



ONE FOCUS
PROPERTY

LAURION
MINERAL EXPLORATION INC.

TSXV: LME | OTC PINK : LMEFF

SHAREHOLDER MEETING 2023

1.

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Qualified Person

The technical information in this Corporate PowerPoint has been prepared in accordance with Canadian regulatory requirements and has been reviewed and approved by Jean Philippe Paiement, P.Geo., MSc., a consultant to LAURION, and a "qualified person" within the meaning of National Instrument 43-101.

ONE FOCUS - ONE PROJECT

BOARD OF DIRECTORS



Cynthia Le Sueur-Aquin - CEO

Cynthia Le Sueur-Aquin has 40+ years of mine management and international experience in the precious metal mining industry with global exploration and production operations.



Michael Burmi - Director

Michael Burmi is an entrepreneur with 25 years' experience building and managing high-end technology manufacturing organizations, coupled with extensive expertise in running a high-revenue, high-growth engineering/manufacturing business.



Jonathan Covello - Director

John Covello has been the Chief Executive Officer and the President of Covello Financial Group Inc. since March 2012. Mr. Covello has experience in raising strategic capital in many industries, including the mining industry, using global connections.



Tyler Dilney - CFO

Mr. Dilney is a Chartered Professional Accountant with over 10 years of experience and has worked in the mining, technology, and oil and gas industries.

TECHNICAL BOARD



Vikram Jayaraman

Vikram Jayaraman holds a Master's Degree in Metallurgy from McGill University and a Master's Degree in Business Administration (MBA) from the Rotman School of Management at University of Toronto. Previously, Vikram was the Vice President – Solutions Sales at Outotec OY, where he had global responsibility for process solution sales and proposals.



Jean-Philippe Paiement

Jean-Philippe Paiement has a wide range of experience in modelling of diverse mineral system. Jean-Philippe has 15 years of experience in geostatistics applied to structural, geological, and geochemical modelling; specializing in non-linear interpolation and simulation. Before joining Mira Geoscience Jean-Philippe was also the scientific driving force behind the success of SGS team in winning the Integra GoldRush Challenge; by application of Machine Learning to mineral deposit targeting.



Scott Biloski

Scott Biloski is a Civil Engineering Technologist with over 25 years of experience and is President and Co-Owner of Biloski Brothers Sand and Gravel Ltd. Biloski Brothers Sand and Gravel have been in business for 71 Years Serving Northwestern Ontario, operating 2 gravel pits including 1 rock quarry in Thunder Bay Ontario, Biloski Bros. also execute contract and exploration work throughout Northwestern Ontario for various industry clients including government, mining and privately owned pits and quarries.

CORPORATE SUMMARY



- IFF - INSIDERS FRIENDS AND FAMILY – 72% (Retail - 12%, Institutional 16%)
 - Working Capital
 - Flow Through - \$3.1 million
 - Cash - \$6.9 million
- Interest from investments to date - \$350,000
Debt - NIL

Shares Outstanding	263,346,102	52 Week Range	High: \$0.94 Low: \$0.27
Options	4,258,154	November 20, 2023	
Warrants	None	Current Share Price	\$0.49
Fully Diluted	267,604,256	Market Capitalization	\$129M

CORPORATE POSITIONING THROUGH WEALTH CREATION
OF ASSET DEVELOPMENT AND MONETIZATION

DERISKING FOR NEXT STEPS – KEY PARTNERSHIPS ESTABLISHED

EXPLORATION

RONACHER MACKENZIE GEOSCIENCE

Retained 2021 – Project and Exploration Managers

RMG executes LME drilling programs and ensures that appropriate quality assurance/quality control (QA/QC) protocols are in place.

MIRA GEOSCIENCE

Retained 2020 – Integrated Geological Modelling and Interpretation

PERMITTING

BLUE HERON ENVIRONMENTAL

Blue Heron Environmental retained 2020 – Permit Management

Metallurgical Testwork completed (95% recovery – gravity and flotation)

Baseline studies completed (10 groundwater wells installed)

PROJECT MANAGEMENT ENGINEERING AND OPERATIONS

DRA GLOBAL

Engineering, Project Delivery and Operations Management Group

Ore Sorting Studies completed

DORE SOURCING AGREEMENT

METALS HOUSE

MH sources acquires and trades physical gold and silver, refines (Dubai) and delivers to Bullion Banks/Clients.

ESG REPORTING

ONYEN CORPORATION

Onyen is a cloud-based solution that enables LAURION companies and other small to mid-sized mining companies the ability to compile significant amounts of ESG data

INDIGENOUS CONSULTING GROUP

STRATEGIC PLANNING IMPLEMENTATION

MOU completed, Exploration Agreement in progress (AZA, BNA and BZA Groups)

Long term Indigenous and Community Strategic Planning in Progress



MODEL FOR FOUNDATIONAL GROWTH

- **Establish** a diversity of strategic alliances and industry specialists with best-in-class expertise in the mining and exploration sector.
- **Ensure** that LAURION has a continued strong treasury position for next strategic steps.
- **Build** on our substantial geoscientific database asset
- **Advance** Ishkoday Project, projecting a picture of a resilient corporation and strongly positions LAURION in the crosshairs of an a prospective acquiror
- **Validation, Optimization, and Growth** on Ishkoday through:
 - Accurate targeting across the strike length of 6 km, utilizing 3D modelling
 - Identify areas of upside potential through drilling.
 - large scale property opportunities to unlock new discovery zones with significant strike/down plunge extent potential.



Evolving Strategic Opportunities with Maximizing Shareholder Value

OUR KEY ASSETS: ISHKODAY LAND POSITION



Infrastructure Advantages

- Located off major regional Highway 11
- 28 km NE of the town of Beardmore – Hwy 801
- Proximal Grid Power and Water
- Year-round exploration accessibility at reasonable cost
- Proximal to infrastructure and skilled labour force



Our Key Assets:

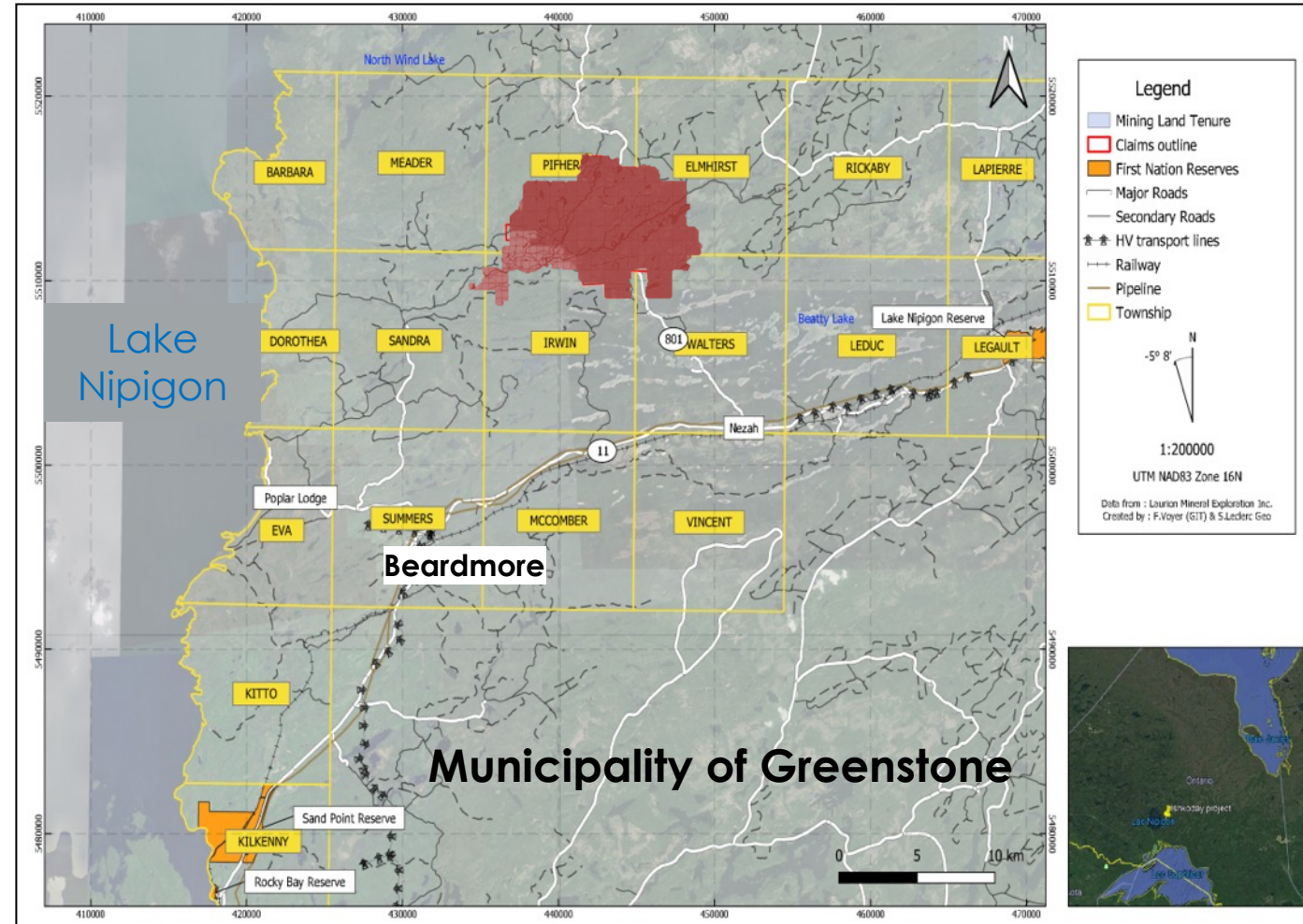
- **Sizeable Prospective Land Position**
- **Depth and Quality of Technical Database**

- **57.43 km²** –located in Irwin, Walters, Elmhirst, Pifher and Summer Townships
- 100% owned 21-year Mining Leases with Surface Rights and Claims



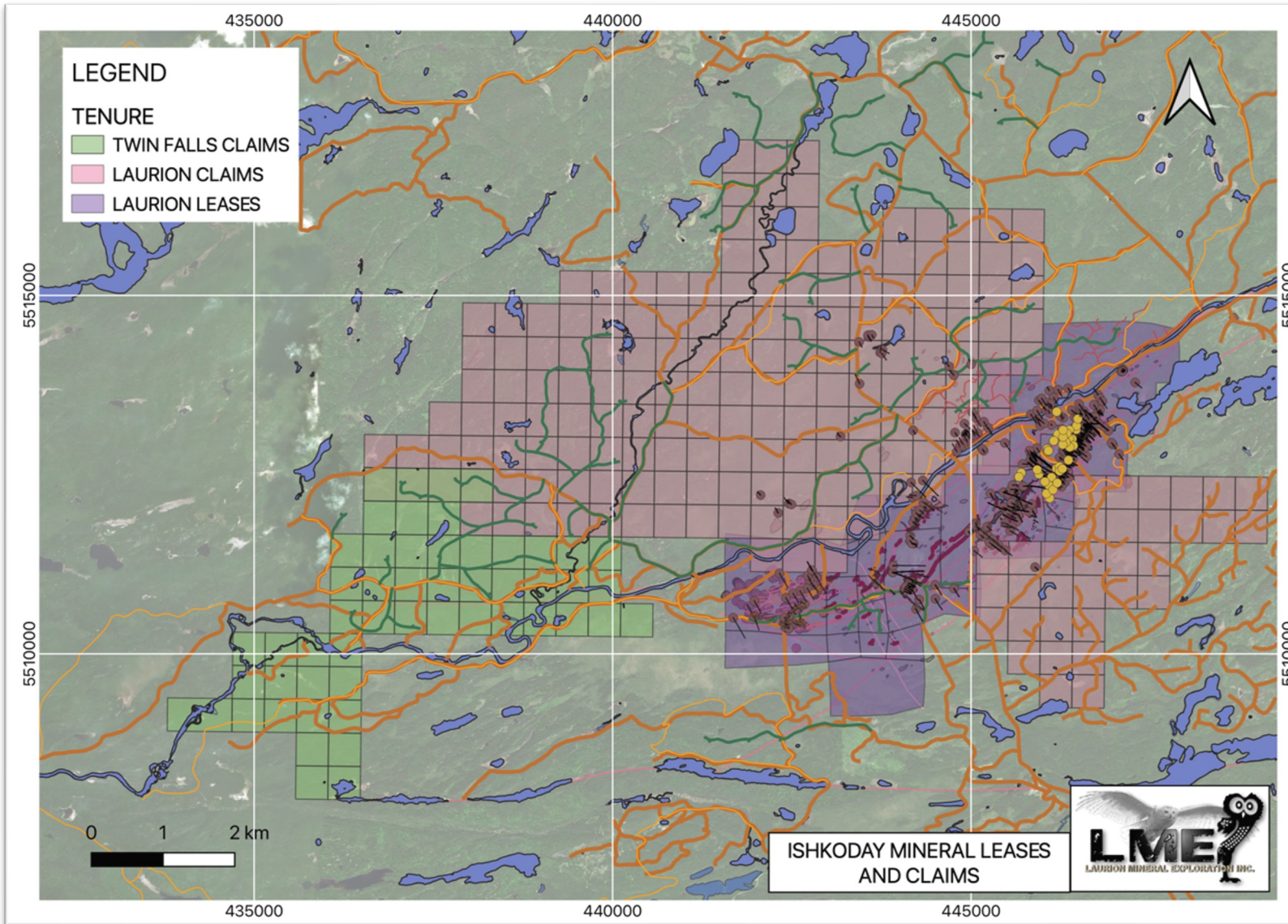
Monetizing Opportunities

- 2 Past High-Grade Producers:
- Sturgeon River Mine -17g/t Au (80,000 ozs in-situ - historical)
- Brenbar Mine - 20g/t Au – (historical report)
- Gold-bearing stockpiles (NI 43-101)



STRONG **UPSIDE** POTENTIAL

ISHKODAY LEASES AND CLAIMS – 57 Km²

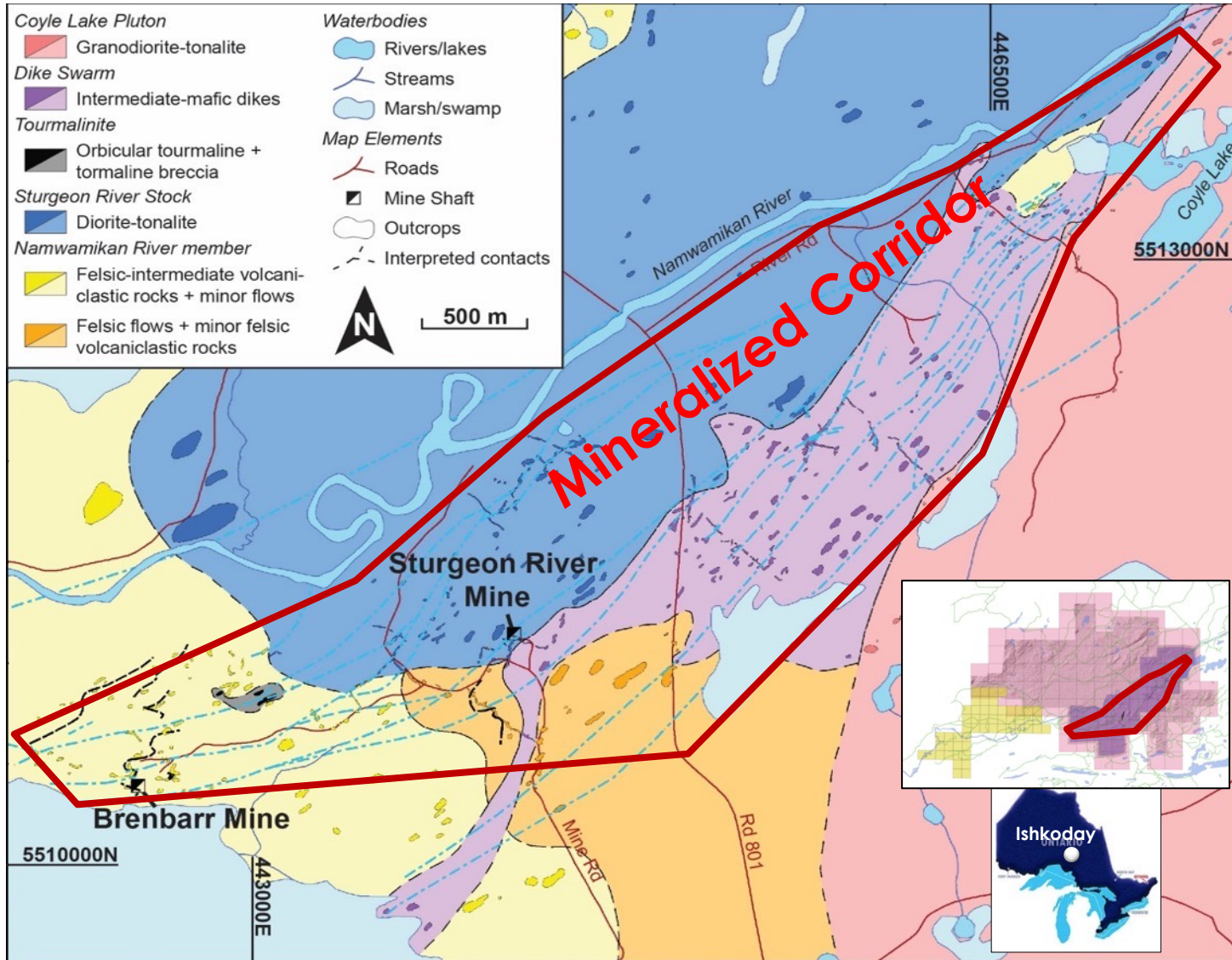


LAURION holds 100% interest in the Ishkoday Property, situated in the Irwin, Walters, Elmhirst, Pifher and Summer Townships in the Onaman-Tashota Greenstone Camp ('OTG'), located 28 km northeast of the Town of Beardmore, Ontario, and 220 km northeast of Thunder Bay, Ontario:

	Interest	Hectares
Ishkoday	15 mining leases	657
Ishkoday North	164 boundary and single cell claims	2,864
Ishkoday South	5 boundary cell claims	64
Ishkoday East	28 boundary and single cell claims	336
Brenbar (a)	2 mining leases	255
Jubilee-Elmhirst (b)	4 mining leases	74
Beaux (c)	1 mining lease	447
Twin Falls	Boundary and single cell mining claims	1,046
	Boundary cell claims	
	Double cell mining claim	
TOTAL		5,743

One Project One Focus

GEOLOGY OVERVIEW – CURRENT FOCUS



Strongman et al (2021)

6 km x ± 2.5 km Mineralized Corridor

The abundance of both gold and base metals endowment throughout the **mineralized corridor** that comprises the Ishkodag mineral system, appears to be evidence of large volumes of metal-bearing hydrothermal fluids having migrated through a large volume of rock

Namewaminikan River Member

- Felsic flows and domes
- Felsic-intermediate volcanoclastic rocks
- Host to the dike swarm

Dike Swarm

- Intermediate dikes striking NE
- Variably porphyritic (Fsp-Amp-Qtz)
- Emplaced during volcanism

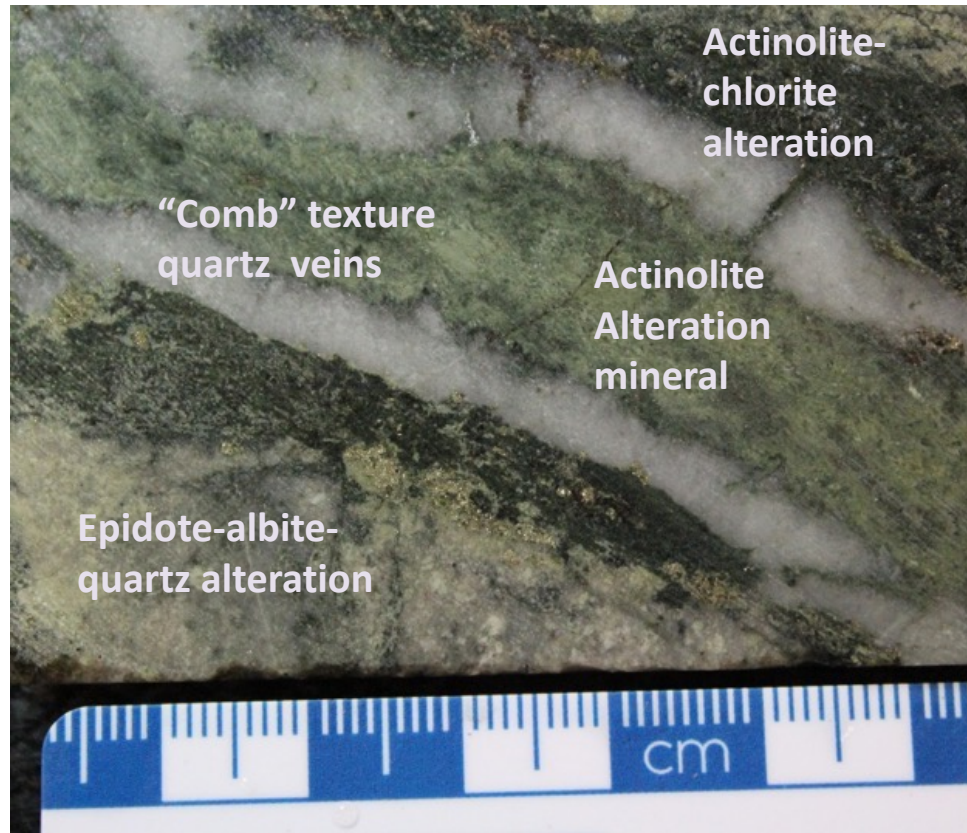
Large Intrusions

- Syn-volcanic Sturgeon River stock
- Syn-tectonic Coyle Lake pluton

HYDROTHERMAL SYSTEMS

EARLY (“ISHKODAY”) STYLE

- Gold-Silver-Zinc-Copper Mineralization
- Epithermal
- Syn-volcanic (ca 2740 Ma)



LATE (“STURGEON RIVER”) STYLE

- Gold Mineralization
- Orogenic
- Syn-tectonic (ca 2690 Ma)

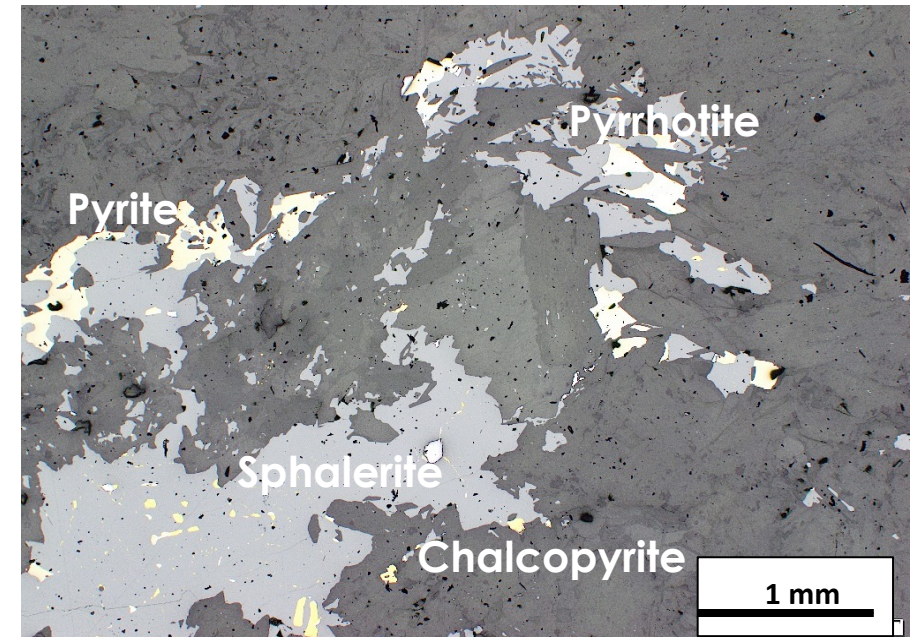
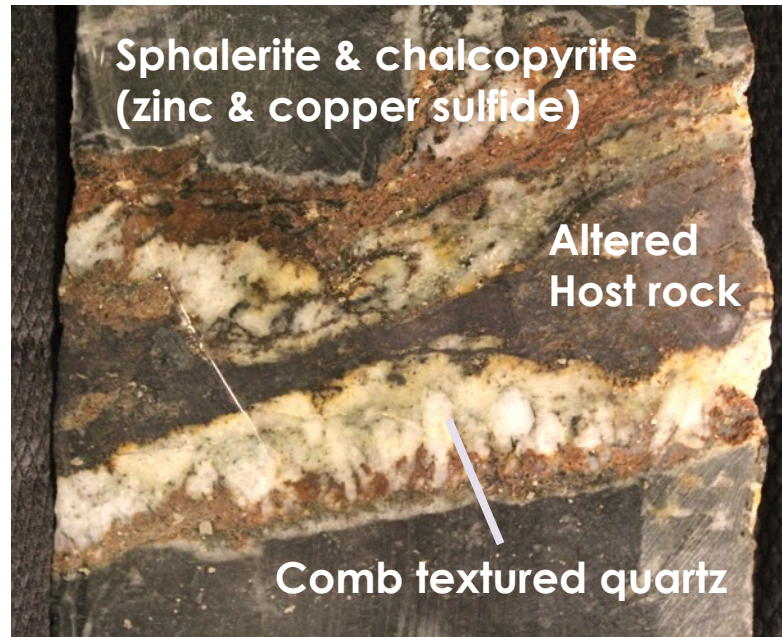


ISHKODAY STYLE MINERALIZATION



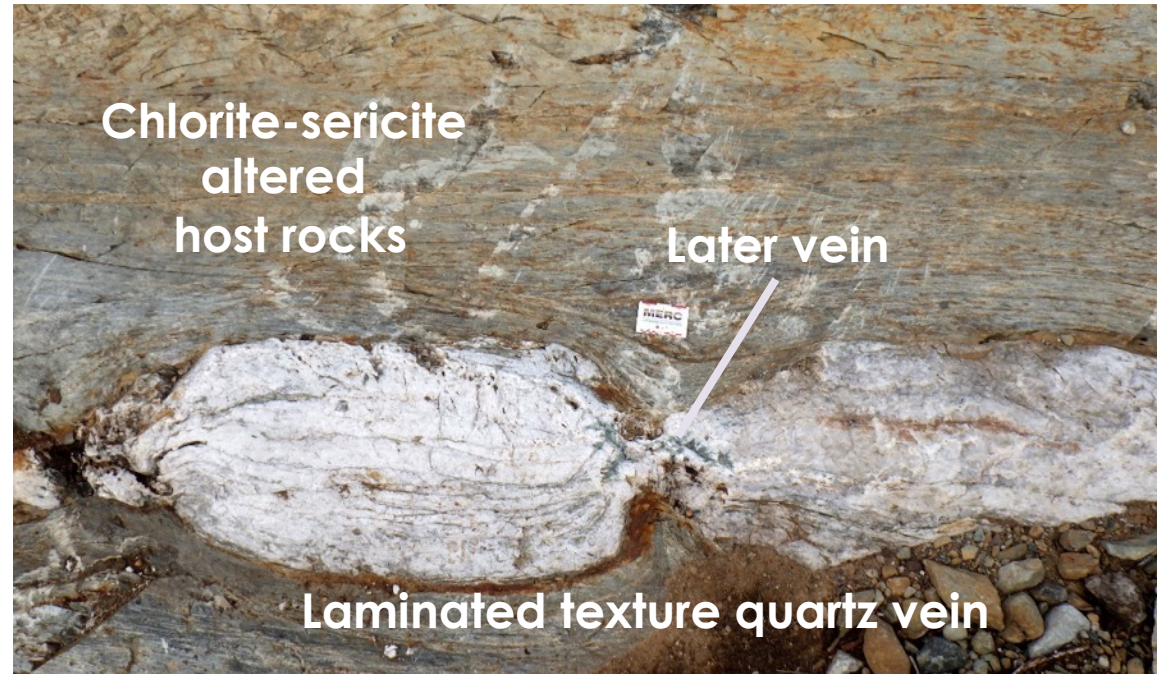
Comb-Textured Quartz Veins

- Multi-generational stockworks 2-40 metres wide
- Commonly filled with later phases (actinolite-magnetite)
- Frequently display breccia textures
- Generally low grades of gold and silver, low to moderate grades of zinc



STURGEON RIVER STYLE MINERALIZATION

- Laminated quartz and quartz-carbonate veins with abundant visible gold
- Variable amounts of chlorite-sericite and carbonate alteration
- Vuggy and laminated textures are common
- Presence of veins is highly controlled by the presence of structures such as shear zones and/or faults



FERTILE GOLD ENVIRONMENT

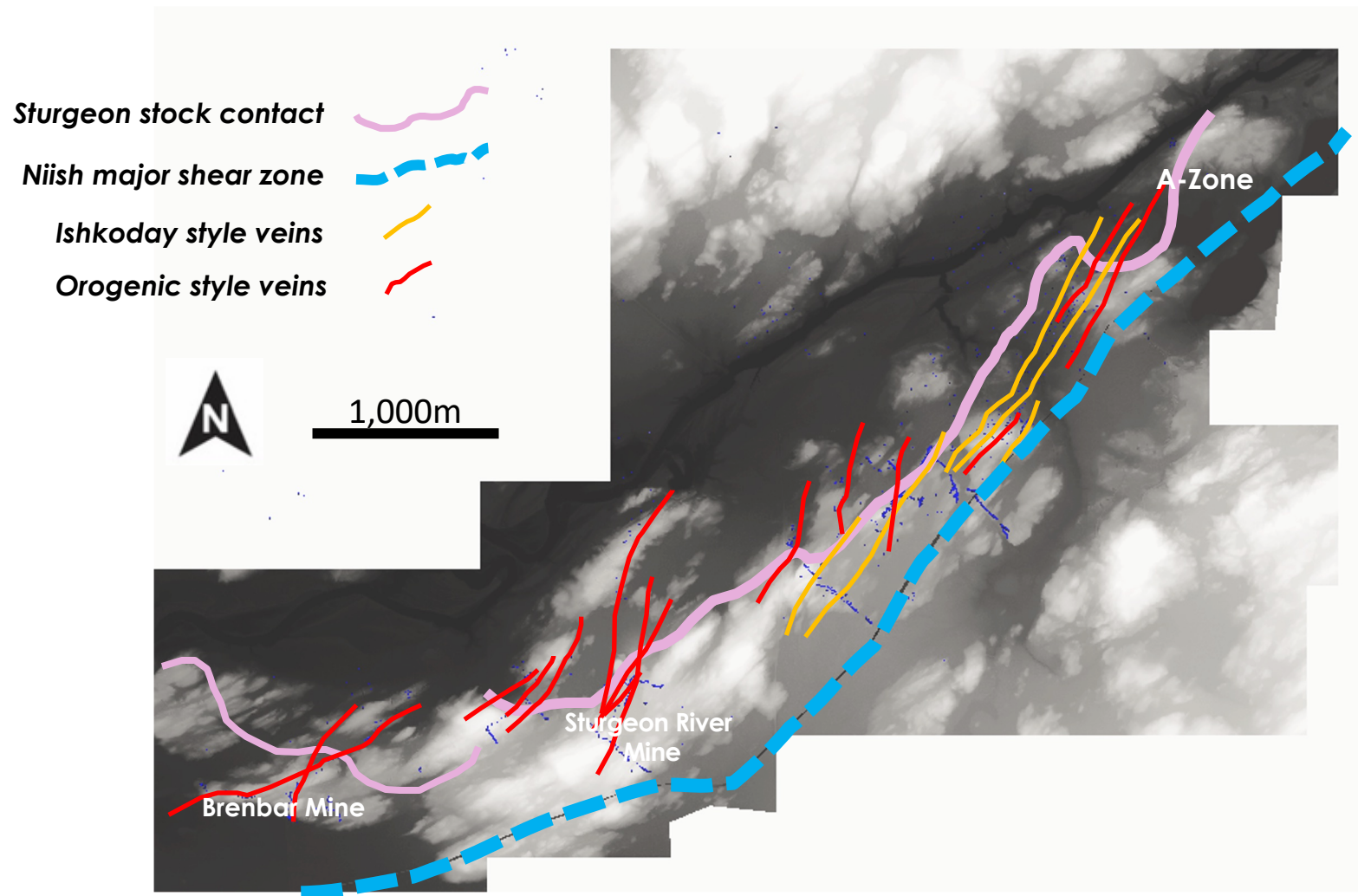
The 2022 drill program identified an orogenic corridor

This orogenic corridor is the key focus of 2023 exploration

LAURION's technical team identified 5 main Au mineralized trends between the Brenbar and A-Zone (6km strike length)

The main orogenic fluid pathway is interpreted to be the Niish shear zone.

The dioritic Sturgeon stock contact represents an important metallotect for gold exploration

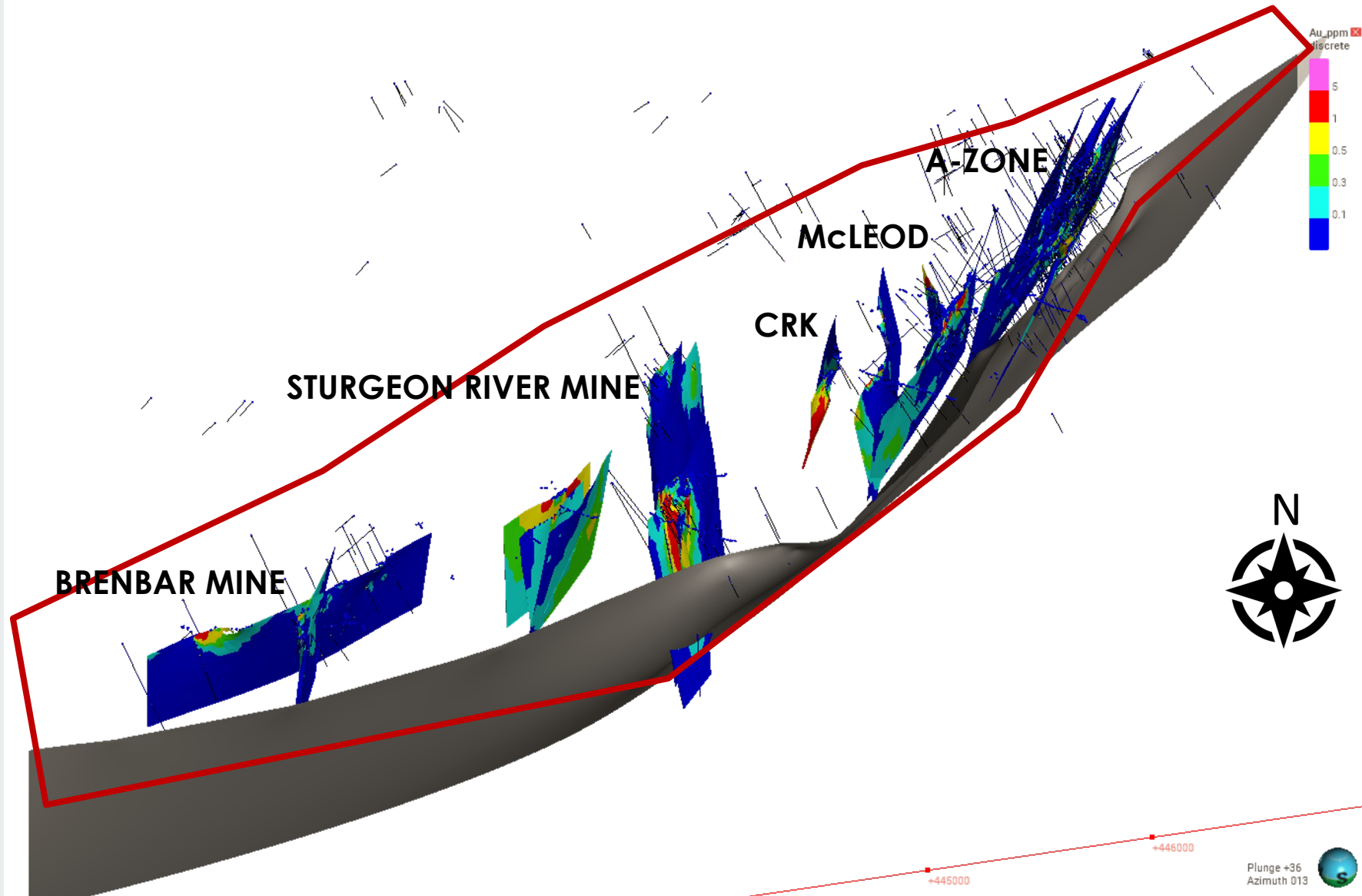


FERTILE GOLD ENVIRONMENT

A total of 20 quartz veins are currently defined in 3D (model) by either, historical or modern drillholes.

The 3D mineralized structures are defined using:

- Surface exploration stripping and trenching
- Surface mapping
- Structural measurements
- Assays for the extensive drilling database



2023 DRILLING UPDATE

2023 Drill Program

3,675 metres of drilling in progress, targeting northeast and southwest extensions of SRM

SRM area identified as key area to delineate resources.

Objective of planned drill holes is to expand the 3D knowledge of the known mined area.

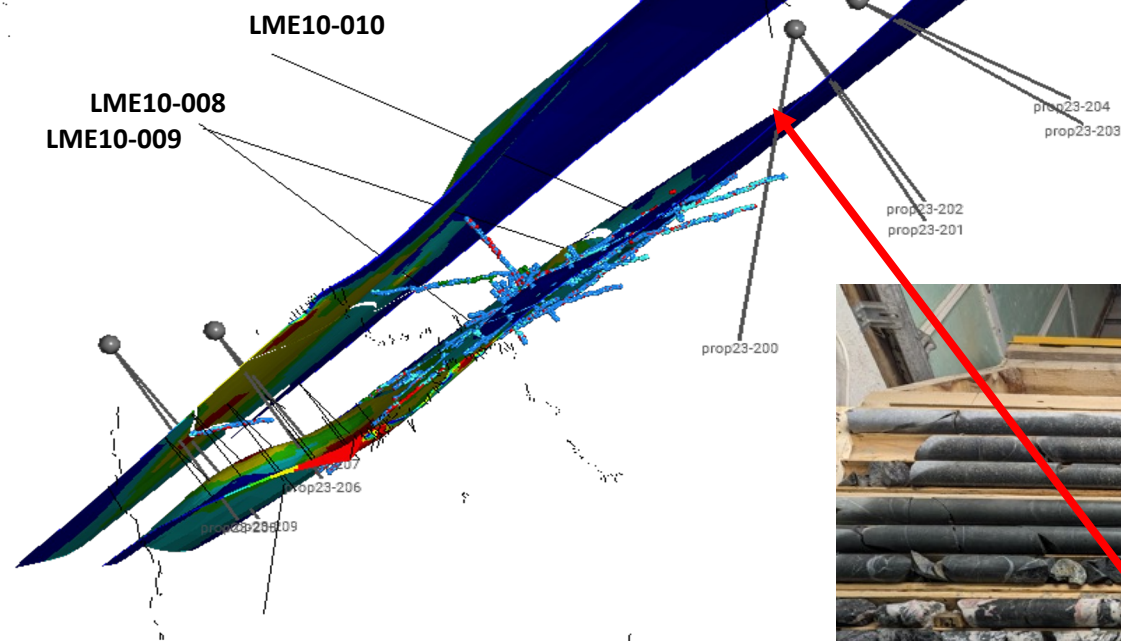
9 drillholes are currently being drilled to the NE and SW of the historical workings.

SRM veins have been intercepted in current drillholes.

2024 Program

Continue testing SRM and areas to the northwest of the mine, following areas prospected in the summer 2023.

DDH	Highlight
LME10-009	14.3 gpt Au over 0.7m
LME10-008	9.69 gpt Au over 1m
LME10-010	3.02 gpt Au over 0.6m



KEY POINTS

- The Ishkoday Property comprises several base and precious metal occurrences
- Our evolving understanding and consequent strategy highlights two types targets, in order of the most prospective these are:
 1. Polymetallic, Ishkoday style (epithermal) targets
 2. Gold, Sturgeon River style (orogenic) targets
- Exploration vectors on Ishkoday polymetallic system are still being deciphered (it's a work in progress). Analogs do not exist.
- The Ishkoday Sturgeon River Style orogenic system has significant economic potential, is well understood and represents the best targets singularly (good) or overprinting earlier Ishkoday style polymetallic mineralization (better). Analogs for orogenic system exist.

LEVERAGING PARTNERSHIPS TO CREATE COMMUNITY

VISION :

LAURION's sustainability strategy recognizes that we conduct business in an evolving, increasingly complex, global landscape and our ability to achieve sustainable outcomes is intertwined with people, politics, our planet and economy.

- To empower our communities through collaborative partnerships that facilitate multi-interest alignments towards shared outcomes while advancing the Ishkoday.
- Execute a business strategy that places a focus on maximizing benefits for the Aboriginal communities involved while ensuring we are able to keep pace with the speed of the Ishkoday development"
- Partnerships which aid the deployed capacity support to help the community engage with the Ishkoday on both the economic and environmental considerations of the project.
- Ensure that community leaders are in control of the decision making
- Incubate a wide variety of skills and provide a stable source of employment, throughout the project lifecycle which include start-up, exploration, feasibility drilling, construction and operations.
- LAURION has partnered with Onyen Corporation - an ESG reporting tool which will help us benchmark our journey of continuous improvement.



STRONGER TOGETHER

LAURION

MINERAL EXPLORATION INC.

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