



## **Heritage Mining Commences 2024 Exploration Season at Expanded Drayton-Black Lake**

**VANCOUVER, BC, May 22, 2024** – Heritage Mining Ltd. (CSE: HML FRA:Y66) (“**Heritage**” or the “**Company**”) is pleased to announce the commencement of the 2024 exploration program at its flagship property Drayton Black Lake (“**DBL**”). The Company believes the progress achieved to date represents important milestones for systematic exploration in one of the last underdeveloped greenstone belts in Northwestern Ontario.

### **Highlights**

- **DBL Target - Zone 3:**
  - 3D model for evaluation and confirmation drilling of the historical 1980 Non 43-101 Compliant Mineral Resource of 70,000 tonnes at 8.16g/t Au high-grade ore shoot, near surface (Figures 1-5)
  - Property expansion along Zone 3 gold-bearing Contact Zone 3 through to Zone 10 (Figure 6)
- **DBL Exploration Update:**
  - Soil Sampling (Spatiotemporal-Gas-Hydrocarbon (SGH)) & mapping commencement (Figures 7, 8), results pending.
  - Diamond drilling to commence late Q2 2024
- **Structural Interpretation and Geological Modeling:** Property wide structural interpretation (Figure 9) and 3D geological model (32km EW by 25km NW by 3km vertical extent).

*"We are excited to share the progress we are making at DBL, with emphasis on Zone 3 target area. A testament to the systematic exploration approach ahead of drilling. Zone 3, an area that has received no additional drilling since 1937, through 3D modelling is evidence to the potential of this project. The expansion along the gold-bearing Contact Zone 3 to Zone 10 opens up new opportunities for discovery. With boots on the ground and field activities in full swing, we are well-positioned to advance our exploration program and unlock the full potential of our properties."* Commented Peter Schloo, President, CEO and Director of Heritage.

**DBL Project - Zone 3 Target Area**

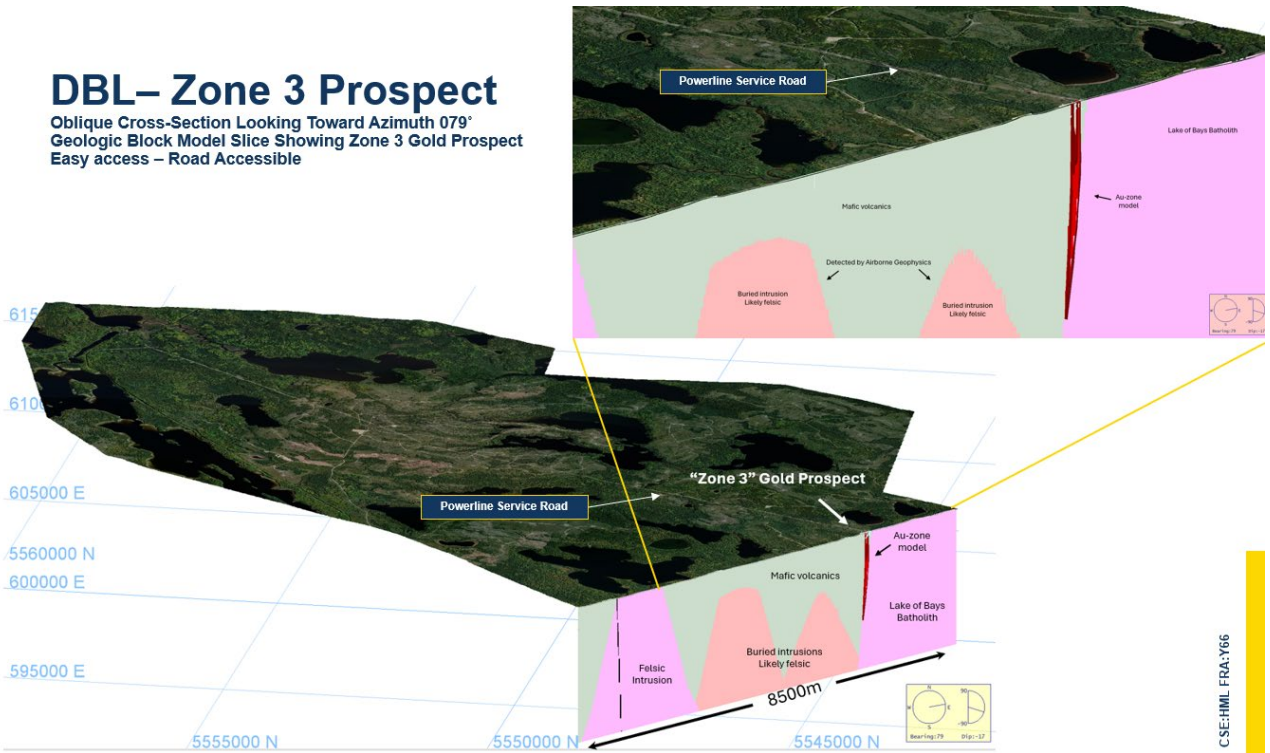
**Zone 3 Historical Highlights** to be confirmed in this year’s exploration program by diamond drilling.

Hole	Description	Date	
DDH2	2.5ft (.76m) 0.21 oz/ton (5.95g/t Au) also sections at 0.04 (1.13g/t Au) and 0.05 oz/ton (1.42 g/t Au)	10-Jun-37	4th pass
DDH2A	3 X 2.5 (.76m) sections 0.77 (21.83 g/t Au) , Trace, 0.53 (15.03g/t Au)	10-Jun-37	4th pass
DDH3	Average 0.21 oz/ton (5.95g/t Au) 5.1ft (1.55m) (True Width)	17-Dec-36	Second Pass
<b>DDH4 – HML to Confirm</b>	30ft (9.14m) mineralized at 9ft (2.74m). 14’ (4.27m) of .27 oz/ton (7.65g/t Au), 28ft (8.53m) section at 90 ft (27.43m) (0.10 to 0.86 oz/ton (2.83g/t Au to 24.38g/t Au), 14ft (4.27m) section above valued at 0.25oz/ton (7.09g/t Au) (True Width 8.3ft, (2.53m))	19-Nov-36	First Pass
DDH5	8’ (VG) (1.83m), strongly mineralized average 0.21 oz/ton (5.95g/t Au) 5.1ft (1.55m)	17-Dec-36	Second Pass
DDH6	Similar core to that for DDH5 (20ft, (6.10m))	19-Nov-36	First Pass
DDH7	2.5’ (0.76m) of .5 oz/t Au (14.17g/t Au). Average 0.21 oz/ton (5.95g/t Au) 5.1 ft (True width, 1.55m)	17-Dec-36	Second Pass
DDH8	AS DDH 7	17-Dec-36	Second Pass
<b>DDH12 – HML to Confirm</b>	112ft (34.14m) mineralized at 91ft to 203ft (27.74m to 61.88m or 34.14m wide mineralized zone), 24ft (7.32m) mineralized andesite & Quartz 325 ft (99.06m) to 349 ft (106.38m), 24ft (7.32m) sections 398ft (121.31) to 422 ft (128.63m), 7ft (2.13m) section 433ft (131m) to 440ft (134m).	25-Mar-37	Third Pass
<b>DDH13 – HML to Confirm</b>	Values for same zone not as high as in DDH 14 q.v.	10-Jun-37	4th Pass - Commercial Ore Indications
<b>DDH14 – HML to Confirm</b>	Extended to 434ft (132.28m) granite porphyry intrusion along contact old granite & andesite; followed by 30ft (9.14m) zone granite with mineralized andesite, quartz, pyrite, & granite with quartz, carbonate & pyrite. 8.5 Commercial Ore	10-Jun-37	

Figure 1 – Historical drilling highlights to be confirmed by the Company

# DBL- Zone 3 Prospect

Oblique Cross-Section Looking Toward Azimuth 079°  
Geologic Block Model Slice Showing Zone 3 Gold Prospect  
Easy access – Road Accessible



CSE:HML FRA:Y66

Figure 2 – 3D Model of Zone 3

# DBL- Zone 3 Prospect

Longitudinal Section Looking Toward Azimuth 304°  
Section Width Infinity

Never Drilled since 1930's,  
**HML to confirm multiple historical broad high-grade intervals as historic drill hole logs never submitted to the government**

HML Team has confirmed surface mineralization and mapped historic trenches.

HML 3D Model using historical data from 1930s to present

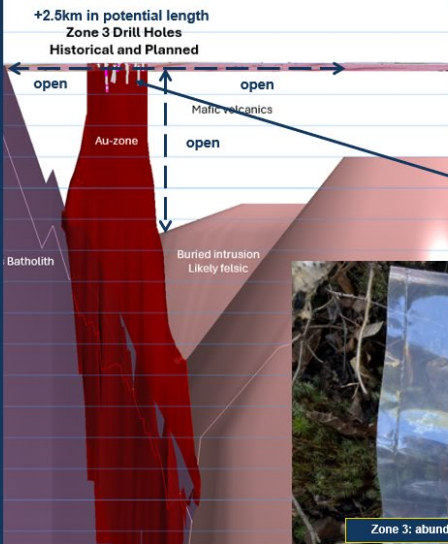
- 2.5km strike potential
- Open down dip and along strike
- Excellent access
- Drill place in place 610m Phase 1

**Historical Highlights**

D.D.H 4 30ft (9.14m) mineralized at 9ft (2.74m). 14' (4.27m) of .27 oz/ton (7.65g/t Au), 28ft (8.53m) section at 90 ft (27.43m) (0.10 to 0.86 oz/ton (2.83g/t Au to 24.38g/t Au), 14ft (4.27m) section above valued at 0.25oz/ton (7.09g/t Au) (True Width 8.3ft, (2.53m))

D.D.H 5 6' (1.83m), strongly mineralized average 0.21 oz/ton (5.95g/t Au) 5.1ft (1.55m)

Estimated ore shoot of approximately 70,000 tons 0.24 oz Au/ton (8.16 g/t Au) (1980)



Zone 3: quartz vein exposed at the end of an old trench. Viewpoint facing 80 degrees



Zone 3: abundant sulfide mineralization in sample HM23-007 (0.2g/t Au) from historic blast pit

Figure 3 – 3D Model of Zone 3 and description

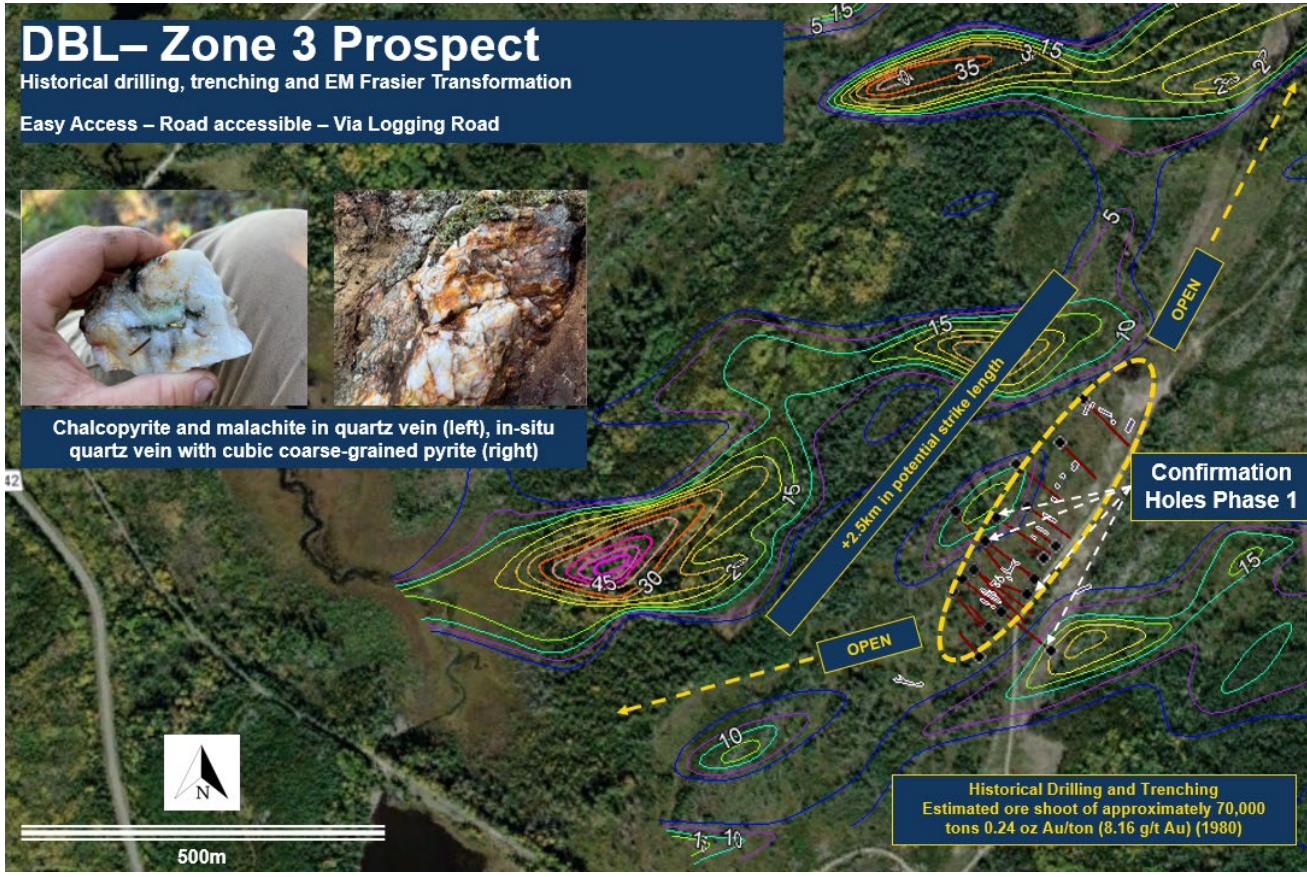


Figure 4 – Historical drilling, trenching and EM Frasier Transformation

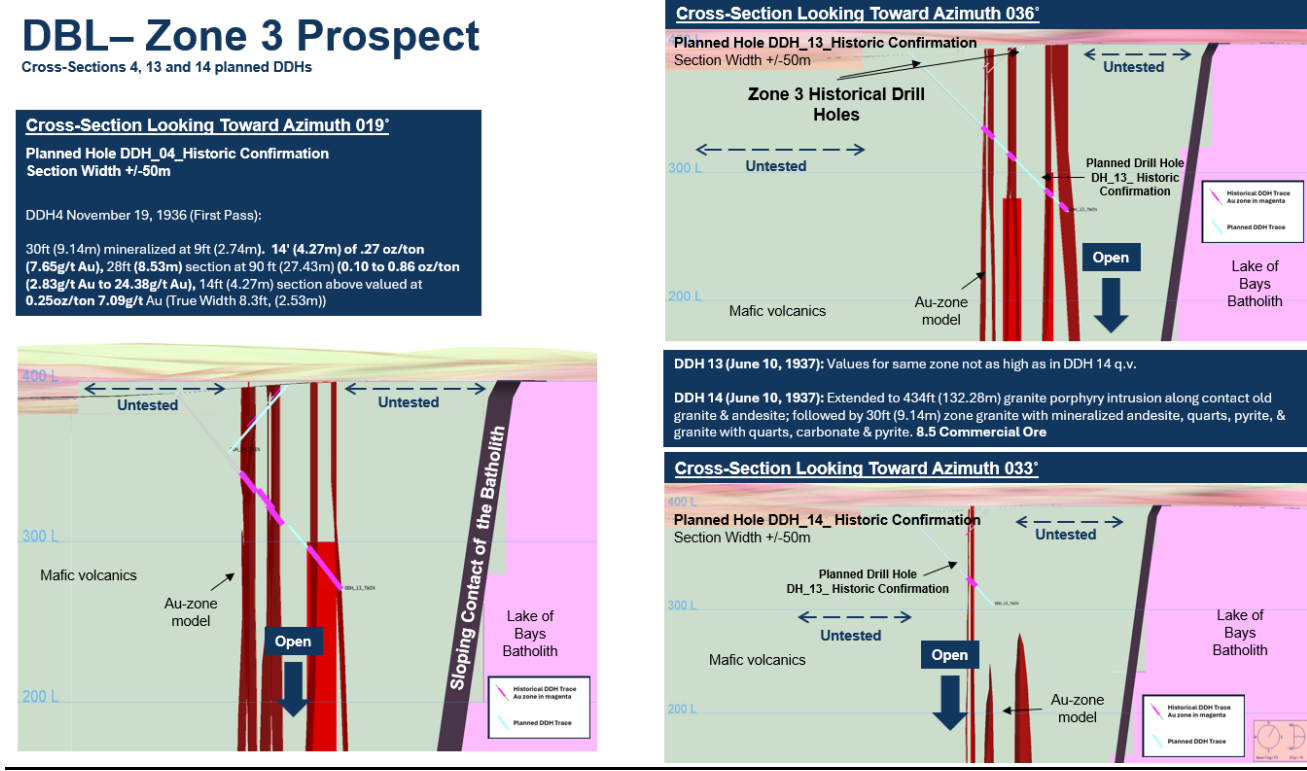


Figure 5 – 3D Model of Zone 3 and explanation

## Zone 3 Contact Extension Secured

Zone 3 mineralization is associated along the Contact of the Mafic Volcanics and Batholith. The Company therefore staked claims along the contact in order to secure continuity totaling ~+4km in potential strike length.

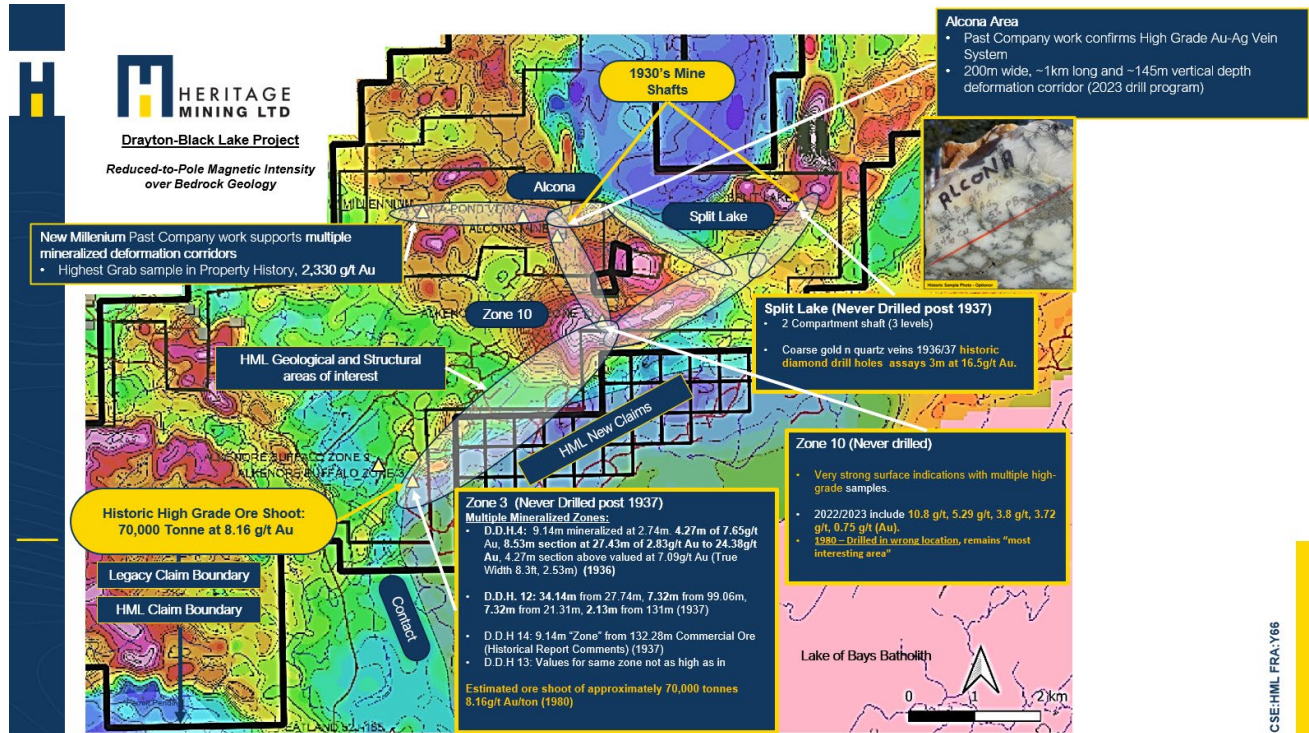


Figure 6 – Reduced-to-Pole Magnetic Intensity over Bedrock Geology

## Exploration Plan Update

### Soil Sample - Spatiotemporal-Gas-Hydrocarbon type analysis (SGH)

The orientation grid consisted of 88 samples taken at 25m spacing on a grid pattern. This survey targeted known mineralization at surface near the Alcona mine to determine the practicality of spatiotemporal-gas-hydrocarbon type analysis (SGH) in the local terrane. This will ensure the survey properly picks up on mineralization before initiating a property-wide survey later this summer.

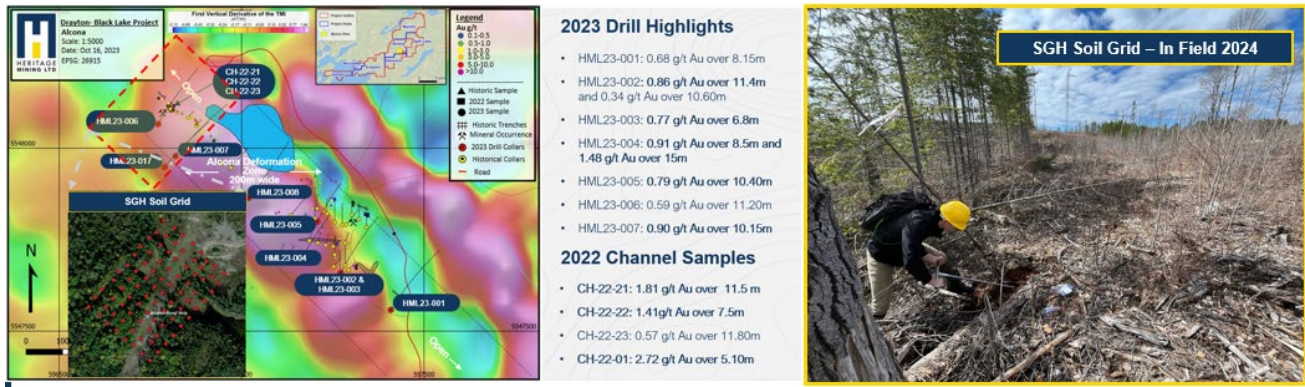


Figure 7 Alcona Area orientation grid soil sampling 2024

## Case Study Support for SGH

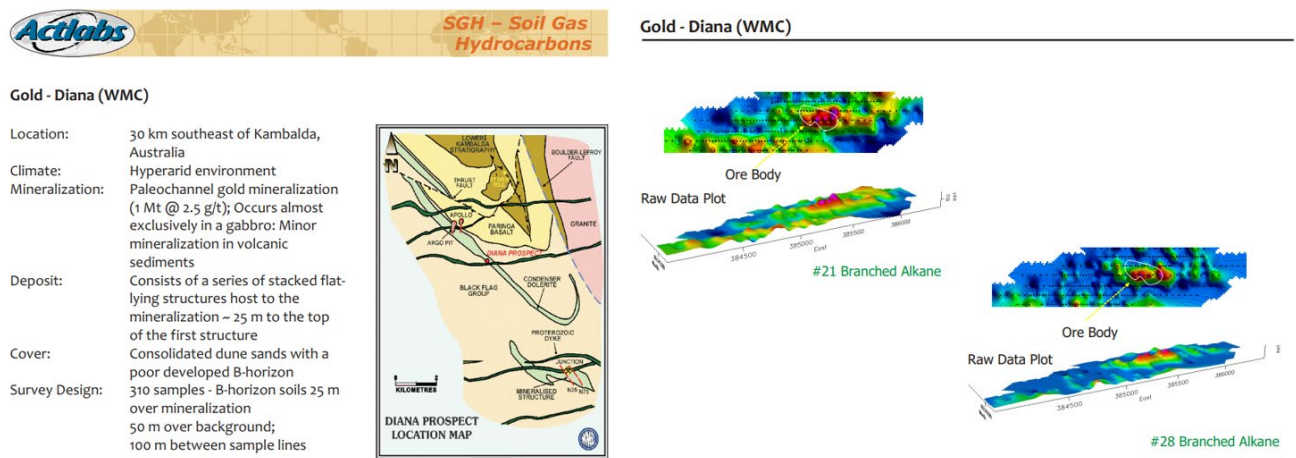


Figure 8 – Case Study from Act Labs website: [www.actlabs.com](http://www.actlabs.com)

For more information please visit: <https://actlabs.com/geochemistry/tools-for-buried-deposit-targets/sgh/>

Diamond Drilling is set to commence no later than June 30, 2024.

## Property-wide Structural Interpretation & 3D Geology Model

### Structural Interpretation:

The interpretation is heavily slanted toward the identification of favourable zones for hosting orogenic-style gold. The belt hosts geometries consistent with two major deformation events, mineralisation during either event is possible based on current information.

First pass interpretation resulted in 20 zones of structural complexity with potential to host low mean stress sites applicable to both (Figure 9).

*“Gold mineralisation appears to be spatially coincident with the second-order sigmoidal, across-belt structures in the eastern end of the belt. In the west of the project area, the geometry of folded thrusts sitting at the end of, and possibly above, a major syntectonic granite pluton, has geometric affinities with the multi-million ounce Kanowna Belle gold deposit in Western Australia. Note that similar macroscale geometries to those inferred for the HML ground have been identified in Proterozoic and Archaean granite-greenstone belts globally and host world-class orogenic-style gold deposits, reinforcing the gold-discovery potential of HML's tenement package.”*

Commented Dr. Brett Davis, Advisor to the Company

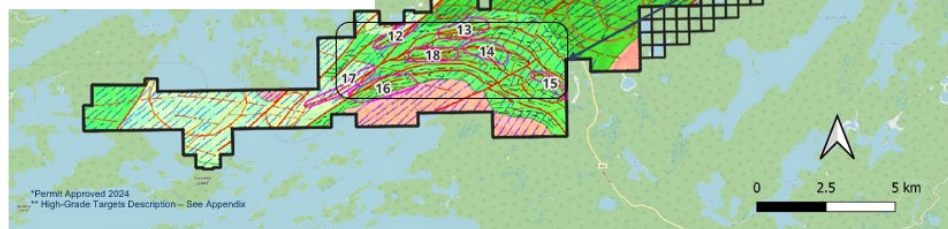
# Drayton-Black Lake Project Area

## Areas of interest for orogenic-style

The Next District-Scale Discovery in NW Ontario, Canada

Areas with features considered amenable for preferential hosting of orogenic-style gold mineralization are shown as pink polygons.

Note that a number of these polygons also coincide with areas of structural complexity contoured.



*"A common theme for granite-greenstone belts is for the gold deposits to be located on second-order structures that break off major belt-parallel structures (e.g. the Eastern Goldfields Superterrane in Western Australia)."*

*Note that the geometry of folded thrusts sitting at the end of, and possibly above, a major syntectonic granite pluton, is akin to that hosting the multimillion-ounce Kanowna Belle deposit in Western Australia.*

*Note that similar macroscale geometries to those inferred for the HML ground have been identified in Proterozoic and Archean granite-greenstone belts globally and host world-class orogenic-style gold deposits, reinforcing the gold discovery potential of HML's tenement package." Commented Dr. Brett Davis, Advisor to the Company*

Figure 9 – Areas of interest at DBL for orogenic-style gold – Structural Interpretation

### 3D Geological Model

The Company has created the first ever **property-wide 3D geological model (32km EW by 25km NW by 3km vertical extent)** to model the property's historic database, which dates back to the early 1900s and totals over 28 kilometers of drilling to date. The modelling of the database will enhance the company's geological understanding of the property, providing new insights into styles of mineralization and their geologic controls. It is expected to unlock further targets to test in the Company's active 2024 program.

### Qualified Person

Mitch Lavery P. Geo, Strategic Advisor for the Company, serves as a qualified person as defined by National Instrument 43-101 – Standards of Disclosure for Mineral Projects and has reviewed the scientific and technical information in this news release, approving the disclosure herein.

### ABOUT HERITAGE MINING LTD.

The Company is a Canadian mineral exploration company advancing its two high grade gold-silver-copper projects in Northwestern Ontario. The Drayton-Black Lake and the Contact Bay projects are located near Sioux Lookout in the underexplored Eagle-Wabigoon-Manitou Greenstone Belt. Both projects benefit from a wealth of historic data, excellent site access and logistical support from the local community. The Company is well capitalized, with a tight capital structure.

For further information, please contact:

**Heritage Mining Ltd.**

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