

# **DISTRICT- SCALE DISCOVERY POTENTIAL**

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CORPORATE PRESENTATION | NOVEMBER 2025

TSX-V: KLDC | US-OTC: KLKLF



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This presentation contains certain forward-looking statements within the meaning of Canadian securities legislation (the “Forward-looking Statements”). The Forward-looking Statements relate to future events or Kirkland Lake Discoveries Corp. (“Kirkland Lake Discoveries” or “KLDC”), future performance, business prospects or opportunities. Any statements that express or involve discussions with respect to predictions, expectations, beliefs, plans, projections, objectives, assumptions or future events or performance (often, but not always, using words or phrases such as “seek”, “anticipate”, “plan”, “continue”, “estimate”, “expect”, “forecast”, “may”, “will”, “project”, “predict”, “potential”, “targeting”, “intend”, “could”, “might”, “should”, “believe”, “outlook” and similar expressions) are not statements of historical fact and may be Forward-looking Statements.

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For more information on Kirkland Lake Discoveries, readers should refer to KLDC’s website at [www.kirklandlakediscoveries.com](http://www.kirklandlakediscoveries.com).

## QUALIFIED PERSON

Mike Kilbourne, P.Geo., senior geologist and independent contractor, who is a Qualified Person as defined in National Instrument 43-101, Standards of Disclosure for Mineral Projects, has reviewed and approved the technical content of this presentation on behalf of the Company.

## INVESTMENT THESIS

# KIRKLAND LAKE OPPORTUNITY

### LOCATION

Situated in the heart of the Kirkland Lake gold camp, a Tier-1 mining jurisdiction in Ontario responsible for over **47 Moz** of historical production. The property is located adjacent to Agnico Eagle's producing Macassa Mine.



MAG SILVER



eldorado gold



AGNICO EAGLE

*From Osisko's \$550M Queenston buyout (2012) to Agnico's \$3.9B Osisko deal (2014) to the **\$24B** Kirkland-Agnico merger (2021), Kirkland Lake has been the epicenter of Tier-1 acquisitions.*

### ROCKS

Targeting high-grade, intrusion-related gold and polymetallic VMS systems hosted in the Blake River Group. Historical drilling at Winnie Lake returned **2.6% Cu, 2.8% Zn, 17.1 g/t Ag, and 1.03 g/t Au** over a **22.5 m** interval.



### SCALE

The largest consolidated land package in the camp's history, covering 40,000 hectares. This provides district-scale potential along the entire 17 km contact of the prospective Winnie Intrusion — a feature never before drill-tested with this geological model.

**40,000 HECTARES**

*Positioned to advance a strong pipeline of drill-ready targets at KL East and KL West, supported by multiple anomalous soil trends, historical mineral showings, and structurally controlled intersections.*

## THE INGREDIENTS FOR A MAJOR DISCOVERY

# DISCOVERY POTENTIAL



The Abitibi is the world's largest gold-rich greenstone belt with over **300 Moz of gold\*** discovered to date.

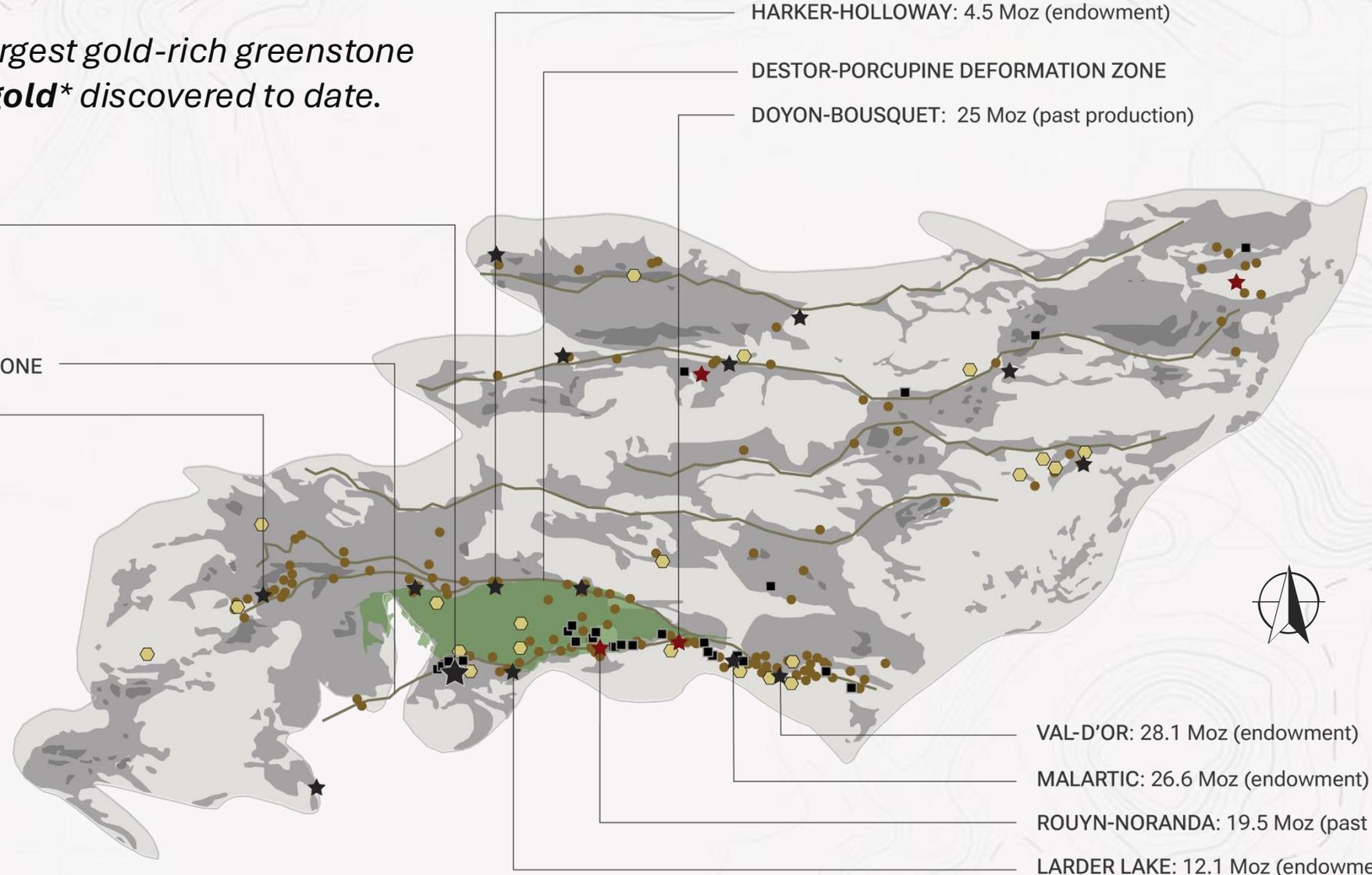
**KIRKLAND LAKE**  
30.7 Moz (endowment)

LARDER LAKE-CADILLAC DEFORMATION ZONE

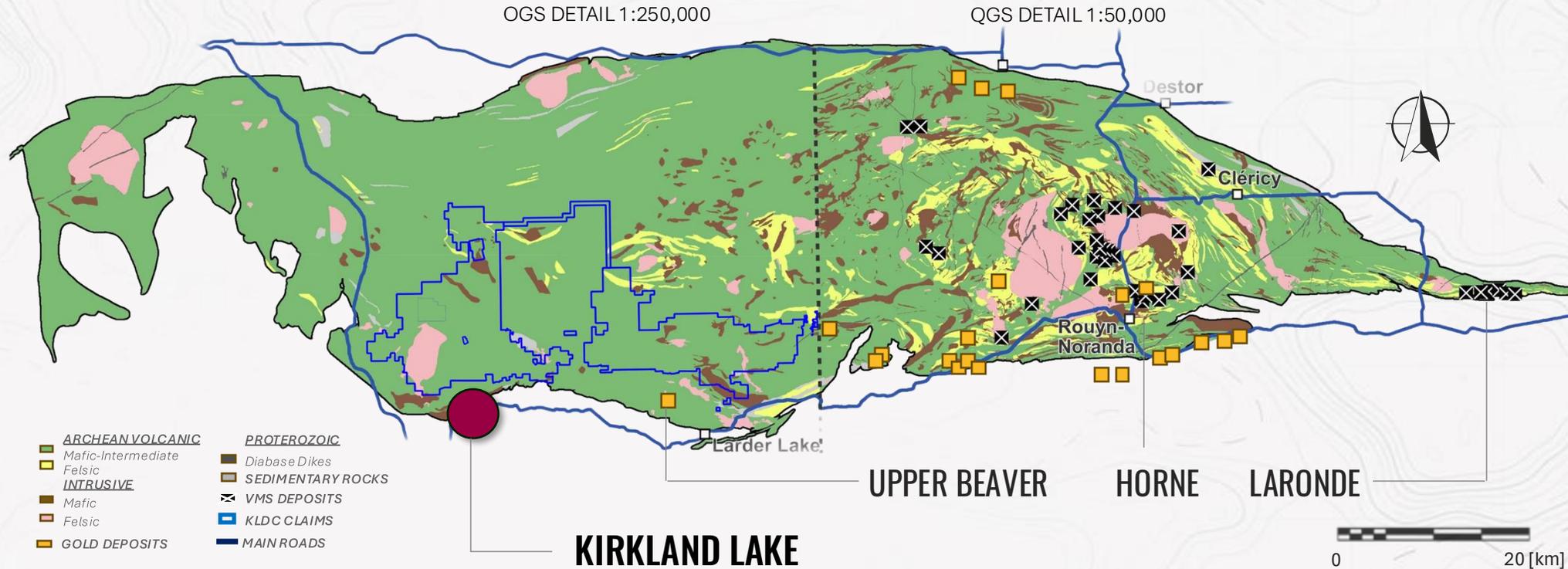
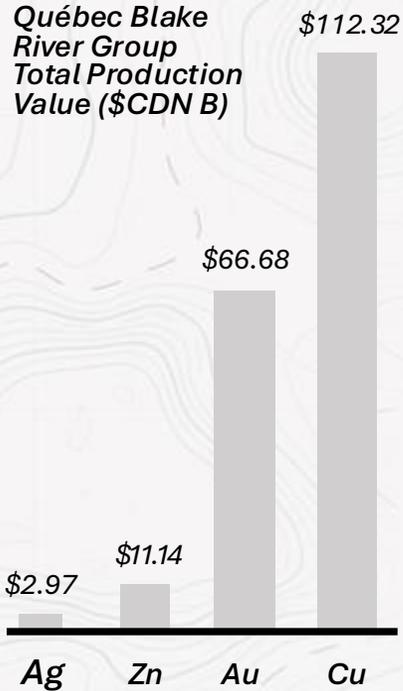
TIMMINS: 76.8 Moz (endowment)

- ★ Gold camps, past production
- ★ Gold camps, endowment
- Active precious metals exploration projects
- Past Mines
- Gold Deposits
- Deformation Zones
- Blake River Group

Source: Natural Resources Canada, Midland Exploration, Maple Gold, Hecla Mining Co., Kirkland Lake Gold, CBay Minerals, Pasofino Gold, Detour Lake Technical Report, Visual Capitalist . \*The total gold content of the belt, including past production and current reserves/resources.



# BLAKE RIVER GROUP – ONTARIO’S SLEEPING GIANT?



PROPERTY	Type	Au (g/t)	Tonnes	Cu/Zn/Ag	Hectares	Host Rock
HORNE	VMS	6.1	53.7 Mt	2.2% Cu	~ 200	Blake River + Pluton
LARONDE	Intrusion-Influenced VMS	5.2	18.9 Mt	0.23 % Cu 0.84 % Zn 16.65 g/t Ag	~400	Blake River + Pluton
UPPER BEAVER	Intrusion-Related Copper Gold	3.71	23.2 Mt	0.24% Cu	~600	Blake River + Pluton
<b>KLDC</b>	<b>UNTESTED – MODERN TOOLS, FRESH EYES</b>				40,000	Blake River + Pluton

Located in one of the world's most well-known mining belts, our property covers a significant area of geologically promising ground.

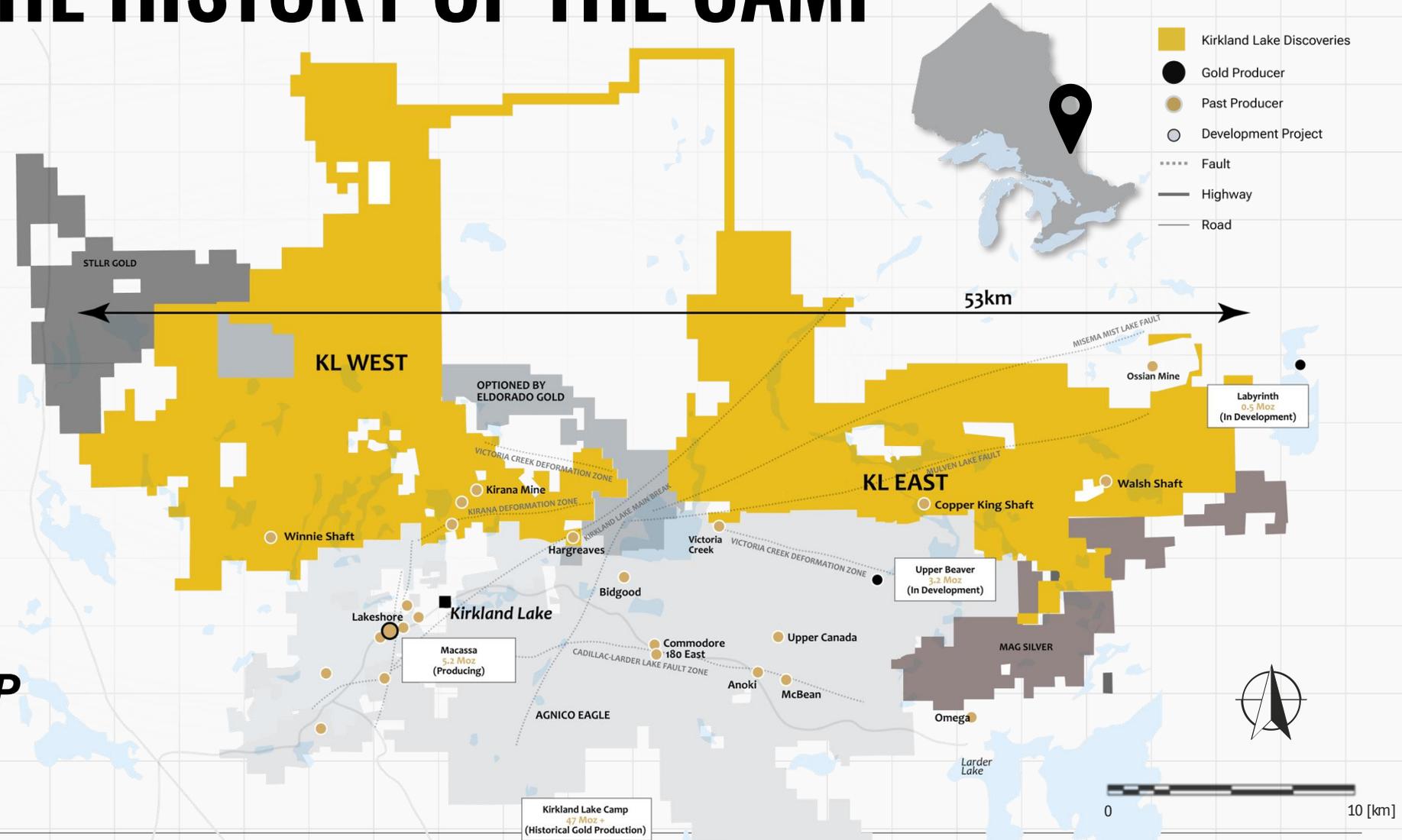
The scale of our land package allows us to apply modern exploration techniques across the entire property, targeting areas that have not been fully explored in the past.

# THE LARGEST CONSOLIDATED LAND PACKAGE IN THE HISTORY OF THE CAMP

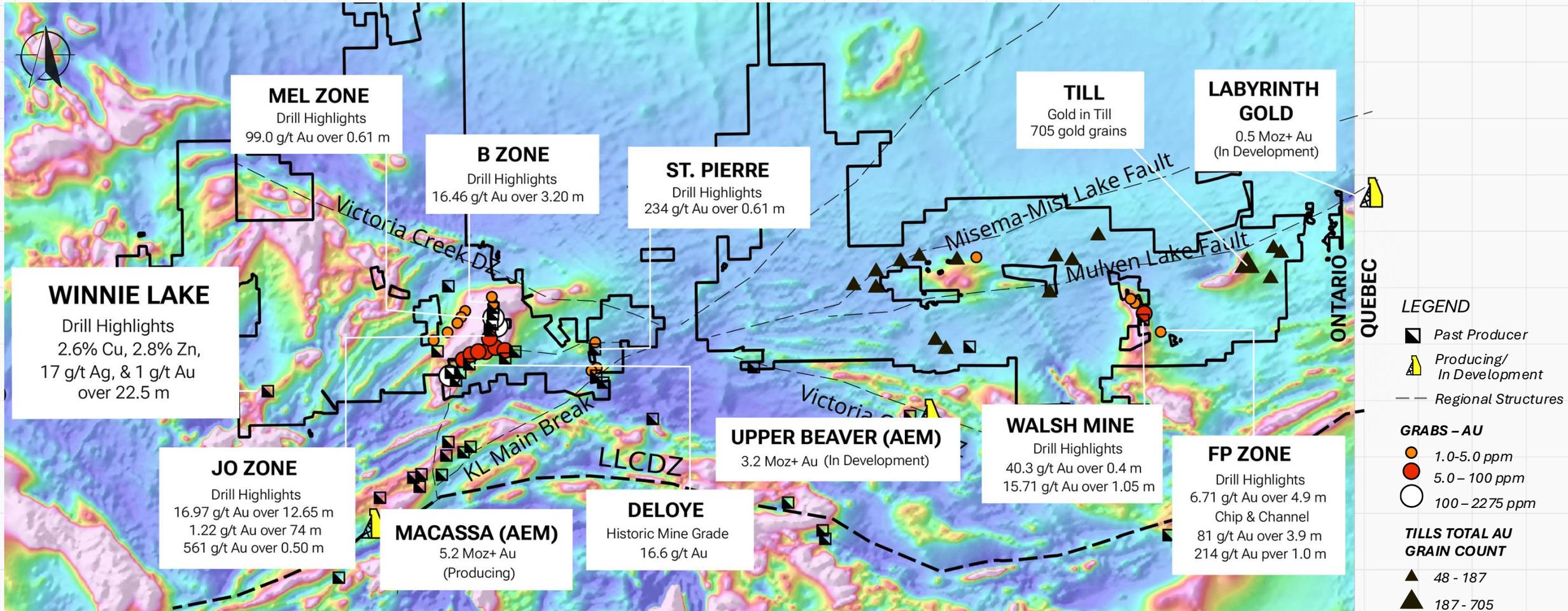


- 40,000 ha claim package in an established brownfields camp.
- Intrusive, shear/lode gold, and VMS signatures.
- Property-scale soil grid to vector exploration.
- Ontario is a Tier-1 mining friendly jurisdiction.

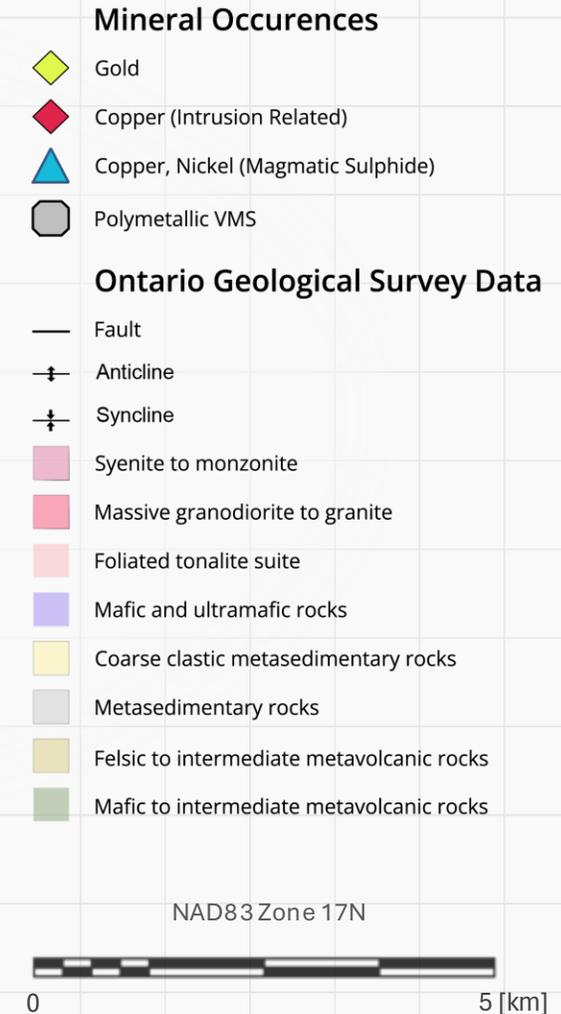
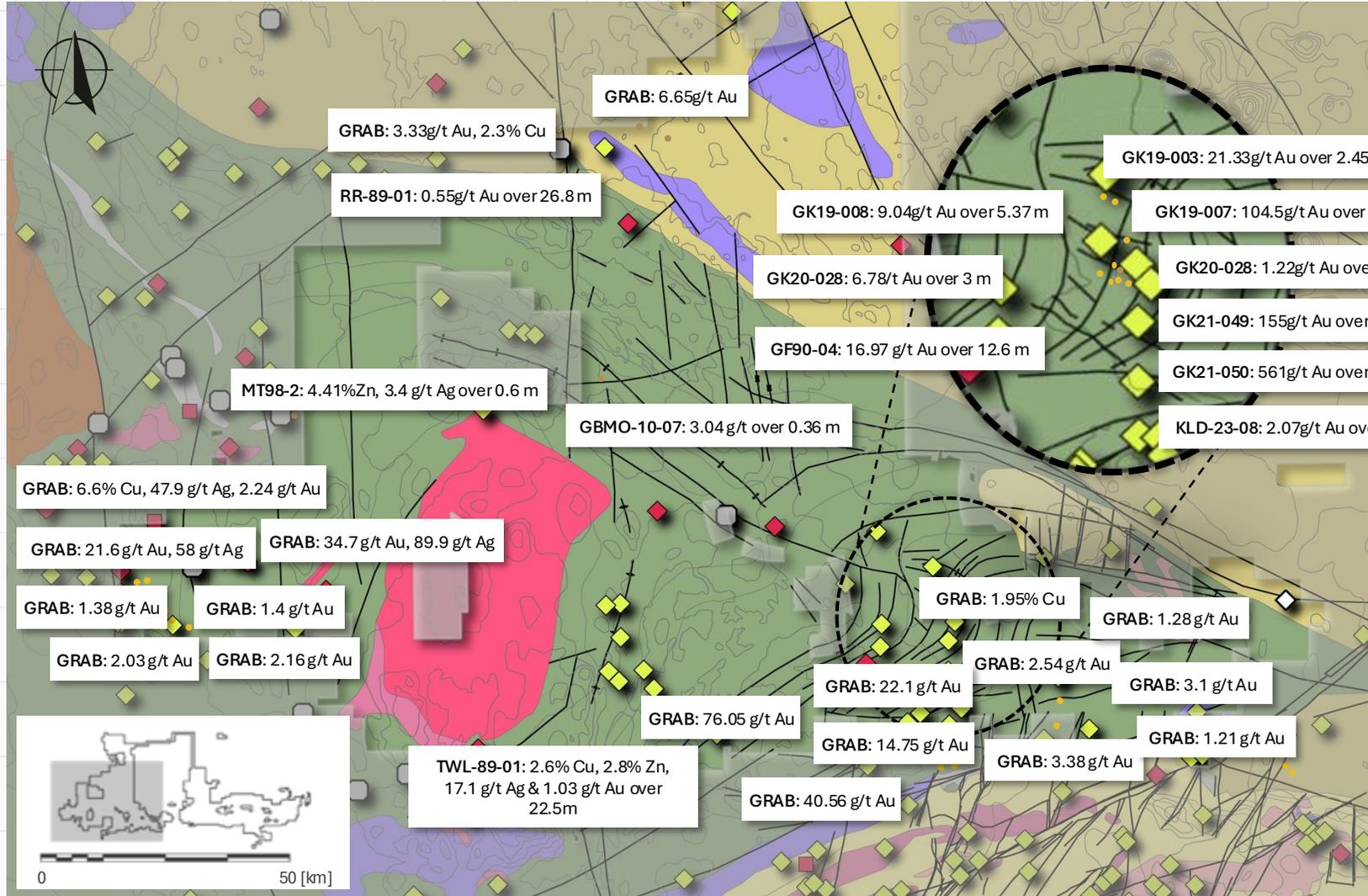
(Historical Gold Production)  
**KIRKLAND LAKE CAMP**  
**47 MOZ +**



# EXPLORING A DISTRICT RICH WITH MINERALIZATION



# KL WEST / HIGHLIGHTS



# MINERALIZATION PROSPECTIVITY ON KL WEST 2024 SOILS



## MINERAL PROSPECTIVITY QUANTILE

### SHEAR/LODE GOLD

Indicative of structurally controlled gold mineralization trends.



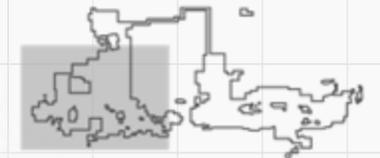
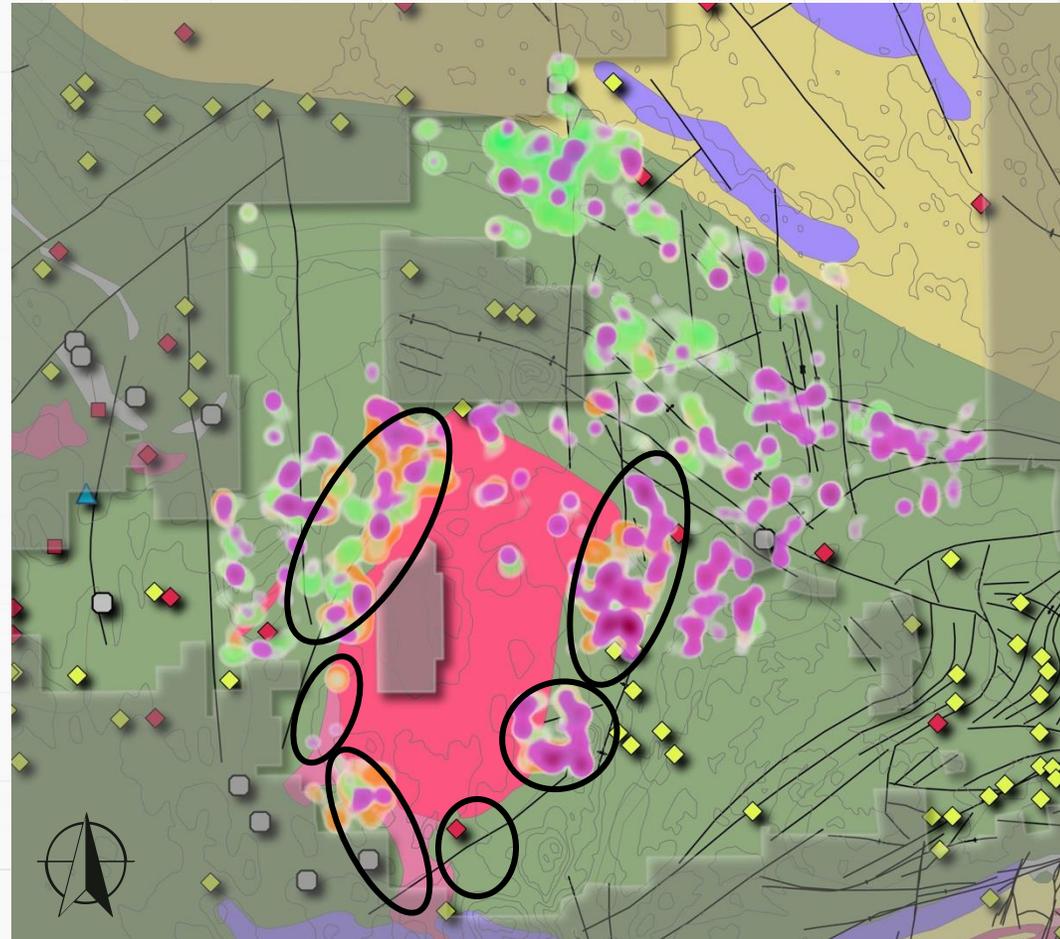
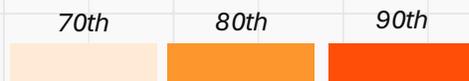
### VMS POTENTIAL

Areas with significant signatures for volcano-genic massive sulfide mineralization.



### INTRUSION-RELATED MINERALIZATION

Strongly associated with the massive granitoid intrusion, which appears to play a critical role in localizing mineralization trends.



0 50 [km]

### Mineral Occurrences

- Gold
- Copper (Intrusion Related)
- Copper, Nickel (Magmatic Sulphide)
- Polymetallic VMS

### Ontario Geological Survey Data

- Fault
- Anticline
- Syncline
- Syenite to monzonite
- Massive granodiorite to granite
- Foliated tonalite suite
- Mafic and ultramafic rocks
- Coarse clastic metasedimentary rocks
- Metasedimentary rocks
- Felsic to intermediate metavolcanic rocks
- Mafic to intermediate metavolcanic rocks

NAD83 Zone 17N

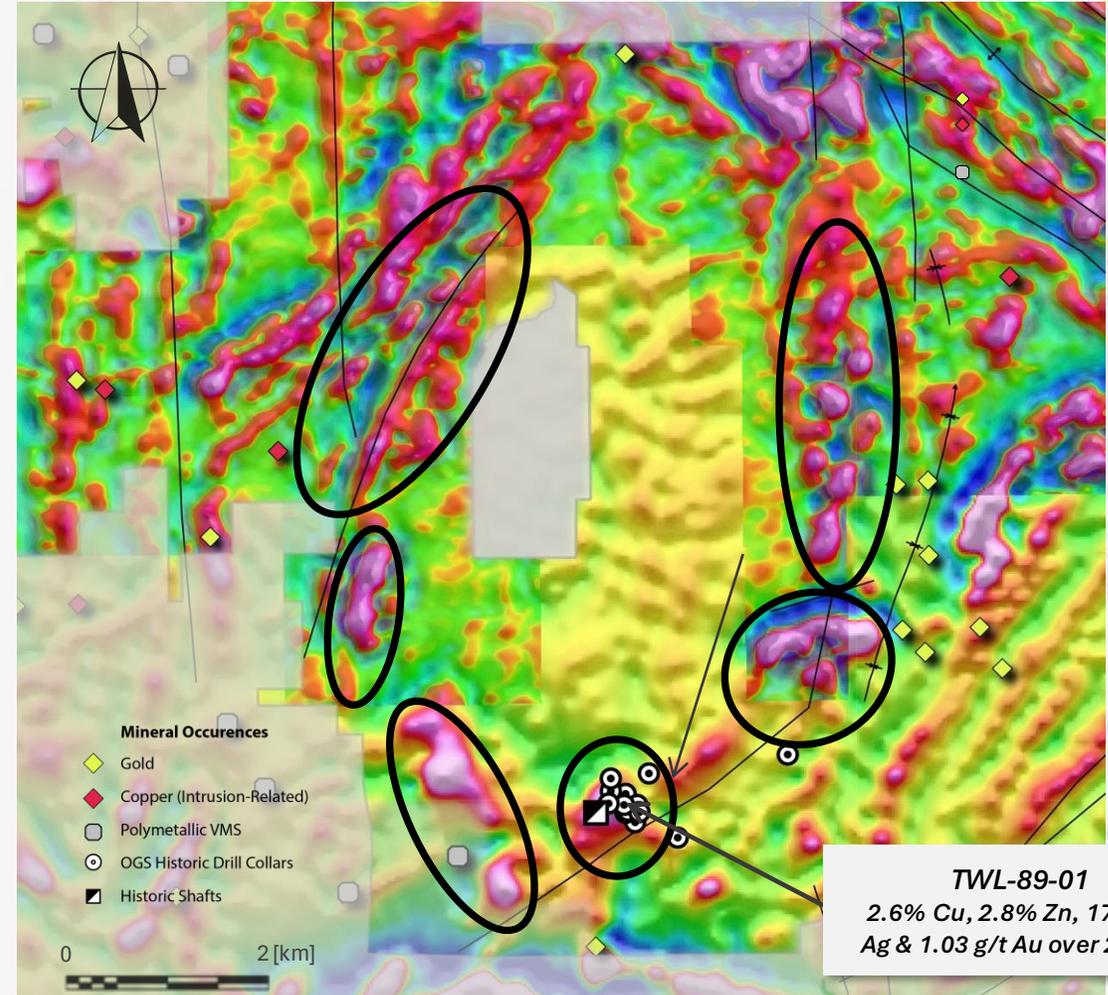
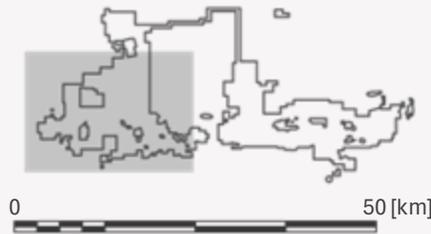
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# GEOPHYSICAL ANOMALIES

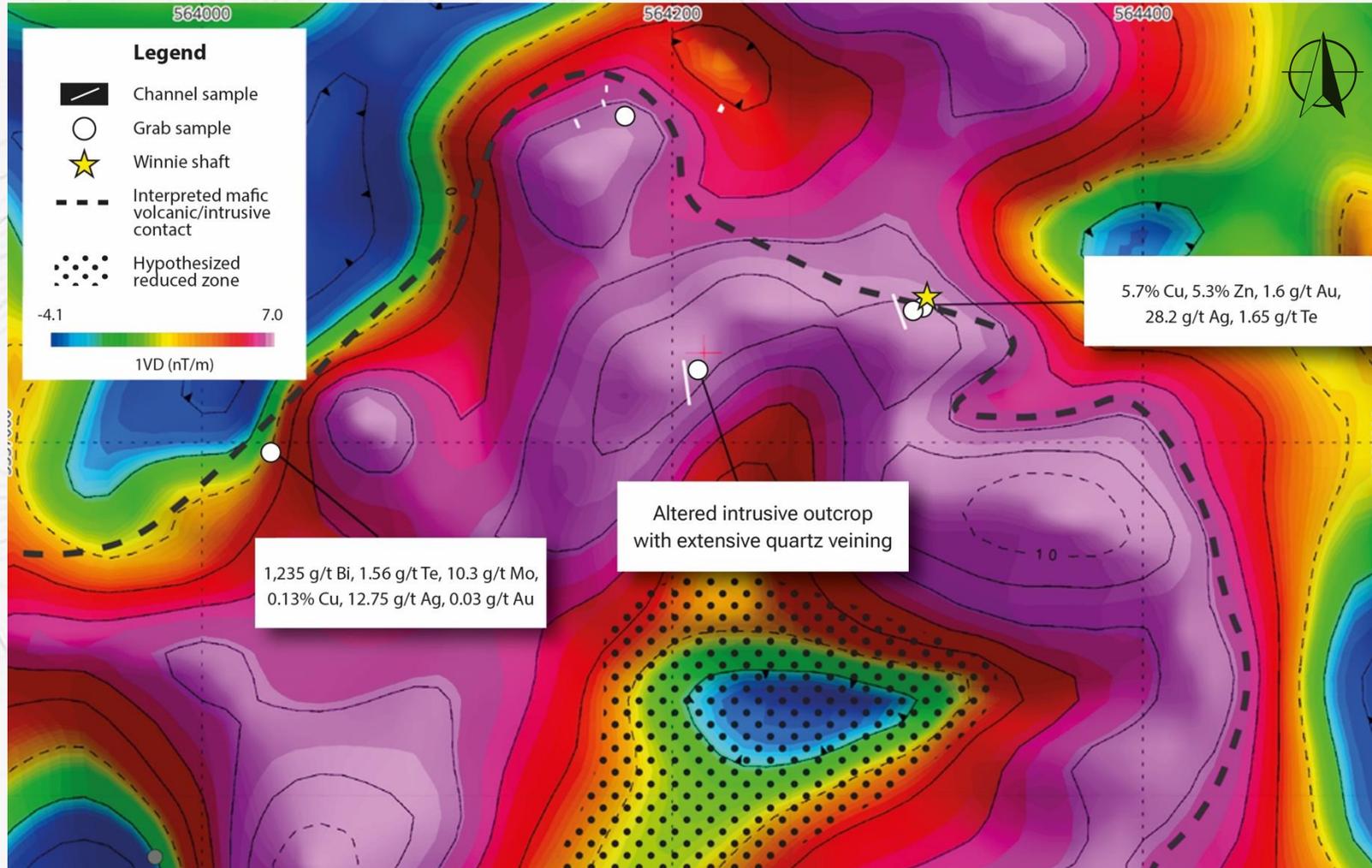


*Winnie Lake Showing was explored as a VMS, with historical drilling in 1989 encountering grades of 2.6% copper, 2.8% zinc, 17.1 g/t Ag and 1.03 g/t Au over 22.5 m.*

- Soil sampling from 2024 indicates significant mineralization at the contact zone of the granite intrusion.
- The magnetic highs around the granite intrusion indicate possible mineralization similar to Winnie, making these zones high-priority exploration and drilling targets.
- Magnetic highs correlate with mineralization trends from 2024 geochemical survey.



# 2025 FIELD UPDATE #1



## HIGHLIGHTS

- **HIGH GRADE POLYMETALLIC**  
2025 grabs confirm high grade Cu, Zn with Au and Ag.
- **CHANNEL SAMPLING**  
75 channel samples were collected including an altered intrusive with extensive parallel quartz veining.
- **ELEVATED Bi, Te, Mo**  
Indicate a fertile magmatic-hydrothermal system, characteristic of intrusion-related gold systems with bulk-tonnage potential.

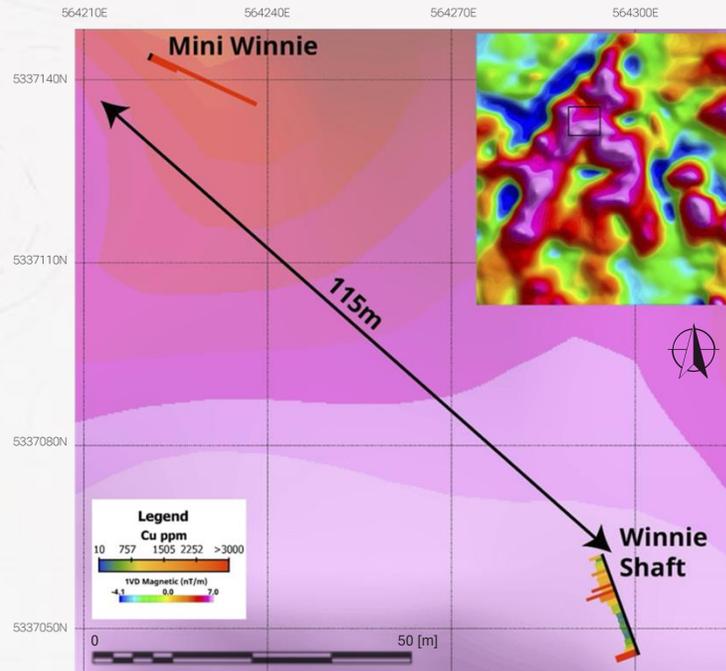


# 2025 FIELD UPDATE #2



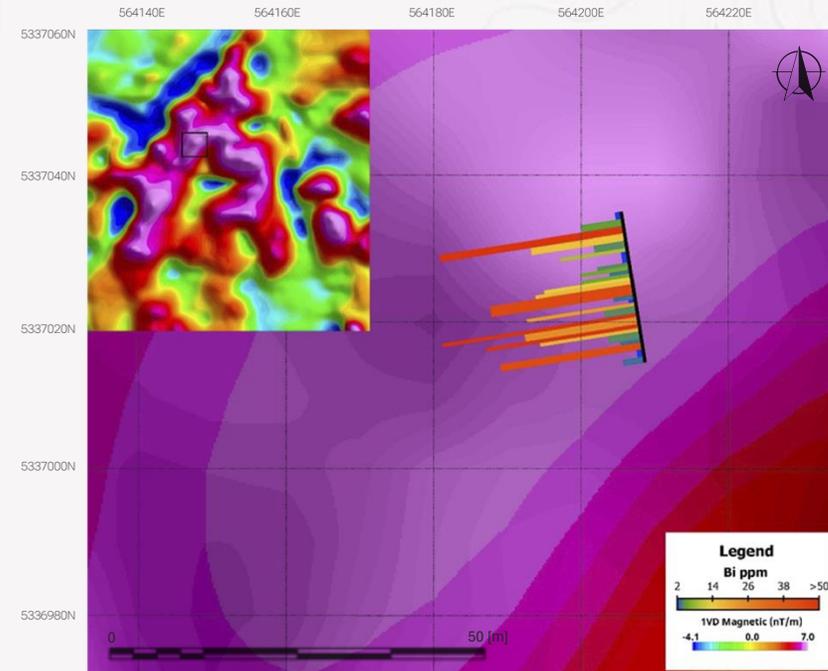
## 01

Polymetallic semi-massive to massive sulphides at surface associated with massive magnetite, providing a strong magnetic signal to vector towards additional mineralization.

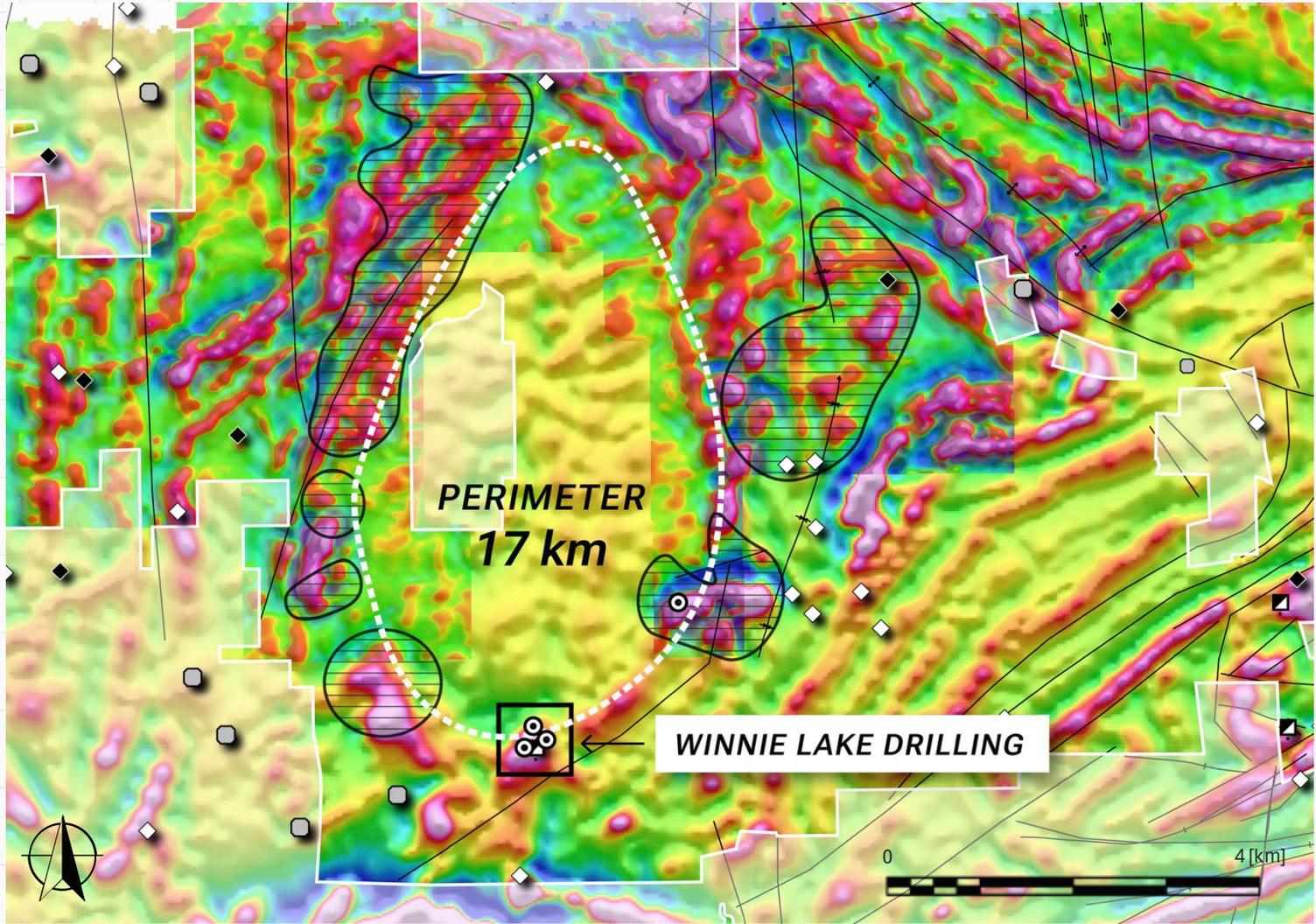


## 02

Elevated bismuth in intrusive-related systems signals a pervasive, continuous mineralizing event. In Abitibi-style intrusive-related systems elevated Bi-Te-Au is widely documented as an effective pathfinder toward higher-grade gold.



# DISTRICT POTENTIAL

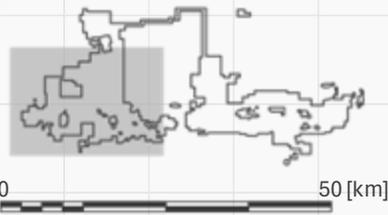


## HIGHLIGHTS

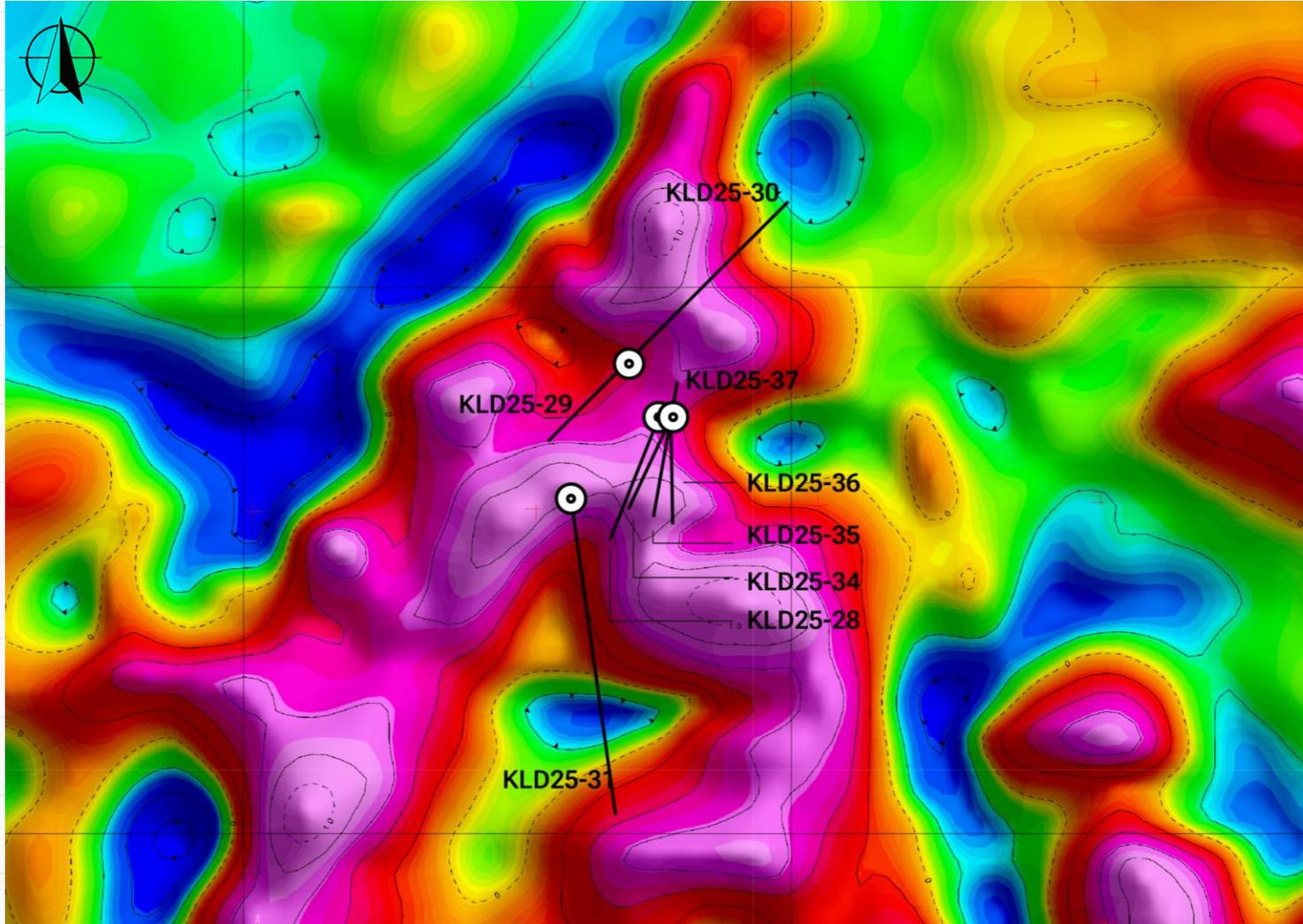
- **FIRST DRILL HOLES**  
KLDC is the first company to drill-test the Winnie Intrusion with an intrusion-related mineralization model.
- **UNLOCKING DISTRICT POTENTIAL**  
The contact of the Winnie Intrusion spans 17 km and KLDC controls all mining claims at that contact, providing discovery potential at a district scale.

### LEGEND

- ◇ Mineral Occurrences Gold Showing
- ◆ Copper (Intrusion-Related)
- Polymetallic VMS
- ⊙ Drill Collars
- Anomalous Soils
- ⊖ Approx. outline of Winnie Intrusion

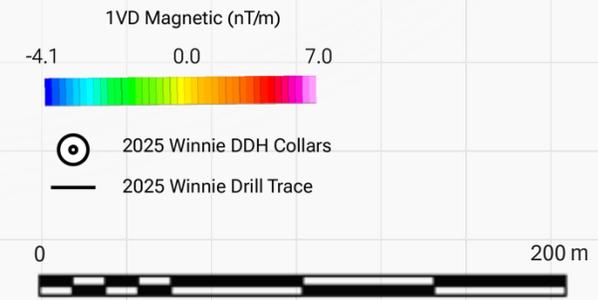


# 2025 DRILLING UPDATE

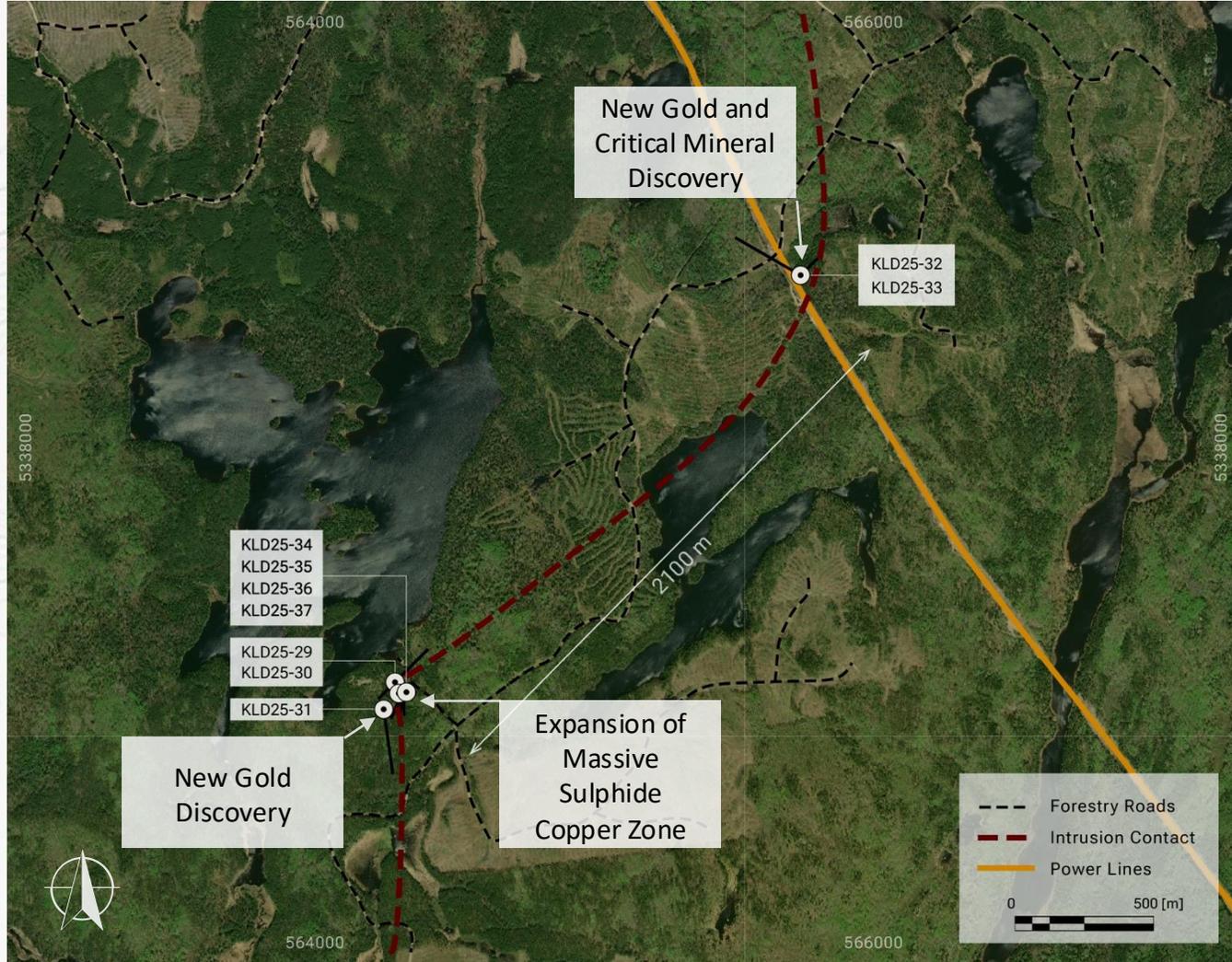


## HIGHLIGHTS

- **SEMI-MASSIVE TO MASSIVE SULPHIDES**  
KLD 25-28, KLD25-34 to 36 intercepted multiple zones of semi-massive to massive sulphides.
- **INTRUSION-RELATED**  
Massive sulphides were associated with wide halos of intense silicification and disseminated sulphides.
- **DEEP SYSTEM?**  
KLD25-37 intersected pyrite and chalcopyrite mineralization from 97.5m downhole.



# 2025 DRILLING UPDATE



## HIGHLIGHTS

### High-Grade Copper Sulphides:

- KLD25-35 31.38 m of **1.22% CuEq** from 14.62m
- KLD25-34 36.5 m of **1.03% CuEq** from 13.5m
- KLD25-28 27.35 m of **1.27% CuEq** from 13.9m
- KLD25-36 32.8 m of **0.93% CuEq** from 14.2m

The recent drilling has validated a robust, intrusive-related deposit model, showing it to be a much larger intrusive-driven system than historically understood.

The geological evidence confirms multiple mineralization styles across different locations. This includes newly discovered syenite-hosted gold systems (mineralization found within the intrusion) as well as large district-scale opportunities encompassing the 17-kilometer Winnie Pluton contact (mineralization at the contact with the country rocks).

# DRILLING VISUALS



*See August 26 Press Release for detailed description of drilling lithologies and mineralization.*



*KLD25-28*



*KLD25-28*



*KLD25-28*



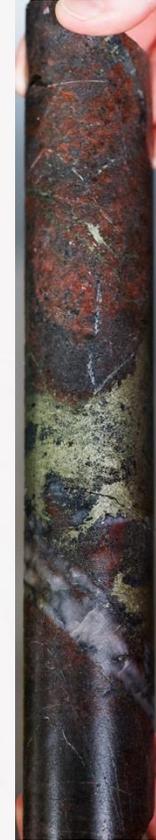
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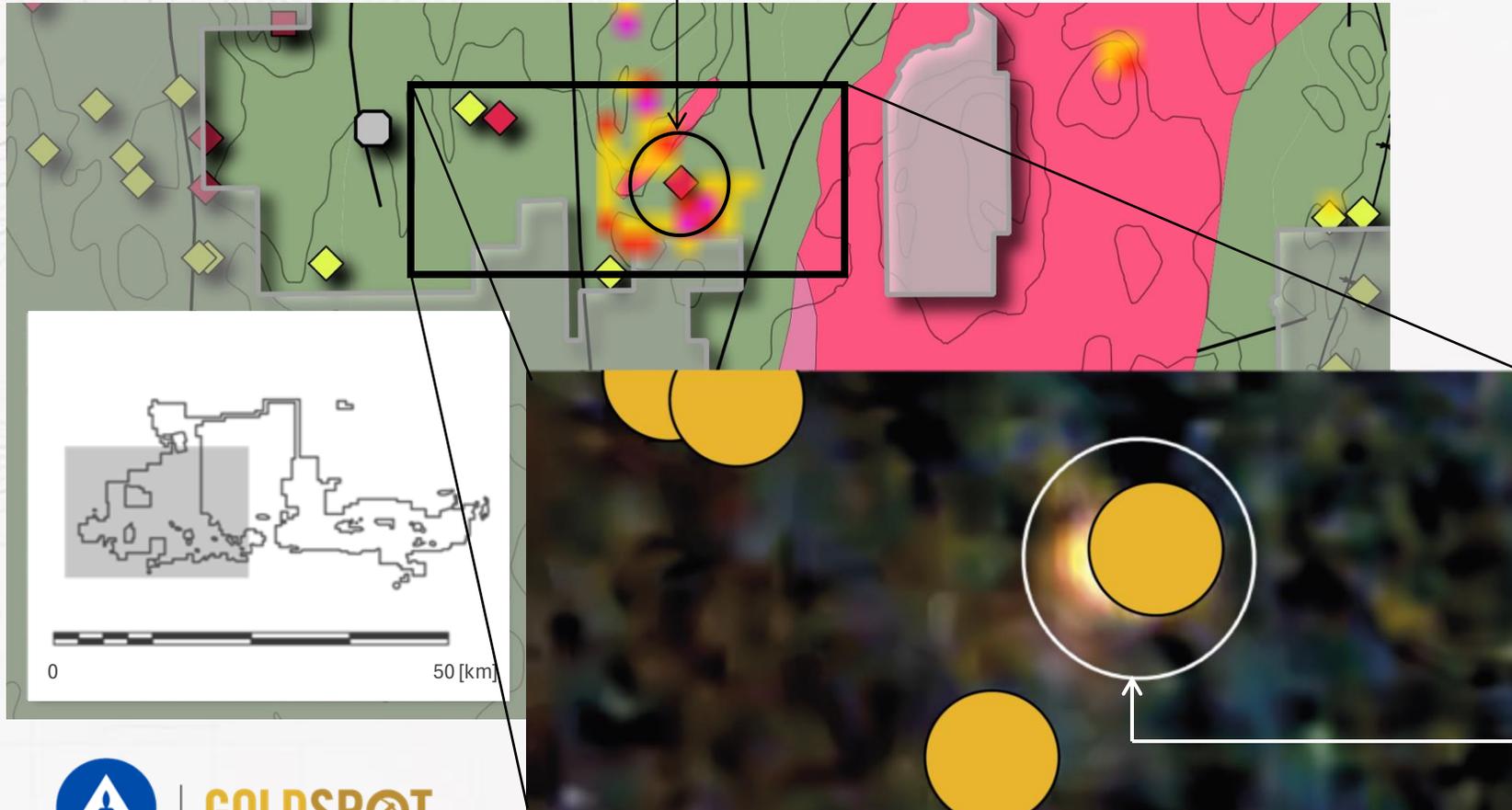


*KLD25-37*

# ANOMALY DETECTION USING AI & HUMAN EXPERTS



## GEOCHEMICAL ANOMALY



## HIGHLIGHTS

- Analysis of existing electromagnetic (EM) data shows a correlation of chargeability highs with elevated VMS prospectivity from soil analysis.
- ALS GOLDSPOt conducted anomaly pattern detection and matching from known mineralization on over 7,000-line km of EM data. Combined with further analysis of geochemical data, magnetics and bedrock mapping provided prospective targets for ongoing exploration and drilling

**AI HOT SPOT FOR  
PROSPECTIVITY/EM ANOMALY**





# EXPLORATION SUMMARY & OUTLOOK

## COMPLETED WORK

2025

- ✓ 1,700 m drilling at KL West.
- ✓ Acquisition of Winnie Lake Property – exploration and drilling summer 2025.
- ✓ Mapping, sampling, channeling and prospecting.
- ✓ Over 1000 assays completed, covering KLD25-28 to KLD25-37.
- ✓ Heli-MT survey to define intrusive contact at depth for targeted drilling.

## CATALYSTS

2025-2026

- Mapping, sampling and prospecting around Winnie Pluton at KL West ongoing.
- Follow-up drilling at KL West and regional drilling around Winnie Intrusion.

# KLDC TREASURE HUNT / A JOURNEY TO DISCOVERY

- **Behind-the-Scenes Access:** Follow our journey as we unearth hidden potential—capturing every step, from fieldwork to drilling, through dynamic updates.
- **Join the Hunt:** Weekly or bi-weekly videos will immerse you in the treasure hunt, revealing the highs, lows, and key decisions behind our discoveries.
- **Omniscient Storytelling:** Each update offers a complete narrative, breaking down why and how we make critical decisions along the way.
- **Engaging and Transparent:** Bite-sized content designed to inform, disclose, and entertain —experience the thrill of the hunt with KLDC as we chase our big discovery!



# EXPERIENCED BOARD OF DIRECTORS



**DENIS LAVIOLETTE**  
*NON-EXECUTIVE CHAIRMAN*

Mr. Laviolette has over 15 years of experience in mining and capital markets; worked as a production and exploration geologist in Northern Ontario (Timmins, Kirkland Lake and Red Lake), Norway and Ghana. Later worked as a mining analyst with Pinetree Capital. Founder, Director and Executive Chairman of EarthLabs Inc. (formerly GoldSpot Discoveries Corp.) (TSX.V: SPOT); Co-Founder, Director and President of New Found Gold Corp. (TSX.V: NFG); and serves as a Director for Xtra-Gold Resources Corp. (TSE: XTG) and Radio Fuels Energy Corp. (CNSX: CAKE).



**GARY NASSIF**  
*DIRECTOR*

Mr. Nassif is a professional geologist with 30+ years' experience in gold, base-metal and diamond exploration in Canada, United States and sub-Saharan Africa. He is the former Senior Vice President of Jerritt Canyon Gold, previously privately owned by Sprott Mining Inc. and recently acquired by First Majestic Silver Corp. He is also President & CEO of Argentum Silver Corp., a TSX-V listed explorer, and a director of Inventus Mining. He was previously Manager of Exploration Services for Kerr Mines, Northern Gold Mining, and Trelawney Mining & Exploration prior to its sale to IAMGOLD for \$608 million in 2012.



**CHRISTINA MCCARTHY**  
*DIRECTOR*

Ms. McCarthy is a geologist with over 15 years of experience in the resource capital markets. Ms. McCarthy is the former President and CEO of Paycore Minerals Inc., recently acquired by i-80 Gold Corp for \$90 million. She previously held the position of Vice President of Corporate Development for New Oproeru Resources Inc., which was acquired by Anacortes Mining Corp. in 2021. Ms. McCarthy served as Director of Corporate Development for McEwen Mining from 2014 to 2019. She spent the past 15 years in various roles, including management and board roles, equity research at Euro Pacific, and Institutional Sales at Haywood Securities, as well as building an exempt market dealer focusing on resources.



**VINCENT DUBÉ-BOURGEOIS**  
*DIRECTOR*

Vincent Dubé-Bourgeois is Co-Founder and President of EarthLabs Inc. and a board member at Harfang Exploration Inc. Under his leadership, EarthLabs sold the ExplorTech Division, including GoldSpot Discoveries, to ALS Limited for \$30 million. In 2015, at the Integra Gold Rush Challenge, Mr. Dubé-Bourgeois combined his machine learning and geology expertise to lead his team successfully to a share of the \$1 million prize. Mr. Dubé-Bourgeois was previously with the Ontario Geological Survey and Noront Resources Ltd. He holds a BSc in Geology from the University of Ottawa and is recognized for innovative contributions to data science and geoscience, particularly in mineral exploration.





# THE DISCOVERY TEAM

*Innovation & Passion*

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## ***MANAGEMENT***

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+1 226 979 3515

**NATALIA SMARTSEVA / CFO**

## ***TECHNICAL TEAM***

**MIKE KILBOURNE**

Senior Project Geologist

**BILL DOERNER**

Geophysical Advisor

**DRAKE HYDEN**

Senior Project Geologist

**DANIÈLE SPETHMANN**

Technical Advisor Founder

# CAPITAL STRUCTURE



**153.6M**

Shares Outstanding

**\$45M**

Market cap @ \$.25

**13.5M**

Options

**30.6M**

Warrants

**\$13.5M**

Cash

High Net Worth & Retail

**57.2%**



**16.4%**

10%



9.9%

(1%)  
Management

5%

Crescat Capital  
(0.5%)

Eric Sprott

Rob McEwen

The logo features a stylized 'K' on the left, composed of a white upper section and a yellow lower section. To the right of the 'K', the words 'KIRKLAND', 'LAKE', and 'DISCOVERIES' are stacked vertically in a bold, white, sans-serif font.

**KIRKLAND  
LAKE  
DISCOVERIES**

[KIRKLANDLAKEDISCOVERIES.COM](http://KIRKLANDLAKEDISCOVERIES.COM)