



**GOLDEN LAKE**  
EXPLORATION INC.

CSE GLM OTC GOLXF

**EXPLORING THE PROLIFIC**

**BATTLE MOUNTAIN-  
EUREKA GOLD TREND**

**MAY 2024**



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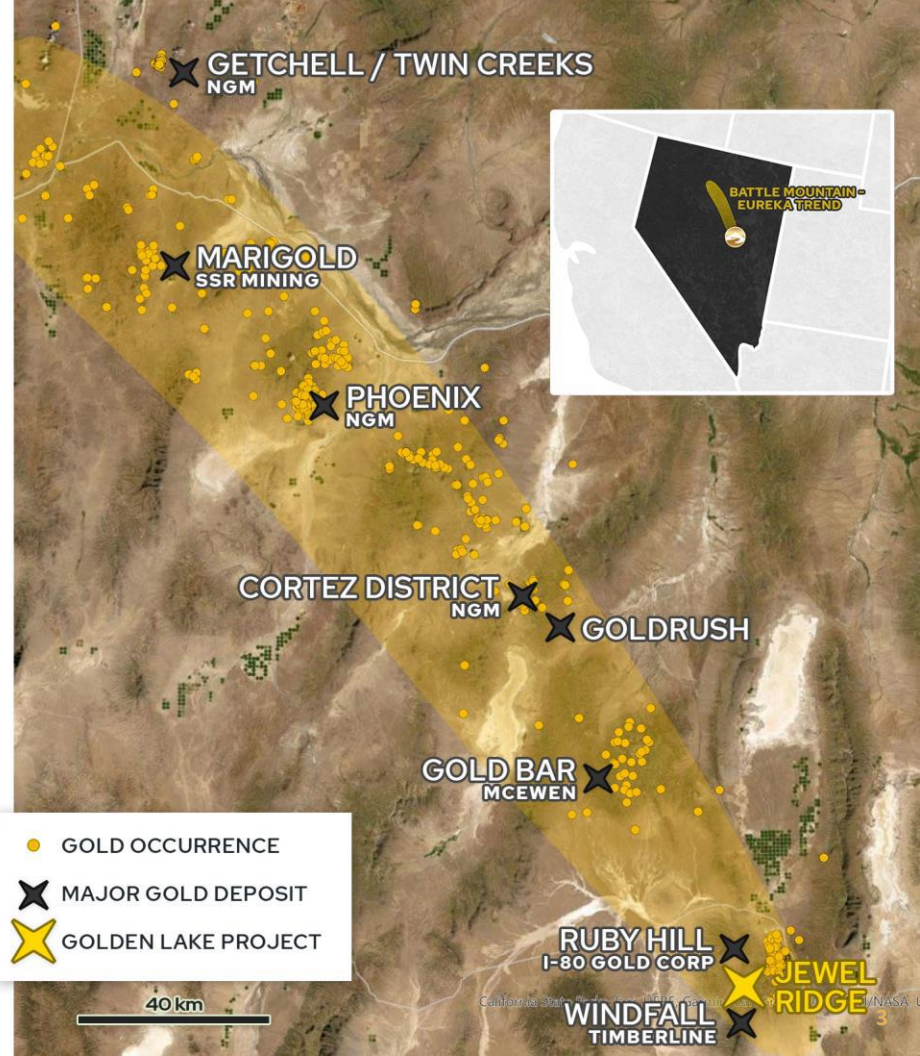
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# BATTLE MOUNTAIN - EUREKA GOLD TREND

Battle Mountain – Eureka Gold Trend is one of the premier gold producing belts in the world (>40M oz. Au produced)

- Extensive CRD (carbonate replacement deposits) mining since late 1800s with remaining multi million-ounce Au & Ag potential & excellent base-metal potential
- Carlin-type & CRD gold deposits are present within the belt
- Nevada Gold Mines, I-80 Gold, McEwen Mining, SSR Mining are major players in the belt
- **Golden Lake's Jewel Ridge property located at the south end of the belt**

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# PLAYERS IN THE SOUTH EUREKA GOLD TREND

Four publicly-traded companies are currently exploring in the South Eureka Gold Trend:

## I-80 Gold (IAU.TO)

Ruby Hill Property, \$629.3M Market Cap\*

## North Peak Resources (NPR.V)

Prospect Mountain Property, \$31.3M Market Cap\*

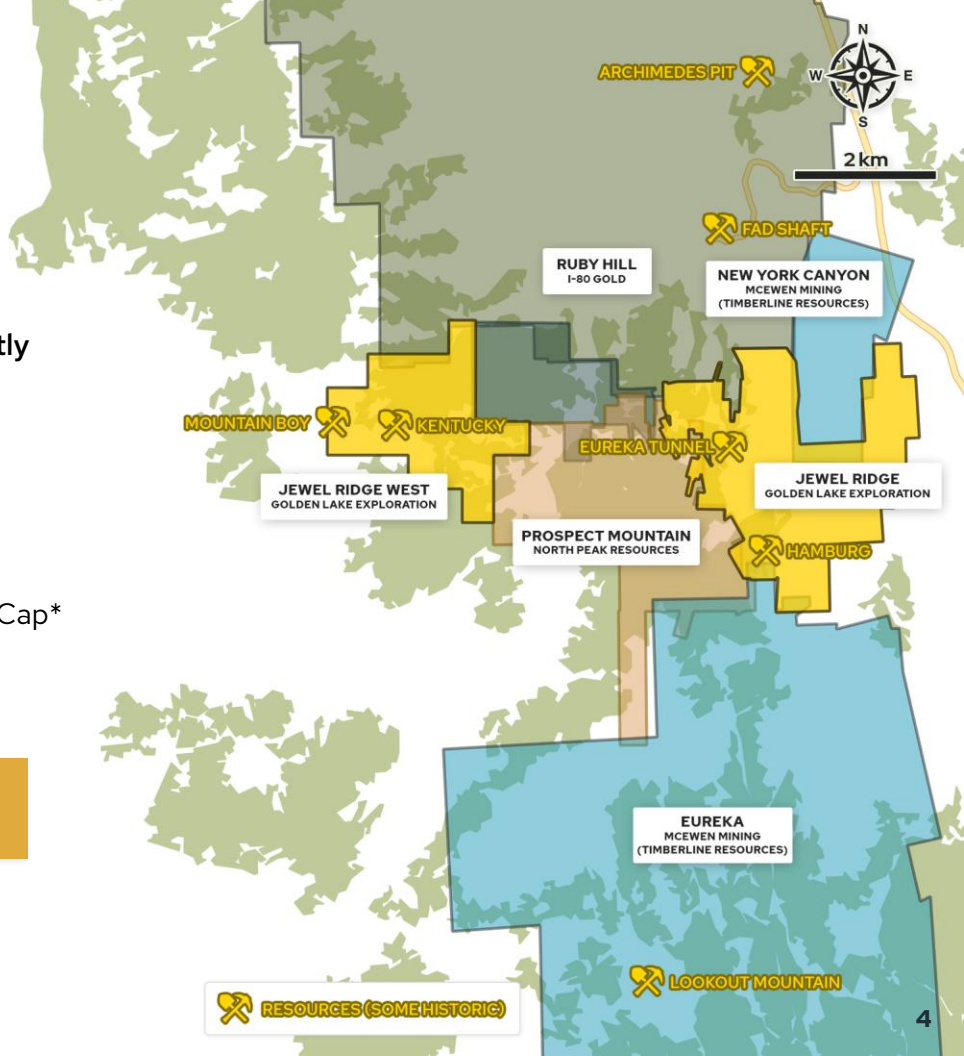
## McEwen Mining (Pending)

Eureka Property, \$810.3M Market Cap\*

## Golden Lake Exploration (GLM.V)

Jewel Ridge Property, \$3.93M Market Cap\*

\*Market caps as of April 24<sup>th</sup>, 2024



# SOUTH EUREKA GOLD BELT

## DISTRICT ENDOWMENT

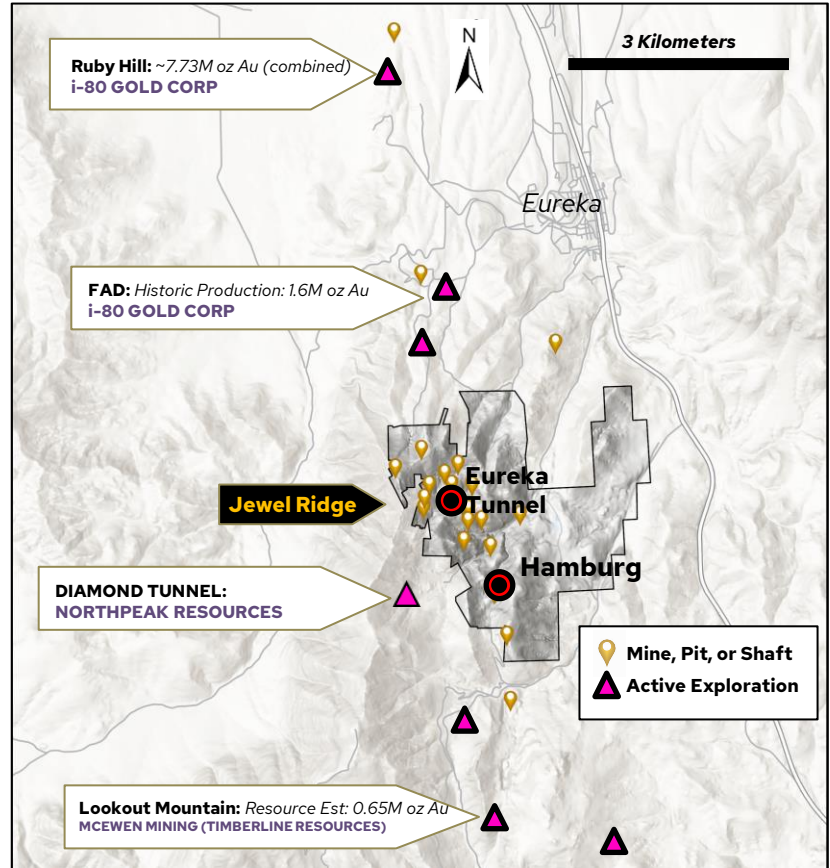
**Ruby Hill:** 7.73M oz Au (combined, non 43-101 compliant) from deposits within the Ruby Hill Complex, **outstanding recent drill results from numerous deposits**

**FAD:** 1.6M oz Au & 38M oz Ag recovered from 1.8MT (historic production), **outstanding recent drill results**

**Jewel Ridge:** 57.2 g/t Au, 452 g/t Ag, 7.2% Pb & 12.0% Zn over 3.2M (Eureka Tunnel) & 10.72 g/t Au over 8.6M (Hamburg)

**Lookout Mountain:** 28.9MT @ 0.41 g/t Au totaling 0.58M oz Au (Measured & Indicated)

**Over 10M oz. Au & outstanding base-metal potential within the SEGB with excellent upside potential**



# THE CASE FOR JEWEL RIDGE

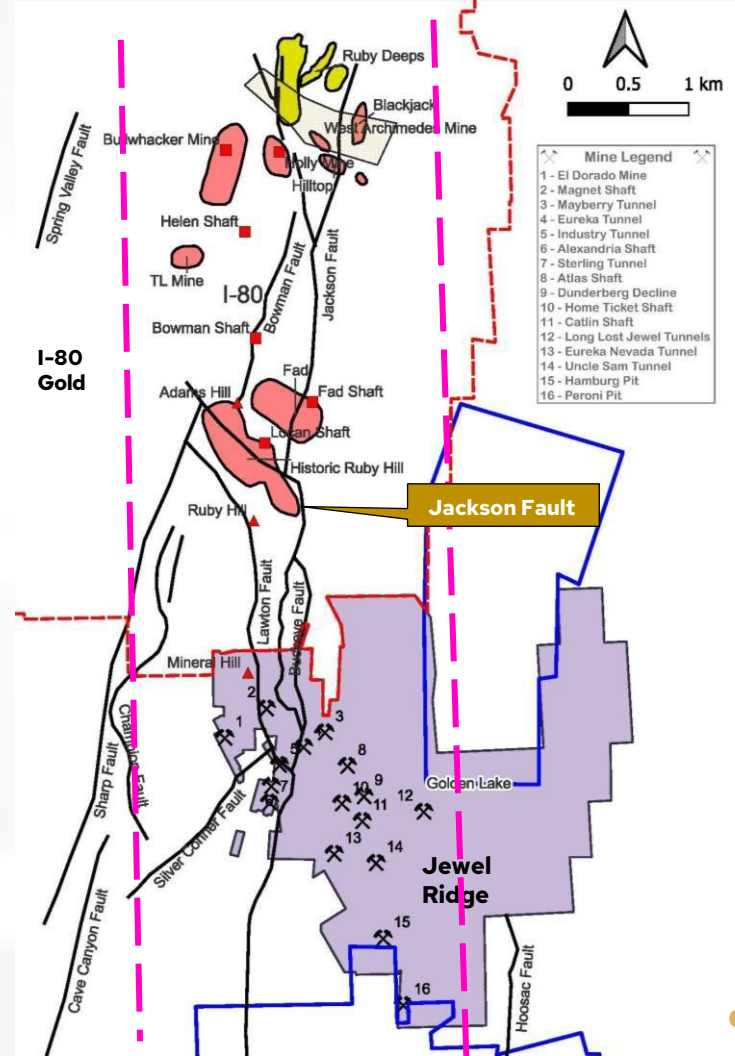
## 10+ KM LONG MINERALIZED CORRIDOR

**Jewel Ridge is situated on a 10km-long, north-trending mineralized corridor (dashed pink lines) centered on the Jackson Fault**

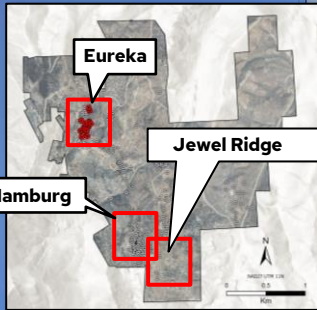
All of the Archimedes, Ruby Deeps, Hilltop, 426, Blackjack and FAD deposits on the I-80 Gold property are contained within the broad 2 km-wide corridor

**The southern extension of the mineralized corridor trends directly onto the Jewel Ridge containing numerous historic mines & occurrences**

The corridor contains both Carbonate Replacement deposits (Hilltop, 426 & FAD deposits) as well as Carlin-type disseminated gold deposits (Archimedes, Ruby Deeps deposits)



# THE CASE FOR JEWEL RIDGE EXCELLENT DRILL RESULTS



Jewel Ridge Target							
Hole ID	From (m)	To (m)	Length (m)	Au g/t	Ag g/t	Pb %	Zn %
HRH-831	10.67	39.62	28.96	2.20	0.10	0.01	0.02
Including	25.91	35.05	9.14	5.90	0.10	0.01	0.04
HRH-1465	114.30	170.69	56.39	1.24	0.19	0.00	0.01
Including	121.92	132.59	10.67	4.79	0.54	0.00	0.01
Hamburg Target							
Hole ID	From (m)	To (m)	Length (m)	Au g/t	Ag g/t	Pb %	Zn %
JR-22-36DD	42.64	110.22	67.57	2.37	2.49	0.01	0.03
Including	56.66	65.23	8.56	10.72	9.30	0.00	0.01
JR-22-37DD	20.42	31.09	10.67	4.29	25.68	0.98	1.38
Including	24.57	28.29	3.72	7.84	50.10	2.22	2.24
Including	35.66	43.28	7.62	0.38	5.73	0.27	0.60
Including	46.33	50.90	4.57	1.13	19.37	0.41	0.99
Eureka Tunnel Target							
Hole ID	From (m)	To (m)	Length (m)	Au g/t	Ag g/t	Pb %	Zn %
JR-20-12DD	15.21	18.44	3.23	57.16	452.03	7.23	11.99
JR-21-16DD	0.00	25.54	25.54	4.37	13.56	0.29	0.95
Including	10.68	15.09	4.40	14.09	14.53	0.17	3.05
JR-21-23DD	0.00	79.25	79.25	0.55	0.81	0.03	0.08
Including	36.79	40.45	3.66	1.93	1.04	0.07	0.06
Including	85.95	96.13	10.18	0.49	0.99	0.03	0.07

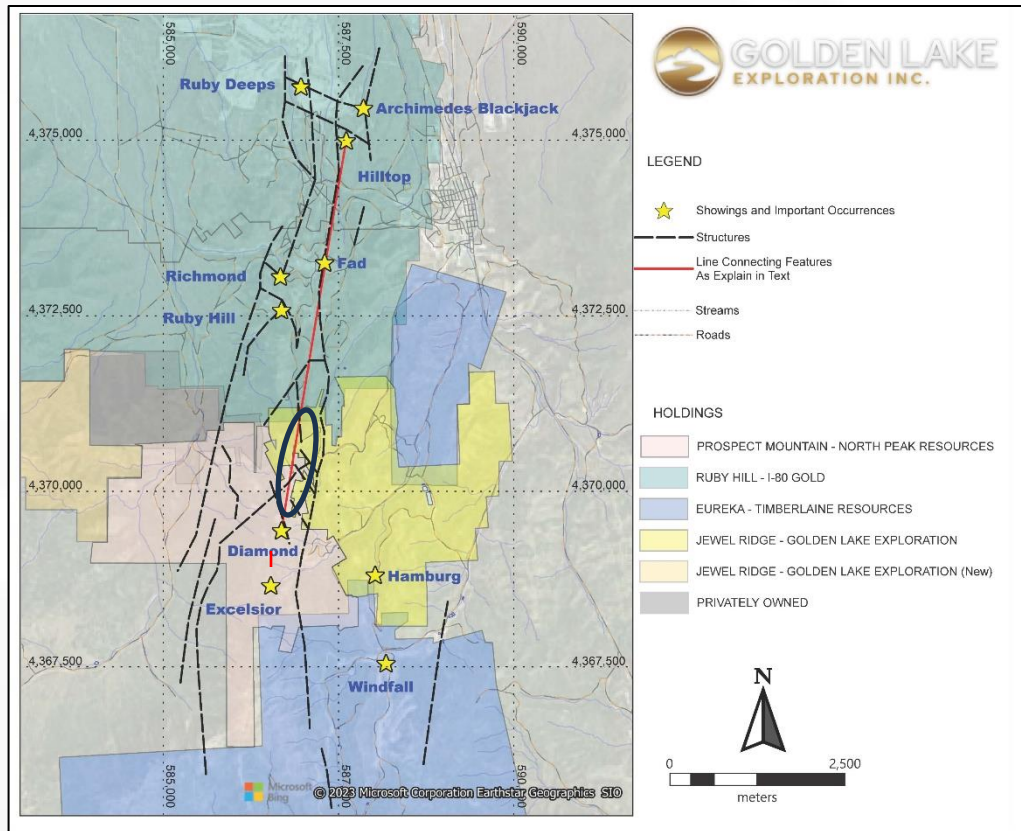
**Jewel Ridge is a Carlin-type deposit, Eureka Tunnel and Hamburg are hybrid CRD/Carlin-type deposits**

# TARGET 1

## CRD STRUCTURAL CORRIDOR TARGET

CRD Deposits are aligned in a north-south trend over 10 km from the Ruby Deeps/Hilltop deposits (to the north on I-80 ground) to the Diamond/Excelsior deposits (to the south on North Peak ground)

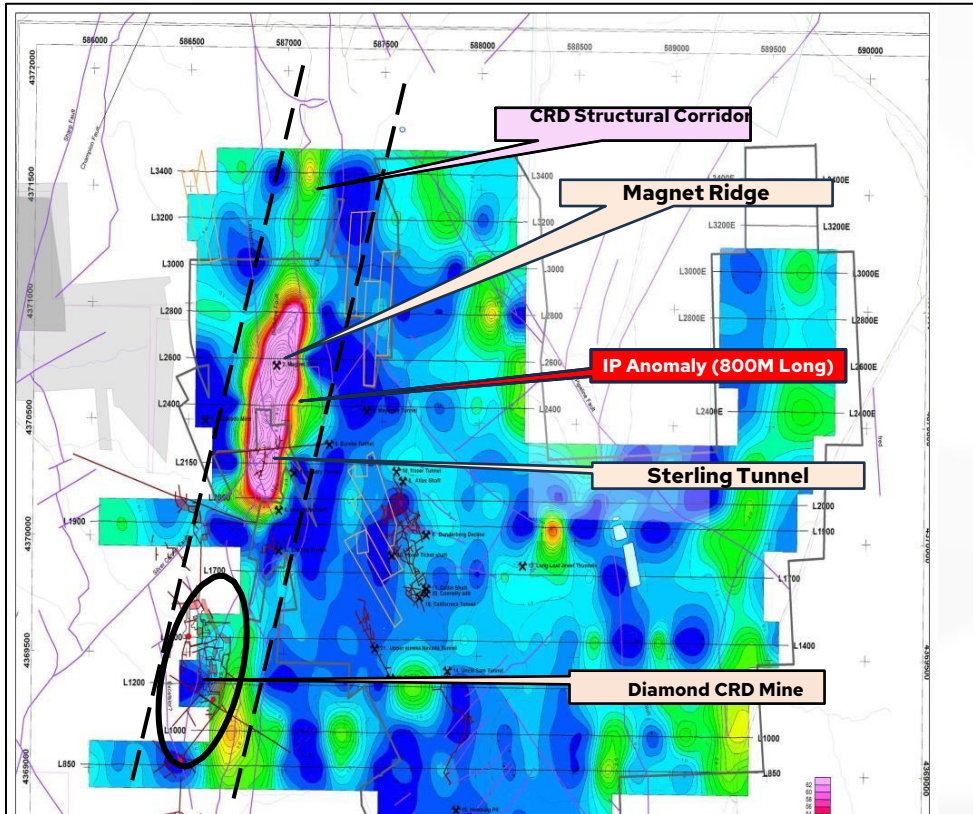
- These are all related to a north-south fault complex & intersecting WNW structures as well as lithologic contacts
- Target 1 (black oval) is situated in the heart of the corridor and comprises an untested 800 metre-long IP anomaly**





# TARGET 1

## MAGNET RIDGE TARGET – PROSPECTIVE FOR CRD MINERALIZATION

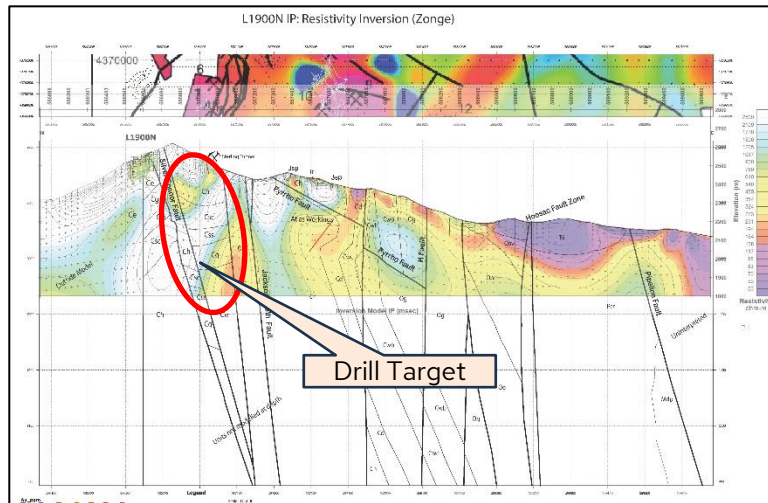
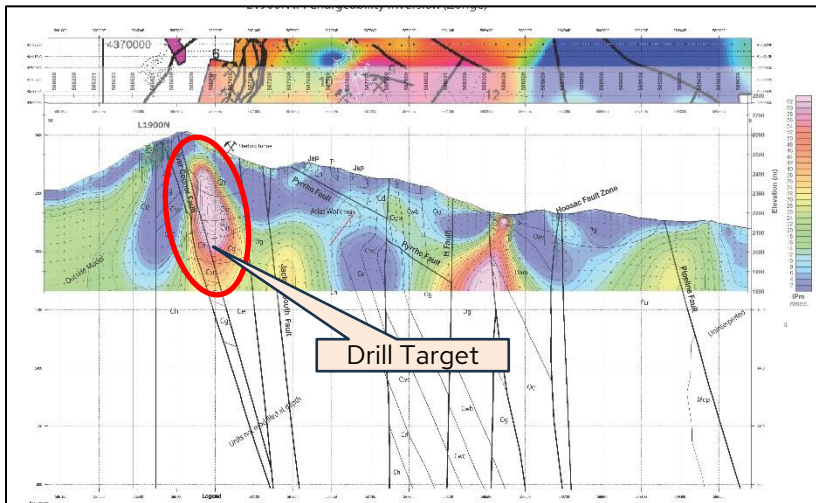


### 800-Long IP Anomaly is Intimately Associated With the Known North-South Trending Structural Corridor Containing CRD Deposits

- As far as known no historic drilling has tested this anomaly; one historic drill hole drilled off on the fringes of the anomaly intersected 1 g/t Au over 12.2 meters (at very shallow depth)
- The IP anomaly is strongly defined at surface and persists to a minimum depth of 400 metres below surface, where it remains open at depth
- Highest-priority target for upcoming diamond drilling

## TARGET 1

# MAGNET RIDGE TARGET – PROSPECTIVE FOR CRD MINERALIZATION



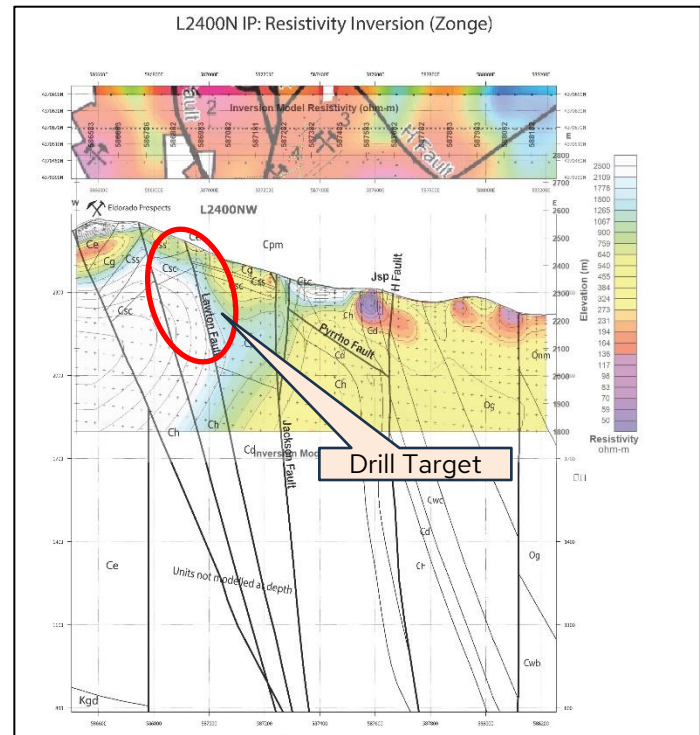
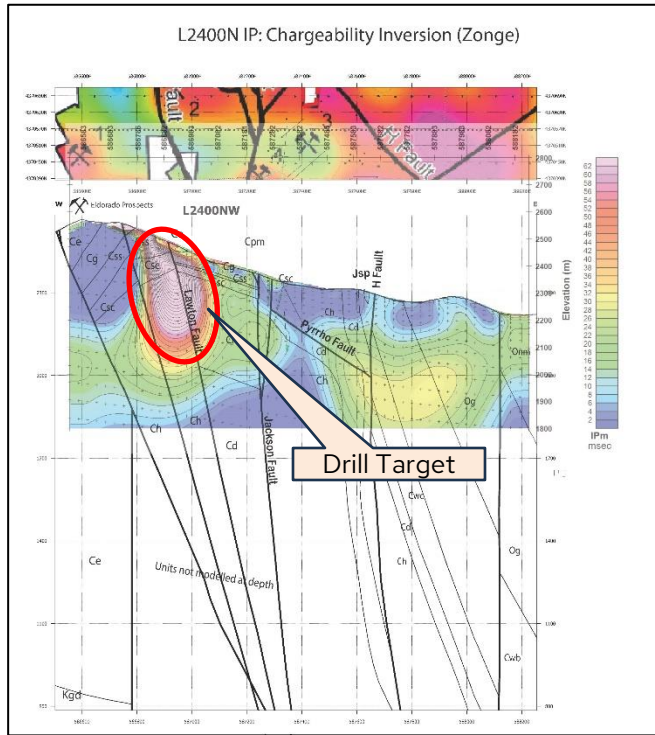
Line 1900N – IP Chargeability

Line 1900N – IP Resistivity

- 800-metre-long IP anomaly associated with known CRD deposits (Sterling Tunnel & Magnet Ridge)
- Strong chargeability anomaly crosscuts stratigraphy and is intimately related to the Lawton & Jackson faults; IP anomaly situated from 100 to 400 metres below surface
- Resistivity high associated with the host dolomites in contact with an unknown resistivity low
- Strong soil geochemistry seen on surface (Au, Ag, As, Sb, Zn, Pb & Cu)

# TARGET 1

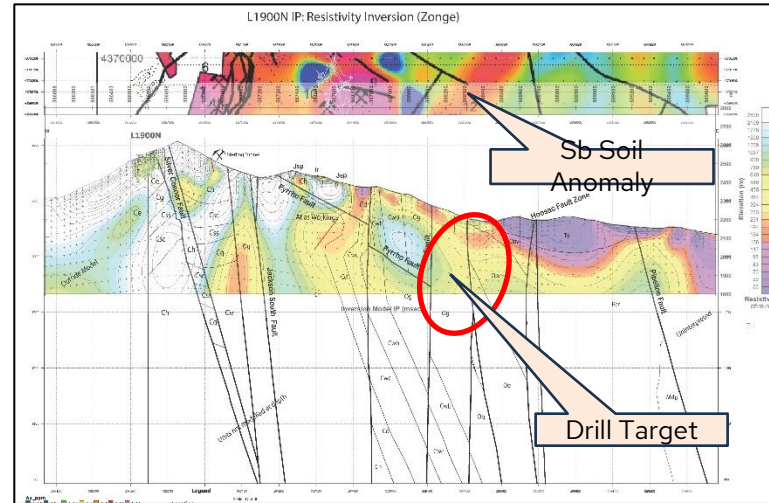
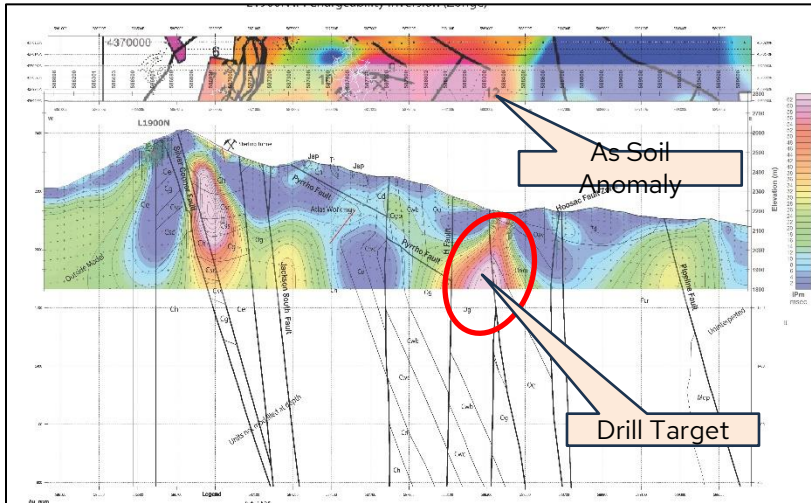
## MAGNET RIDGE TARGET – PROSPECTIVE FOR CRD MINERALIZATION



- Strong crosscutting chargeability anomaly intimately related to the Lawton Fault
- Resistivity high likely due to the host rock types present namely the Hamburg dolomite

## TARGET 2

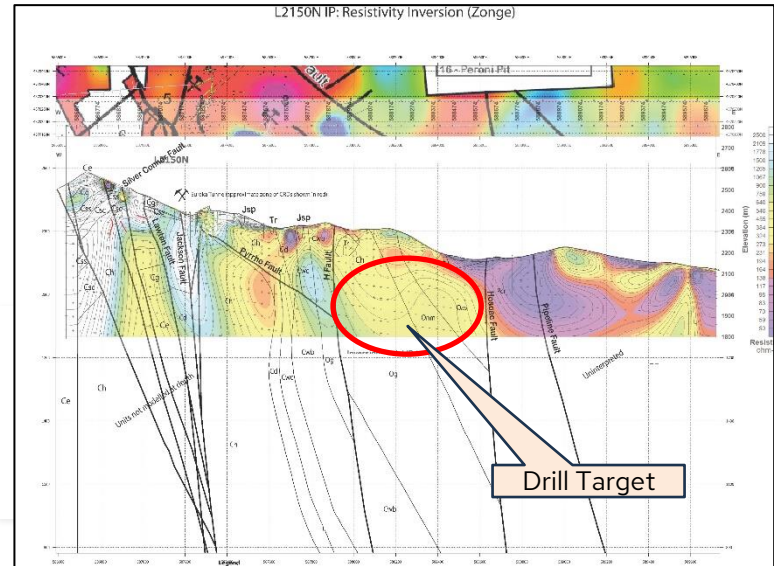
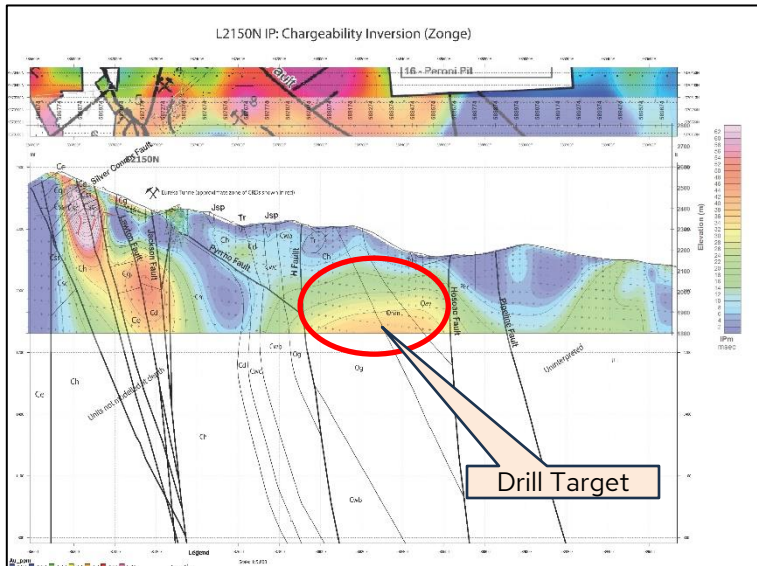
# POGONIP TARGET – PROSPECTIVE FOR CARLIN-TYPE MINERALIZATION



- Strong near surface chargeability is closely related to the Goodwin Formation – Nine Mile Formation contact (Pogonip Group) in a similar geologic setting as the Archimedes deposit (1.5M ounces Au)
- Chargeability anomaly is closely related to the H fault and defined over a 500-metre strike length (1900N-2400N)
- Low to moderate IP resistivity characterizes the target area
- As and Sb soil anomalies and jasperoid occur on surface overlying the IP anomaly

## TARGET 2

# POGONIP TARGET – PROSPECTIVE FOR CARLIN-TYPE MINERALIZATION



- Broad, moderate strength chargeability anomaly situated 200 metres below surface straddling the Goodwin formation – Nine Mile formation contact
- Resistivity anomaly is extensive and characterized by moderate resistivity
- Similar geologic setting as to that of the Archimedes deposit (1.5M oz. Au)

## TARGET 3

# HAMBURG – DUNDERBERG CONTACT – CRD & CARLIN-TYPE MINERALIZATION

2.37 g/t Au over 67.58 metres

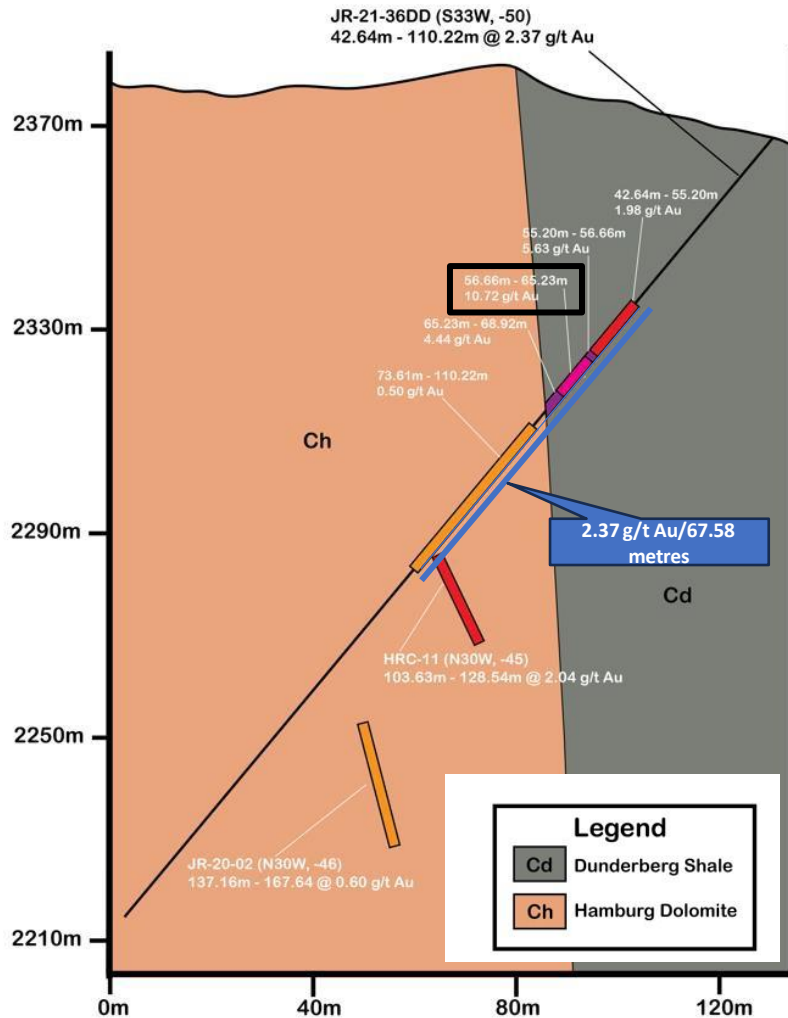
Carlin-style gold mineralization

High grade interval within intercept includes

10.72 g/t Au over 8.57 metres

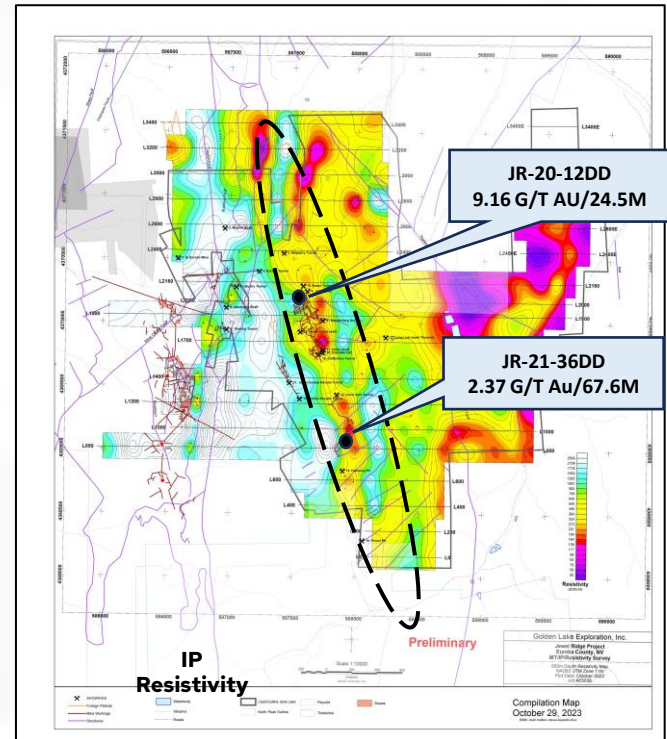
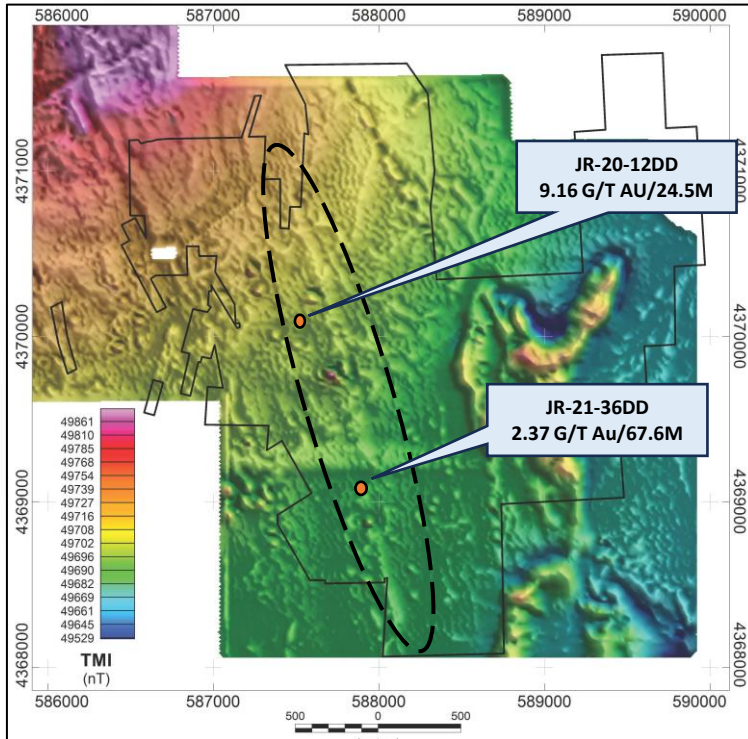


JR-20-12DD: 46 to 55 ft



## TARGET 3

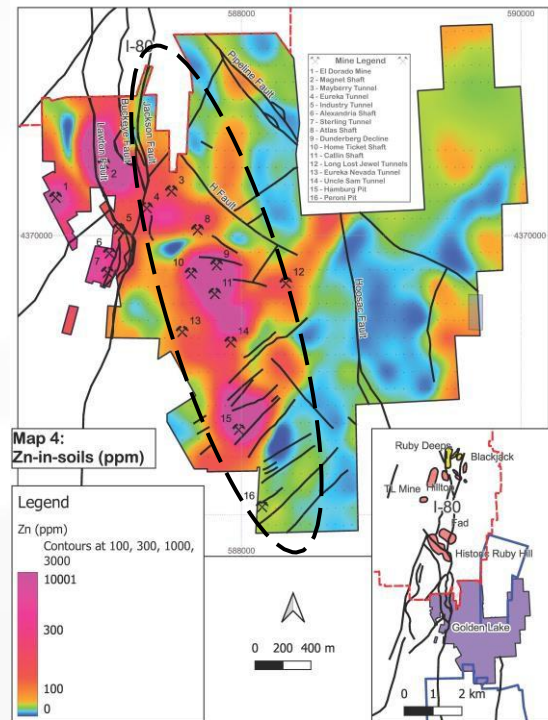
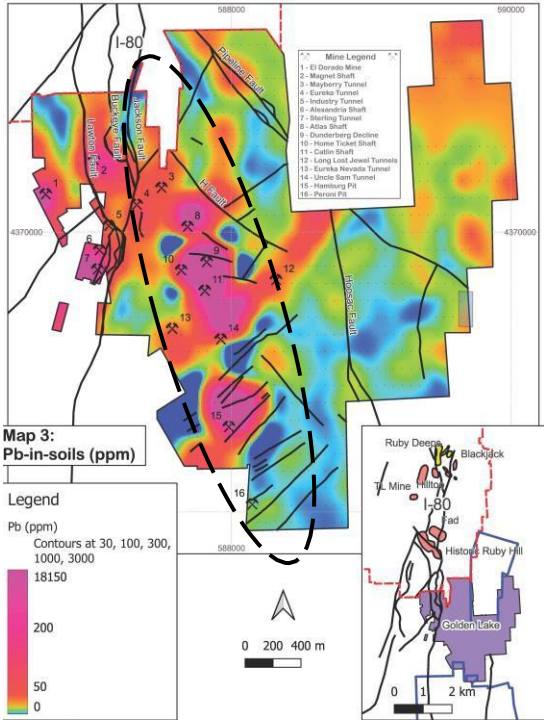
# HAMBURG – DUNDERBERG CONTACT, CRD & CARLIN-TYPE MINERALIZATION



- The drone magnetic survey (left) and IP survey (right) define a NNW-trending structure at the Hamburg dolomite-Dunderberg shale contact
- Drill holes JR-20-12DD & JR-21-36DD are closely related to this structure; much of the 3km-long structure untested by drilling

# TARGET 3

## HAMBURG – DUNDERBERG CONTACT, CRD & CARLIN-TYPE MINERALIZATION



**Several CRD and Carlin-Type Gold Occurrences as well as Strong Soil Anomalies are Contained Within the NNW- Trending Corridor**

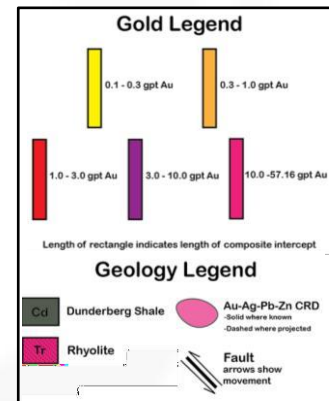
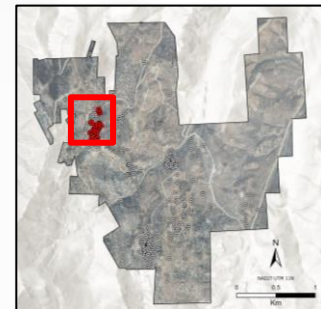
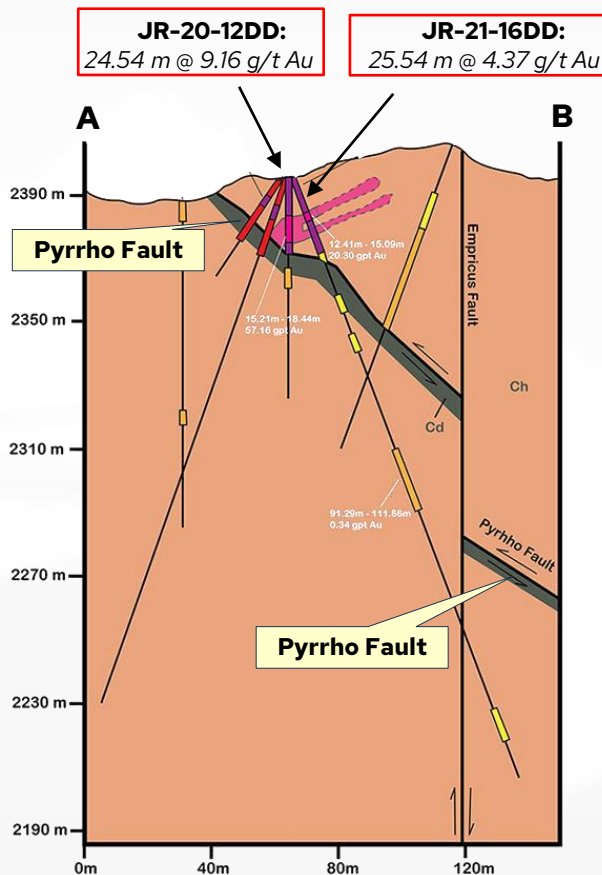
Soil anomalies reflect the 1 km- wide, NNW-trending corridor hosting CRD and Carlin-type mineralization at Jewel Ridge.



## TARGET 4

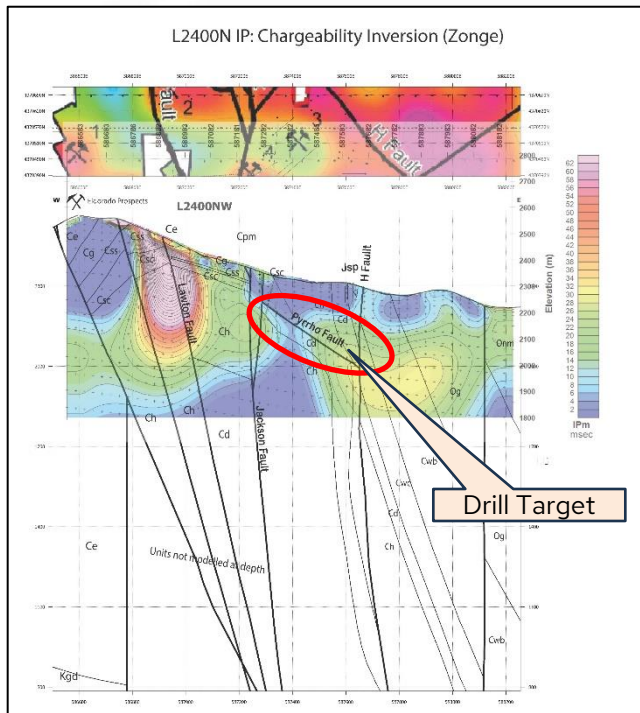
### PYRRHO FAULT-RELATED TARGETS

- 57.2 g/t Au, 452 g/t Ag, 7.2% Pb & 12.0% Zn over 3.2M (JR-20-12DD)
- 4.37 g/t Au over 25.54 metres (JR-21-16DD)
- Note very shallow level of drilling
- Carlin & Carbonate Replacement mineralization encountered in the drill holes
- High-grade mineralization occurs in the hanging-wall of the Pyrrho Fault while broader, lower grade zones occur on the foot-wall side of it

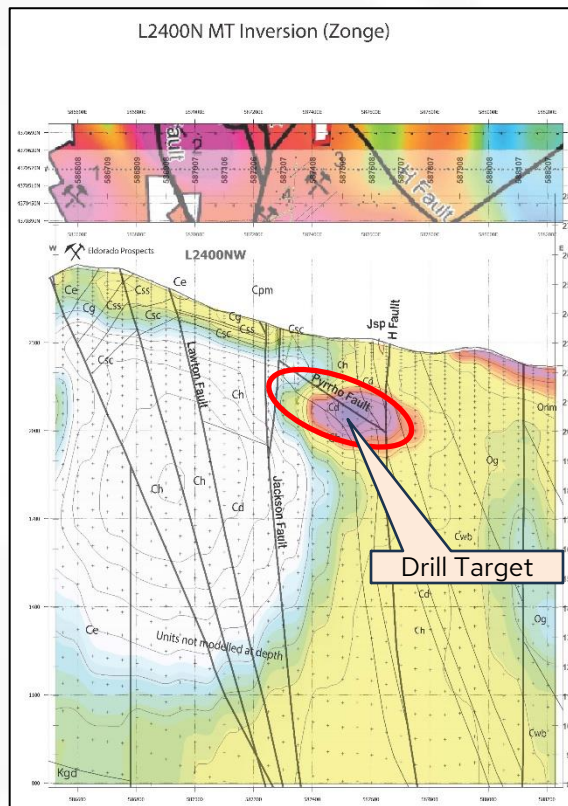


# TARGET 4

## PYRRHO FAULT-RELATED TARGETS



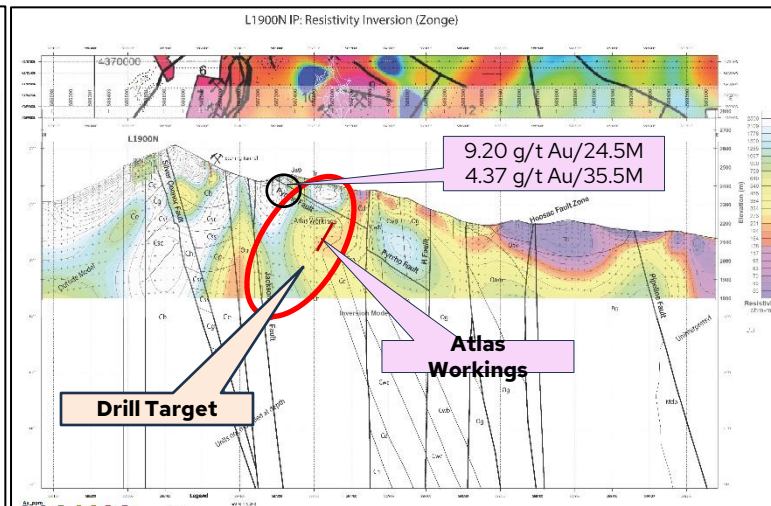
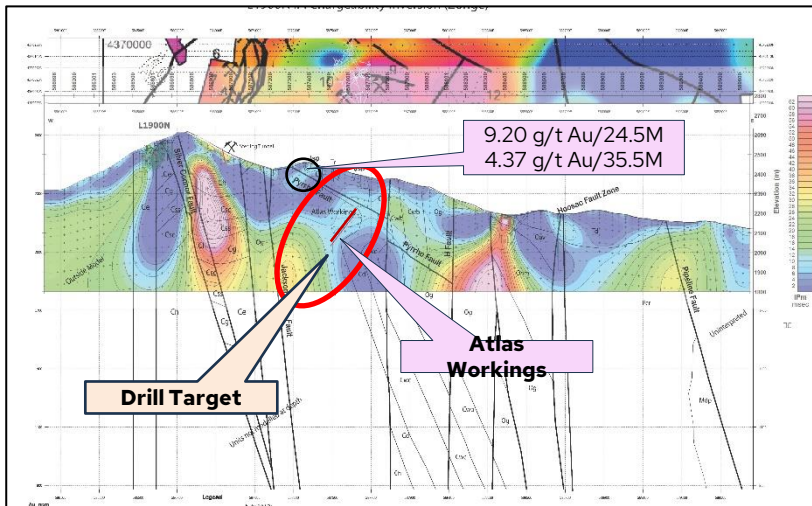
- Moderate chargeability associated with Pyrrho & H fault intersection at contact between Hamburg dolomite and Dunderberg shale



- Prominent resistivity low situated above and below the Pyrrho fault, the faulted contact between the Hamburg dolomite & Dunderberg shale

# TARGET 4

## PYRRHO FAULT-RELATED TARGETS



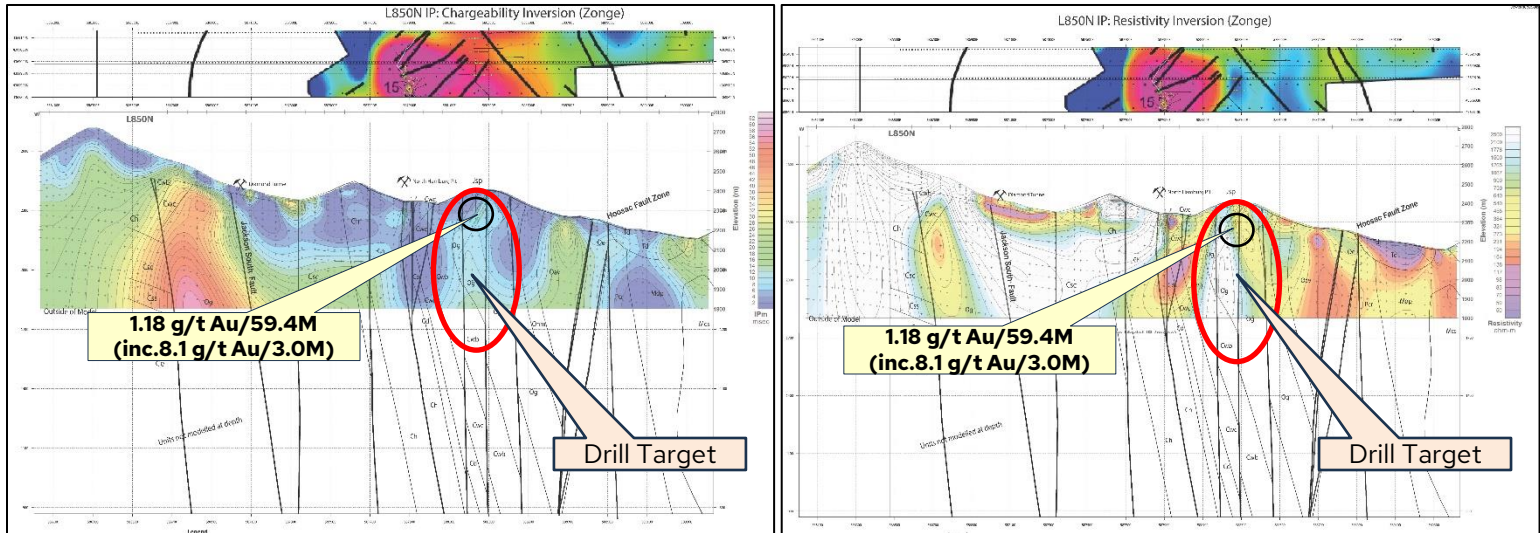
Line 1900N - IP Chargeability

Line 1900N - IP Resistivity

- The Atlas underground workings contain CRD and Carlin-type mineralization and are located below the Pyrrho fault reflected by low chargeability and moderate resistivity
- The down-dip projection of the Atlas zone appears to correlate with a stronger chargeability anomaly that persists to greater depth while the moderate resistivity anomaly persists to the same depth
- Additional drilling is required to test for the down-dip extension of the Atlas zone

## TARGET 5

# HOMESTAKE TARGET – PROSPECTIVE FOR CARLIN-TYPE MINERALIZATION

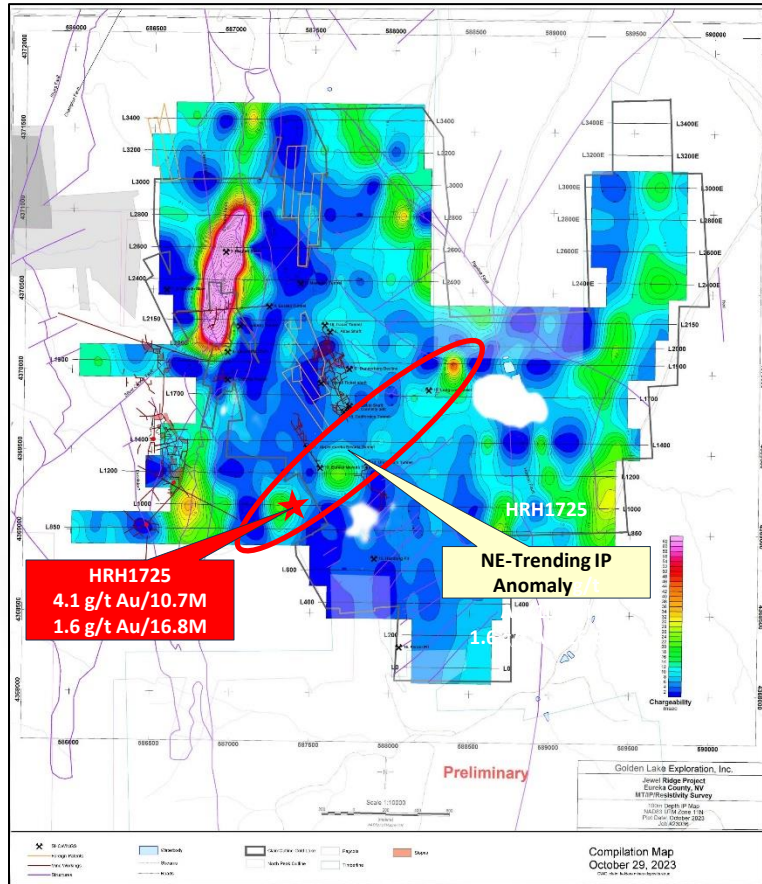


- A shallow Homestake drill hole (HRH-1465) intersected **1.18 g/t Au over 59.4M** (including 8.10 g/t Au over 3.1M)
- Weak to moderate chargeability coincident with the intersection continues to depth below intercept
- Gold intercept situated at contact between high and moderate resistivity that also continues to depth
- Additional drilling recommended below gold intercept to test for down-dip extent

# INTERESTING GOLD TARGET ON ADJACENT NORTH PEAK PROPERTY

## HISTORIC HOMESTAKE DRILL HOLE – HRH1725

Historic Drill Hole HRH1725 Drilled by Homestake Mining Returned 4.1 G/T AU Over 10.7M & 1.6 G/T Au/16.8M



- This drill hole is located less than 100 metres from the western GLM claim boundary
- North Peak will re-drill this hole in an upcoming drill program and cite this target as one of their high-priority drill targets
- The drill intercept coincides closely with a moderate strength IP anomaly (green colour) on the adjacent map
- Interesting that the northeast-trending IP anomaly closely associated with this drill intercept trends onto GLM's Jewel Ridge property
- This IP anomaly has not been drill tested on the Jewel Ridge property

# JEWEL RIDGE

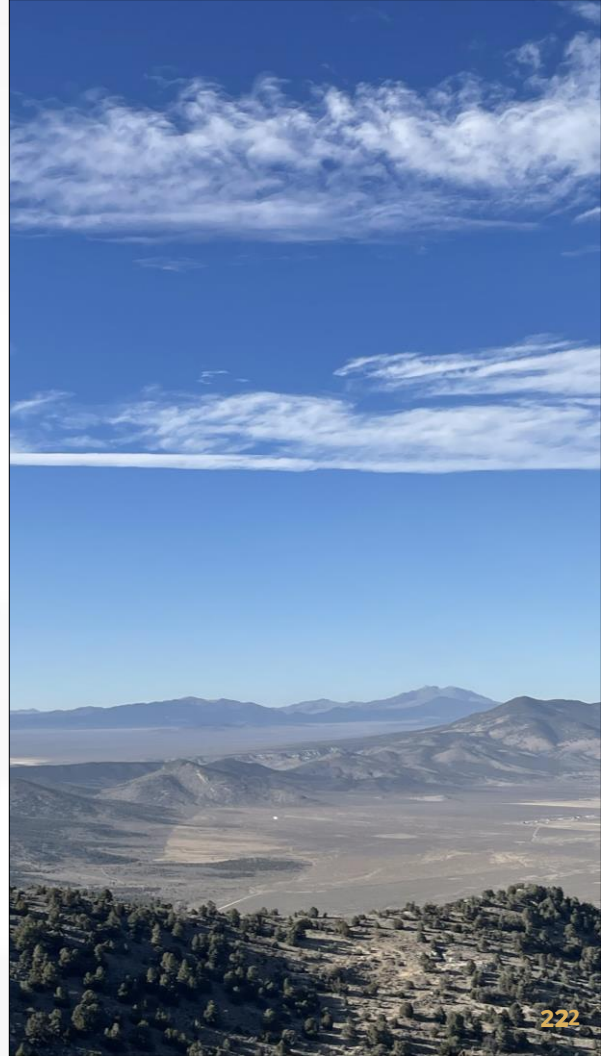
## GEOPHYSICAL TARGET SUMMARY

Several quality target areas were defined by the geophysical surveys in combination with legacy drilling and exploration data supplementing them

Many of the targets defined and supplemented by the geophysical surveys are at significant depth (300M below surface) & beyond the current depths of drilling completed at Jewel Ridge

### Anticipated 2024 Spring drill program

ITEM	DETAILS	AMOUNT
Plan of Operations	Reclamation Costs for Upcoming Exploration Programs	\$180,000
Diamond Drilling	2,000 metres @ \$300/metre (all- in)	\$500,000
Subtotal		\$680,000
Contingency	At 10%	\$68,000
<b>GRAND TOTAL</b>		<b>\$748,000</b>



# MANAGEMENT & DIRECTORS

## **MICHAEL ENGLAND** **CEO, PRESIDENT & DIRECTOR**

Mr. England has been involved in the public markets since 1983, beginning his career working at the Vancouver Stock Exchange as a floor trader. Since 1995, Mr. England has been directly involved with public companies in various roles, including investor relations, directorships and senior officer positions. To date, Mr. England has been directly responsible for raising in excess of \$60-million for mineral exploration and acquisitions.

## **PETER MAH** **DIRECTOR**

Peter is a mining engineer with 30 years of global mining industry experience. Most recently Mr. Mah served as COO of McEwen Mining Inc. and has a proven track record of building, transitioning and operating mines.

## **JAY SUJIR** **DIRECTOR**

Jay has been a mining and securities lawyer in Vancouver for over 30 years. He is currently a partner at the firm Farris LLP and is a director of several publicly traded natural resource companies.

## **DON HOY** **VP EXPLORATION**

Don Hoy is a Professional Geoscientist in Ontario and brings over 30 years of experience, acting in both technical and senior management capacities, for junior and major mining companies. During his tenure with Freewest Resources Canada Inc., he was a recipient of the Prospectors and Developers Association of Canada 2009 Bill Dennis Award, as 1 of 5 persons credited with the 'Ring of Fire' discoveries in northern Ontario.

## **JOHN HINER** **DIRECTOR**

John has an exploration history of over 45 years with several junior and major mining companies to explore for geothermal energy, precious metals and industrial minerals.

## **JOHN MASTERS** **CFO & CORPORATE SECRETARY**

John has served as Director, CFO and Secretary in numerous public companies primarily in the junior mining industry giving him a diverse knowledge base in the administration field.

# ADVISORY BOARD

## **ROBERT WEICKER** **CHIEF TECHNICAL ADVISOR**

Entrepreneur geologist; Former chief geologist at the largest gold mine in Canada; Extensive international experience.

## **RICHARD REID** **DIRECTOR**

Senior geologist with over 42 years of experience working for major mining companies; Most recent with senior position with Newmont in Elko, NV.

## **THOMAS OBRADOVICH** **TECHNICAL ADVISOR**

Has over 35 years experience; Important role with Aurelian Resources (acquired by Kinross Gold Mines for \$1.2 billion in 2008).

## **ARNIE POLLMER** **TECHNICAL ADVISOR**

Geologist with more than 40 years experience, including specific knowledge and expertise related to the Copperview South property through his role as mine geologist and exploration manager for 5 years with Brenda Mines Ltd.

## **ALLAN BARRY LABOUCAN** **DIGITAL MARKETING & CORPORATE DEVELOPMENT**

Allan Barry Laboucan began his career in mining in 1993, originally with his consulting services for corporate development, strategic planning and digital marketing to public companies. His reports are well respected with an excellent audience of avid viewers.



# CAPITALIZATION

83,228,847

SHARES OUTSTANDING

29,281,701

WARRANTS

4,800,000

OPTIONS

EXPIRY	PRICE	QUANTITY	POTENTIAL FUNDS
March 5, 2025	\$0.25	11,172,701	\$2,793,175



**GOLDEN LAKE**  
EXPLORATION INC.

CSE GLM OTC GOLXF

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