



NEW SIGNIFICANT ASSAYS IN GOLD-SILVER-ZINC FROM GRAB SAMPLES AT ISHKODAY PROJECT

- ✓ Selected grab samples yielding up to 58 g/t gold and 140 g/t silver from the M25 Quartz Vein; 71 g/t gold and 15.60 g/t silver from the Marge Quartz Vein; and 32 g/t gold at the River East Zone.
- ✓ Additional selected grab samples from Sulphide Veins in the CRK Zone (including the West segment) graded up to 9.56 g/t gold, 55 g/t silver, 30% zinc, 1.69% copper.

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TORONTO, ONTARIO (December 3, 2019) - Laurion Mineral Exploration Inc. (TSX-V: LME; OTC/PINK: LMEFF) ("LAURION" or the "Corporation") is pleased to issue new assay results (the "Results") from selected grab samples at the Corporation's wholly-owned Ishkoday Project ("Ishkoday"), located 220 km northeast of Thunder Bay, Ontario (**Figures 1 to 7; Tables 1 and 2**).

Refer to tables and maps on LAURION's website (**Table 2; Figures 1 to 7**) using the following link: <http://www.laurion.org/ishkoday-project/highlights/2019-field-exploration-program/>

Cynthia Le Sueur-Aquin, President and CEO of the Corporation stated "New selected grab samples were taken by LAURION's geologists and prospectors at a number of mineralized zones and at large to not only validate the historical sampling of the M25, 85-1, River Zone East and Marge Quartz Veins segments, but also new vein segments in sectors of the Target Area inaccessible to our 2018 and 2019 channel sampling. Assays from these samples continue to corroborate historical and other more recent results on the prospectivity of Quartz, Oxide-Sulphide and Sulphide Veins at Ishkoday, in addition to confirming significantly higher grade gold, silver and zinc values."

Table 1. Selected grab sample results from the 2019 Stage 2 Campaign greater than 1g/t gold and greater than 1% zinc with accompanying silver values.

SELECTED GRAB SAMPLE NUMBER	UTM COORDINATES NAD 83 ZONE 16		ROCK TYPES	GOLD g/t	SILVER g/t	ZINC %	COPPER %	LEAD %
	EASTING	NORTHING						
M25 QUARTZ VEIN								
864389	443532	5510969	QV	1.19	0.60	0.01	trace	trace
864456	443500	5510883	QV	2.04	10.30	0.04	0.01	trace
864458	443516	5510891	QV	50.60	140.00	0.15	0.10	0.02

864460	443531	5510902	QV	10.85	25.70	0.01	0.01	trace
864462	443554	5510916	QV	58.10	17.10	trace	trace	trace
864465	443585	5510936	QV	2.98	7.20	trace	trace	trace
864469	443619	5510973	QV	4.42	5.50	trace	trace	trace
864479	443631	5510985	QV	9.14	9.50	trace	trace	trace
864481	443636	5510993	QV	2.65	14.70	trace	trace	trace
864482	443640	5510998	QV	1.53	1.80	trace	trace	trace
864483	443645	5511005	QV	12.35	6.70	trace	trace	trace
864491	443689	5511065	QV	2.96	7.30	trace	0.01	trace
864492	443680	5511061	QV	11.50	8.10	0.01	trace	trace
864494	443666	5511041	QV	3.08	3.20	trace	trace	trace
MARGE QUARTZ VEIN								
864549	444185	5511744	QV	22.40	4.10	trace	trace	trace
864554	444254	5511760	QV	3.69	1.40	0.01	trace	trace
864559	444249	5511793	QV	21.40	3.50	0.01	0.01	trace
864566	444225	5511847	QV	19.25	7.40	0.02	0.01	trace
864568	444241	5511853	QV	9.61	1.90	0.02	trace	trace
864572	444263	5511878	QV	22.90	3.80	0.01	trace	trace
864573	444270	5511891	QV	71.10	15.60	0.01	0.01	trace
864574	444277	5511903	QV	3.41	2.10	0.02	0.02	trace
NORTH RIVER ZONE								
864511	444865	5512999	QV	3.91	7.50	trace	trace	0.03
864512	444868	5512986	QV	2.15	1.60	trace	trace	trace
864513	444871	5512993	QV	1.44	0.25	trace	trace	trace
864516	444867	5512993	QV	32.10	6.80	trace	trace	trace
864517	444868	5513000	QV	4.13	0.60	0.01	trace	trace
864521	444918	5513077	QV	5.25	1.10	0.01	trace	trace
CRK ZONE								
864397	446127	5512188	N/A	1.05	1.80	0.03	0.03	0.01
864472	445778	5512061	MAGSV	6.63	21.50	0.09	0.43	0.04
864584	445779	5512119	QV, SV	1.71	4.80	0.12	0.05	0.01
864586	445876	5512225	QV, SV	4.67	2.80	0.02	0.03	0.01
864587	445866	5512215	QV, SV	2.39	1.00	0.01	0.06	trace
869976	445629	5512122	SV	0.58	5.10	2.33	0.14	0.01
869977	445637	5512144	SV	9.56	11.70	2.98	0.16	trace
869979	445626	5512116	SV	0.20	3.90	2.22	0.07	0.01
869981	445627	5512107	SV	0.24	8.20	2.28	0.15	0.02
869984	445627	5512096	MAGSV	0.17	3.10	2.66	0.06	trace
869989	445634	5512063	MAGSV	3.16	7.90	2.77	0.05	trace
869991	445636	5512063	MAGSV	0.82	3.10	4.88	0.07	0.02
869992	445633	5512063	MAGSV	0.35	1.50	2.09	0.02	0.01
869993	445632	5512064	MAGSV	3.40	8.10	1.39	0.03	0.01
869994	445623	5512058	SV	1.07	21.40	30.00	0.61	0.04
869996	445634	5512043	MAGSV	1.48	6.50	0.83	0.26	0.02
CRK ZONE WEST								
864398	446323	5512469	SV	1.79	24.20	9.84	0.16	0.72

864399	446323	5512469	SV	2.57	55.40	3.26	0.35	0.61
864401	446625	5513077	QV	2.15	35.50	0.05	0.64	0.15
864408	446813	5513302	N/A	1.65	26.30	0.37	0.22	0.03
864409	446739	5513215	QV	2.15	5.80	0.16	0.02	0.05
864411	446417	5513071	QV	1.10	564.00	3.58	1.69	0.07
M25, M21, 85-1 NE EXTENSIONS								
864440	443883	5511220	QV	1.45	0.70	trace	trace	trace
864442	443858	5511152	QV	24.50	1.60	trace	0.12	trace
864443	443758	5511043	QV	1.03	7.70	trace	trace	trace
PROSPECTING								
864392	442502	5510389	QV	7.78	1.70	trace	trace	0.01
864412	444984	5511684	QV	29.70	2.00	0.02	0.01	trace
864414	445021	5511715	SV	0.52	49.10	4.17	1.68	0.05
864415	445021	5511715	SV	0.12	23.70	1.71	0.54	0.01
864589	445727	5511705	N/A	2.17	3.30	0.02	0.02	0.01

Legend: DIO – Diorite; QV – Quartz Vein; SV – Sulphide Vein; MAGSV – Magnetite-Actinolite-Chlorite-Monazite Sulphide ("Oxide-Sulphide") Vein; N/A – Rock Types were not assigned.

Selected grab samples were taken from historic and new vein segments in sectors of the Target Area during various prospecting programs throughout the 2019 Exploration Campaign. Additional work is still required to independently verify these results. LAURION cautions that these selected grab samples may not be representative of mineralization on the Ishkoday.

QA-QC Protocols

Samples for assay from this program were initially processed and prepared by ALS Global Geochemistry in Thunder Bay (Ontario), with pulps sent to and analyzed by ALS Global Analytical Lab in North Vancouver (BC), using the Fire Assay method of analysis. LAURION employs an industry standard system of external standards, blanks and duplicates for all its sampling in addition to the QA/QC protocol employed by the laboratory.

Selected grab samples were individually taken of fresh vein or surrounding host rock material by a LAURION qualified geologist. Individual samples weighed from 1 to 5kg each. Each sample was inserted in individual plastic bags with UTM coordinates and a field sample number. Each sample location was flagged with the field sample number. Field data on each sample was recorded and included field sample number, rock description and UTM coordinates. Individual plastic sample bags were taken to the LAURION field office, catalogued, an ALS sample tag was added to the bag, then sealed, and inserted in large nylon bags with standards, blanks and duplicates in a pre-established sequence. The nylon bags were then sealed and transported by LAURION to the ALS facility in Thunder Bay, Ontario.

Once at ALS, individual samples are again catalogued using the bar coding system, dried, weighed, crushed, pulverized to 70% <2mm, and riffle-split for final pulverization to 85% <75µm. A final 50 gram pulp split was taken for Fire Assay using Au-ICP22 gold analysis up to 10,000 ppb gold. Samples giving results beyond 10,000 ppb gold are re-analyzed with a new 50 gram pulp split to ore grade levels using a gravimetric finish. The Four Acid Digestion with ICP-AES Finish is used for multi-elements analysis that includes silver, zinc, copper and lead. Zinc,

copper and lead values greater than 10,000ppm are re-analyzed using the Four Acid Overlimit Methods with results given in percent.

Qualified Persons

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

About Laurion

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. LAURION now has 172,998,038 outstanding shares of which 58.2% 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 44 km² Ishkoday Project, and its gold-silver and gold-rich polymetallic mineralization with a significant upside potential. Ishkoday has a project-wide database (2008 to 2018) that includes 283 diamond drill holes totaling 40,729 m, geological mapping, ground and airborne geophysics, and 14,992 individual samples with assays and geochemical analysis. 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, as evidenced in the past producing Sturgeon River Mine.

The 2018-2019 exploration initiated in May 2018 is a three-staged 18-month program with the strategic objective of outlining the precious and base metals upside potential at Ishkoday, part of the 5km by 1km Target Area of the southern claims block. The Exploration Team has confirmed the extent of known and new gold bearing quartz and polymetallic sulphide veins that will ultimately help in completing the construction of the 2-D and 3-D model and helping guide future exploration targeting. This Model will provide LAURION with a solid technical foundation to initiate diamond drilling to demonstrate upside potential across the 5km by 1 km Target Area at Ishkoday as part of the Stage 3 drill program starting later in 2019 and in 2020. The field portion of the Stage 2 Campaign is now completed.

FOR FURTHER INFORMATION. CONTACT:

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Caution Regarding Forward-Looking Information

This news release contains forward-looking statements, which reflect the Corporation's current expectations regarding future events, Laurion's business, operations and future plans for the development of the Corporation and/or the Ishkoday Gold Project, and management's objectives, strategies, beliefs and intentions.

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 Corporation's common shares, 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.

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