate ("MRE") at the A-Zone, extending known mineralisation deeper underground and confirming a new target area along strike.

Management Comment

"In our view, *these three holes are an encouraging start to our 2026 infill program, continuing to confirm and extend mineralisation we already know is here," said Cynthia Le Sueur-Aquin, President and CEO of LAURION. LBX26-104 and LBX26-105 have extended the polymetallic footprint of the A-Zone well down-plunge of historical drilling, and the zinc and silver grades we are seeing there – including over six (6) metres of better than 6% zinc – open up new depth potential for the Project. These results move us closer to our goal of unlocking the A-Zone's first resource. LBX26-103 has validated our geophysical targeting at the Garvey Zone, confirming that the same IP and resistivity signature that defines the A-Zone extends along strike to the northeast. We look forward to continuing to build on these results as the infill program progresses."*

Highlights

LBX26-105 (McLeod Horizon / 2015 Abitibi geophysical target, SW of LBX22-080 and LBX22-081):

- 2.00m grading 1.342 g/t Au, 1.30 g/t Ag, 0.06% Cu and 0.30% Zn from 233.00m to 235.00m, including 1.00m grading 2.530 g/t Au, 2.00 g/t Ag, 0.07% Cu and 0.45% Zn.
- 14.90m grading 0.125 g/t Au, 4.89 g/t Ag, 0.18% Cu and 0.67% Zn from 298.10m to 313.00m, including 5.50m grading 0.267 g/t Au, 8.63 g/t Ag, 0.29% Cu and 1.06% Zn, and a higher-grade 0.50m interval grading 0.150 g/t Au, 15.60 g/t Ag, 0.33% Cu and 3.49% Zn.
- 1.70m grading 0.960 g/t Au from 258.00m to 259.70m, including 1.00m grading 1.150 g/t Au.
- A narrow, high-grade polymetallic interval of 0.50m grading 0.111 g/t Au, 13.10 g/t Ag, 0.72% Cu and 3.26% Zn from 247.20m to 247.70m.

LBX26-104 (A-Zone down-plunge test):

- 11.15m grading 0.393 g/t Au, 6.06 g/t Ag, 0.18% Cu and 1.80% Zn from 264.70m to 275.85m, including 5.35m grading 0.662 g/t Au, 8.88 g/t Ag, 0.23% Cu and 3.28% Zn, and including a higher-grade 1.95m interval grading 1.314 g/t Au, 13.43 g/t Ag, 0.41% Cu and 6.34% Zn.
- LBX26-104 also returned 7.70m grading 0.207 g/t Au, 3.19 g/t Ag, 0.07% Cu and 1.42% Zn from 283.30m to 291.00m, including 0.50m grading 1.780 g/t Au, 4.80 g/t Ag, 0.10% Cu and 2.02% Zn, and a narrow high-grade interval of 0.50m grading 6.460 g/t Au, 19.00 g/t Ag, 0.89% Cu and 2.32% Zn at 313.00m to 313.50m.
- Near-surface polymetallic mineralisation was also intersected in LBX26-104 from 7.50m to 9.90m (2.40m grading 0.417 g/t Au, 4.28 g/t Ag, 0.09% Cu and 1.02% Zn, including 0.90m grading 0.693 g/t Au, 6.70 g/t Ag).
- LBX26-104 was collared approximately 166m northwest of historical drill hole 90-47 and approximately 191m northwest of historical drill hole 90-39, extending the tested down-plunge footprint of the A-Zone corridor beyond historical drilling.

LBX26-103 (Garvey Zone IP target):

- Confirmed the presence of hydrothermal quartz-breccia hosted polymetallic mineralisation coincident with the Garvey Zone chargeability/resistivity anomaly, including 3.75m grading 0.164 g/t Au and 14.41 g/t Ag from 195.20m to 198.95m, and 2.30m grading 0.111 g/t Au and 2.70% Zn from 221.10m to 223.40m, including 1.30m grading 0.137 g/t Au, 7.22 g/t Ag and 3.16% Zn.

Results from LBX26-103 indicate that gold grades within the breccia-hosted polymetallic mineralisation remain low relative to the orogenic quartz-vein style mineralisation that hosts the majority of higher-grade gold at Ishkōday, reinforcing the Company's structural model that these represent distinct mineralising events. By contrast, the gold intercept in LBX26-105 is consistent with the orogenic, quartz-vein-hosted style, while the broader zinc-silver-copper interval in the same hole reflects the polymetallic system, indicating both mineralising systems are present, and separately identifiable, well beyond the A-Zone itself.

Table 1: LBX26-103 (Garvey Zone IP Target, NE-Extension of the A-Zone)

Hole LBX26-103 was designed to test the recently defined Garvey Zone chargeability anomaly (Clearview Geophysics survey line T2; Abitibi Geophysics anomaly I-3 NE), coincident with the projected northeast-extension of the A-Zone mineralised horizon. The hole targeted the center of the chargeability anomaly while simultaneously testing a well-defined magnetic lineament, a geophysical signature the Company interprets as consistent with a sulphide-rich shear zone.

Hole ID	From (m)	To (m)	Core Length (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)
LBX26-103	189.50	190.00	0.50	0.209	11.70	0.44	0.04
LBX26-103	195.20	198.95	3.75	0.164	14.41	0.44	0.15
LBX26-103	214.20	215.40	1.20	0.056	5.38	0.14	0.54
Including	*214.90*	*215.40*	*0.50*	*0.097*	*9.40*	*0.26*	*1.29*
LBX26-103	221.10	223.40	2.30	0.111	4.60	0.13	2.70
Including	*222.10*	*223.40*	*1.30*	*0.137*	*7.22*	*0.19*	*3.16*
LBX26-103	288.50	290.00	1.50	0.005	0.25	-	0.10

Note: Core lengths are drilled thicknesses; true widths have not yet been determined. Intervals are calculated using a nominal cut-off and may include internal dilution; "including" intervals are sub-intervals of higher grade contained within the reported interval.

Table 2: LBX26-104 (A-Zone Down-Plunge Test)

Hole LBX26-104 was designed to test the down-plunge extension of the A-Zone and was collared approximately 166m to the northwest of historical drill hole 90-47 and approximately 191m to the northwest of historical drill hole 90-39 .

Historical holes 90-47 and 90-39, drilled in 1990 to 262.7m and 209.1m respectively (Ontario Geological Survey Assessment File 42E13SE0098), returned no significant results for comparatively shallow depths. LAURION believes the historic holes did not adequately test the down-plunge extension which is supported by these results from LBX26-104.

Hole ID	From (m)	To (m)	Core Length (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)
LBX26-104	7.50	9.90	2.40	0.417	4.28	0.09	1.02
Including	*9.00*	*9.90*	*0.90*	*0.693*	*6.70*	*0.19*	*0.28*
Including	*42.00*	*43.10*	*1.10*	*0.420*	*2.00*	*-*	*0.11*
LBX26-104	77.00	78.00	1.00	0.226	0.25	-	0.03
LBX26-104	82.50	83.10	0.60	0.247	0.60	0.04	1.39
LBX26-104	144.50	145.10	0.60	0.092	2.60	0.03	1.35
LBX26-104	158.20	158.70	0.50	0.402	3.80	0.15	1.26
LBX26-104	202.15	203.20	1.05	0.688	1.03	0.01	0.27
LBX26-104	252.80	253.30	0.50	0.147	4.40	0.11	1.13
LBX26-104	264.70	275.85	11.15	0.393	6.06	0.18	1.80
Including	*267.75*	*273.10*	*5.35*	*0.662*	*8.88*	*0.23*	*3.28*

Hole ID	From (m)	To (m)	Core Length (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)
Including	*269.65*	*271.60*	*1.95*	*1.314*	*13.43*	*0.41*	*6.34*
LBX26-104	283.30	291.00	7.70	0.207	3.19	0.07	1.42
Including	*287.75*	*288.85*	*1.10*	*0.925*	*6.00*	*0.10*	*2.40*
Including	*287.75*	*288.25*	*0.50*	*1.780*	*4.80*	*0.10*	*2.02*
LBX26-104	313.00	313.50	0.50	6.460	19.00	0.89	2.32

Note: Core lengths are drilled thicknesses; true widths have not yet been determined. Intervals are calculated using a nominal cut-off and may include internal dilution; "including" intervals are sub-intervals of higher grade contained within the reported interval.

Table 3: LBX26-105 Assay Summary

Hole LBX26-105 was also designed to test the down plunge extension of the A-Zone mineralisation along strike to the southwest, approximately 75m from LBX26-104 collared southwest of historical Company holes LBX22-080 and LBX22-081.

Hole ID	From (m)	To (m)	Core Length (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)
LBX26-105	10.00	10.50	0.50	0.584	2.10	0.01	0.08
LBX26-105	233.00	235.00	2.00	1.342	1.30	0.06	0.30
Including	*233.00*	*234.00*	*1.00*	*2.530*	*2.00*	*0.07*	*0.45*
LBX26-105	247.20	247.70	0.50	0.111	13.10	0.72	3.26
LBX26-105	258.00	259.70	1.70	0.960	0.39	-	0.03
Including	*258.00*	*259.00*	*1.00*	*1.150*	*0.25*	*-*	*0.03*
LBX26-105	298.10	313.00	14.90	0.125	4.89	0.18	0.67
Including	*302.00*	*307.50*	*5.50*	*0.267*	*8.63*	*0.29*	*1.06*
Including	*302.00*	*306.00*	*4.00*	*0.347*	*9.80*	*0.35*	*1.01*
Including	*307.00*	*307.50*	*0.50*	*0.150*	*15.60*	*0.33*	*3.49*
LBX26-105	326.40	327.00	0.60	0.357	0.80	-	-

Note: Core lengths are drilled thicknesses; true widths have not yet been determined. Intervals are calculated using a nominal cut-off and may include internal dilution; "including" intervals are sub-intervals of higher grade contained within the reported interval. Results for LBX26-105 are preliminary and subject to final laboratory certification and QP review; the interval from 9.40m to 11.50m includes a higher-grade sub-interval from 10.00m to 10.50m (0.584 g/t Au), confirmed as a nested sub-interval within the 9.40m to 11.50m interval following QP review.

Name	Elevation (m)	Azimuth	Dip	Easting	Northing	Actual Depth (m)
LBX26-103	322	145	-55	446542	5513504	429
LBX26-104	322	117	-50	446164	5512810	396
LBX26-105	322	130	-50	446120	5512753	381
Total						**1,206**

Turnaround Time for Assay Results

Due to continued high sample volumes across the assay laboratory industry, the Company is currently experiencing up to a 12-week turnaround time between sample submission and receipt of final assay results. LAURION continues to work closely with its laboratory partners to manage this timeline and will provide further updates on drilling and assay results as they become available.

LAURION Unveils SRK's Clear Roadmap to Maiden Resource at the A-Zone, Ishkōday Project

SRK Consulting has completed an independent technical gap analysis review, identifying five specific mapped zones where near-term drilling is expected to prepare LAURION's A-Zone for its maiden MRE. The A-Zone hosts not one, but two, distinct styles of mineralisation – a zinc-copper-iron-rich polymetallic system layered with a gold-silver system – sitting on top of a drilling database of over 300 holes and nearly 57,000 metres already in hand.

Within the main A-Zone shoot, targeted drilling is focused on areas where additional data may support future evaluation of the continuity and extent of known mineralisation. A second targeted zone requires the twinning of historic holes with new quality-controlled drilling to confirm and potentially extend decades-old partially sampled mineral intercepts. Two more zones are designed to establish the true shape and continuity of the deposit's mineralised shoots, while a fifth zone targets the down-plunge extension of the A-Zone. Collectively, these target areas provide a focused framework and drilling plan for advancing geological knowledge of the A-Zone and evaluating its potential to support a future MRE.

With drilling already underway and directly targeting these findings, LAURION is executing a clear path toward its maiden resource.

Quality Assurance / Quality Control

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" material bag 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 Coupled Plasma – Atomic Emission 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 QA/QC 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.

Note: QA/QC review of standards and duplicates indicates analytical results are reliable. One zinc standard adjacent to a high-grade zinc interval returned elevated values consistent with expected analytical behaviour following high-grade samples.

Qualified Person

The technical contents of this press release have been reviewed and approved by Dr. Trevor Boyd, Ph.D., P.Geo., a consultant to LAURION and a Qualified Person as defined by National Instrument 43-

101 – *Standards of Disclosure for Mineral Projects* ("NI 43-101"). Dr. Boyd is independent of the Company within the meaning of NI 43-101.

About LAURION

LAURION Mineral Exploration Inc. is listed on the TSX Venture Exchange (LME), OTCQB (LMEFF), and Frankfurt Stock Exchange (5YD), and is a mid-stage Canadian mineral exploration company, focused on advancing the 100%-owned Ishkōday Gold and Polymetallic Project in Northern Ontario.

The Ishkōday Project covers approximately 57 km² within the prolific Beardmore–Geraldton and Onaman–Tashota Greenstone Belts and hosts a single 6.0 km by 2.5 km mineralised corridor. Historical and modern exploration programs have completed over 98,000 metres of drilling, confirming a large and evolving gold-rich polymetallic mineral system.

LAURION's strategy emphasizes disciplined, data-driven exploration, systematic technical advancement, integrated geological modelling, and responsible capital allocation. The Company is focused on strengthening geological confidence, expanding the scale of the mineral system, and positioning the project for a future MRE. LAURION continues to evaluate opportunities that may enhance project development flexibility, including potential non-dilutive initiatives such as the evaluation of historical surface stockpile processing. The Company's objective is to build technical clarity, scale, and long-term project value before monetization, ensuring that future development decisions or strategic opportunities are supported by strong geological foundations and reduced execution risk.

Cynthia Le Sueur-Aquin, President and CEO of LAURION, is the Company's largest shareholder, holding 17,221,306 common shares, reflecting strong alignment between management and shareholders.

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Caution Regarding Forward-Looking Information

This press release contains forward-looking statements, which reflect the Company's current expectations regarding future events including with respect to LAURION's business, operations and condition, management's objectives, strategies, beliefs and intentions, the Company's ability to advance the Ishkōday Project and achieve the Company's strategic and technical objectives (within the above-stated timeframes, if at all), including with respect to the Company's expectations regarding the MRE, the nature, focus, timing and potential results of the Company's exploration, drilling and prospecting activities, including the Company's exploration program and planned exploration and drilling activities referenced in this press release, and the statements regarding the Company's exploration or consideration of any possible strategic alternatives and transactional opportunities, as well as the potential outcome(s) of this process, the possible impact of any potential transactions referenced herein on the Company or any of its stakeholders, and the ability of the Company 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 failure to obtain the consents, permits and/or approvals from applicable governmental bodies, regulators and First Nations communities, required in connection with the Company's strategic and technical objectives, 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 Company's publicly filed documents. Investors should consult the Company's ongoing quarterly and annual filings, as well as any other additional documentation comprising the Company'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 Company disclaims any obligation to update these forward-looking statements. All sample values disclosed in this press release are from grab samples, which by their nature, are not necessarily representative of overall grades of mineralised areas. Readers are cautioned to not place undue reliance on the assay values reported in this press release.