

LAURION
MINERAL
EXPLORATION



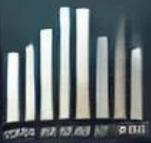
LAURION
MINERAL EXPLORATION INC.



GOLD PRICE

MINERAL RESERVES

MINERAL RESERVES



GOLD



SHAREHOLDER MEETING 2025

CAUTIONARY STATEMENTS

Disclaimer

Certain statements contained in this presentation may constitute forward-looking statements. These statements relate to future events or LAURION's future performance. All statements, other than statements of historical fact, may be forward-looking statements. Forward-looking statements are often, but not always, identified by the use of words such as "seek", "anticipate", "plan", "continue", "estimate", "expect", "may", "will", "project", "predict", "propose", "potential", "targeting", "intend", "could", "might", "should", "believe", "budgeted", "scheduled", "forecasts", and similar expressions or variations (including negative variations). These statements involve known and unknown risks, uncertainties and other factors that may cause actual results or events to differ materially from those anticipated in such forward-looking statements.

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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.

DRIVEN BY EXPERTISE **POWERED BY VISION:**
LAURION'S MANAGEMENT LEADS **THE WAY IN EXPLORATION**

TECHNICAL AND ADVISORY 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.



Doug Vass

Douglas Vass is based out of Lake Country, British Columbia. With over two decades of experience, Douglas has forged a remarkable career in business and investing. His expertise in business development, and a keen investment focus on junior exploration companies and the stock market, sets him apart. A seasoned professional and existing shareholder of LAURION, Douglas' skills encompass M&A, marketing, entrepreneurship, business strategy, finance, and leadership. His journey reflects a commitment to excellence in navigating the intricate landscapes of both corporate development and financial markets.

DRIVEN BY EXPERTISE POWERED BY VISION

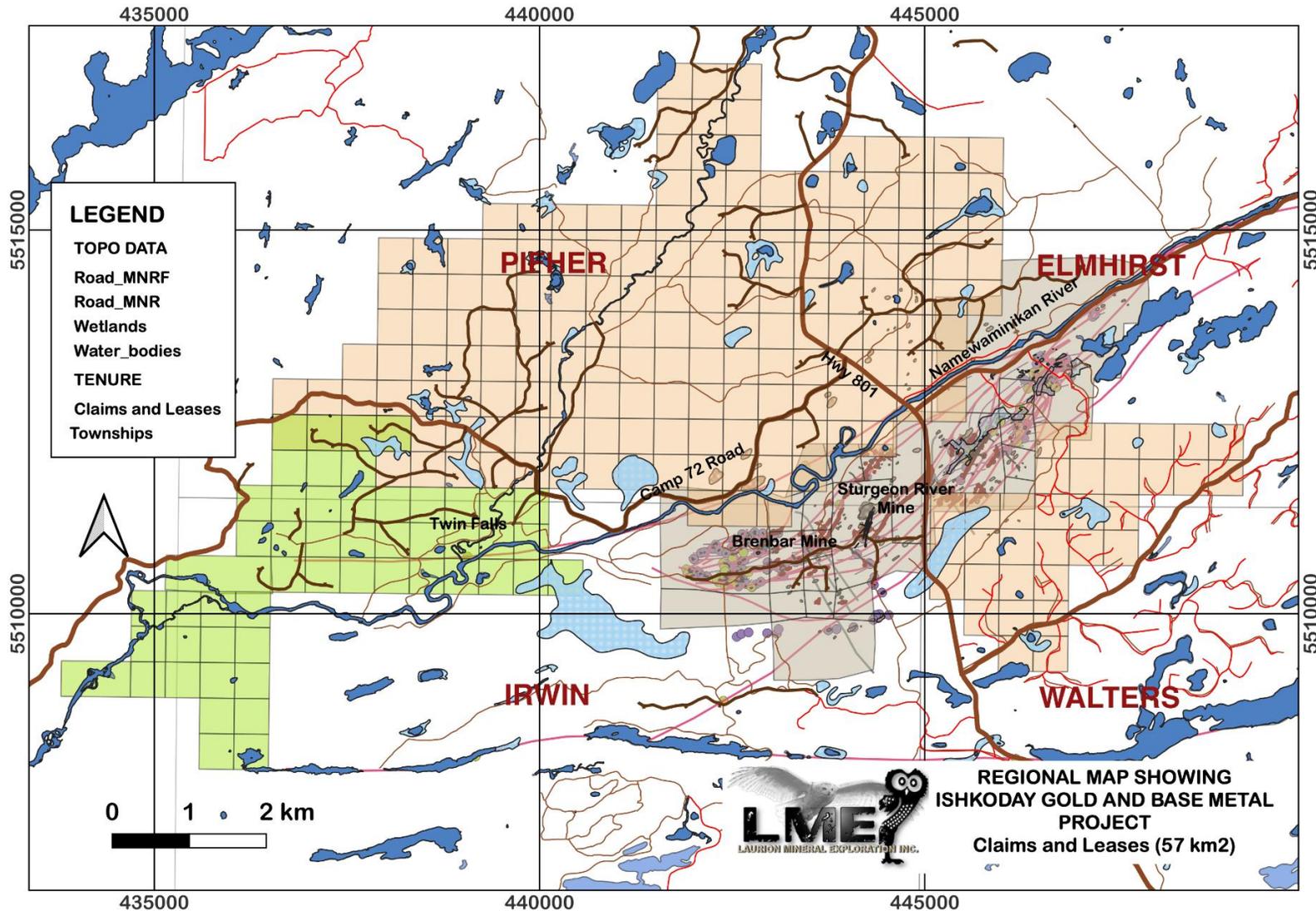
CORPORATE SUMMARY

CORPORATE POSITIONING THROUGH WEALTH CREATION OF ASSET DEVELOPMENT AND MONETIZATION



- **Ownership Structure:**
 - Insiders, Friends, and Family **73.6%**;
 - Retail Investors holding **11%**; and,
 - Institutions at **15.4%**.
- **Stock Metrics:**
 - Shares Outstanding: **273,494,904**;
 - Options: **2,945,031**;
 - Warrants: None.
- **Stock Performance:**
 - 52-week range:
 - High **\$0.51**,
 - Low **\$0.32**;
 - Current Price: **\$0.40**.
- **Market Capitalization:** \$108M,
- Fully diluted shares at **276,439,935**

ISHKÖDAY LEASES AND CLAIMS – 57 KM²



LAURION holds 100% interest in the Ishkōday 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, and 220 km northeast of Thunder Bay, Ontario:

	Interest	Hectares
Ishkōday	15 mining leases	657
Ishkōday North	164 boundary and single cell claims	2,864
Ishkōday South	5 boundary cell claims	64
Ishkōday East	28 boundary and single cell claims	336
Brenbar (a)	2 mining leases	255
Jubilee-Elmhirst (b)	4 mining leases	74
Beaurox (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

WHERE GEOLOGY MEETS SCALE: GOLD AND BASE METAL DISCOVERY

MODEL FOR FOUNDATIONAL GROWTH



1. **Maintaining a strong treasury** to support the next strategic steps.
2. **Leveraging an extensive geoscientific database** to enhance exploration efficiency.
3. **Validating and optimizing key targets** using 3D modeling across the 2.5 km x 6 km strike length.
4. **Identifying upside potential** through focused drilling programs.
5. **Unlocking new discovery zones** through large-scale property exploration targeting significant strike and down-plunge extensions.
6. **Advancing the Ishkōday Project** to showcase corporate resilience and attract potential acquirors.
7. **Established strategic alliances** with industry experts in mining and exploration.

EMPOWERING EXPLORATION:
UNLOCKING VALUE ACROSS ISHKŌDAY'S MINERALIZED
CORRIDOR

DE-RISKING THE FUTURE – ESTABLISHING KEY PARTNERSHIPS



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.

JEAN PHILIPPE PAIEMENT – 3D MODELLING

PERMITTING

BLUE HERON ENVIRONMENTAL

Blue Heron Environmental – (AEP) Permit Management
Metallurgical Testwork completed (95% recovery – gravity and flotation)
Baseline studies completed (10 groundwater wells installed)

PROJECT MANAGEMENT ENGINEERING AND OPERATIONS

DRA GLOBAL, NORDMIN AND KNIGHTS PIESOLD

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 (2019).

ESG REPORTING

ONYEN CORPORATION

Onyen is a cloud-based solution that enables LAURION the ability to compile significant amounts of ESG data

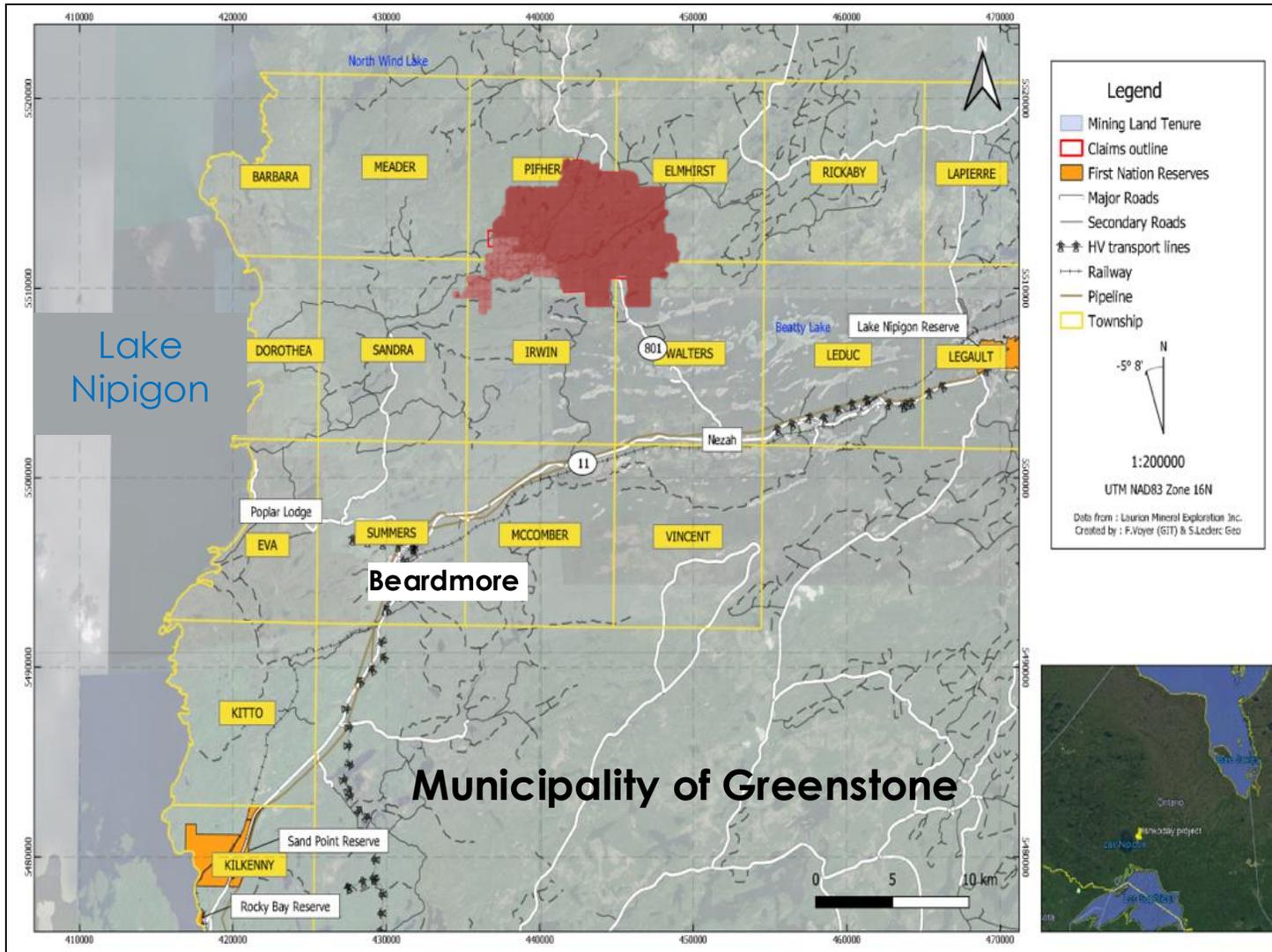
INDIGENOUS CONSULTING GROUP

STRATEGIC PLANNING IMPLEMENTATION

MOU completed, Exploration Agreement in progress (AZA, BNA and BZA Groups)
Long term Indigenous and Community Strategic Planning in Progress

INNOVATIVE PARTNERSHIPS, STRONG GEOLOGY – SHAPING THE FUTURE FOR MINING

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)
- Mineral Property of Merit Completed - Ishkoday's exploration potential ranges from 22.5 to 45 Mt, with an average grade 0.11 g/t Au to 8.67 g/t Au.

STRONG UPSIDE POTENTIAL

LEVERAGING PARTNERSHIPS TO CREATE OUR COMMUNITY

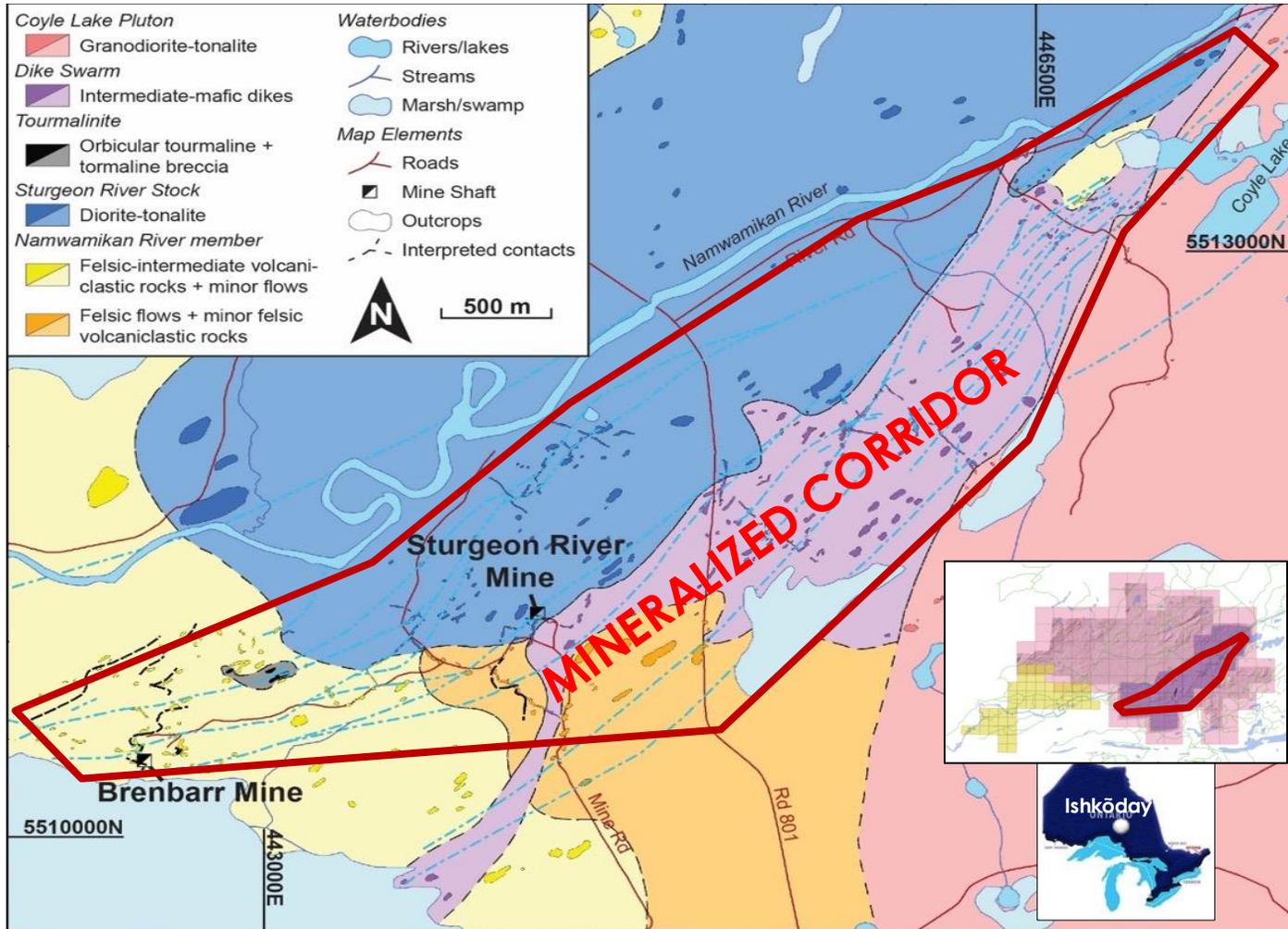
Consolidated Vision and Sustainability Highlights:

- **LAURION's sustainability strategy** focuses on achieving sustainable outcomes in an evolving global landscape, recognizing the interconnectedness of **people, politics, the planet, and the economy**.
- Committed to **empowering our communities** through **collaborative partnerships**, fostering multi-interest alignments that support **Ishkōday's development**.
- **Maximizing benefits for our Indigenous communities**, ensuring community leaders are at the forefront of **decision-making** processes.
- Supporting **capacity building** for economic and environmental engagement related to Ishkōday.
- **Promoting skills development** and providing **stable employment** opportunities throughout the project lifecycle—from exploration to operations.
- Partnered with **Onyen Corporation** to implement an **ESG reporting tool**, benchmarking LAURION's **continuous improvement** journey.

STRONGER **TOGETHER**



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 Ishkōday 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

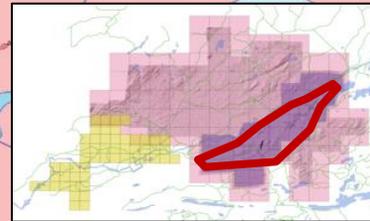
- Felsic flows and domes
- Felsic-intermediate volcaniclastic rocks
- Host to the dike swarm

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

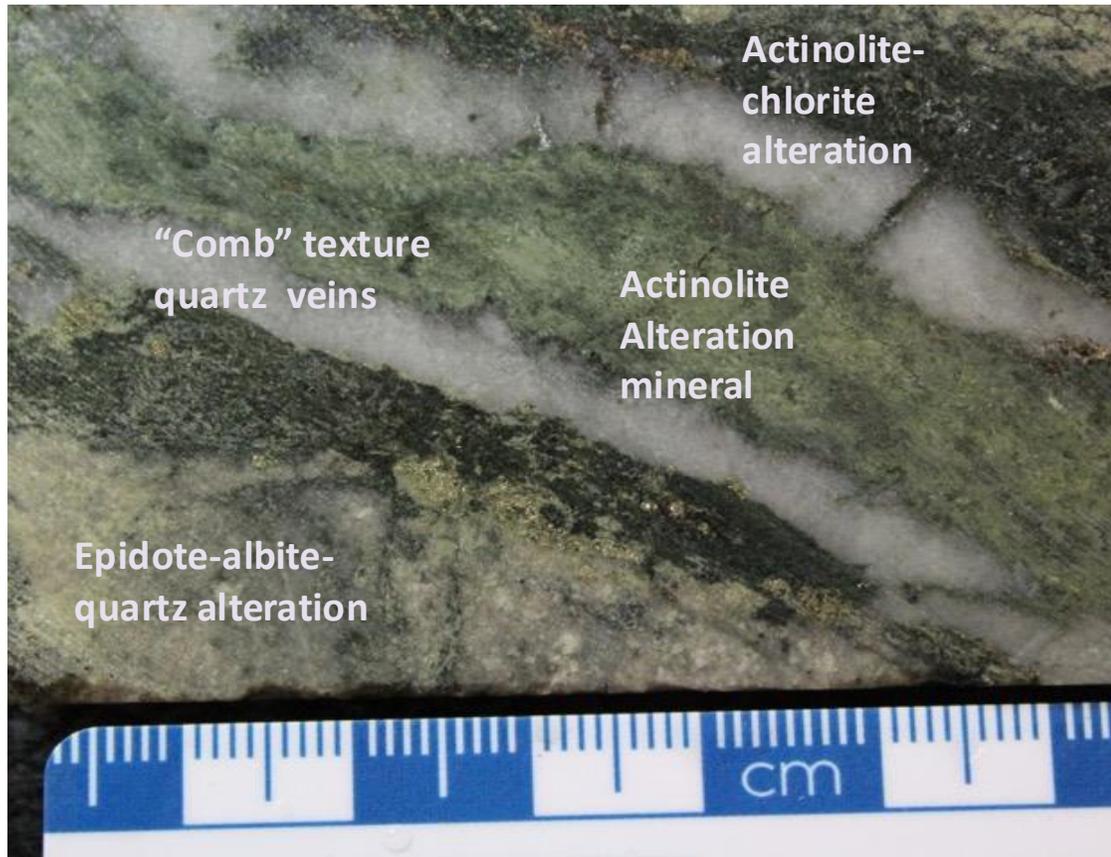


ONE PROJECT, TWO SYSTEMS: ISHKŌDAY'S UNIQUE GEOLOGICAL ADVANTAGE

HYDROTHERMAL SYSTEMS

EARLY (“Ishkōday”) STYLE

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



LATE (“STURGEON RIVER”) STYLE

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

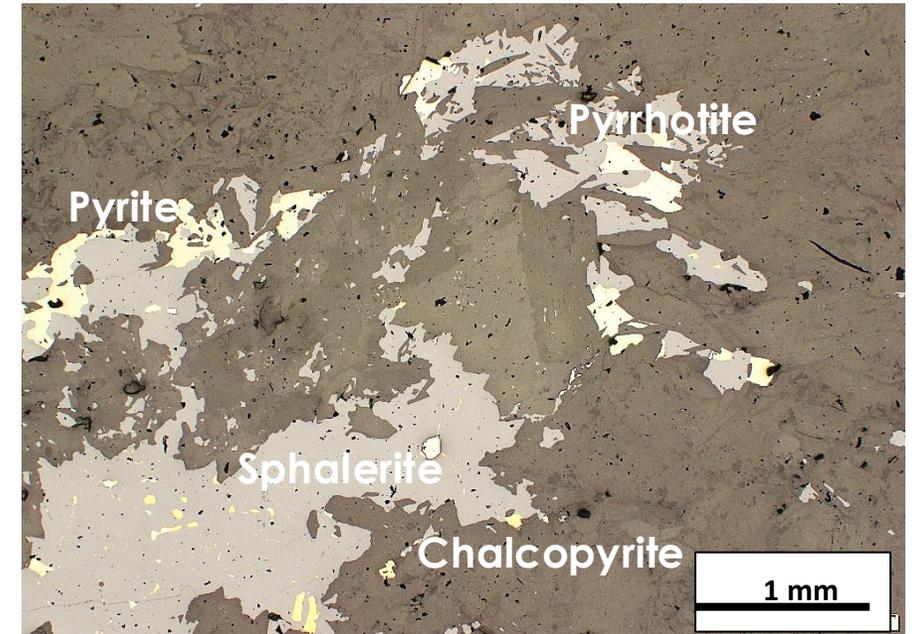
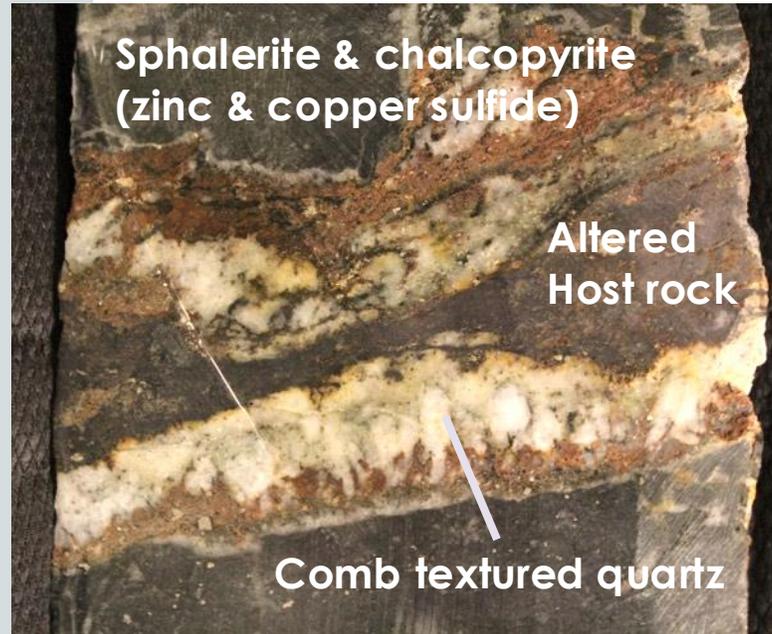


ISHKŌDAY STYLE MINERALIZATION



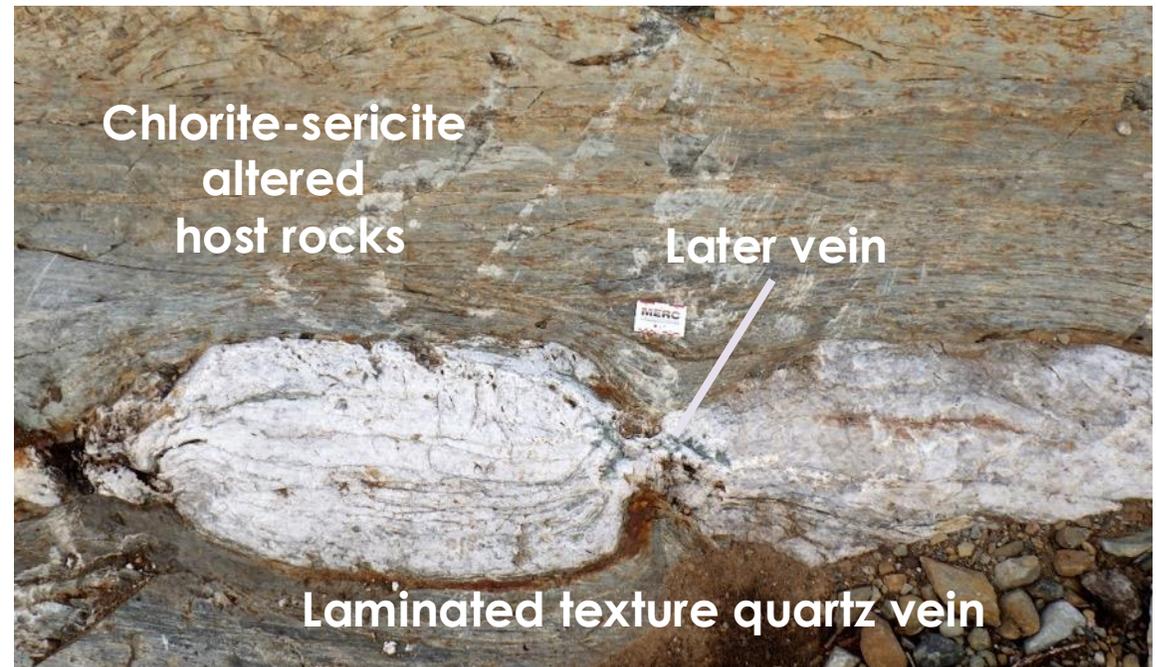
Comb-Textured Quartz Veins

- 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

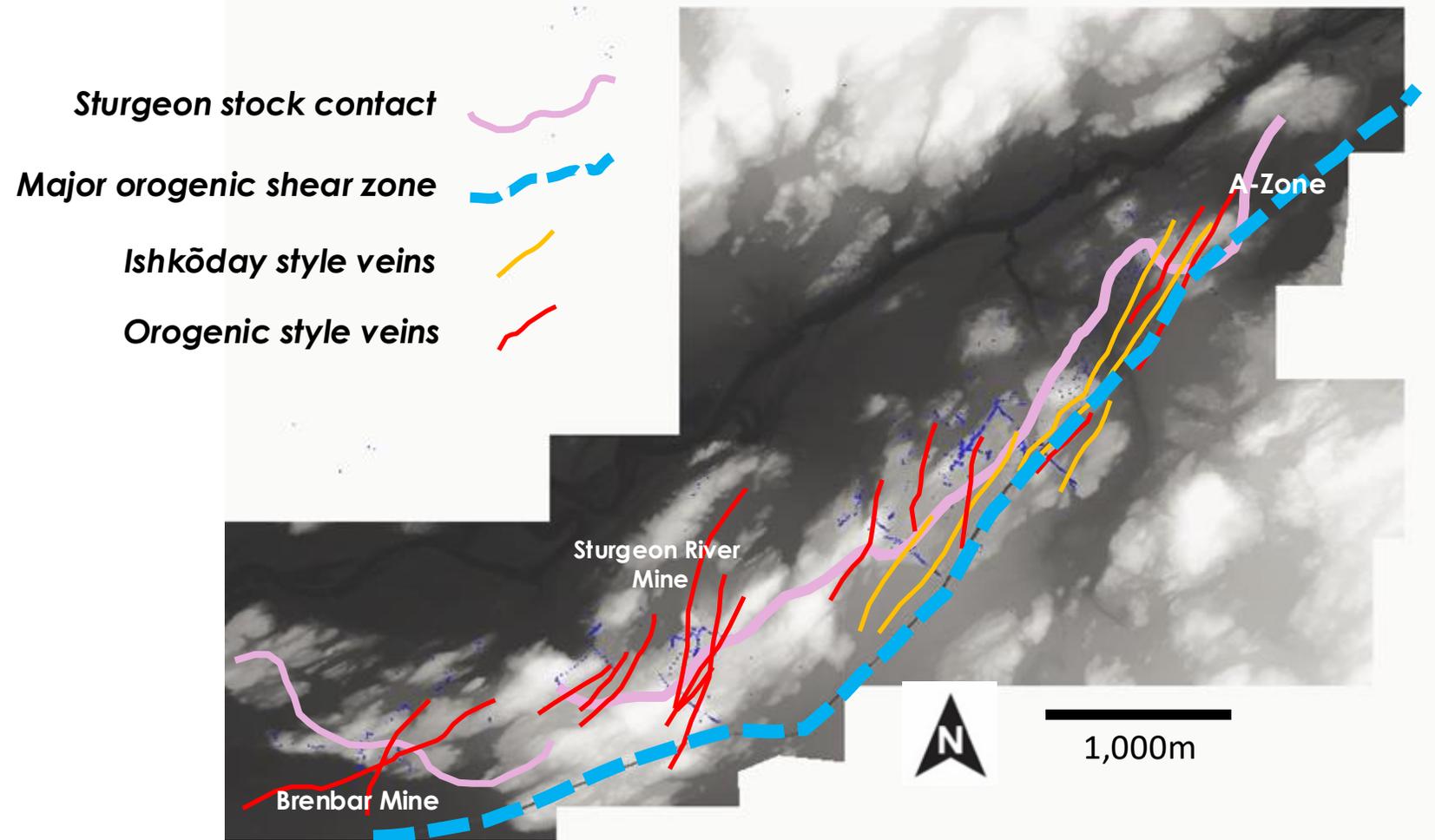
The 2022 drill program identified an orogenic corridor

This orogenic corridor is the key focus of current exploration

LAURION's technical team identified 7 main Au mineralized trends between the Brenbar and A-Zone (6km strike length)

The main orogenic fluid pathway is interpreted to be a major orogenic shear zone.

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



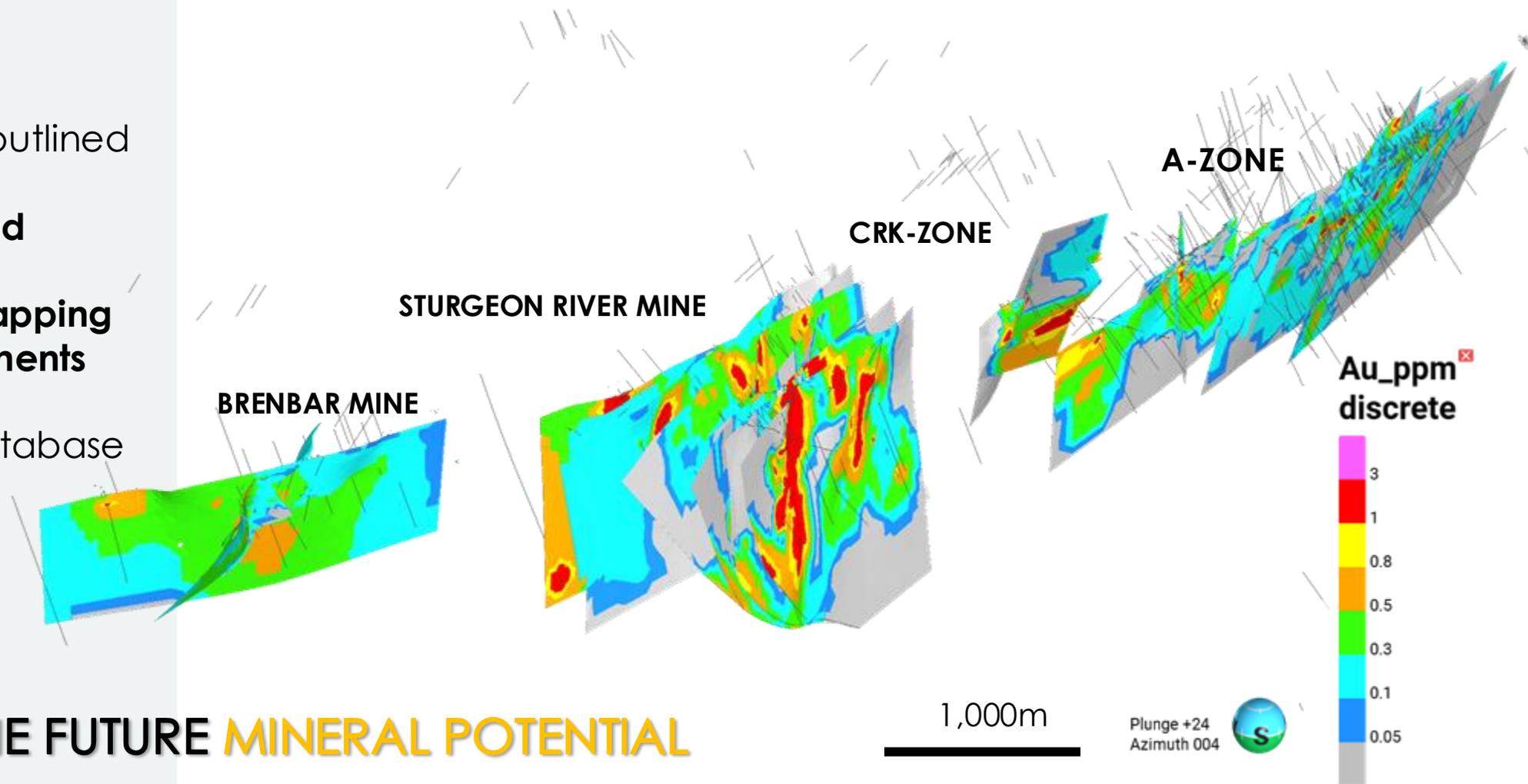
**LARGE SCALE PROPERTY OPPORTUNITIES TO UNLOCK NEW DISCOVERY ZONE
WITH SIGNIFICANT STRIKE/DOWN PLUNGE EXTENT POTENTIAL**

FERTILE GOLD ENVIRONMENT

22 mineralized structures have been defined in 3D models using historical and modern drillholes.

The 3D structures are outlined through:

- **Surface stripping and trenching**
- **Detailed surface mapping**
- **Structural measurements**
- **Assay data** from an extensive drilling database



UNLOCKING THE FUTURE **MINERAL POTENTIAL**

2024 DRILLING SUMMARY

2024 Program

7,934 metres of drilling (16 holes) targeting the Sturgeon River Mine (SRM) and areas to the northwest of mine.

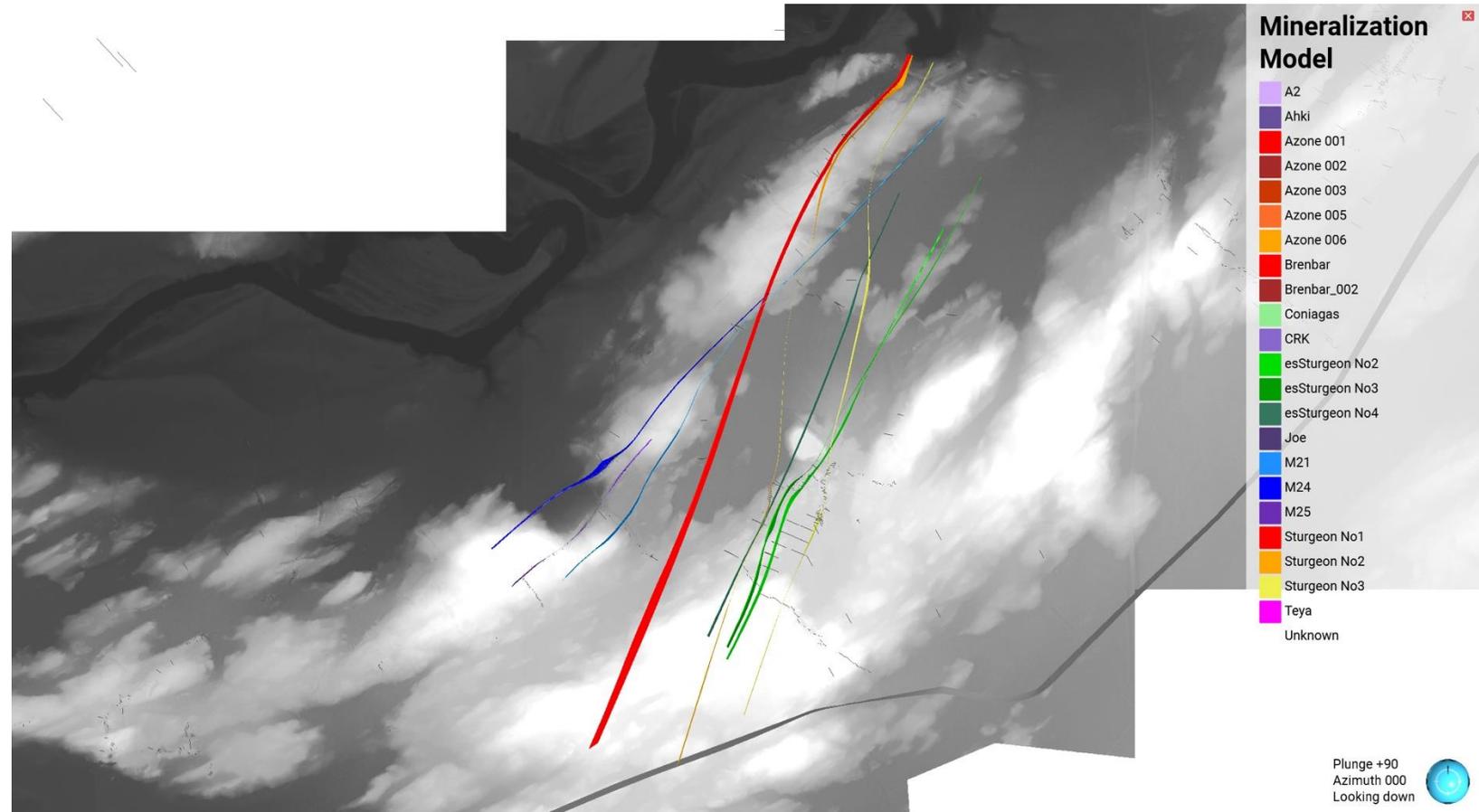
The objective of planned drill holes is to **expand the 3D knowledge of the known mineralized area** and delineate resources potential.

A large mineralized orogenic system **approximately 400 m wide and 1,800 m long and 900m deep, comprising 9 individual mineralized structures** is currently defined by modern drilling.

The system is still **open at both depth and along strike.**

SRM veins (7 Vein sets) intercepted in current drillholes. 900m depth

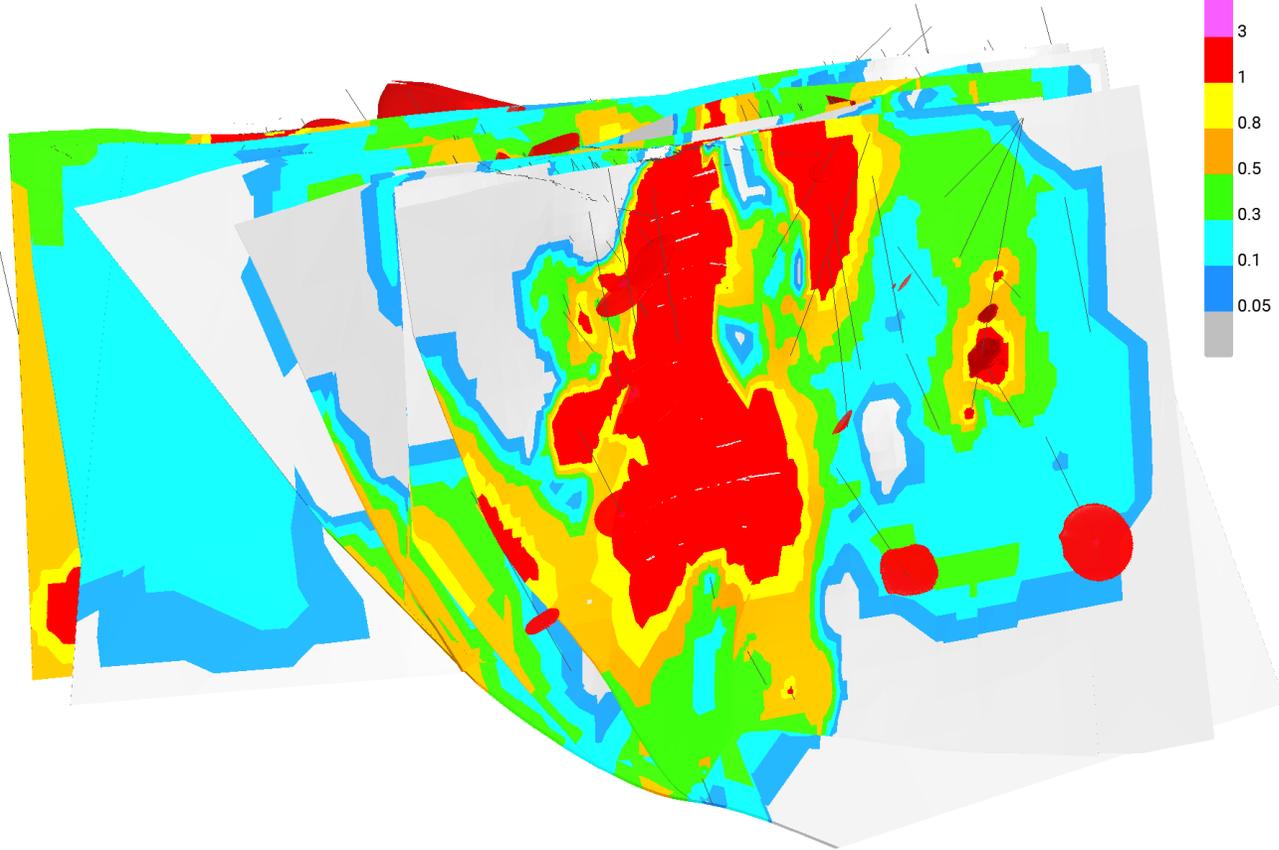
Potential exists for **substantial mineralization across multiple target areas**, coupled with opportunities to **expand existing structures** both **along strike and at depth**, particularly in the **Sturgeon River Mine and Brenbar areas.**



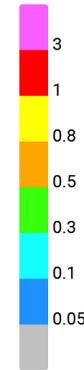
ADVANCING GOLD AND BASE METAL DISCOVERIES WITH PRECISION AND FOCUS

ADVANCING MODELLING OF STURGEON RIVER MINE

Long Section View of the Sturgeon River Mine Mineral System



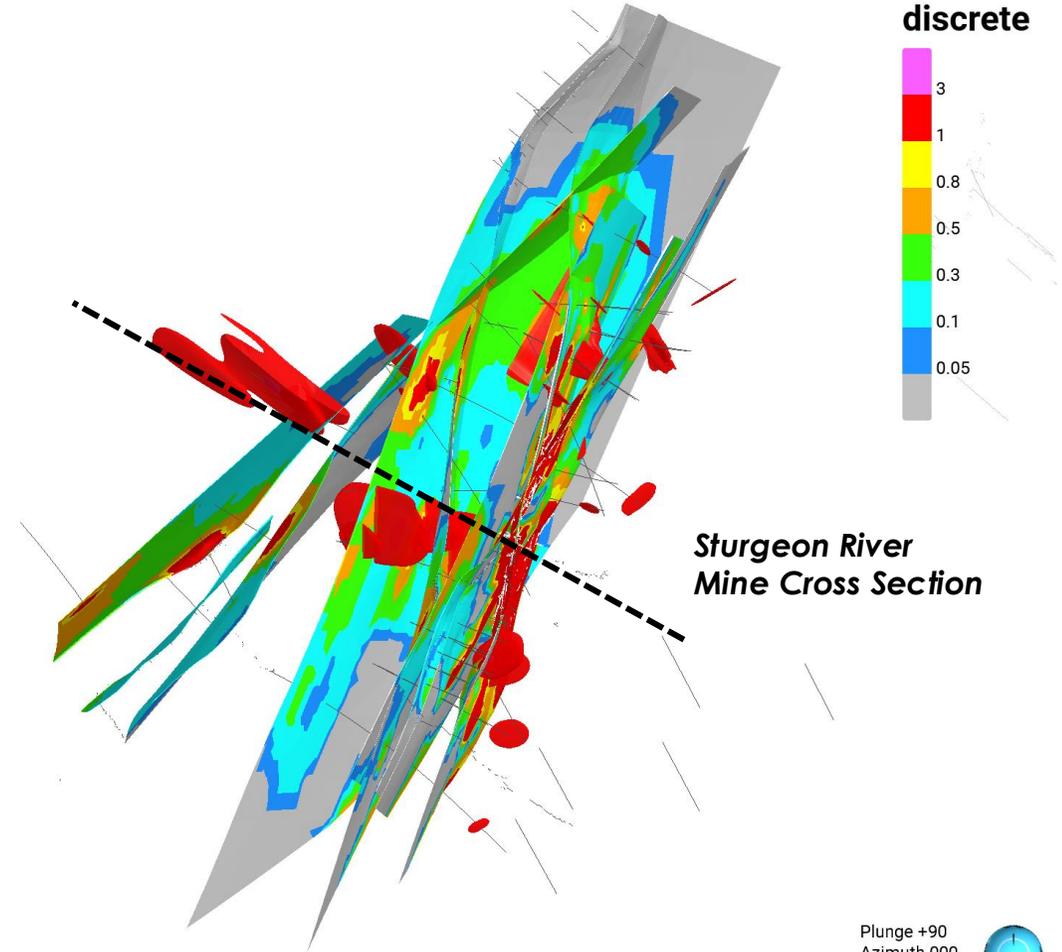
Au_ppm
discrete



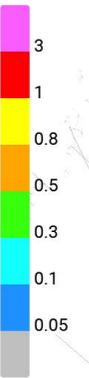
Plunge +10
Azimuth 343



Map View of the Sturgeon River Mine Mineral System



Au_ppm
discrete

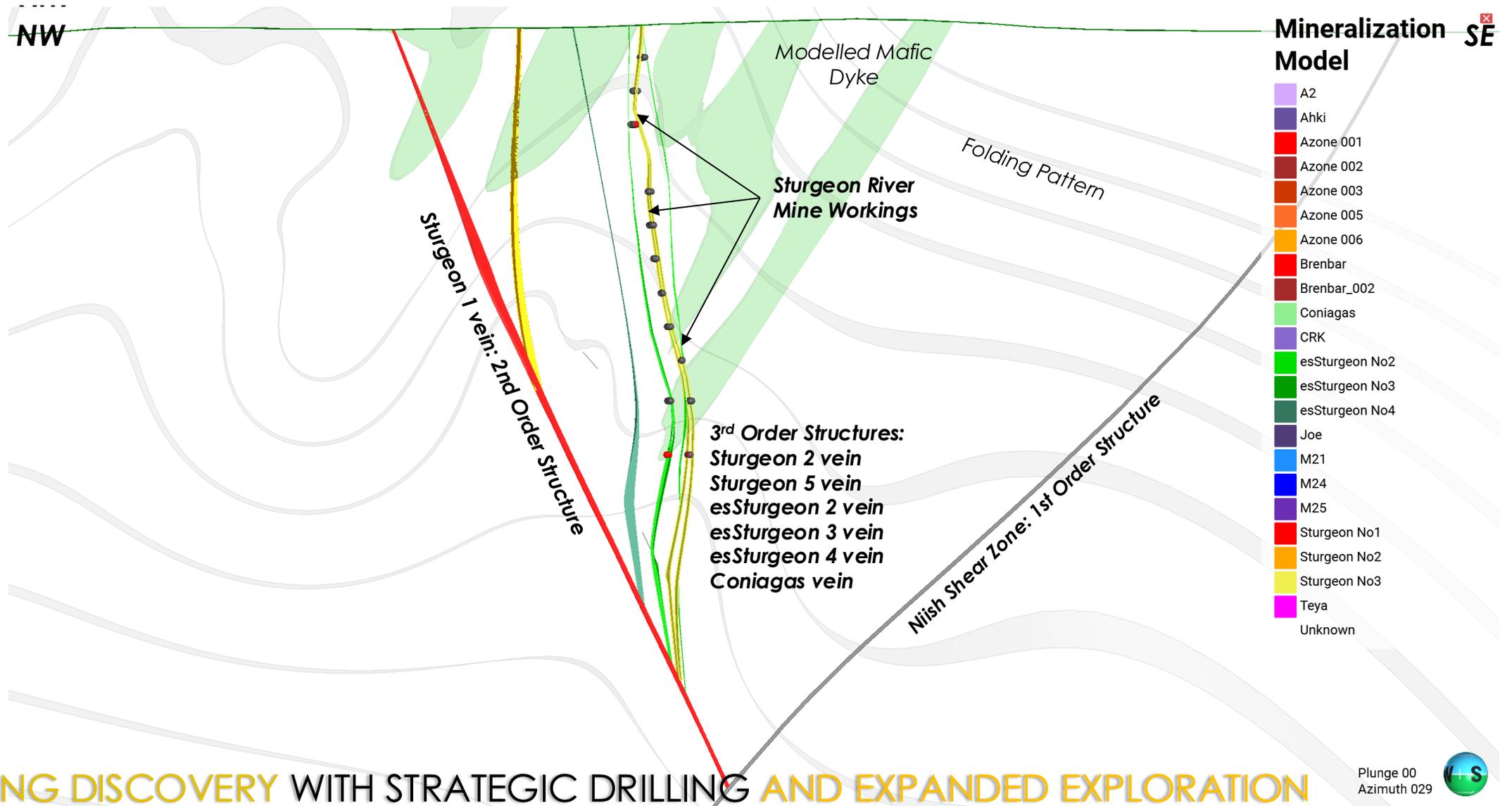


Sturgeon River
Mine Cross Section

Plunge +90
Azimuth 000
Looking down



TYPICAL CROSS SECTION OF STURGEON RIVER MINE



TARGETING DISCOVERY WITH STRATEGIC DRILLING AND EXPANDED EXPLORATION

2023 AND 2024 DRILL RESULTS

7,934 metres of drilling (17 holes) - Sturgeon River Mine Area

2023 Drilling Results Targeting Extension of Sturgeon River Mine Northeast and Southeast

- **Northeast Extension:** 3.5 m at 29.45 g/t Au, including 0.55 m at 186.0 g/t Au (**LME23-032**).
- **Southeast Extension:** 7.95 m at 3.61 g/t Au, including 0.5 m at 36.60 g/t Au (**LME23-040**).

Spring 2024 Drilling Campaign Testing High-Priority Zones in Sturgeon River Mine Area

- **LME24-046:** 10.25 m at 0.49 g/t Au, including 4.10 m at 0.98 g/t Au.
- **LME24-047:** 1.30 m at 20.19 g/t Au, including 0.50 m at 52.30 g/t Au
- **LME24-047:** 0.50 m at 25.90 g/t Au
- **LME24-047:** 0.55 m at 8.88 g/t Au
- **LME24-047:** 2.00 m at 2.73 g/t Au

Fall 2024 Drilling Campaign Testing High-Priority Zones on the 85M, M21, M24, M25

- **LME24-052:** 5.25 m at 7.29 g/t Au, including 0.50 m at 68.50 g/t Au.
- **LME24-050:** 1.95 m at 2.37 g/t Au, including 0.95 m at 4.50 g/t Au.

These drill programs reinforced:

- The continuity of mineralization within the Sturgeon River Mine corridor
- Provided valuable data for refining the 3D geological model,
- Demonstrating significant progress in resource expansion and supporting future development plans.



LME23-032

UNVEILING THE POTENTIAL OF MINERAL SYSTEMS ON A MASSIVE SCALE

MAXIMIZING MINERAL POTENTIAL – 2025 STRATEGY

Geophysical Surveys (Brenbar & Sturgeon River Mine):

- Utilize **Titan DCIP & Magnetotellurics** to detect geological structures, map lithology, and delineate mineralization through resistivity and chargeability contrasts.

Brenbar Exploration Objectives:

- Target **structural intersections** of shear zones and fractures.
- Focus drilling on **high-priority veins** (Nos. 2, 7, 14) aligned with geophysical anomalies (T7, T8, T10, T12).
- Explore **alteration and brecciation zones** linked to high-grade mineralization.

Sturgeon River Mine & J-Veins:

- Target **high-grade intercepts** (e.g., 186 g/t Au over 0.55m).
- Conduct **in-fill and deeper drilling** using 3D modeling and geophysical data.

Prospecting Initiatives:

- Identify **new zones west** of Sturgeon River Mine.
- Refine targets through **mapping and field studies**.

2025 Exploration Budget:

- **C\$4.0M allocated** for **7,000m of drilling**, geophysical surveys, prospecting, and mapping.



TARGETING DISCOVERY WITH STRATEGIC DRILLING AND EXPANDED EXPLORATION

STRATEGIC VISION: ADVANCING OUR CORPORATE GOALS



- **Position LAURION as a mid-staged de-risked exploration leader**, advancing the Ishkōday project towards resource expansion and value creation.
- **Pursuing LAURION's strategic opportunities** for the disposition of Ishkōday, aimed at unlocking value through potential partnerships while advancing exploration efforts

ADVANCING ISHKŌDAY: LEADING MINERAL EXPANSION AND UNLOCKING STRATEGIC VALUE

TSX.V:LME | OTC PINK:LMEFF

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LAURION.CA

**INNOVATIVE PARTNERSHIPS, STRONG GEOLOGY
SHAPING THE FUTURE FOR MINING**

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