

Laurion Announces Fifth New Polymetallic Discovery Linked to Sulphide/Oxide-Sulphide Veins from the CRK Zone at the Ishkoday Project

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- Yielding interval channel results of 3.28m @ 1.46 g/t gold, 4.16 g/t silver, 3.09% zinc, in a mix Sulphide and Oxide Vein
- In addition to individual channel sample results of 0.33m @ 7.15 g/t gold, 170 g/t silver, 11.25% zinc in a Sulphide

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TORONTO, Nov. 12, 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 channel sampling at the fifth newly discovered sulphide (consisting of sphalerite, chalcopyrite and pyrite) and magnetite-chlorite-actinolite-sulphide ("Oxide-Sulphide") the CRK Zone West segment (the "#32-62 Trenches") (Figures 1 and 2) at the Corporation's wholly-owned Ishkodag Project ("Ishkodag"), located 220 km northeast of Thunder Bay, Ontario.

Cynthia Le Sueur-Aquin, President & CEO of Laurion, states: "These most recent results increase the scope of our Ishkodag Project and, taken together with the known occurrences of gold in the historic Sturgeon River mine wallrocks, as documented earlier in results from the mine stockpile, confirm that we are likely in the upper reaches of a very substantial polymetallic mineralizing system which may extend to depths in excess of 600m."

Highlights from the #32-62 Trench include:

- The Oxide-Sulphide Veins are late 030°-045° trending shears, post-dating the earlier 320°-020° trending Sulphide Veins found elsewhere on Ishkodag, and especially here in #32-62 Trenches.
- The most significant individual channel assay results occur in the same 40m by 2m wide, N-S trending combined Oxide-Sulphide Vein from Trench #32 (Figure 3) include:
 - 0.33m @ 7.15 g/t gold, 170.00 g/t silver, 11.95% zinc, 1.10% copper and 0.91% lead (sample 868076)
 - 0.51m @ 0.73 g/t gold, 8.40 g/t silver, 13.95% zinc and 0.25% copper (868026); and
 - 0.61m @ 0.68 g/t gold, 7.00 g/t silver and 10.45% zinc (867889).
- In the adjacent Trench #62 (Figure 4), they include:
 - 0.38m @ 1.07 g/t gold, 21.40 g/t silver, 30.00% zinc and 0.61% copper (869994);
 - 0.84m @ 0.63 g/t gold, 9.00 g/t silver and 10.95% zinc (867747); and
 - 0.55m @ 6.07 g/t gold, 11.30 g/t silver and 6.21% zinc (867796), all in the same combined NE-SW Sulphide and Oxide-Sulphide Vein.
- The current length of the gold and base metal mineralization from the contiguous mineralization of the #56-65 Trench #36 and recent prospecting suggest the Sulphide and Oxide-Sulphide Veins now extends some 550m in the NE-SW trend.

Individual and composite interval channel samples assay results greater than 1 g/t gold and/or greater than 1% zinc from new 90m by 20m #32-62 Trenches are summarized in appended Table 1. These new results build on the previously released results elsewhere in the CRK Target zone (refer to the Corporation's news releases of September 12, September 24, October 18, October 25 and October 29, 2019):

- The 190m by 20m Trench #36 from the main central segment of the CRK Zone is wedged between the #56-65 Trenches to the NE; Trench #39 to the SE; #32-62 Trenches and Trench #37 to the W-SW; and Trench #34 (Azurite segment) to the N-NW. Trench #36 features extensive Oxide-Sulphide Veins development, and yielded up to 2.62m @ 0.84 g/t gold, 13.10 g/t silver, 5.23% zinc, containing a higher grade portion of 4.50 g/t gold, 13.10 g/t silver, 20.40% zinc over 0.30m, in a Sulphide Vein. A second interval 3.02m long gave 1.19 g/t gold, 2.30 g/t silver, with a higher grade portion of 9.14 g/t gold, 16.30 g/t silver over 0.27m, in a section of the "A-2" Quartz Vein.
- The 120m long by 10-15m wide #56-65 Trenches also features continuous Oxide-Sulphide veins. In addition, the "A-2" Quartz Vein, is contiguous to the NE of Trench #36, giving a full length of 310m to the gold and base metal mineralization. The #56-65 Trenches yielded 3.25m @ 1.44 g/t gold, 6.37 g/t silver, 2.42% zinc, 0.08% copper, 0.01% lead and 1.39 g/t gold, 9.84 g/t silver, 3.68% zinc, 0.10% copper, 0.04% lead, in Oxide-Sulphide Veins; and 0.76m @ 13.8 g/t gold, 5.20 g/t silver in the "A-2" Quartz Vein;

<http://www.laurion.org/ishkoday-project/highlights/2019-field-exploration-program/>

QA-QC Protocols

Samples for assay from this program are 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 of analysis. LAURION employs an industry standard system of external standards, blanks and duplicates for all its sam addition to the QA/QC protocol employed by the laboratory.

Each channel sample was individually cut using a double-bladed saw by a LAURION field technician to lengths chosen by senior geologists, approximately a 5cm width and 10cm depth. Individual samples weighed from 3 to 8kg. Each channel was sampled by LAURION field technicians, and inserted in individual plastic bags, each with ALS sample tags, and sealed with tags with the ALS sample number were inserted at the beginning of each sample channel cut. The field data gathered included sample number, azimuth of the channel, channel/sample lengths, geology and geo-reference using UTM coordinates.

Individual plastic sample bags were then returned to the LAURION field office where they are catalogued and inserted into nylon bags with standards, blanks and duplicates in a pre-established sequence. The nylon bags were then sealed and transported by LAURION technicians 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 pulp to 85% <75µm. A final 50 gram pulp split is 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. If silver, 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 172,415,816 outstanding shares of which approximately 5% are 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, which is a large-scale, high-grade, open-pit, gold-silver and gold-rich polymetallic mineralization with a significant upside potential. Ishkoday has a project-wide database of geophysical and geological data (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 and the current core-drilling limit of -200 m from surface, based on the historical mining to a -685 m depth, as evidenced in the production of the 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.

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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Table 1: Individual and composite interval channel sample assay results greater than 1 g/t gold and/or greater than 1% zinc from the new combined 90m by 20m Trenches #32 and #62 of the CRK Zone West segment.

SAMPLE NUMBERS	CHANNEL SAMPLE LENGTHS ¹ (m)	AZIMUTH (°)	ROCK TYPES	GOLD (g/t)	SILVER (g/t)	ZINC (%)	COPPER (%)	LEAD (%)
TRENCH #32								
867889	0.61	280	SV	0.68	7.00	10.45	0.05	0.03
867892	0.23	075	SV	0.87	12.50	5.46	0.17	0.26
867893	0.24	080	SV	0.51	3.90	6.25	0.10	0.01
	0.47m @ 0.69 g/t gold, 8.11 g/t silver, 5.86% zinc, 0.14% copper, 0.14% lead							
868011	0.25	093	SV	0.16	7.20	6.64	0.08	0.02
868012	0.72	093	MAGSV	0.10	1.80	1.09	0.03	trace
869952	0.45	141	MAGSV	0.24	1.90	0.15	0.15	trace
	1.42m @ 0.16 g/t gold, 2.78 g/t silver, 1.77% zinc, 0.08% copper, trace lead							
868026	0.51	100	SV	0.73	8.40	13.95	0.25	0.01
868046	0.59	285	SV	0.77	3.70	7.73	0.12	trace
868062	0.75	315	MAGSV	0.88	14.30	3.99	0.25	0.02
868063	0.97	345	MAGSV	1.12	9.40	3.72	0.31	0.01
868067	0.43	216	MAGSV	0.47	10.20	1.90	0.20	0.06
868068	0.48	216	MAGSV	0.36	6.90	1.54	0.14	0.01
	0.91m @ 0.41 g/t gold, 8.46 g/t silver, 1.71% zinc, 0.17% copper, 0.04% lead							
868072	0.43	227	MAGSV	0.25	6.80	2.00	0.12	0.01
868076	0.33	278	SV	7.15	170.00	11.25	1.10	0.91
868077	0.48	278	SV	0.74	16.70	4.08	0.47	0.04
868078	0.62	276	MAGSV	0.69	8.30	0.96	0.11	0.01
868079	0.76	276	MAGSV	0.18	6.10	0.19	0.15	trace
	2.19m @ 1.50 g/t gold, 33.74 g/t silver, 2.93% zinc, 0.35% copper, 0.15% lead							
868106	0.82	287	MAGSV	0.69	5.30	0.06	0.11	0.01
868107	0.65	287	MAGSV	0.09	1.00	0.52	0.02	0.01
868108								

0.53



2.64

0.02

868109	0.50	282	MAGSV	1.67	12.90	4.50	0.22	0.02
868111	1.48	282	MAGSV	0.75	5.60	1.46	0.09	0.01
	3.98m @ 0.92 g/t gold, 6.46 g/t silver, 1.56% zinc, 0.10% copper, 0.01% lead							
869781	0.69	200	MAGSV	0.19	4.50	1.14	0.05	0.01
869974	0.49	261	MAGSV	0.38	3.90	0.73	0.13	0.01
869976	0.48	321	MAGSV	0.58	5.10	2.33	0.14	0.01
869977	0.39	312	MAGSV	9.56	11.70	2.98	0.16	trace
869978	0.58	249	MAGSV	0.62	8.30	0.73	0.06	0.01
869979	0.48	085	MAGSV	0.20	3.90	2.22	0.07	0.01
	2.42m @ 1.92 g/t gold, 6.45 g/t silver, 1.71% zinc, 0.11% copper, 0.01% lead							
A0060297	0.98	281	MAGSV	0.13	10.60	1.18	0.10	0.33
A0060298	0.56	275	SV	0.69	40.70	6.70	0.72	1.36
A0060299	1.07	302	MAGSV	0.08	3.90	3.59	0.13	0.01
	2.61m @ 0.23 g/t gold, 14.31 g/t silver, 3.35% zinc, 0.25% copper, 0.42% lead							
TRENCH #62								
864503	0.52	008	MAGSV	2.43	4.80	0.69	0.02	trace
A0060304	0.42	262	MAGSV	0.23	1.50	2.32	0.03	trace
867738	0.60	320	SV	0.32	10.20	10.95	0.56	0.01
867739	0.78	320	MAGSV	0.27	2.40	1.33	0.05	0.01
867740	0.57	320	MAGSV	1.31	6.70	4.81	0.15	0.02
	1.95m @ 0.59 g/t gold, 6.06 g/t silver, 5.31% zinc, 0.24% copper, 0.01% lead							
867743	0.63	293	MAGSV	0.08	0.25	0.95	0.01	trace
867744	0.80	293	MAGSV	0.92	2.70	2.08	0.02	0.01
867745	0.57	293	MAGSV	0.25	2.20	4.03	0.04	0.01
867746	0.52	293	MAGSV	0.22	4.80	4.84	0.02	0.04
867747	0.84	083	SV	0.63	9.00	10.95	0.10	0.03
867748	0.71	293	MAGSV	0.22	1.20	2.03	0.02	trace
867749	1.30	293	MAGSV	0.24	2.00	1.44	0.02	0.01
867751	1.24	293	MAGSV	0.10	1.10	1.06	0.02	trace
	6.61m @ 0.33 g/t gold, 2.79 g/t silver, 3.16% zinc, 0.03% copper, 0.01% lead							

SAMPLE NUMBERS	CHANNEL SAMPLE LENGTHS ¹ (m)	AZIMUTH (°)	ROCK TYPES	GOLD (g/t)	SILVER (g/t)	ZINC (%)	COPPER (%)	LEAD (%)
	6.61m @ 0.33 g/t gold, 2.79 g/t silver, 3.16% zinc, 0.03% copper, 0.01% lead							
867765	0.85	324	MAGSV	0.12	0.25	1.16	0.01	trace
867766	0.53	320	MAGSV	0.47	1.40	2.94	0.02	trace
867767	0.38	320	MAGSV	0.50	2.00	3.60	0.05	0.01
	1.76m @ 0.31 g/t gold, 0.97 g/t silver, 2.22% zinc, 0.02% copper, trace lead							
867771	0.79	311	MAGSV	0.18	1.60	1.41	0.04	trace
867782	0.50	287	MAGSV	0.65	2.30	5.34	0.03	0.01
867783	1.17	325	MAGSV	1.04	2.80	1.76	0.03	0.02
	1.67m @ 0.92 g/t gold, 2.65 g/t silver, 2.83% zinc, 0.03% copper, 0.02% lead							
867784	0.66	297	MAGSV	1.79	5.70	1.45	0.03	0.01
867785	0.49	296	MAGSV	0.76	3.10	2.92	0.05	0.01
867787	0.35	313	MAGSV	1.58	52.10	3.44	0.08	0.09
867788	0.76	313	MAGSV	2.09	6.00	0.76	0.08	0.01
	1.12m @ 1.91 g/t gold, 20.35 g/t silver, 1.59% zinc, 0.08% copper, 0.04% lead							
867793	0.70	310	MAGSV	1.98	3.20	3.06	0.09	0.01
867794	0.73	320	MAGSV	1.74	0.60	0.20	trace	trace
867796	0.55	320	MAGSV	6.07	11.30	6.21	0.01	0.02
867797	0.58	350	MAGSV	1.04	3.20	0.58	0.17	0.01
	2.56m @ 2.58 g/t gold, 4.20 g/t silver, 2.36% zinc, 0.07% copper, 0.01% lead							
869981	0.69	200	MAGSV	0.24	8.20	2.28	0.15	0.02
869989	1.14	115	MAGSV	3.16	7.90	2.77	0.05	trace
869991	0.90	020	MAGSV	0.82	3.10	4.88	0.07	0.02
869992	1.24	135	MAGSV	0.35	1.50	2.09	0.02	0.01
	3.28m @ 1.46 g/t gold, 4.16 g/t silver, 3.09% zinc, 0.04% copper, 0.01% lead							
869993	0.74	324	MAGSV	3.40	8.10	1.39	0.03	0.01
869994	0.38	281	SV	1.07	21.40	30.00	0.61	0.04
A0060306	0.70	298	MAGSV	0.85	2.90	4.30	0.06	0.02

A0060308	0.85	096	MAGSV	0.48	2.90	0.25	0.02	trace
A0060309	0.96	086	MAGSV	3.30	8.10	4.35	0.14	0.01
A0060311	0.82	094	MAGSV	3.75	5.30	2.84	0.13	0.01
A0060312	0.86	094	MAGSV	0.41	1.80	0.50	0.10	0.01
	3.49m @ 2.01 g/t gold, 4.62 g/t silver, 2.05% zinc, 0.10% copper, 0.01% lead							
A0060313	0.27	289	MAGSV	3.29	9.70	3.05	0.30	0.01
A0060314	0.69	289	MAGSV	1.26	6.50	6.31	0.28	0.01
A0060316	0.47	289	MAGSV	3.85	3.50	4.80	0.04	0.01
	1.43m @ 2.50 g/t gold, 6.12 g/t silver, 5.20% zinc, 0.21% copper, 0.01% lead							
A0060317	0.41	094	MAGSV	3.64	2.50	4.54	0.05	trace
A0060318	0.65	324	MAGSV	0.19	0.90	2.95	0.02	trace
A0060319	0.69	299	MAGSV	1.00	3.30	0.54	0.13	0.01
A0060320	0.84	299	MAGSV	6.04	7.50	1.96	0.26	0.01
869996	0.95	200	MAGSV	1.48	6.50	0.83	0.26	0.02
	2.48m @ 2.78 g/t gold, 5.95 g/t silver, 1.13% zinc, 0.22% copper, 0.01% lead							
A0060321	0.74	338	MAGSV	0.28	2.50	3.18	0.07	trace
A0060322	0.68	113	MAGSV	0.05	0.25	0.81	0.01	trace
A0060323	0.85	127	MAGSV	0.10	0.70	2.05	0.02	trace
A0060324	0.68	119	MAGSV	0.16	0.90	3.40	0.03	trace
A0060326	0.82	118	MAGSV	2.23	3.20	3.07	0.07	0.01
A0060327	1.23	113	MAGSV	0.16	2.60	0.52	0.10	0.01
	4.26m @ 0.53 g/t gold, 1.69 g/t silver, 1.82% zinc, 0.05% copper, trace lead							
A0060328	0.49	121	MAGSV	0.26	2.80	2.15	0.04	trace
A0060329	0.73	315	SV	1.97	1.70	7.63	0.04	trace
A0060331	0.56	315	MAGSV	0.55	1.60	3.93	0.01	0.01
Note: All individual and interval assay results from the #32-62 Trenches are outlined in the appended Table 2.								
A0060332	0.28	319	MAGSV	0.29	1.50	4.25	0.04	trace

Legend: DJO – Diorite host rock; QV – Quartz Vein ("A-2" Quartz Vein); MAGSV – Magnetite-Arsenite-Chlorite-Sulphide ("Oxide-Sulphide") Vein.

¹ Sample lengths represent apparent true widths, since all channel samples were taken perpendicular to the vein orientations.

SOURCE [Laurion Mineral Exploration Inc.](#)

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