



# Exploration Done Differently

August 31, 2022

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Corporate Deck

TSX-V: RDG | OTCQB: RDGMF |  
FRA: OGC0



## CAUTIONARY STATEMENT

# Disclaimer

### Forward Looking Statements

*Statements contained in this presentation that are not historical facts are “forward-looking information” or “forward-looking statements” (collectively, “Forward-Looking Information”) within the meaning of applicable Canadian securities legislation and the United States Private Securities Litigation Reform Act of 1995. Forward-Looking Information includes, but is not limited to, the anticipated benefits of the Earn-In Agreement and the transaction contemplated thereby. The words “potential”, “anticipate”, “meaningful”, “discovery”, “forecast”, “believe”, “estimate”, “expect”, “may”, “will”, “project”, “plan”, “historical”, “historic” and similar expressions are intended to be among the statements that identify Forward-Looking Information. Forward-Looking Information involves known and unknown risks, uncertainties and other factors which may cause the actual results to be materially different from any future results expressed or implied by the Forward-Looking Information. In preparing the Forward-Looking Information in this presentation, Ridgeline has applied several material assumptions, including, but not limited to, assumptions that TSX Venture Exchange approval will be granted in a timely manner subject only to standard conditions; the current objectives concerning the Project can be achieved and that its other corporate activities will proceed as expected; that general business and economic conditions will not change in a materially adverse manner; and that all requisite information will be available in a timely manner. Forward-Looking Information involves known and unknown risks, uncertainties and other factors which may cause the actual results, performance, or achievements of Ridgeline to be materially different from any future results, performance or achievements expressed or implied by the Forward-Looking Information. Such risks and other factors include, among others, risks related to dependence on key personnel; risks related to unforeseen delays; risks related to historical data that has not been verified by the Company; as well as those factors discussed in Ridgeline's public disclosure record. Although Ridgeline has attempted to identify important factors that could affect Ridgeline and may cause actual actions, events, or results to differ materially from those described in Forward-Looking Information, there may be other factors that cause actions, events or results not to be as anticipated, estimated or intended. There can be no assurance that Forward-Looking Information will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Accordingly, readers should not place undue reliance on Forward-Looking Information. Except as required by law, Ridgeline does not assume any obligation to release publicly any revisions to Forward-Looking Information contained in this news release to reflect events or circumstances after the date hereof or to reflect the occurrence of unanticipated events.*

**Qualified Persons.** Michael Harp, CPG., Vice President, Exploration, is the Qualified Person as defined by National Instrument 43-101 and has reviewed and approved the technical data in this presentation.

#### Footnotes:

(1) Adjacent Properties. This presentation contains information about adjacent properties on which Ridgeline Minerals does not have the right to explore or mine. Investors are cautioned that mineralization on adjacent properties is not necessarily indicative of mineralization that may be hosted on the Company's properties.

(2) Readers are cautioned that the exploration targets at the Carlin-East, Swift, Bell Creek, Selena and Robber Gulch properties are early-stage exploration prospects and conceptual in nature. There has been insufficient exploration to define a mineral resource and it is uncertain if further exploration will result in the target being delineated as a mineral resource.

(3) Historical information contained in this presentation, maps or figures regarding the Company's project or adjacent properties cannot be relied upon as the Company's QP, as defined under NI 43-101 has not prepared nor verified the historical information.

(4) Source: Fraser Institute Annual Survey of Mining Companies 2018. Investment Attractiveness Index weights both policy perception (taxation levels, onerous regulations, quality of infrastructure, etc.) and mineral potential (40% / 60%) of 83 countries and provinces/states

(5) Source: Barrick Gold Quarterly Reporting: [https://s25.q4cdn.com/322814910/files/doc\\_presentations/2021/Barrick-Q4-2020-Results-Presentation.pdf](https://s25.q4cdn.com/322814910/files/doc_presentations/2021/Barrick-Q4-2020-Results-Presentation.pdf)

(6) Source: Quaterra Resources Inc. Website: [https://quaterra.com/wp-content/uploads/qta\\_by\\_web\\_0624.pdf](https://quaterra.com/wp-content/uploads/qta_by_web_0624.pdf)

(7) Source: Barrick Gold Q3 2021 Quarterly Reporting [https://s25.q4cdn.com/322814910/files/doc\\_presentations/2021/11/Barrick\\_Q3\\_2021\\_Results\\_Presentation.pdf](https://s25.q4cdn.com/322814910/files/doc_presentations/2021/11/Barrick_Q3_2021_Results_Presentation.pdf)

(8) Exvenco Resources Inc., 1986, Internal Report on Artesian City Project, Cassia County, Idaho.

(10) See Barrick Gold Quarterly Reporting: <https://www.barrick.com/English/news/news-details/2022/reserves-grow-net-of-depletion-as-barrick-focus-on-quality-orebodies-delivers-results/default.aspx>

(11) See Barrick Gold Quarterly Reporting: <https://www.barrick.com/English/news/news-details/2022/q4-2021-results/default.aspx>

(12) See South32 Feasibility Study (2022) <https://www.south32.net/our-business/exploration-projects/hermosa>

(13) See Reyna Silver Presentation (2020) <https://reynasilver.com/presentations/GuiguiProject.pdf>

(14) See Mag Silver Annual Information Form (2016) <https://magsilver.com/site/assets/files/4659/aif2015.pdf>

## ABOUT US

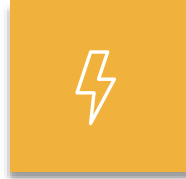
# Ridgeline Minerals

Ridgeline is a Western US focused Gold-Silver explorer with a portfolio of **five** highly prospective exploration projects in **Nevada** and **Idaho** and a partnership with **Nevada Gold Mines (NGM)**



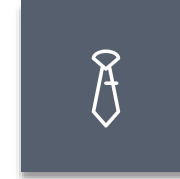
### WORLD-CLASS LOCATION

Nevada & Idaho – 163km<sup>2</sup> exploration portfolio in two of the top ranked mining jurisdictions in the world<sup>(4)</sup>



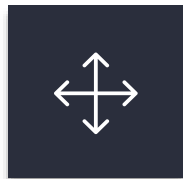
### CRD DISCOVERY

100% owned Selena silver-gold-lead-zinc discovery – Significant growth potential



### US\$30M NGM EARN-IN

US\$30M earn-in agreement at the Swift project highlights Tier-1 discovery potential



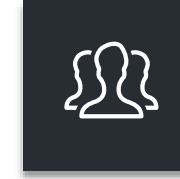
### STRATEGIC HOLDINGS

Bell Creek and Carlin-East projects strategically positioned adjacent to high-grade NGM resources



### PROVEN TRACK RECORD

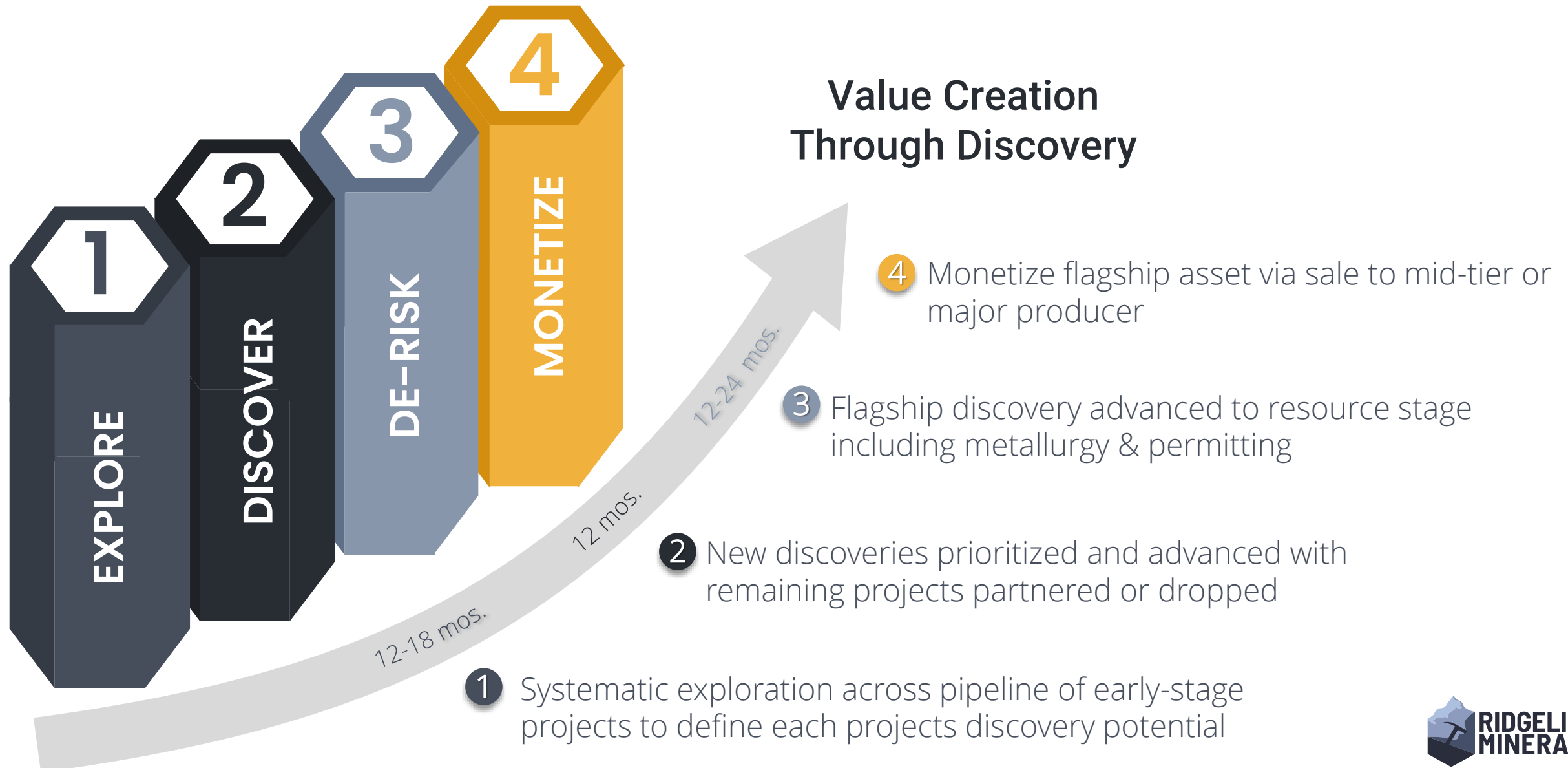
Team responsible for 50+ Moz of global gold discoveries over the past 30 years



### SHAREHOLDER FRIENDLY STRUCTURE

Tight share float with 15% management ownership

# Business Model



## DIVERSIFIED PROJECT PIPELINE

# Strategy

## FLAGSHIP DISCOVERY

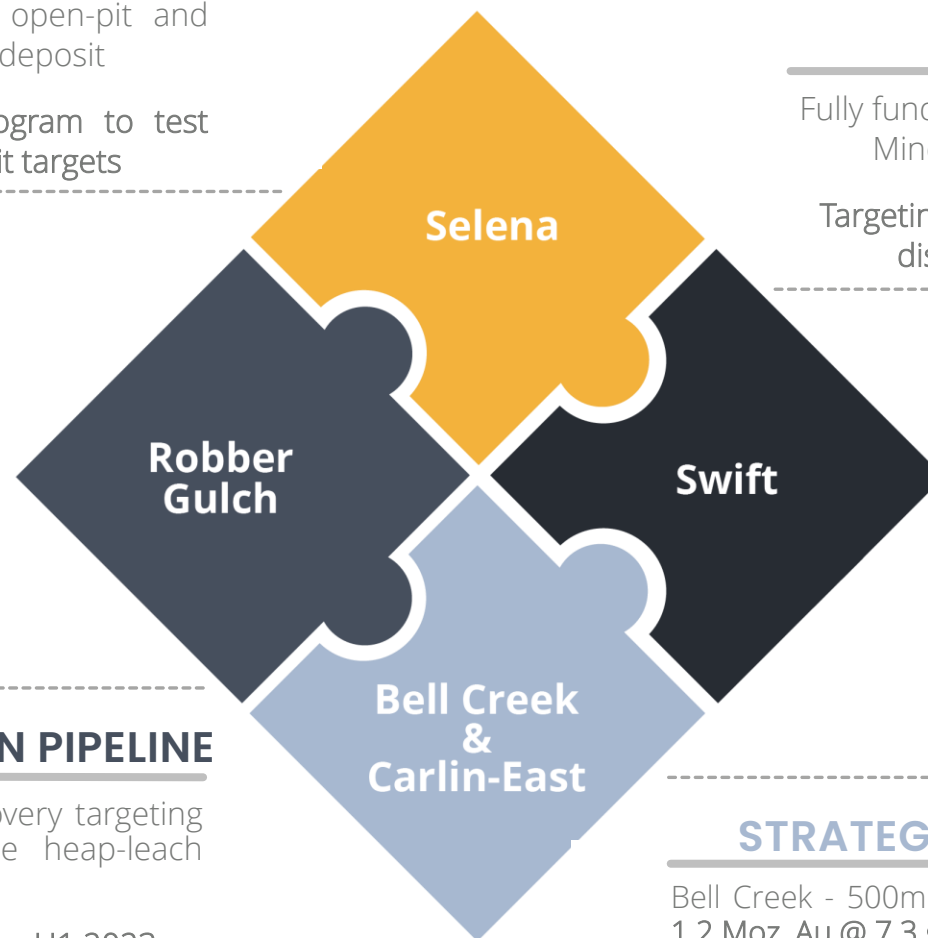
Targeting a large open-pit and underground CRD deposit

Q3 2022 drill program to test high-grade open-pit targets

## TIER-1 ASSET

Fully funded by Nevada Gold Mines US \$30M earn-in

Targeting a high-grade gold discovery (>5M oz Au)



## EXPLORATION PIPELINE

Proven oxide discovery targeting a 1.0Moz + oxide heap-leach gold deposit

Maiden drill program H1 2023

## STRATEGIC HOLDINGS

Bell Creek - 500m from Ren resource: 1.2 Moz. Au @ 7.3 g/t<sup>(10)</sup>

Carlin-East - On-strike of North Leeville resource: 0.7Moz Au @ 11.5g/t<sup>(10)</sup>

ALIGNED WITH SHAREHOLDERS

# Capital Structure

6

*As at August 1, 2022*

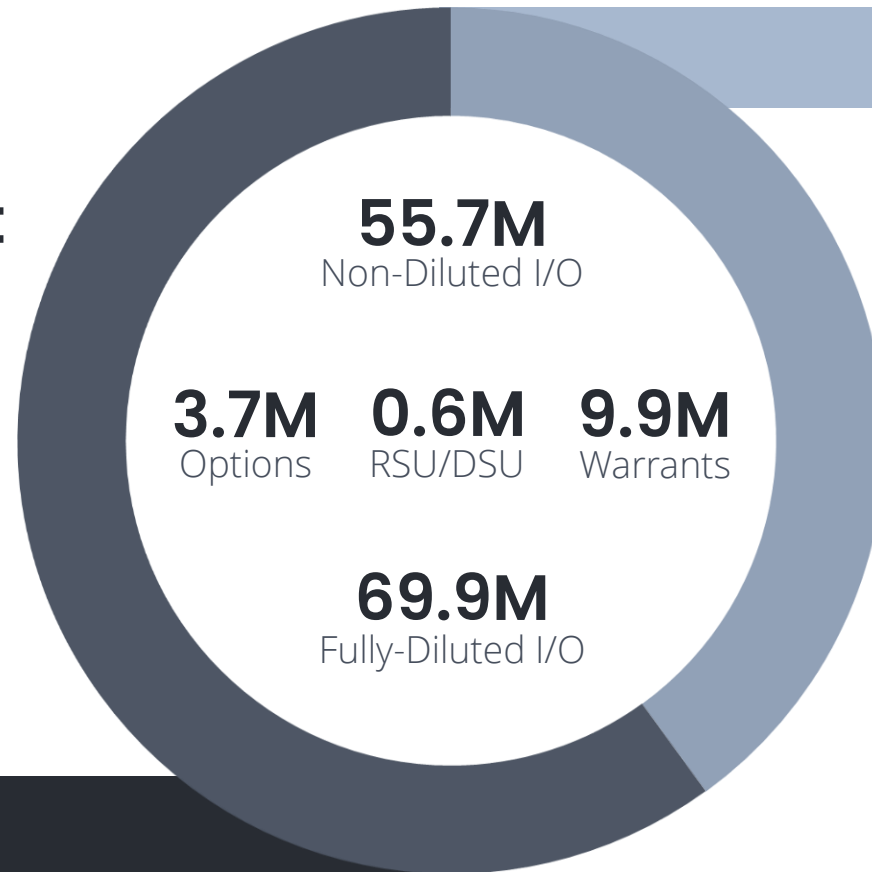


## 15% Management

- Chad Peters – 6.8%



**Cash ~ C\$1.0M**



## Top 5 Shareholders

- EMX Royalty Corp.
- Stephens Investment Mgmt.
- Chad Peters (co-founder)
- Vior Inc.
- Steve Neilsen (co-founder)

TSX-V: RDG | OTCQB: RDGMF | FRA: OGC0

# Management Team



**Chad Peters B.Sc., P.Geo**  
*President, CEO & Director*

- Led multi-million-ounce high-grade CSD Gap discovery in Nevada
- Discovered 10+ Moz of gold in Canada & the US with Premier Gold Mines prior to founding Ridgeline



**Duane Lo CPA (CA)**  
*CFO & Director*

- 20+ years of international accounting & financial management experience for various public companies
- Current CFO of Entrée Resources and former CFO of Mason Resources



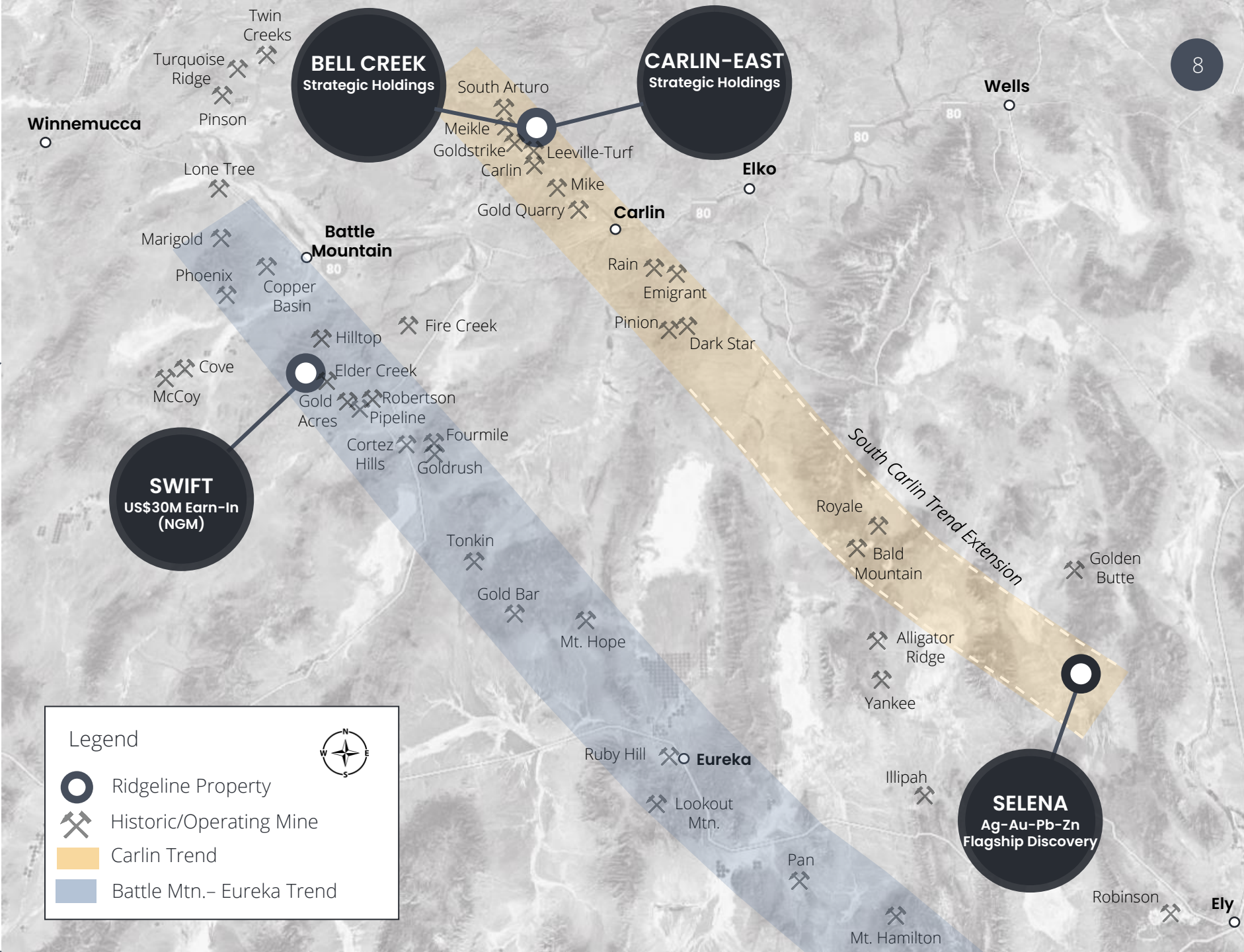
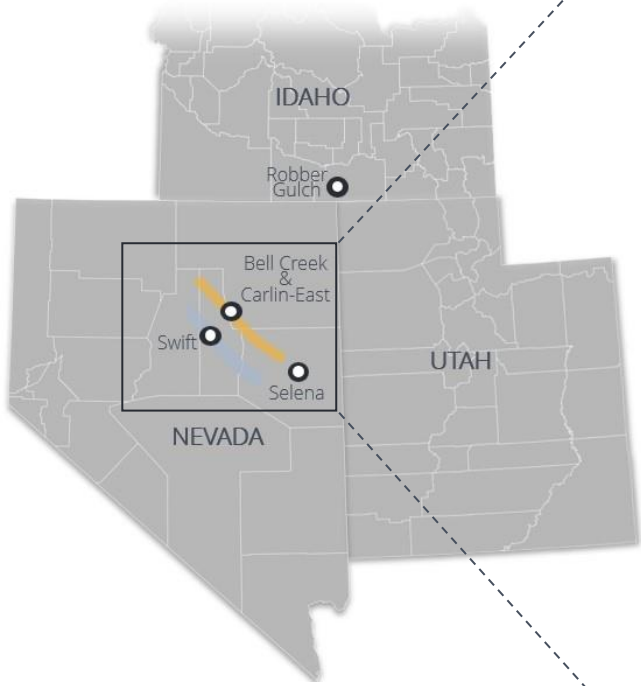
**Mike Harp M.Sc., CPG**  
*Vice President, Exploration*

- Led multi-million-ounce North Dark Star discovery with Gold Standard Ventures
- 10+ years exploration experience in Nevada

CORE LAND POSITIONS

5 Projects

163km<sup>2</sup> Exploration Portfolio  
in Nevada & Idaho



## NEVADA PROJECTS

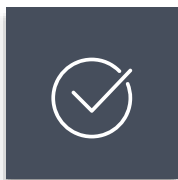
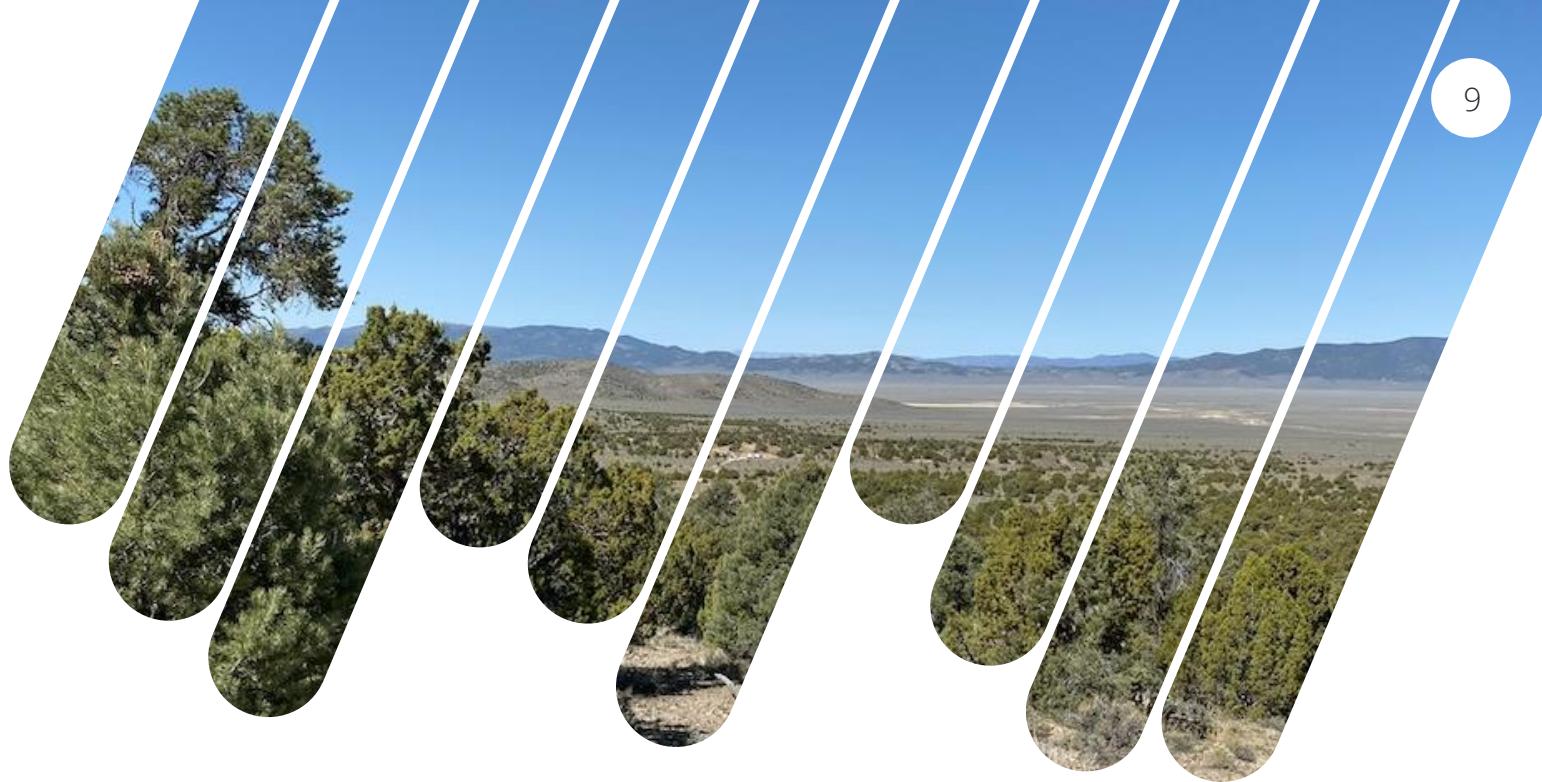
# Selena

39 km<sup>2</sup> Land Package

Carbonate Replacement Ag-Au-Pb-Zn

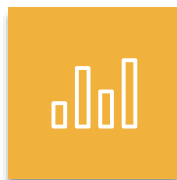
**VERIFY**

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### 100% OWNED

39km<sup>2</sup> land package 25km southeast of Bald Mountain Mine (Kinross)



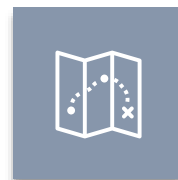
### HIGH-GRADE

Juniper Zone

- 7.7m @ 725.2 g/t Ag, 1.5 g/t Au, 1.3% Pb, 0.9% Zn in LB-072

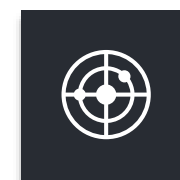
Chinchilla Zone

- 4.6m @ 421 g/t Ag, 0.6 g/t Au, 4.4% Pb, 3.7% Zn in SE21-024



### THE OPPORTUNITY

Define a large open-pit and underground CRD deposit (deposit analogues include Hermosa-Taylor, Cinco De Mayo, Santa Eulalia)



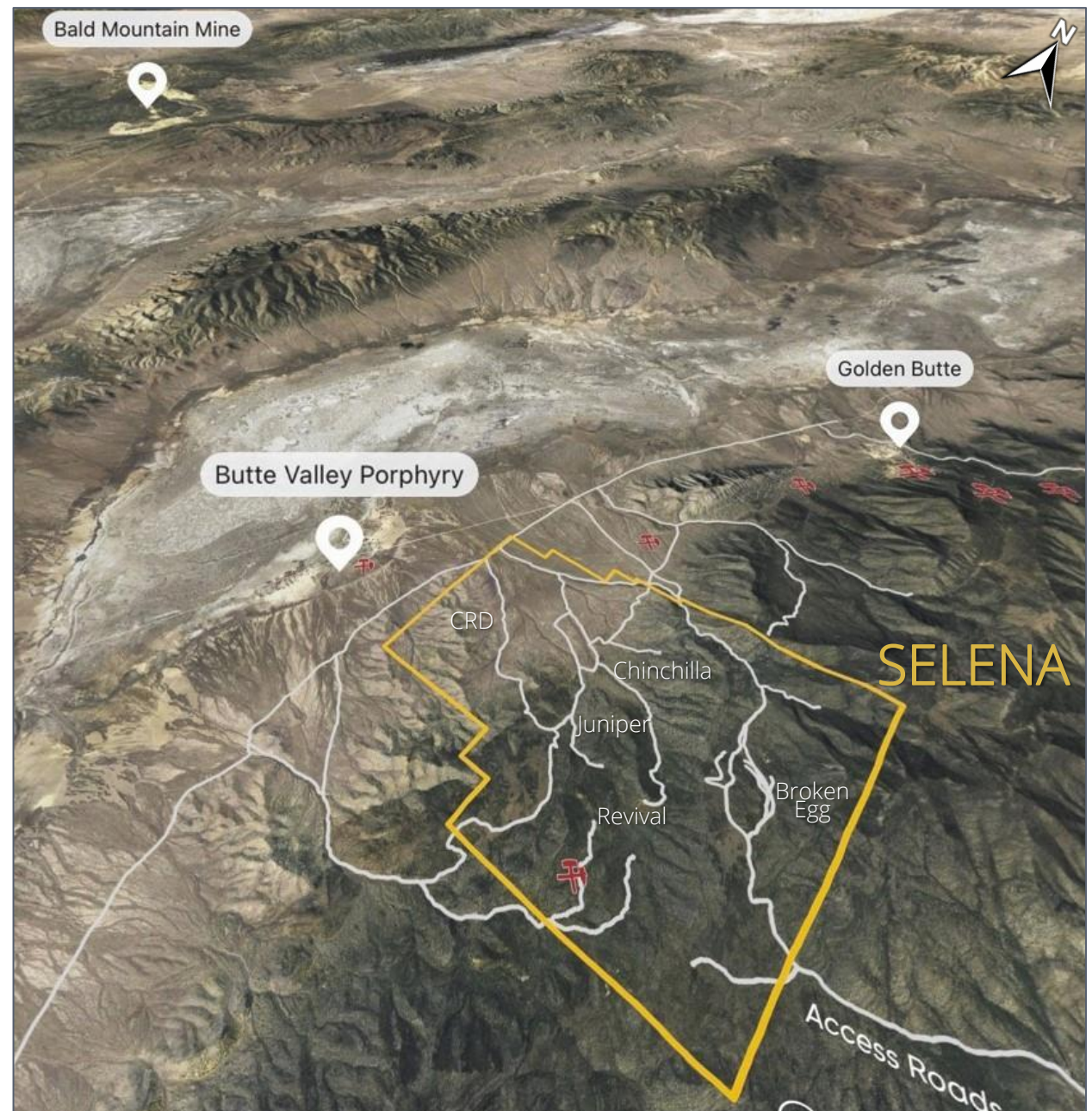
### 2022 OBJECTIVE

- Test CRD Target (Q2) - Complete
- Q3 Core Program - Pending

SELENA

## District-Scale Property

- 39km<sup>2</sup> contiguous land package in the historic Limousine Butte mining district in Nevada
- Multiple 1+ Moz. open-pit gold deposits in the area including the Bald Mountain mine (Kinross)
- Project was historically explored for Au-Ag but never recognized as a Ag-Au-Pb-Zn Carbonate Replacement Deposit (CRD) until now



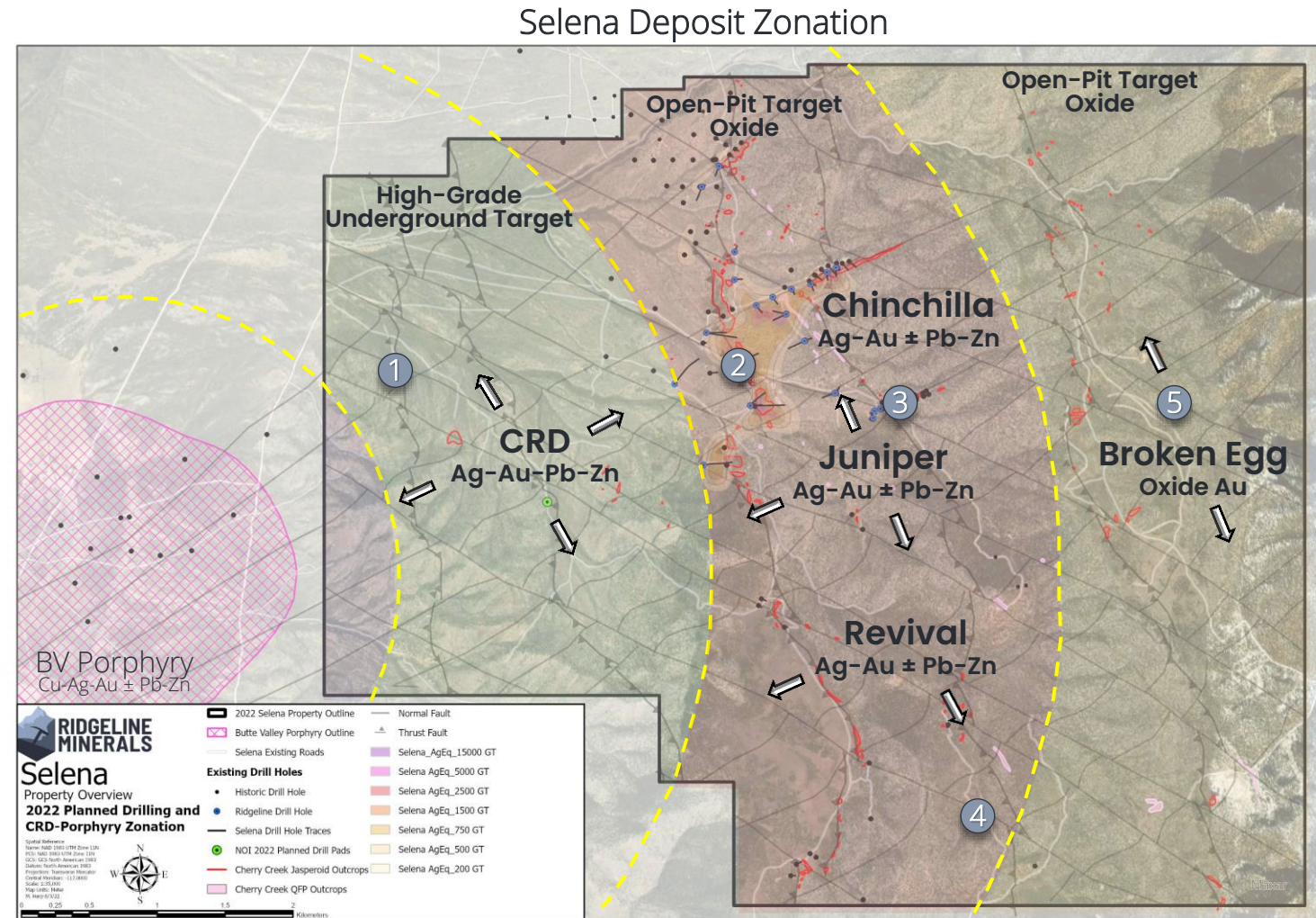
## SELENA

# Deposit Zonation

- Selena exhibits classic CRD zonation over ~8km of strike between Butte Valley (BV) Porphyry and Broken Egg
- 3 drill-confirmed deposit types across 5 mineralized zones

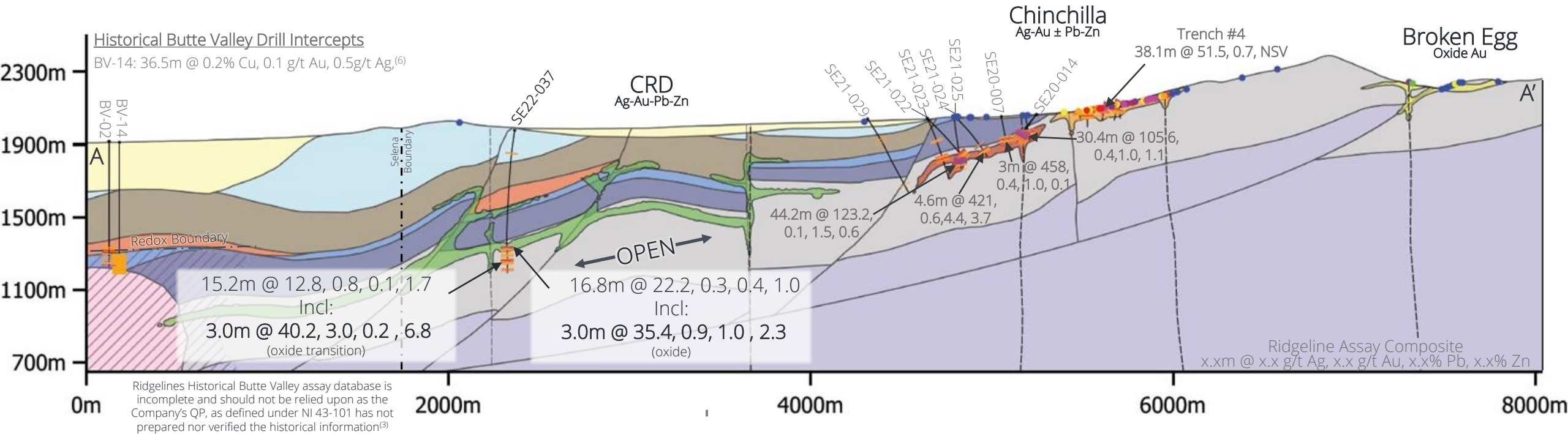
## Highlight Drill Intercepts By Target

- 3.0m @ 40.2 g/t Ag, 3.0 g/t Au, 0.2% Pb, 6.8% Zn - SE22-037
- 4.6m @ 421.0 g/t Ag, 0.6 g/t Au, 4.4% Pb, 3.7% Zn (SE21-024)  
44.2m @ 123.2 g/t Ag, 0.1 g/t Au, 1.5% Pb, 0.6% Zn (SE21-025)
- 7.7m @ 725.2 g/t Ag, 1.5 g/t Au, 1.3% Pb, 0.9% Zn (LB-072)  
3.0m @ 96.1 g/t Ag, 1.1 g/t Au, 0.1% Pb, 0.3% Zn (SEBP-002)
- 3.0m @ 0.3 g/t Au (LIM-69, gold assays only)
- 0.9m @ 2.4 g/t Au (SEBP-001, backpack drill hole)



## SELENA

## Chinchilla Schematic Long Section A-A'

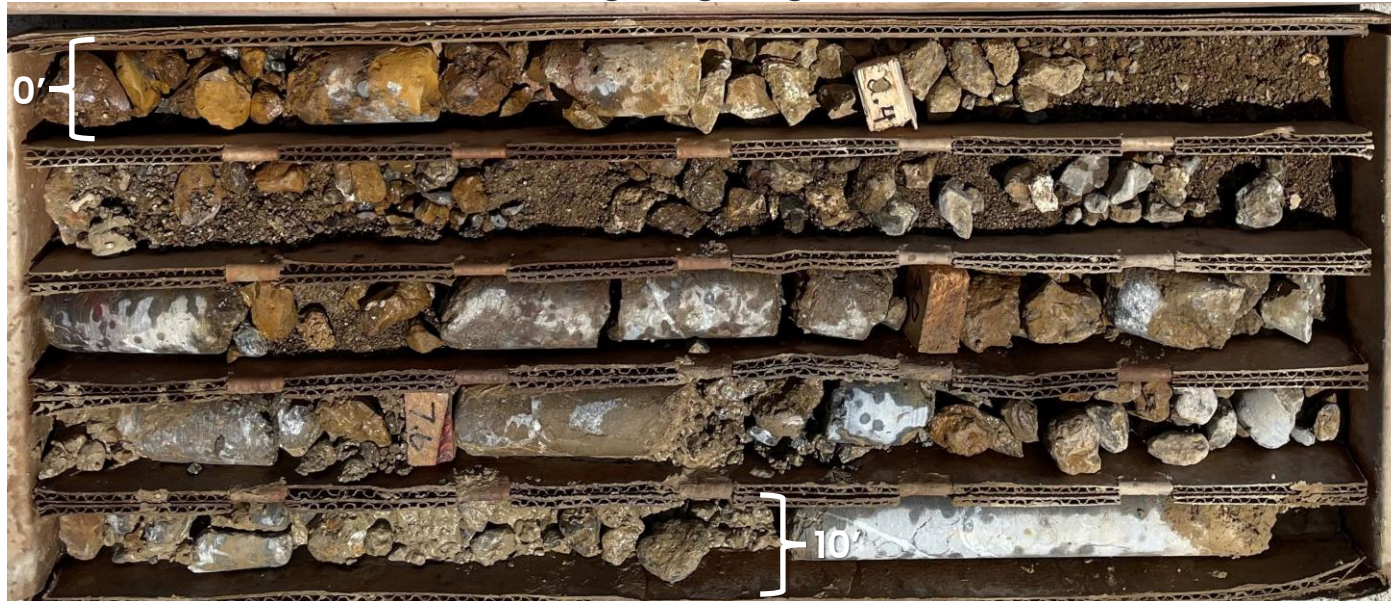


SELENA

## Backpack Drill Rig

- Operated by Ridgeline geologists in conjunction with portable XRF for real-time results (samples also submitted for lab analysis)
- Low-cost exploration tool that bridges the gap between surface sampling/mapping and traditional drilling

**SEBP-002 (Juniper)**  
**0-3.0m (10ft.) @ 94.7 g/t Ag, 1.1 g/t Au, 0.1% Pb, 0.3% Zn**



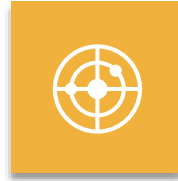
SELENA

# 2022 Exploration Program



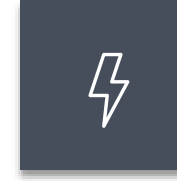
## Q2 2022

- May-June: CRD Target confirmed with both holes (SE22-037 & 038)



## Q3 2022

- Backpack drilling at Juniper, Broken Egg & Revival
- Follow-up core drill program (10-12 shallow holes)



## Q4 2022

- Assay results from Q3 drill program

## Growth Catalysts

- Ridgeline exploration to-date suggests Selena has the potential scale and grade to host a large Ag-Au-Pb-Zn Carbonate Replacement Deposit (CRD)
  - Drilling to-date supports a potential mix of open-pit and underground targets across multiple deposit types
  - Potential analogues include the Hermosa-Taylor (South32) and Cinco De Mayo (Mag Silver) deposits
- Q3 2022 drilling will target shallow, high-grade Ag-Au at the Juniper, Broken Egg and Chinchilla targets
  - 200 acre Plan of Operations (BLM) drill permit pending (Q2, 2023) at Chinchilla, CRD & Juniper

## NEVADA PROJECTS

# Swift

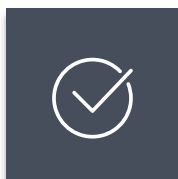
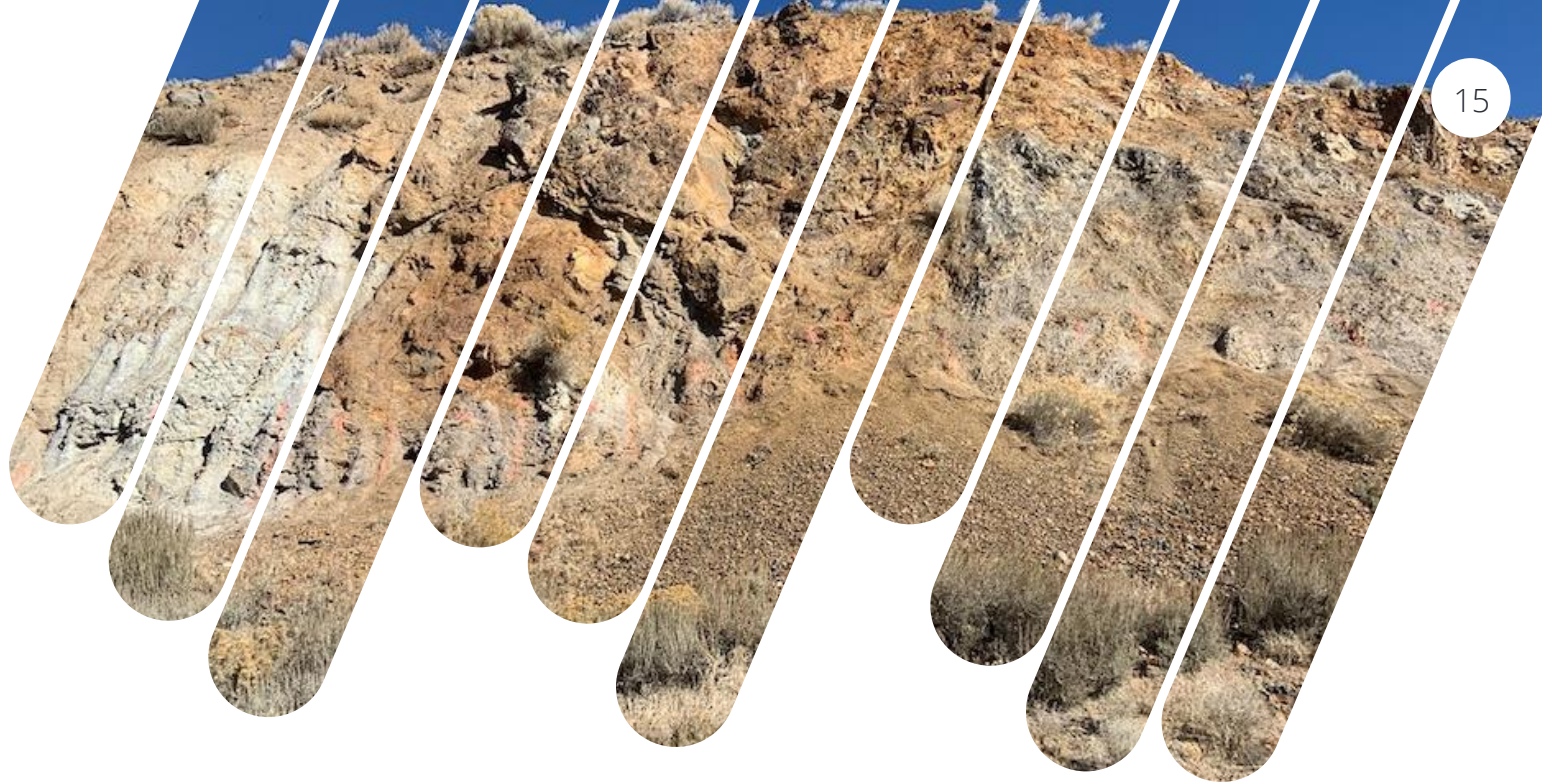
## Optioned – Nevada Gold Mines (NGM)

75 km<sup>2</sup> Land Package

Carlin- Type Au ± Ag

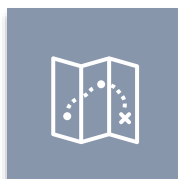
**VERIFY**

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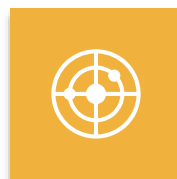
### NGM EARN-IN

US \$30M earn-in agreement signed with NGM ([09-22-2021 PR](#))



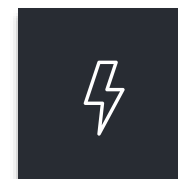
### LOCATION

District-scale land package on the Cortez Trend. ~7km NW of the Nevada Gold Mines owned Cortez Complex<sup>(1)</sup>



### THE OPPORTUNITY

NGM targeting a 5+ Moz high-grade Au deposit. Earn-in validates Tier-1 discovery potential



### 2022 OBJECTIVE

- SW21-001 (DDH) returned 9.1m @ 0.51 g/t Au starting at 8.5m
- Phase II NGM drill program commenced August 2022

SWIFT

## Nevada Gold Mines Earn-In

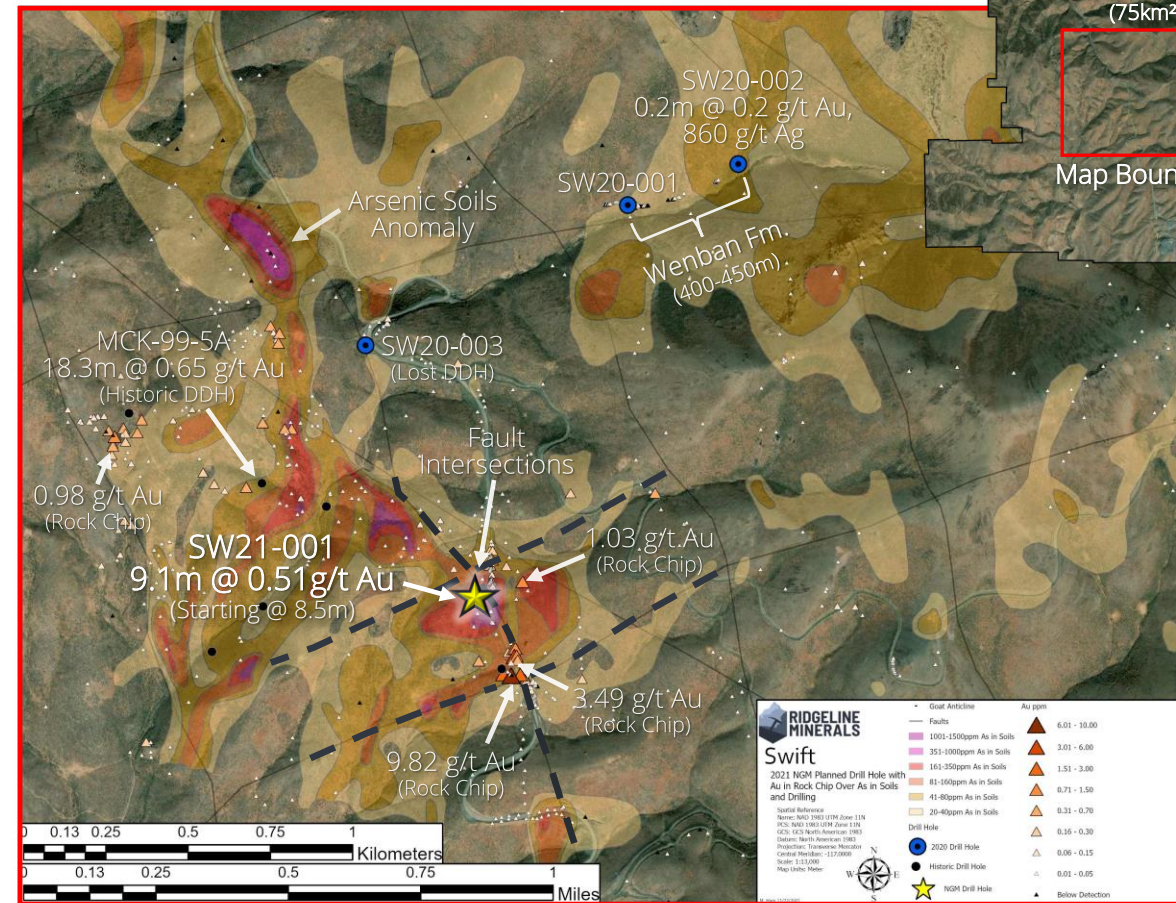
- Partnering with NGM at Swift eliminates the high exploration risk and cost associated with deep drilling
- Deal structure provides Ridgeline with exposure to Swift across all levels of project development with zero corporate dilution
- 3-5 hole wide-spaced framework drill program planned at Swift in Q3 2022



To view the September 22, 2021, Press Release click [HERE](#)

SWIFT

# NGM Drill Program



First NGM drillhole SW2-01 (~900m) targeted Wenban fm. Host rocks at the projection of Au bearing faults intersections at depth

Phase II Framework program commenced August 2022

## NEVADA PROJECTS

# Bell Creek

5 km<sup>2</sup> Carlin Trend Land Package

Carlin- Type Au ± Ag

**VERIFY**  
Click Here



### 100% OWNED

Lease with option to purchase 100% of the private mineral rights



### STRATEGIC LOCATION

Shared property boundary with the NGM owned Ren deposit resource boundary located ~500m west of Bell Creek



### THE OPPORTUNITY

Potential for extension of Ren Deposit (NGM) to extend onto Bell Creek. Ren resource 1.2 million ounces Au @ 7.3 g/t<sup>(10)</sup>



### 2022 OBJECTIVE

Assess potential for strategic exploration partnerships to advance project



## BELL CREEK

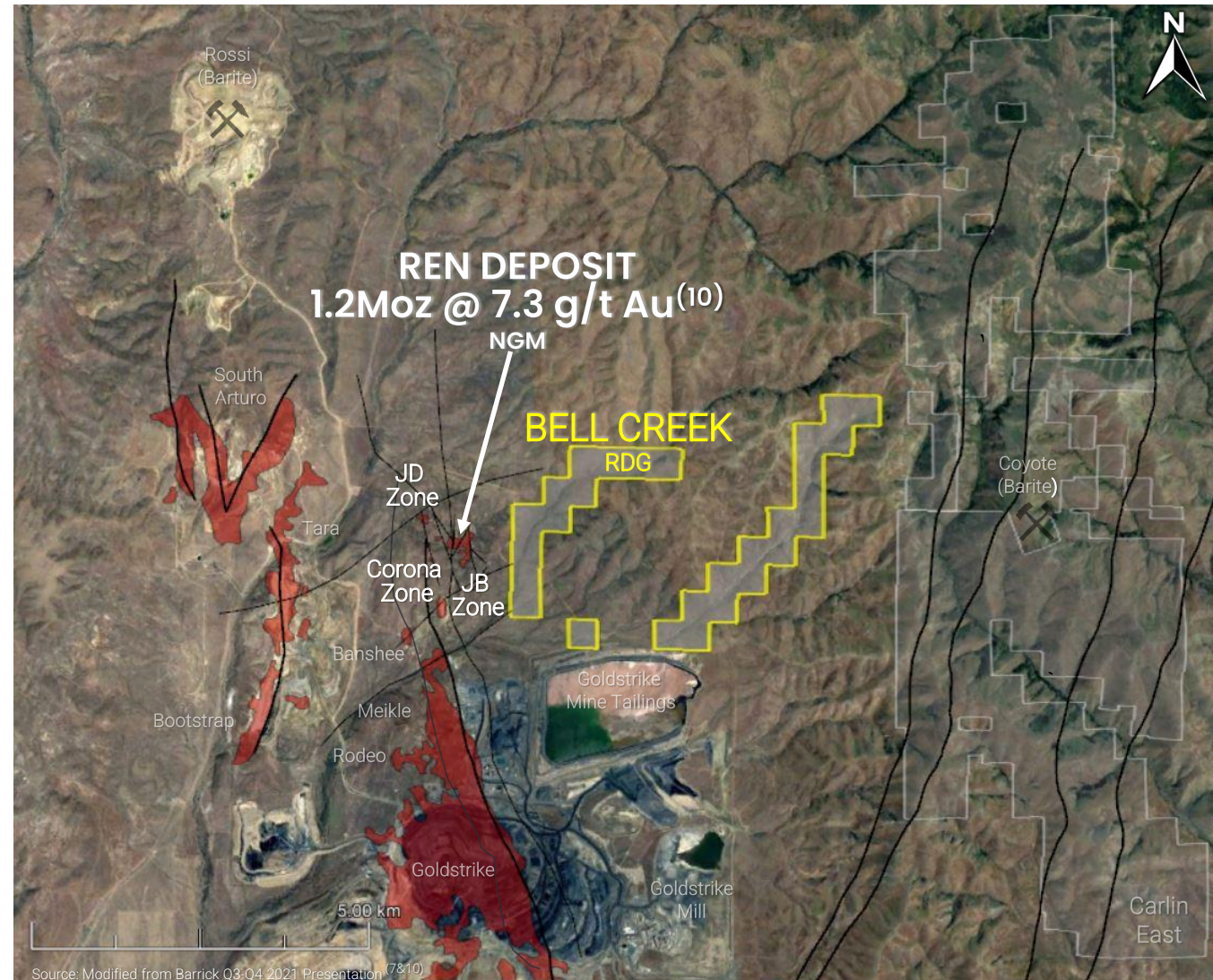
# Strategic Mineral Rights

- NGM announced maiden Ren Deposit resource on February 10, 2022, of 1.20Moz Au grading 7.3 g/t Au<sup>(10)</sup>
  - Bell Creek boundary located ~550m to the east of the proposed Ren resource

*“Both projects represent future growth for the Carlin complex and drilling continues on both targets, with mineralization open in all directions”*

*Barrick Quote - Ren and North Leeville maiden resources*

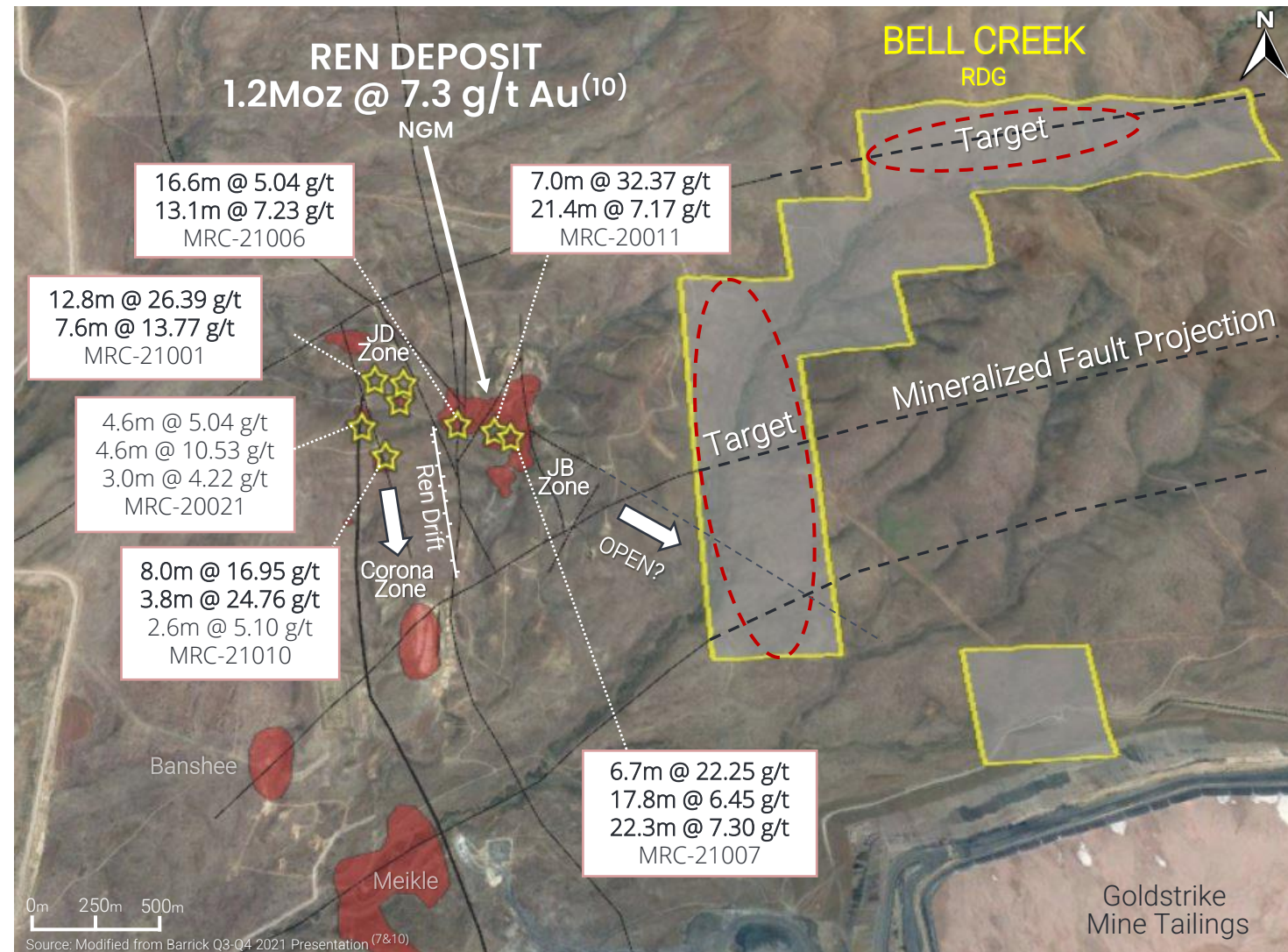
- Q2, 2022 results state that resource expansion expected along Corona and JB zones by year-end



## BELL CREEK

# Exploration Upside

- NGM Exploration drilling from the Ren underground drift is returning significant intercepts in the JD, Corona, and JB zones
  - 12.8m @ 26.39 g/t Au in MRC-21001
  - 7.0m @ 32.37 g/t Au in MRC-20011
- The NE projections of multiple mineralized fault zones cut across the Bell Creek property
  - Potential for additional high-grade mineralization along fault projections



## NEVADA PROJECTS

# Carlin-East

35 km<sup>2</sup> Carlin Trend Land Package

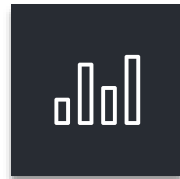
Carlin- Type Au ± Ag

**VERIFY**  
Click Here



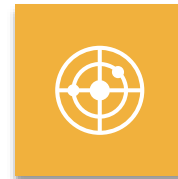
### 100% OWNED

100% owned land package in the heart of the Carlin Trend Carlin-East (BLM Claims)



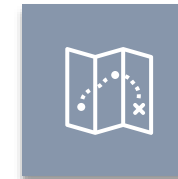
### STRATEGIC LOCATION

4km down-strike of the Leeville mine<sup>(1)</sup> and the North Leeville resource: **0.7 million ounces Au @ 11.5 g/t<sup>(10)</sup>**



### THE OPPORTUNITY

Significant discovery potential. Carlin-East is the largest land position on the North Carlin Trend not owned by NGM



### 2022 OBJECTIVE

Assess potential for strategic exploration partnerships to advance project

## CARLIN-EAST

# Strategic Location

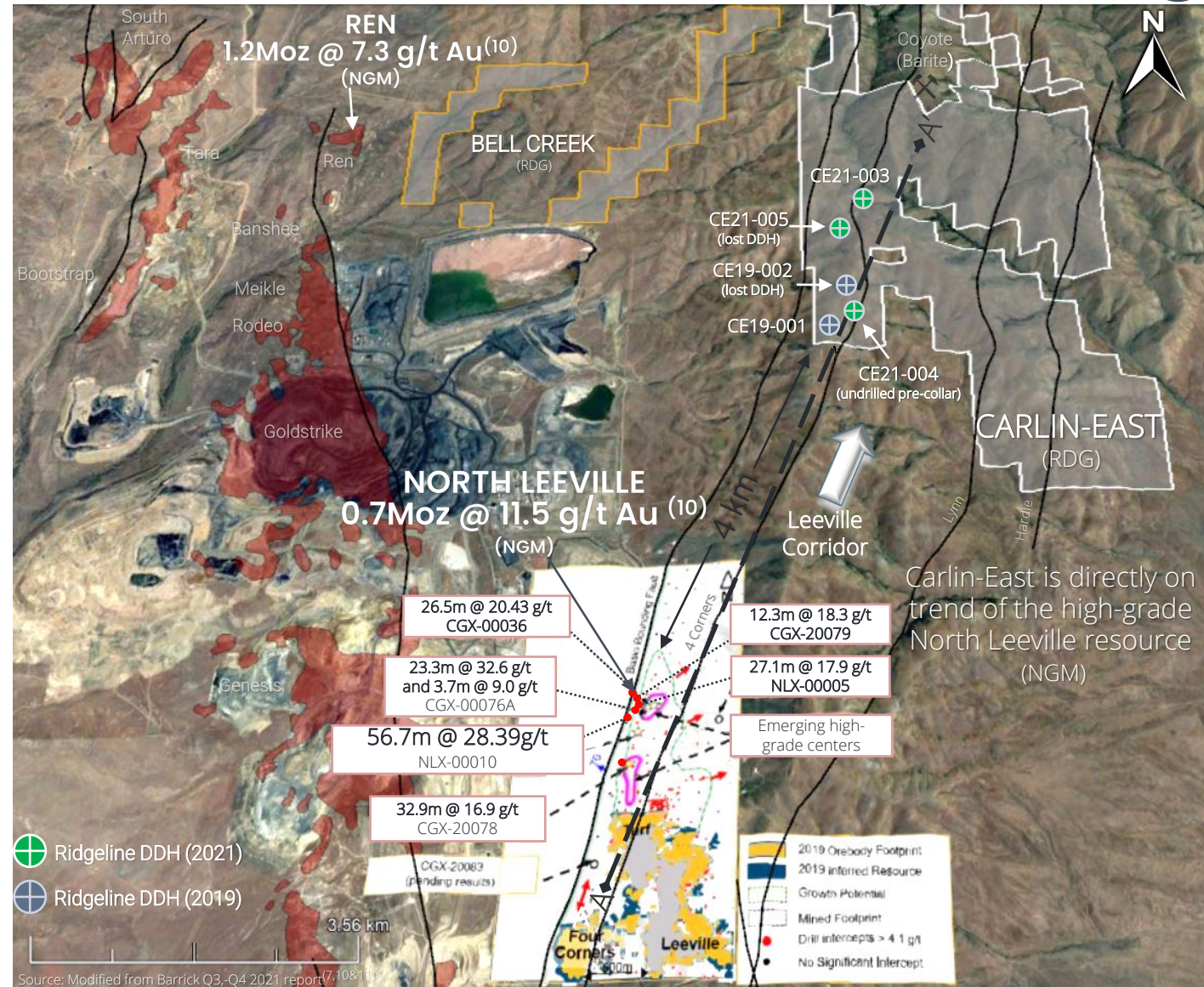
- Directly on-strike of NGM's high-grade maiden North Leeville resource of 0.7 Moz. Au @ 11.5 g/t<sup>(10)</sup>

## Highlight NGM Drill Intercepts

- 56.7m @ 28.39 g/t Au in NLX-00010<sup>(11)</sup>
- 23.3m @ 32.6 g/t Au in CGX-00076A<sup>(5)</sup>

"...successfully tested last year with a nine-hole drilling program that also delivered one of the best intercepts in the Carlin Trend's history:  
56.7m at 28.39g/t."

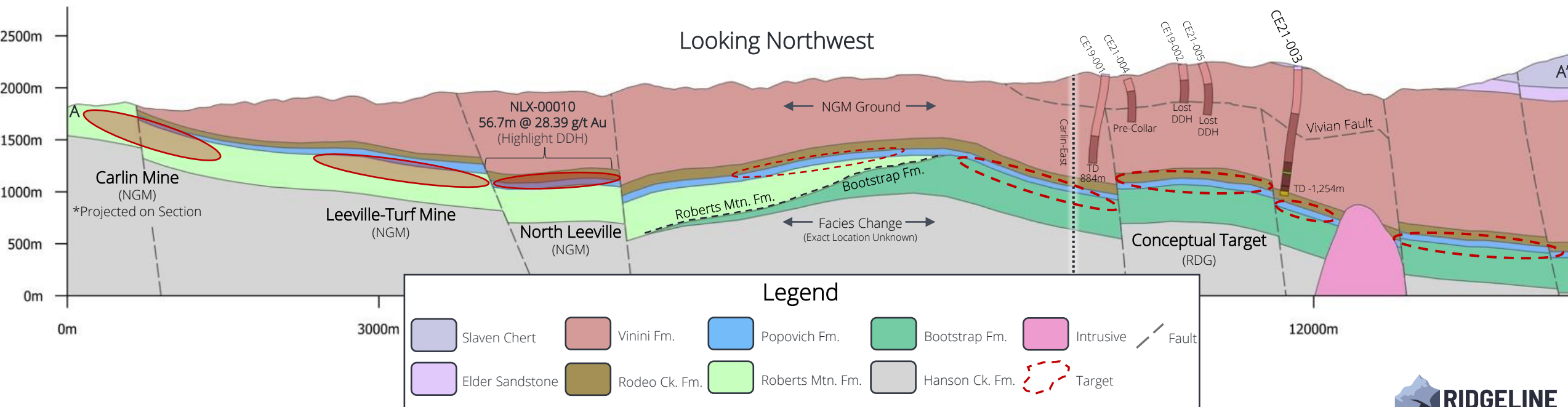
*Barrick Full Year 2021 Results - North Leeville<sup>(11)</sup>*



## CARLIN-EAST

# Leeville Schematic Long Section

- CE21-003 is interpreted to have drilled the deeper, down-dropped (hanging-wall) side of a major NW fault Zone
- Uplifted horst block beneath CE19-002, CE21-004 and CE21-005 exhibits the greatest potential to hit shallower Lower Plate (~1,000m vertical)
- Mineralization along Carlin and Leeville structural corridor gradually deepens to the north towards Carlin-East



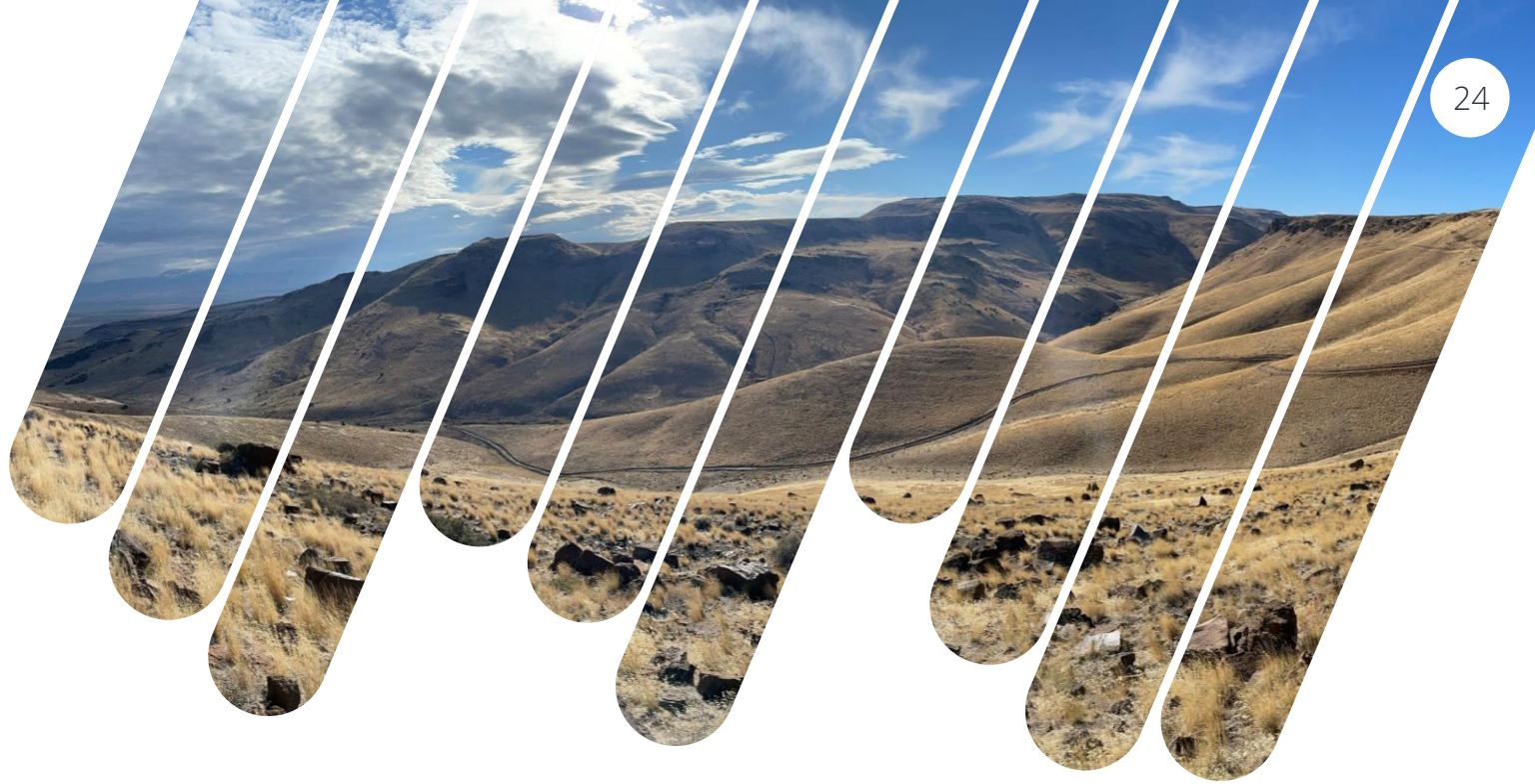
IDAHO PROJECT

# Robber Gulch

9 km<sup>2</sup> Land Package

Carlin-Type Oxide Open-Pit Au

**VERIFY**  
Click Here



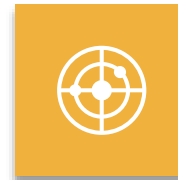
## 100% OWNED

Option to exercise 100% purchase option from underlying owner (EMX Royalty Corp.)



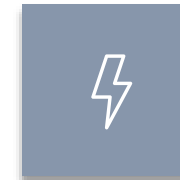
## EMERGING AU DISTRICT

32km southeast of Burley, Idaho and 88km northwest of Liberty Gold's Black Pine Deposit (3.0+ Moz Au)<sup>(1)</sup>



## THE OPPORTUNITY

Discover a 1 Moz. + shallow-oxide gold deposit



## 2022 OBJECTIVE

Q4 backpack drilling, mapping and prospecting to refine targets for 2023 maiden drill campaign

## ROBBER GULCH

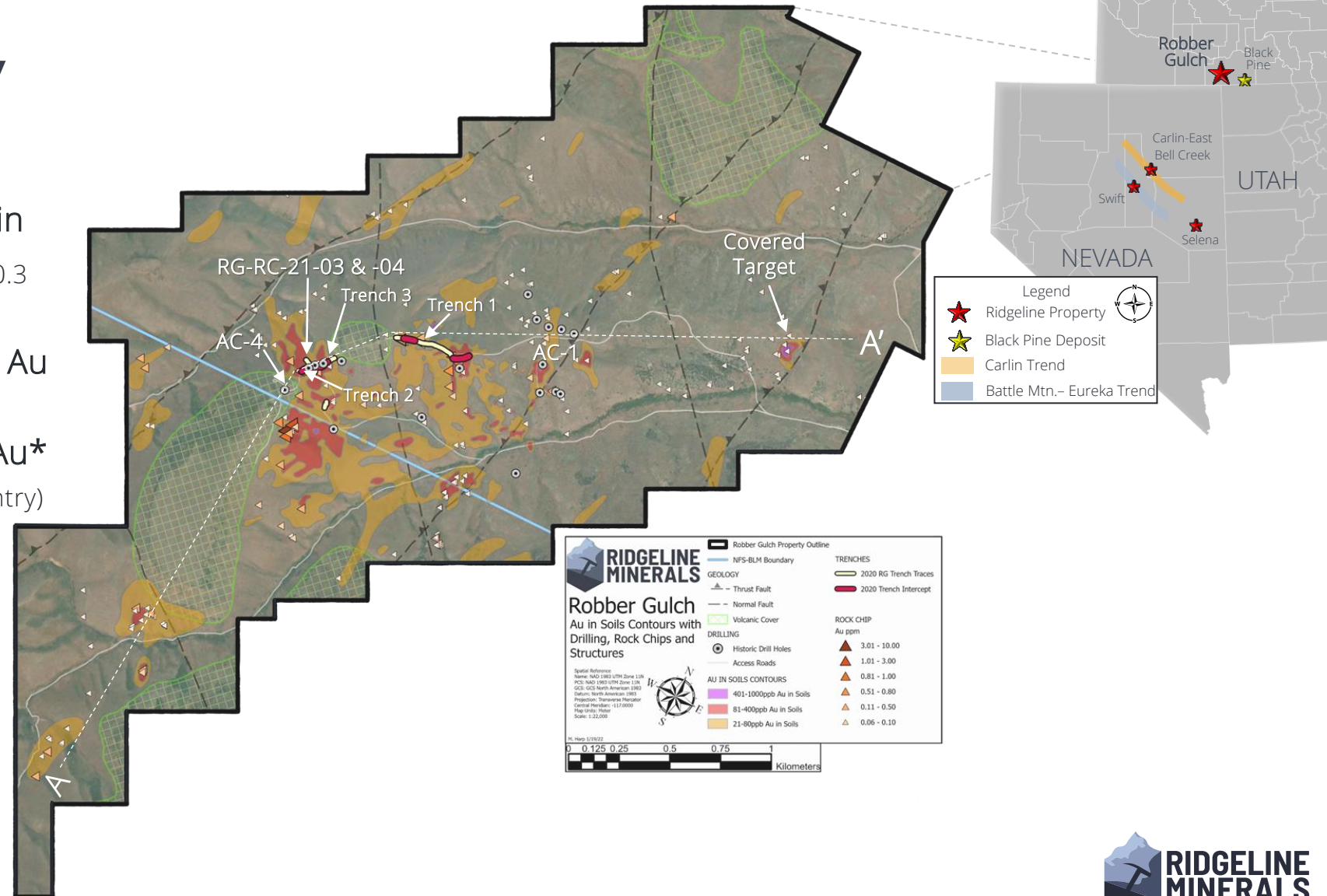
# Proven Discovery

### Historical Drill Highlights<sup>(3,8)</sup>

- AC-4: 12.2m @ 0.90 g/t Au within 57.9m @ 0.34g/t Au (bottomed in 0.3 g/t Au)
- RG-RC-21-03: 12.2m @ 0.65 g/t Au (from surface)
- RG-RC-21-04: 6.1m @ 1.46 g/t Au\* (\* TD @ 6.1m – cased and ready for re-entry)

### Highlight Trench Results<sup>(3)</sup>

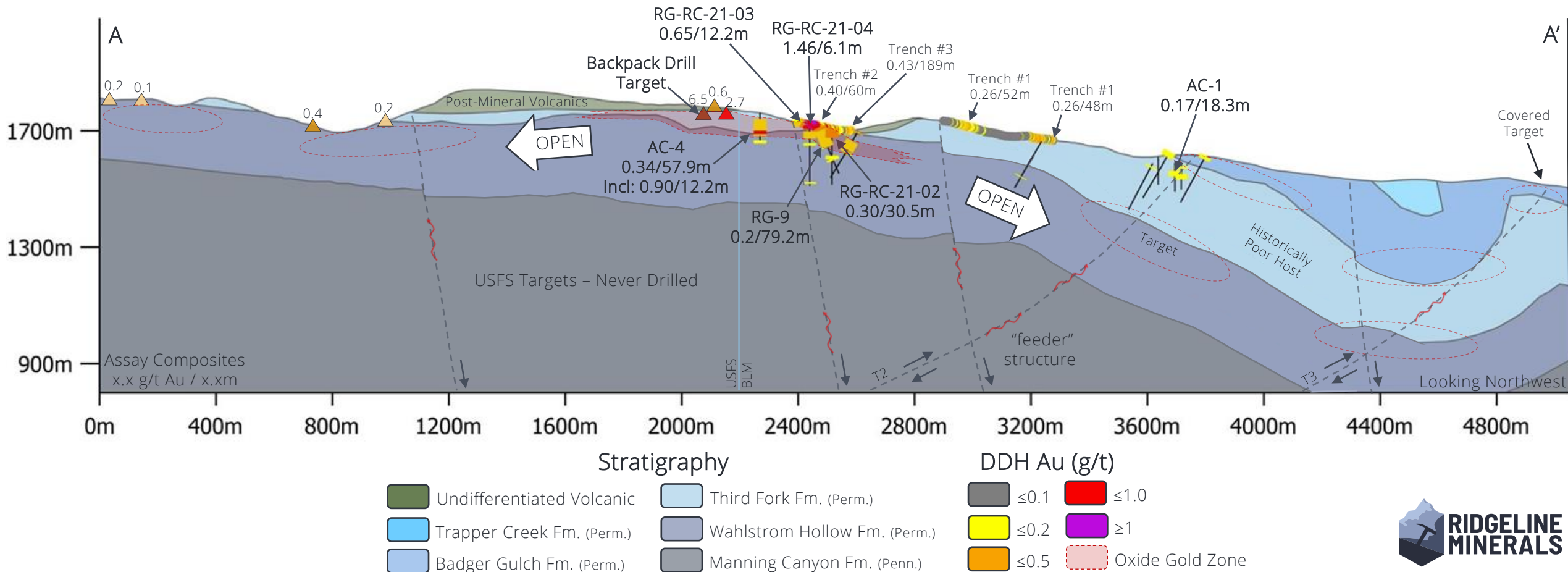
- Trench 1: 52m @ 0.26 & 48m @ 0.26 g/t Au
- Trench 2: 60m @ 0.40 g/t Au
- Trench 3: 189m @ 0.43 g/t Au



## ROBBER GULCH

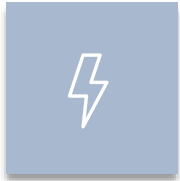
# Schematic X-Section A-A'

- Widespread oxide gold in historical drilling with mineralization starting from surface and open in all directions
- Backpack drilling by Ridgeline team in Q4 2022 will test outcropping mineralization (6.5 g/t Au) to the west of AC-4

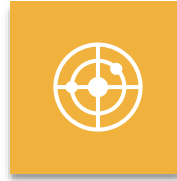


## SUMMARY

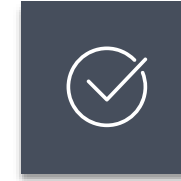
# Near-Term Catalysts

**Q3 2022**

- Selena – Backpack drilling & late Q3 core program
- Swift – Drilling in-progress (NGM)
- Robber Gulch – Backpack drilling

**Q4 2022**

- Selena, Swift & Robber Gulch assay results

**Q1 2023**

- Swift assay results

## Corporate Catalysts

- Selena CRD discovery exhibits significant growth potential with Q3 drill program to focus on high-grade, shallow targets
- US\$30M earn-in agreement with Nevada Gold Mines confirms district-scale discovery potential at Swift
  - \$4M guaranteed over the first two years ([See 09-22-2021 PR](#)) with Phase II program in-progress
- Strategic Carlin Trend land positions at Carlin-East and Bell Creek directly adjacent to growing resource base at North Leeville and Ren
- Proven shallow-oxide gold system at Robber Gulch exhibits significant discovery potential

# Directors & Advisors

---

## Chad Peters, President, CEO & Director

15 years of exploration and production experience. Co-founded Ridgeline in 2018, former exploration manager for Premier Gold mines team credited with 10+ Moz of gold discoveries in Canada and the US.

## Peter Hardie, Independent Director

20+ years of International accounting, financial management and mine development experience. Current CFO of Equinox Gold and former CFO of True Gold and Nevsun Resources

## Michael Blady, Independent Director

10+ years as senior management of multiple public resource companies with extensive capital markets background. Current CEO of Golden Ridge Resources, former Co-Founder & President of Ridgeline Exploration Services

## Mac Jackson, Technical Advisor

25+ years of exploration experience. Discovered 20+ Moz. of gold at the Leeville, Fiberline and North Dark Star Deposits. Former VP, Exploration at Gold Standard Ventures and Senior Exploration Geologist, Newmont

## Duane Lo, CFO & Director

20+ years International accounting and financial management experience for various public companies. Current CFO of Ridgeline Minerals and Entrée Resources, former CFO of Mason Resources and Luna Gold

## Lewis Teal, Independent Director

35+ years of global exploration experience including the discovery of 20+ Moz. of gold. Former Newmont Group Executive, South America and Senior Exploration Geologist, Carlin Trend

## Geoff Chater, Strategic Advisor

30+ years of mineral exploration experience across four continents and capital markets consultant to publicly traded companies. Current Independent Director of New Gold Inc., Former Director of Nevsun Resources and Reservoir Minerals



**PRESIDENT & CEO**  
**Chad Peters, P.Geo**

775-304-9773  
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**David Jan**

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**TSX-V: RDG | OTCQB: RDGMF | FRA: OGCO**

[ridgelineminerals.com](http://ridgelineminerals.com)



APPENDIX

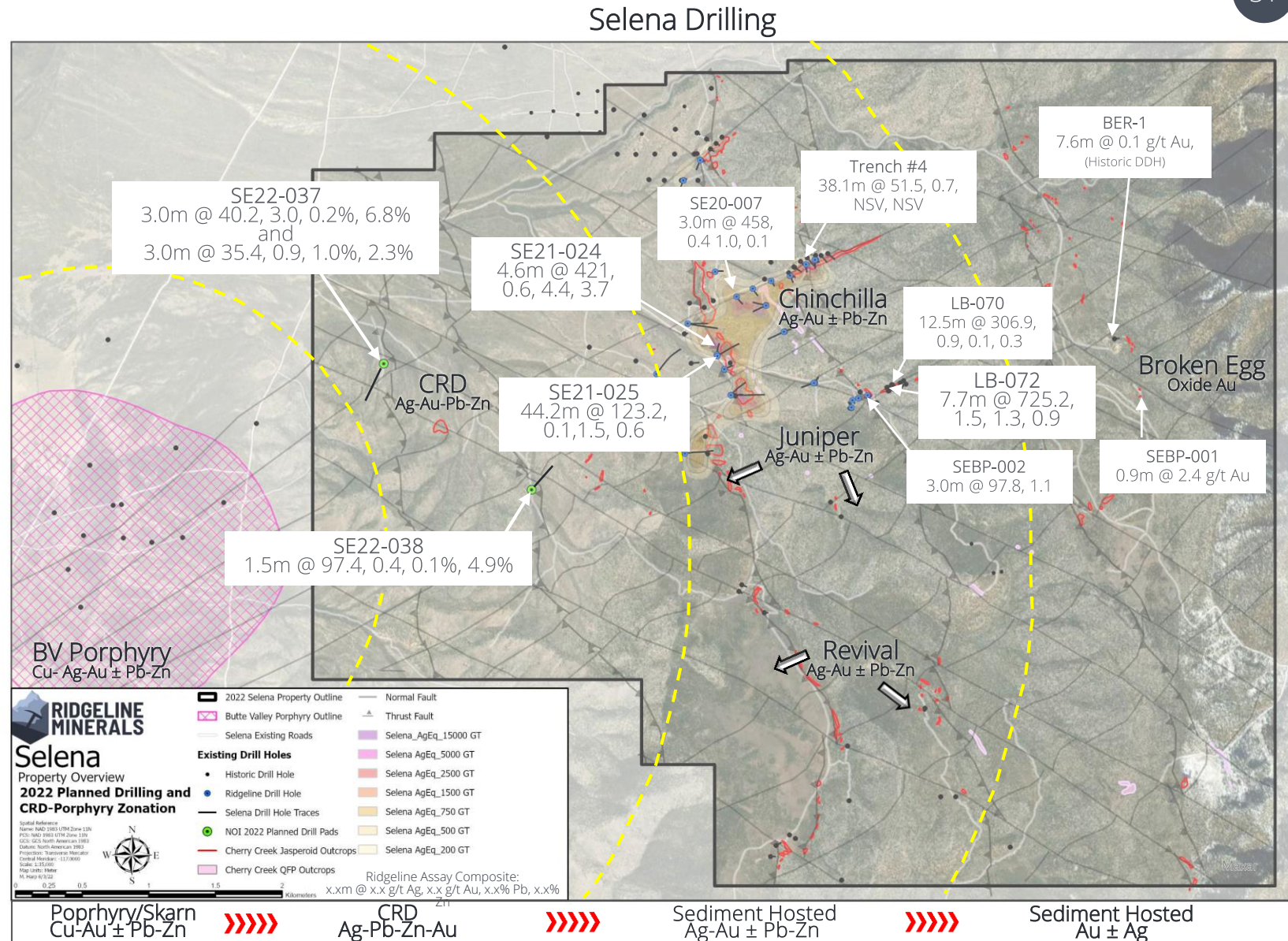
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# Selena

## SELENA

# Zonation Model

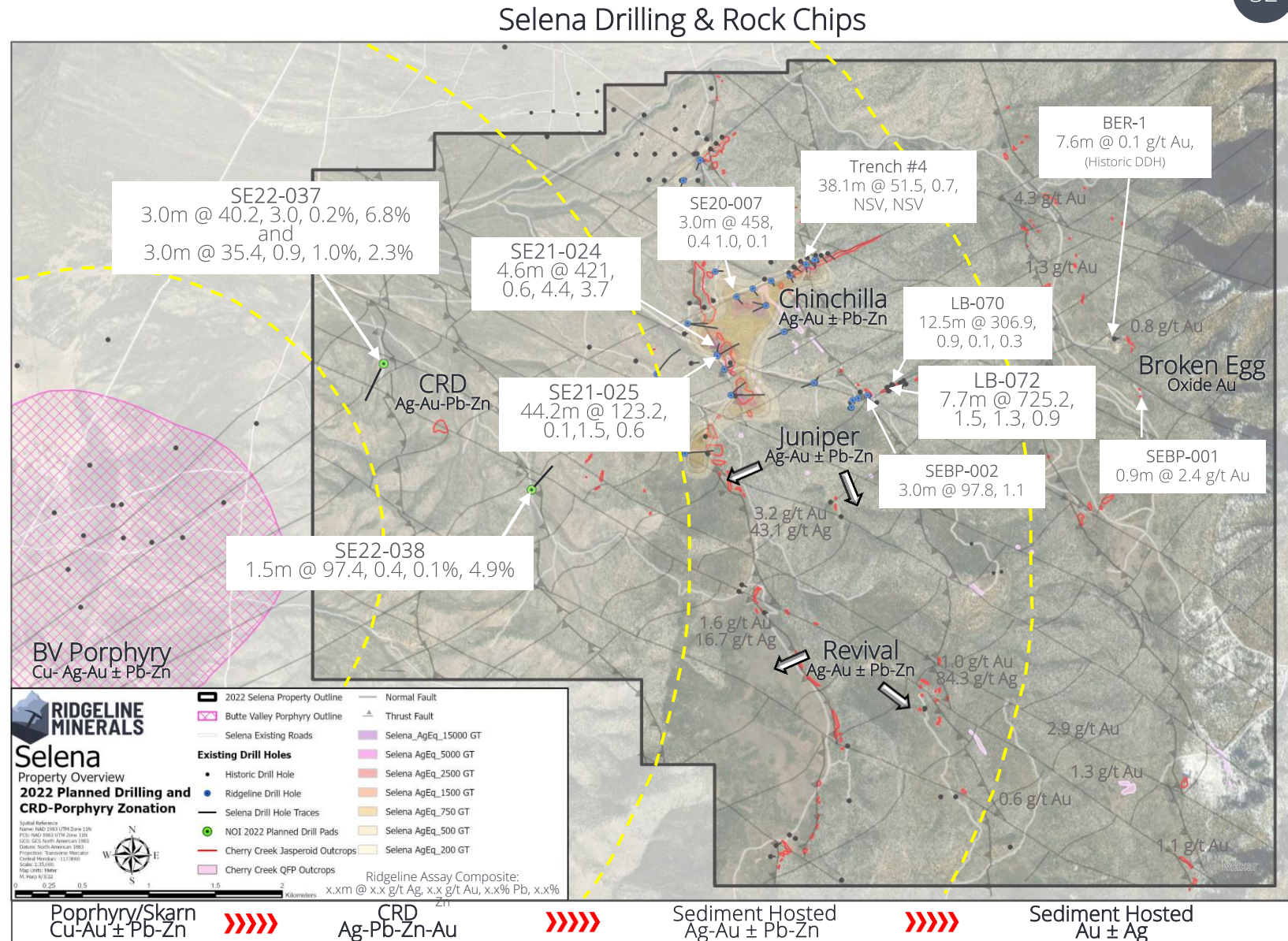
- Geologic model supports the full spectrum of a porphyry zonation pattern over ~8km of mineralized strike between BV porphyry and Broken Egg
- District-scale discovery potential with 3 known deposit types across 5 high potential targets



SELENA

# Zonation Model

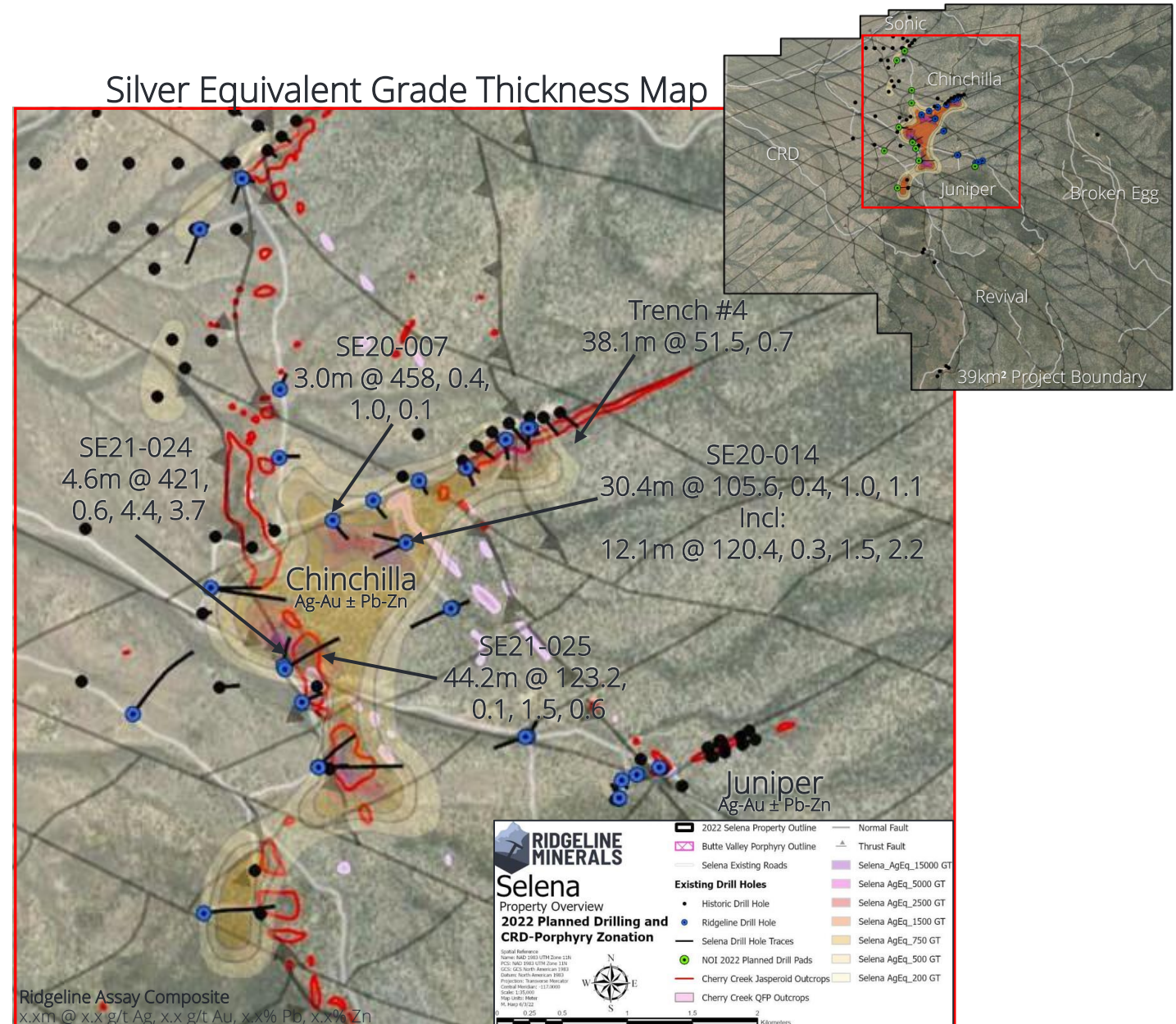
- Rock chips and backpack drilling at Juniper, Revival and Broken Egg highlight high-grade discovery potential



SELENA

## Chinchilla Zone

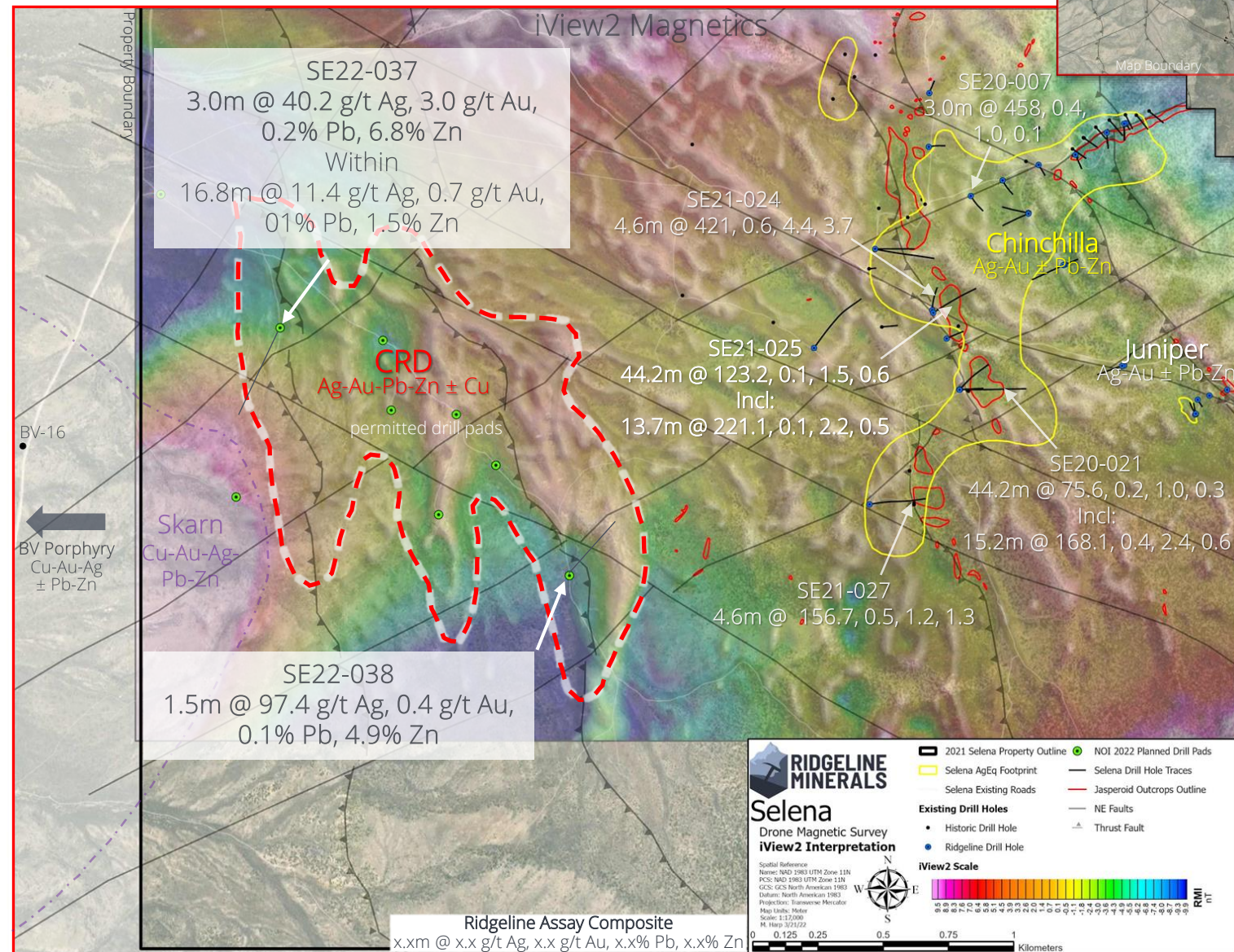
- Shallow-oxide discovery made by Ridgeline team in 2020 with mineralization outcropping at surface
- 16 Reverse Circulation (RC) holes drilled in 2020-2021 using strategic drilling contract
- Drilling intersected widespread stratabound mineralization (Ag-Au) as well as higher-grade CRD type structurally controlled (Ag-Au-Pb-Zn) mineralization



SELENA

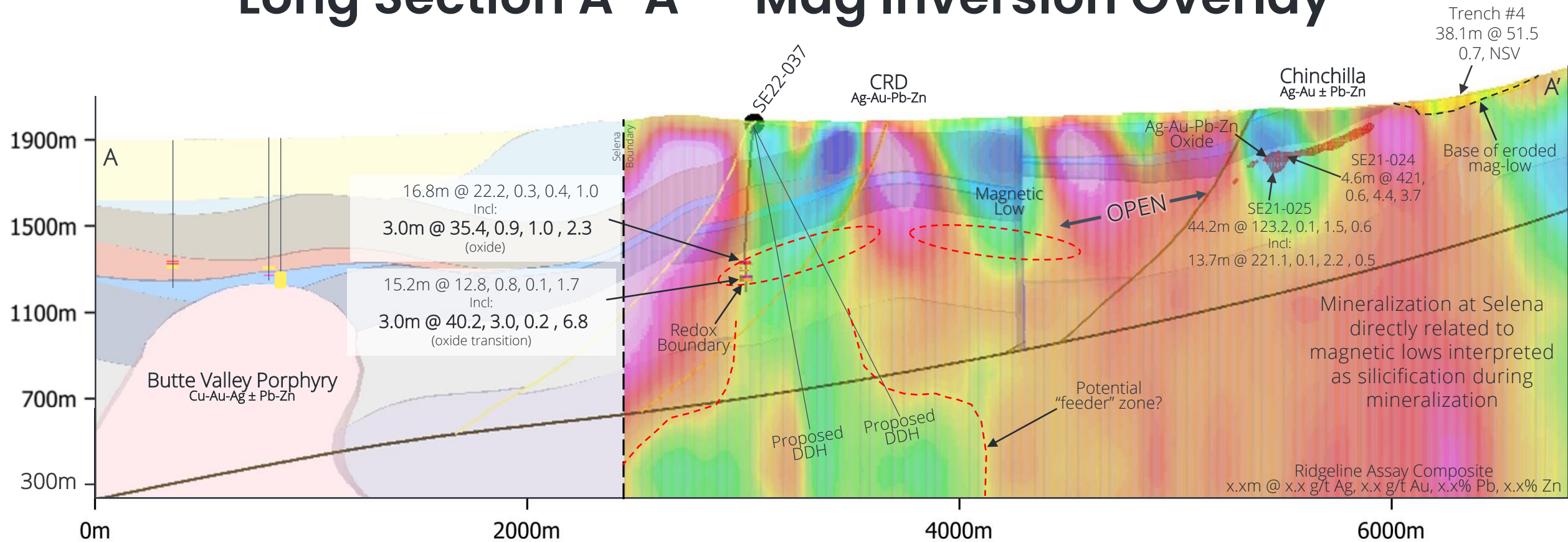
# CRD Target

- Q2, 2022 drone magnetics survey highlights untested potential at the CRD Target
- SE22-037 and SE22-038 confirmed CRD target and greater porphyry zonation model



## SELENA

## Long Section A-A' – Mag Inversion Overlay



## Stratigraphy

Alluvium	Joanna Limestone
Fanglomerate	Pilot Shale
Intrusion	Guilmette Limestone
Ely Limestone	Simonson Dolomite
Chainman Shale	Fault
	Inferred Fault

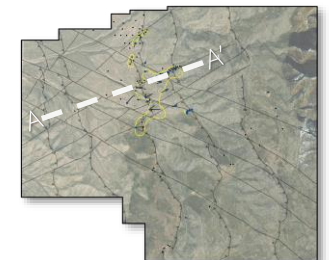
## Alteration &amp; Mineralization

Calcite Vein + Mn	Au + Ag Oxide
Jasperoid ± Au	Ag-Au-Pb-Zn Oxide
Porphyry Hornfels-Skarn	Ag-Au-Pb-Zn Sulfide Target

## Drill Trace (AgEq g/t)

≤ 5
≤ 20
≤ 50
≤ 100
> 100

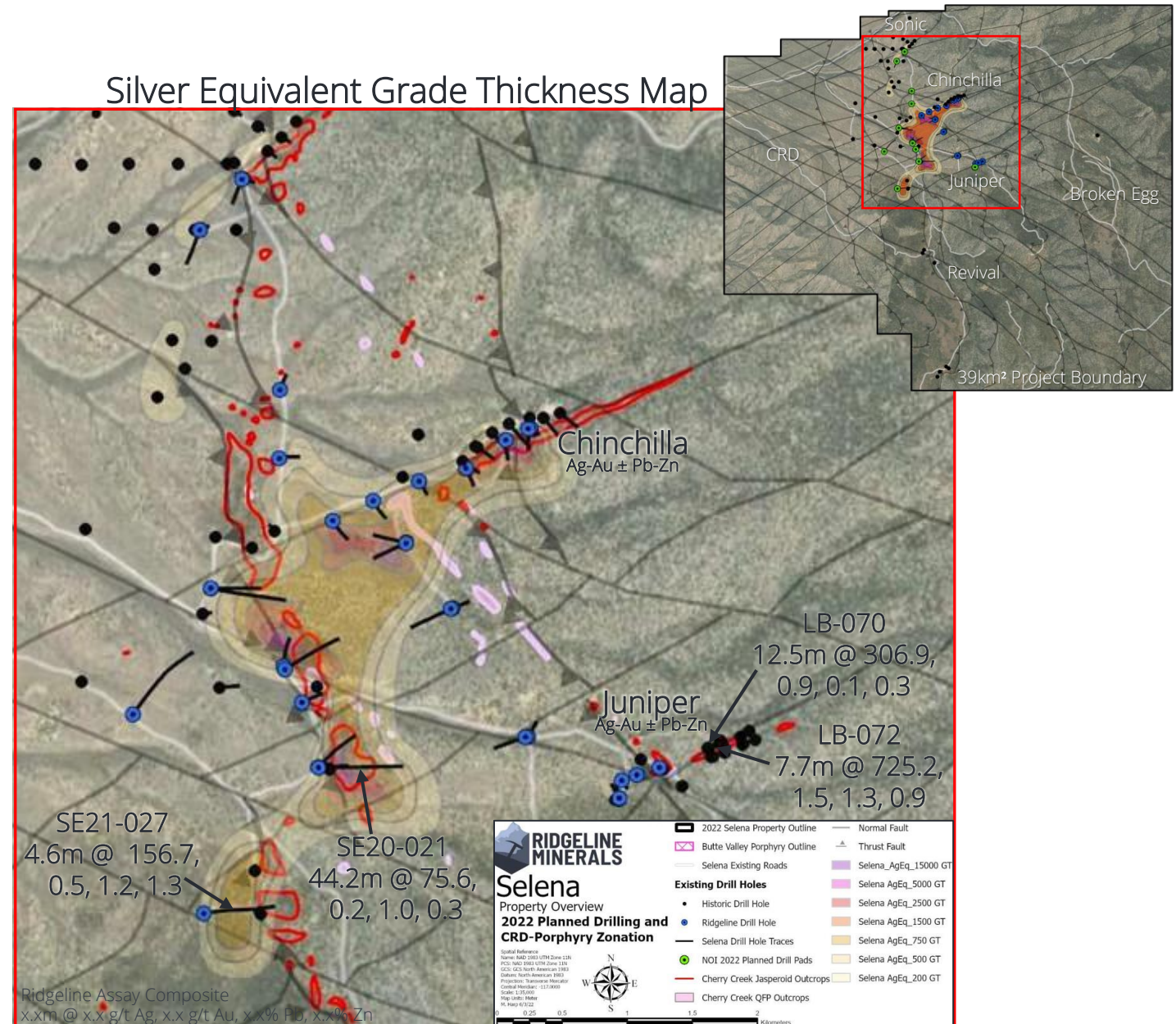
## Section Location



SELENA

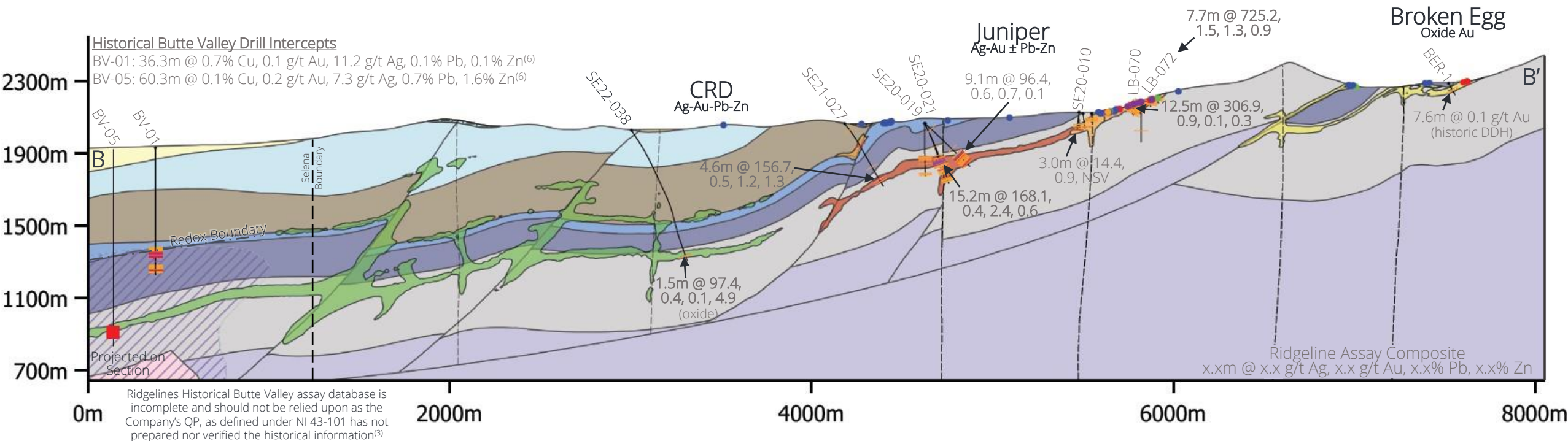
## Juniper Zone

- Parallel zone to the south of Chinchilla with identical litho-structural controls
- 10 RC holes in 2020-2021 (most drilled on wrong side of NE fault)
- Ag-Au grades appear to be increasing to the south with LB-070, LB-072, SE20-021, SE21-027 highlighting expansion potential
- Continued infill drilling expected to connect Chinchilla and Juniper zones



## SELENA

# Juniper Schematic Long Section B-B'



## Stratigraphy

Alluvium	Joanna Limestone
Fanglomerate	Pilot Shale
Intrusion	Guilmette Limestone
Ely Limestone	Simonson Dolomite
Chainman Shale	Porphyry Hornfels-Skarn

## Mineralization

Au Oxide
Ag-Au ± Pb-Zn Oxide
Ag-Au-Pb-Zn Oxide
Ag-Au-Pb-Zn Sulfide Target
Fault
Inferred Fault

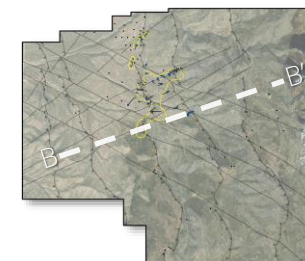
## Drill Trace (AgEq g/t)

≤ 5
≤ 20
≤ 50
≤ 100
> 100

## Rock Chip (Au g/t)

< 0.1	≤ 2.0
≤ 0.1	> 2.0
≤ 0.2	
≤ 0.5	
> 1.0	

## Section Location



SELENA

## Juniper Zone

- Ridgeline acquired historic dataset from NevGold Corp. (via McEwen) in May 2022
- LB-072 (2010) intersected the highest grades ever drilled on the Selena property
- 7.7m @ 725.2 g/t Ag, 1.5 g/t Au, 1.3% Pb and 0.9% Zn
  - Incl: 0.3m @ 6,667 g/t Ag, 7.7 g/t Au, 1.6% Pb, and 0.2% Zn
  - And 1.0m @ 2,467.2 g/t Ag, 5.1 g/t Au, 1.1% Pb and 1.4% Zn
- Future holes will test for preserved Upper (Dgc) and Lower zones (Dgf) down-dip of partially eroded discovery outcrops

LB-072 Core Photo



SELENA

## Juniper Zone

- SEBP-002 was the first backpack hole at the Juniper target
  - Drilled ~150m west of McEwen holes
- 0-3m returned 94.7 g/t Ag and 1.1 g/t Au
  - TD at 9.8m in difficult drilling conditions with team attempting to extend hole to a depth of 15m
- Hole collared into the upper jasperoid zone (Dgc: see appendix) with the lower zone (same high-grade zone as LB-072) anticipated at ~10-15m downhole

**SEBP-002 (Juniper)**  
**3.0m (10 ft.) @ 94.7 g/t Ag, 1.1 g/t Au, 0.1% Pb, 0.3% Zn**

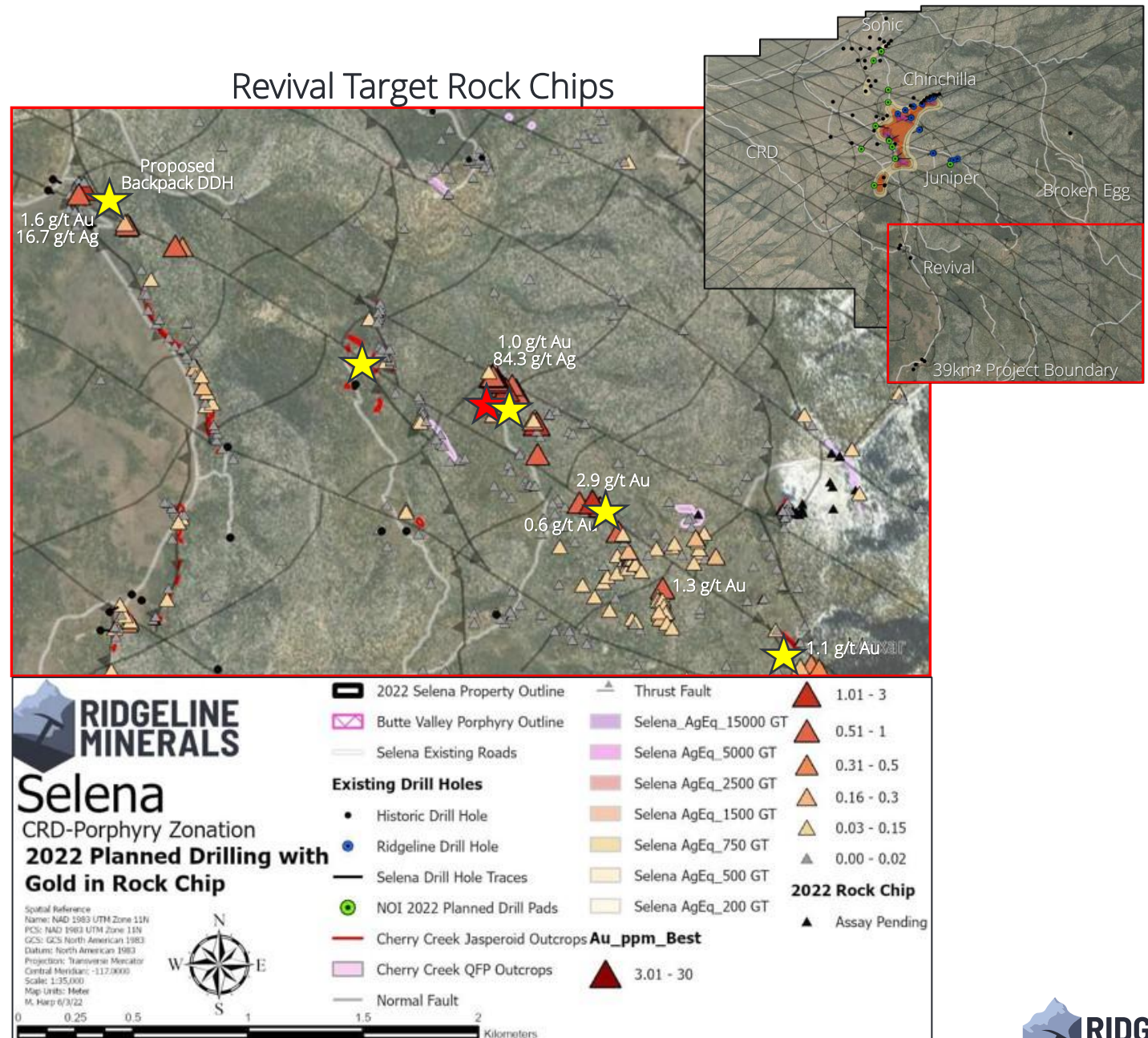
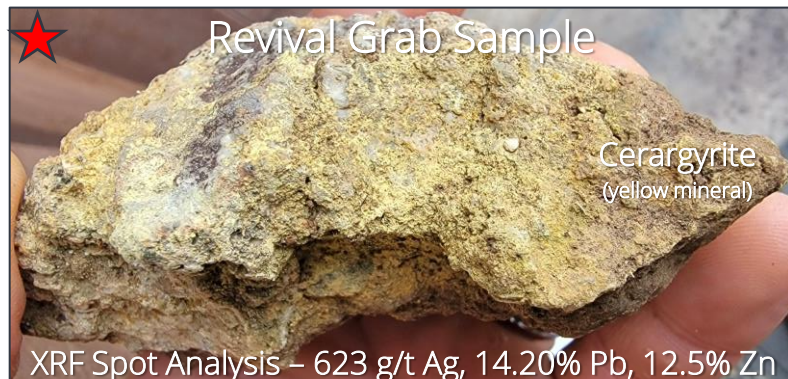


Hole ID	From (ft.)	To (ft.)	Ag (g/t)	Au (g/t)	Pb (%)	Zn (%)
SEBP-002	0	2.4	206.00	3.17	0.20	0.39
	2.4	3.7	111.00	0.81	0.06	0.75
	3.7	5	103.00	0.82	0.04	0.26
	5	8.4	31.75	0.18	0.02	0.13
	8	10.1	38.70	0.31	0.02	0.12

SELENA

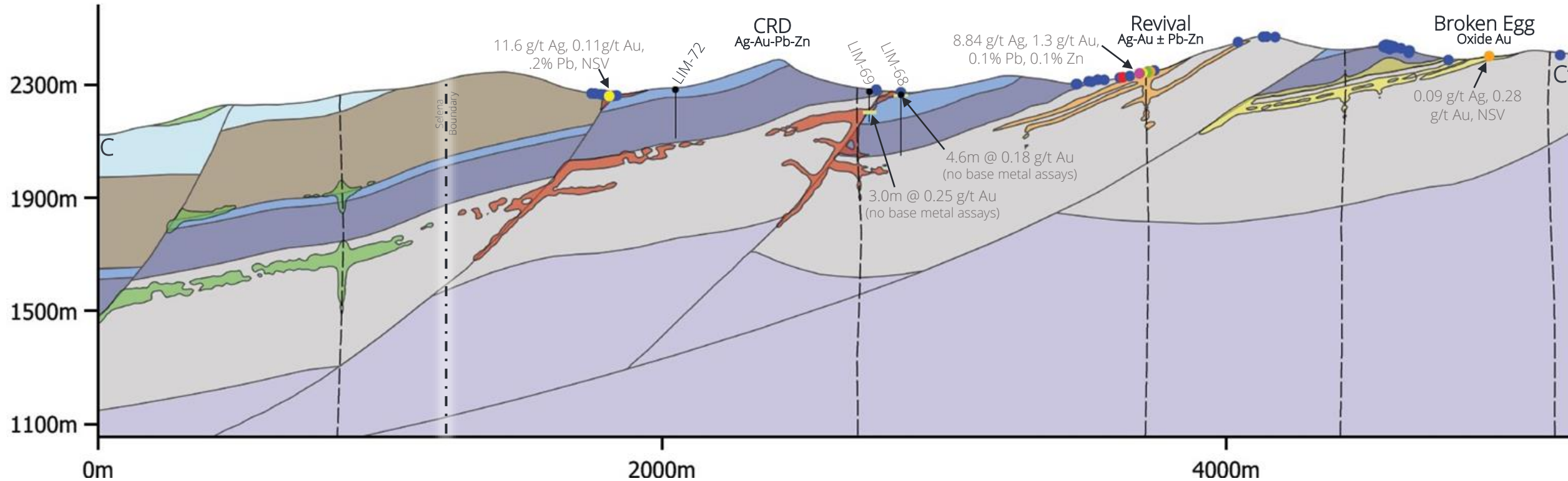
# Revival Target

- Earliest-stage target with strong NW fault control that extends through the CRD – Revival – South Broken Egg targets
- Backpack rig will test multiple mineralized jasperoid outcrops in Q3 with 10-15m core holes



## SELENA

# Revival Schematic Long Section C-C'



## Stratigraphy

Alluvium	Joanna Limestone
Fanglomerate	Pilot Shale
Intrusion	Guilmette Limestone
Ely Limestone	Simonson Dolomite
Chainman Shale	Porphyry Hornfels-Skarn

## Mineralization

Au Oxide
Ag-Au ± Pb-Zn Oxide
Ag-Au-Pb-Zn Oxide
Ag-Au-Pb-Zn Sulfide Target
Fault
Inferred Fault

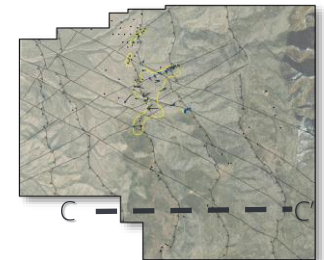
## Drill Trace (AgEq g/t)

≤ 5
≤ 20
≤ 50
≤ 100
> 100

## Rock Chip (Au g/t)

< 0.1	≤ 2.0
≤ 0.1	> 2.0
≤ 0.2	
≤ 0.5	
> 1.0	

## Section Location



SELENA

## Broken Egg Target

- SEBP-001 was the first backpack hole at the Broken Egg target
  - Hole collared into the partially eroded upper Guilmette (Dgc)
- Drilled 8.5m of mineralized and brecciated zone with a highlight of 0.9m grading 2.4 g/t Au starting from surface but terminated prior to
- Collaring hole to the west of SEBP-001 beneath the pilot shale contact would allow team to drill fully preserved upper and lower Guilmette in future holes

**SEBP-001(Broken Egg)**  
**0.9m (3 ft.) @ 2.37 g/t Au**

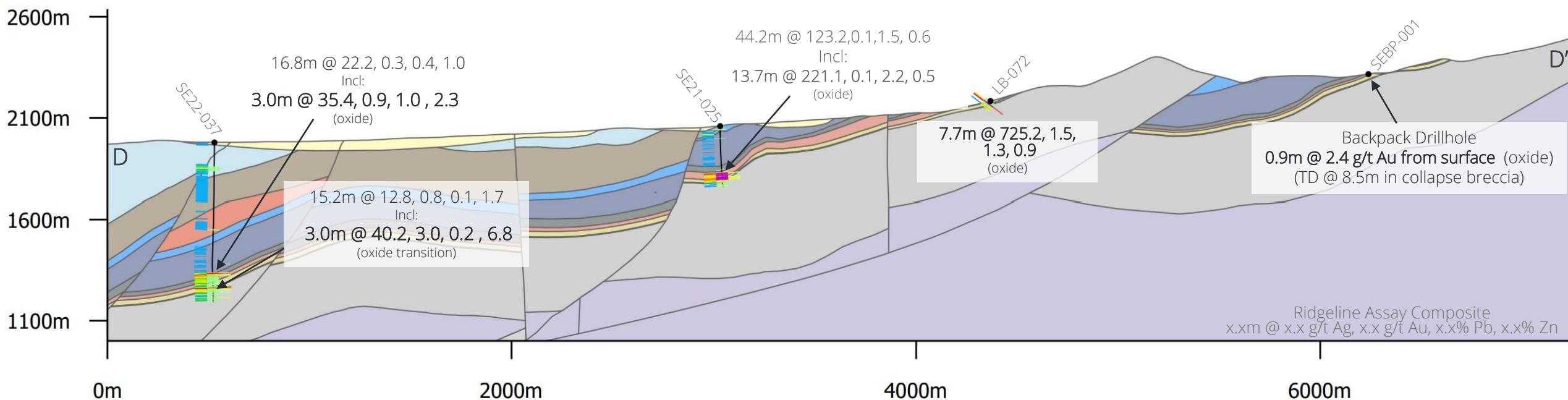


Hole ID	From (ft.)	To (ft.)	Au (g/t)	As (ppm)	Sb (ppm)	Hg (ppm)
SEBP-001	0	3	2.37	1658.9	611.09	24.2
	3	6	0.03	60.2	22.79	0.9
	6	10	0.01	300.8	112.88	4.5
	12	13	0.01	333.5	111.87	4
	13	15	0.01	226.5	86.78	3
	16	17	NSV	509.5	213.41	7.6
	17.4	21.3	NSV	282.4	76.03	4
	21.3	23.4	0.02	757.7	251.92	10.3
	23.4	26.8	0.07	1103.2	424.9	12.5
	26.8	27.8	0.04	783.2	231.98	8.4

SELENA

# Schematic Long Section D-D'

- SE22-037 to SEBP-001 highlights porphyry zonation model from CRD to disseminated gold deposit (W-E) over 5.7km
- Consistent mineralization (regardless of deposit type) in the Dgc and Dgf subunits of the Guilmette (Dg) Formation



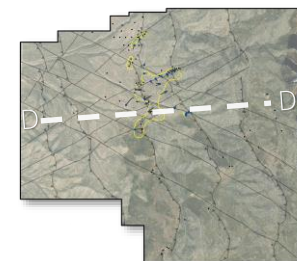
## Stratigraphy

Alluvium	Joanna Limestone
Fanglomerate	Pilot Shale
Intrusion	Guilmette Limestone
Ely Limestone	Simonson Dolomite
Chainman Shale	Fault
	Inferred Fault

## Drill Trace (AgEq g/t)

Zn % (left)	Ag g/t (center)	Au g/t (right)
≤ 0.01	≤ 1	≤ 0.05
≤ 0.05	≤ 5	≤ 0.09
≤ 0.1	≤ 15	≤ 0.25
≤ 0.5	≤ 30	≤ 0.5
≤ 1	≤ 50	≤ 1
≤ 2	≤ 100	≤ 2
≤ 3	> 100	> 2
> 3		

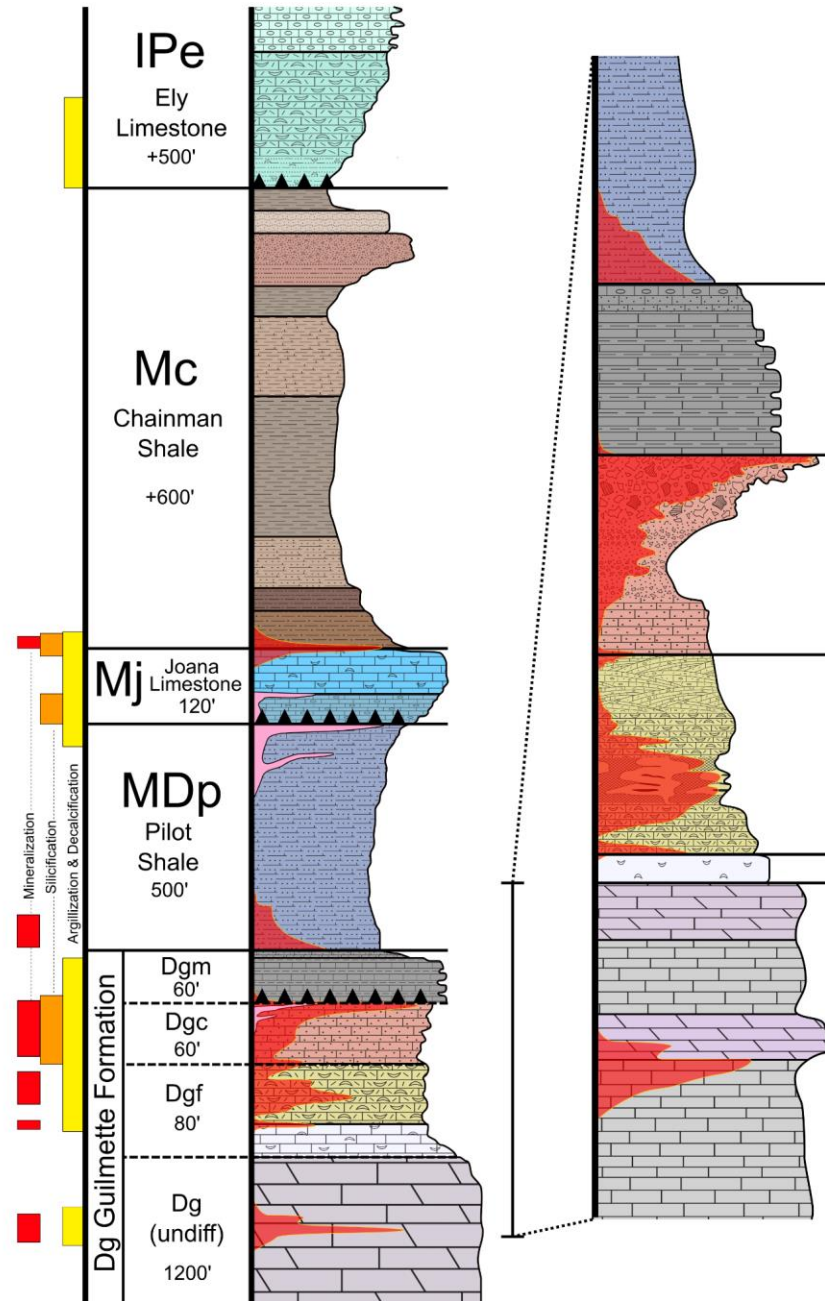
## Section Location



SELENA

# Strat Column

- Mapping combined with McEwen and RDG backpack core drilling has added 4 distinct subunits to the Guilmette Formation
- Dg exhibits distinct “Upper” and “Lower” zones as well as a third zone in the lower dolomite section of the Dg
- Outcropping jasperoid at Chinchilla and Juniper is interpreted as the base of the Upper Zone of the Dgc



## Lower Pilot (MDp) – dolomitic-calcareous siltstone

- Au host at Broken Egg target
- Rock chip 2.2 g/t Au
- Oxide breccia

## Micrite (Dgm) – thin to medium-bedded micrite with interbedded siltstone

- Uppermost beds are sandy limestone and black chert layer underlying Pilot
- Commonly reduced, black, pyritic
- Altered to yellow clay towards bottom
- Base can be weakly mineralized when collapsing down into the Upper Zone

## Upper Zone (Dgc) – jasperoid crackle breccia in calcarenite

- Still missing complete core hole to accurately describe lithology
- Commonly silicified and brecciated at the top with loose sandy material at base
- Au-Ag-Pb-Zn mineralization in nearly all holes; demonstrates regional zonation
- Less altered holes show calcarenite texture

## Lower Zone (Dgf) – fossiliferous limestone with replacement mineralization

- Fossil hash debris flows and fossiliferous limestone as a permeable host
- Less commonly silicified, core holes show decalcification and sulfide replacement
- High-grade Au-Ag host at Juniper target, lower grade at Chinchilla
- Soft rock, recessive, not mappable

## Calcite/Marble – Basal marker bed as Dgf transitions to dolomitic limestone

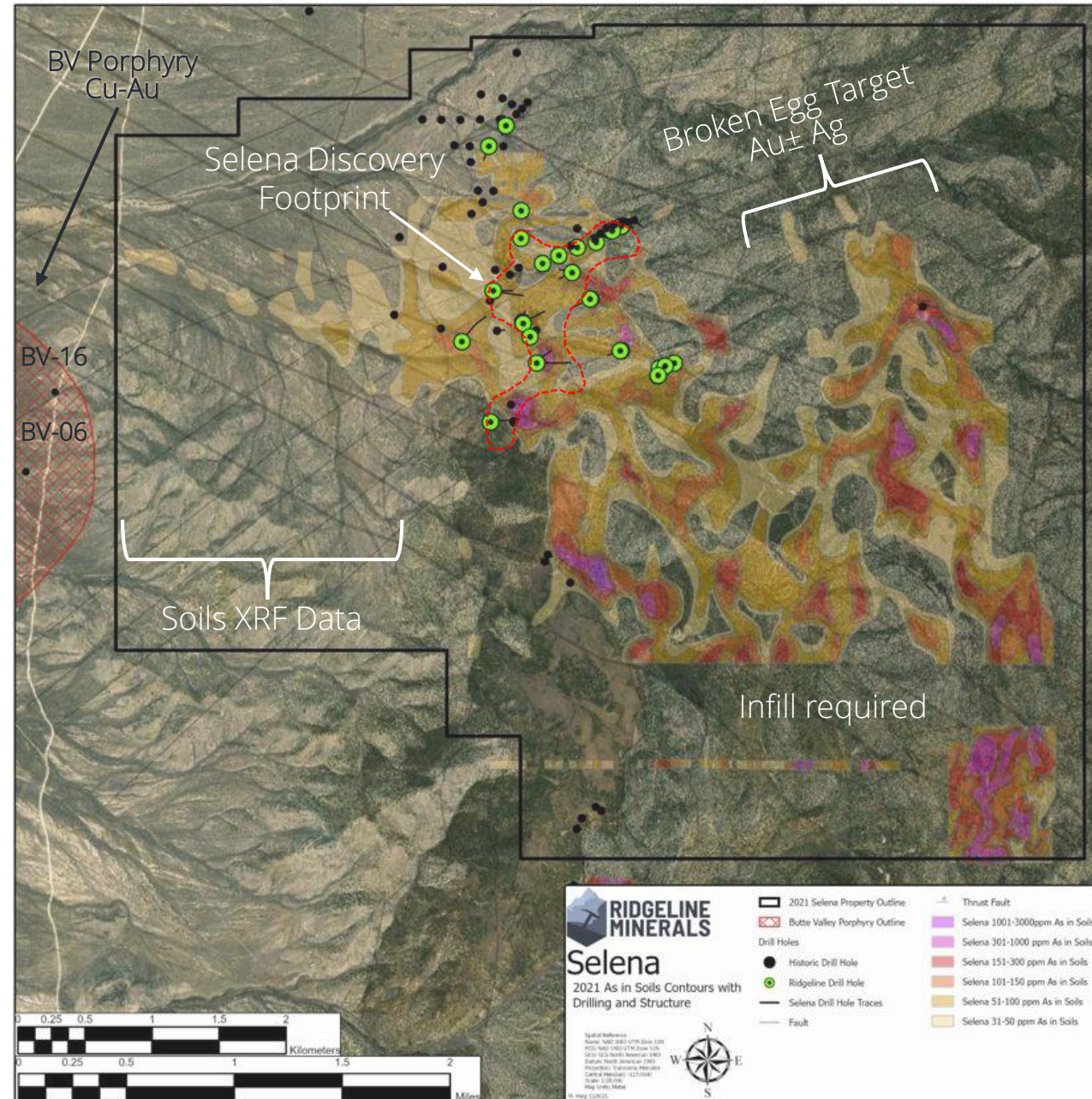
## Dolomite bed(s) in lower Guilmette

- SE22-037 demonstrated Au-Zn mineralization at dolomite contact
- Potential for additional prospective beds in lower Guilmette as stacked mantos

SELENA

## As in Soils

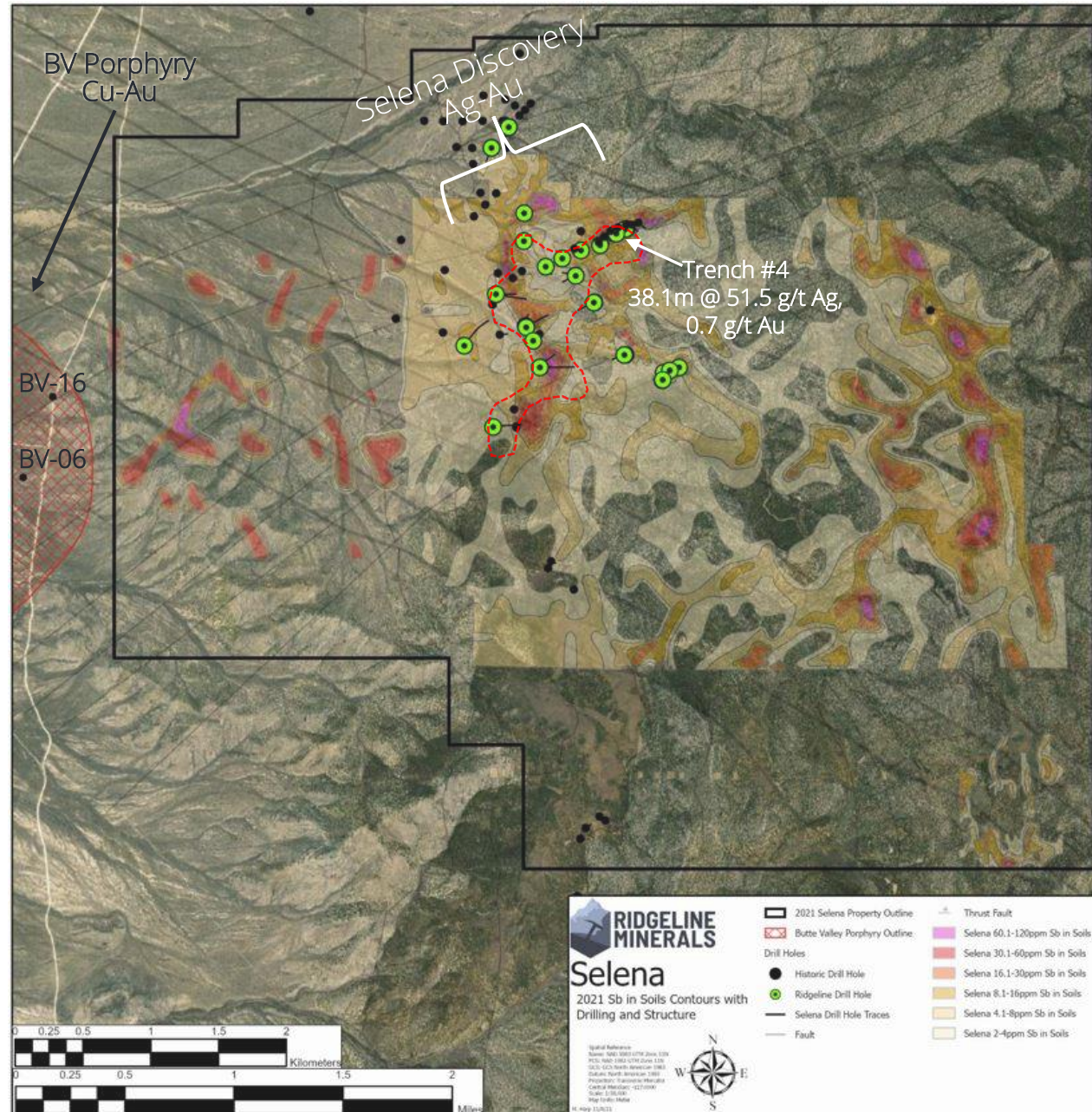
- Arsenic is strongest at the Broken Egg target (farthest from BV porphyry)
  - Highlights the Carlin-Type Au end-member of the zonation pattern



## SELENA

# Sb in Soils

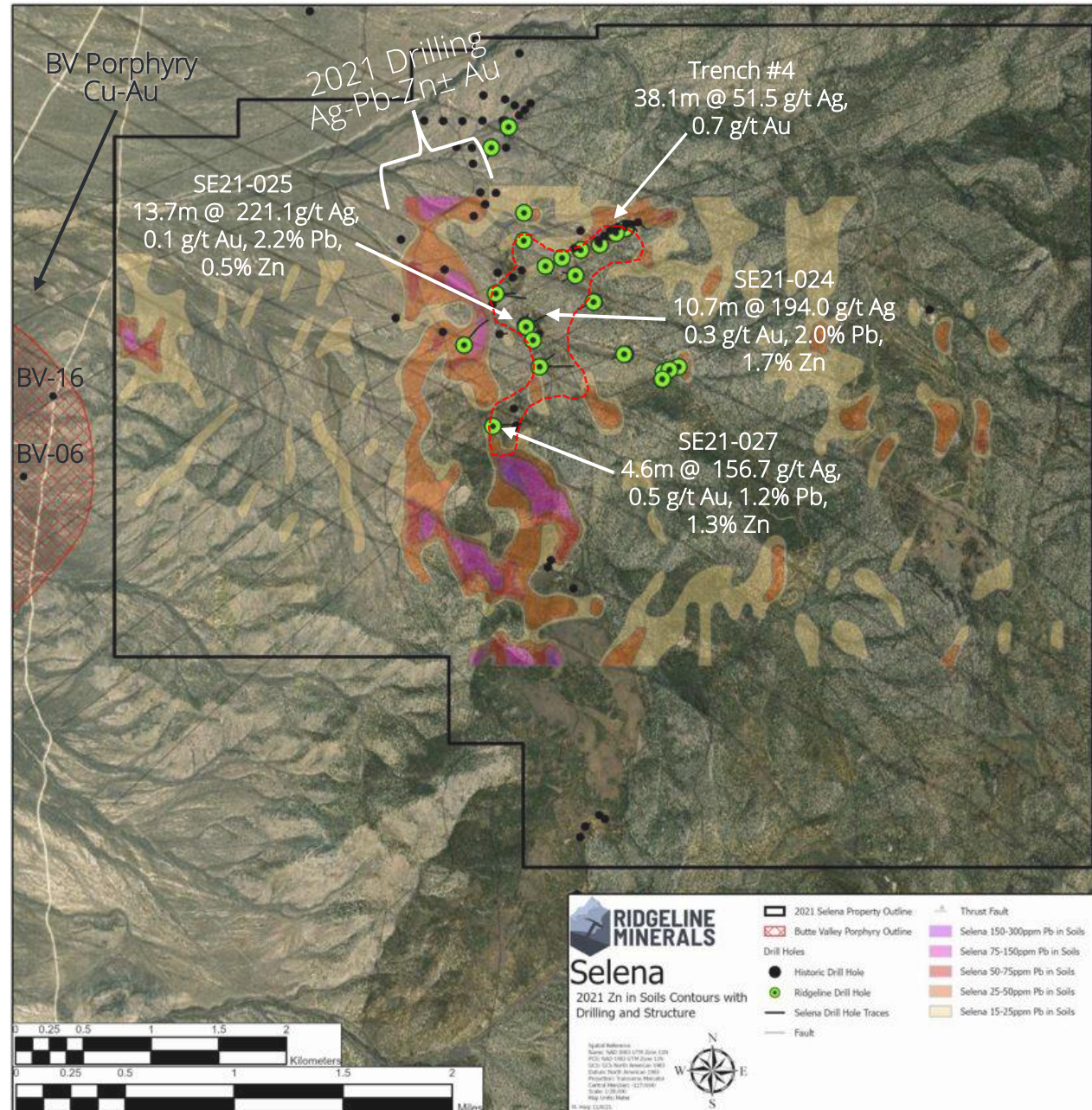
- Antimony highlights zone of highest Ag grades drilled to-date on the property within discovery footprint
  - Au grades progressively decreasing to the west
  - Inverse relationship to Pb-Zn



SELENA

## Pb in Soils

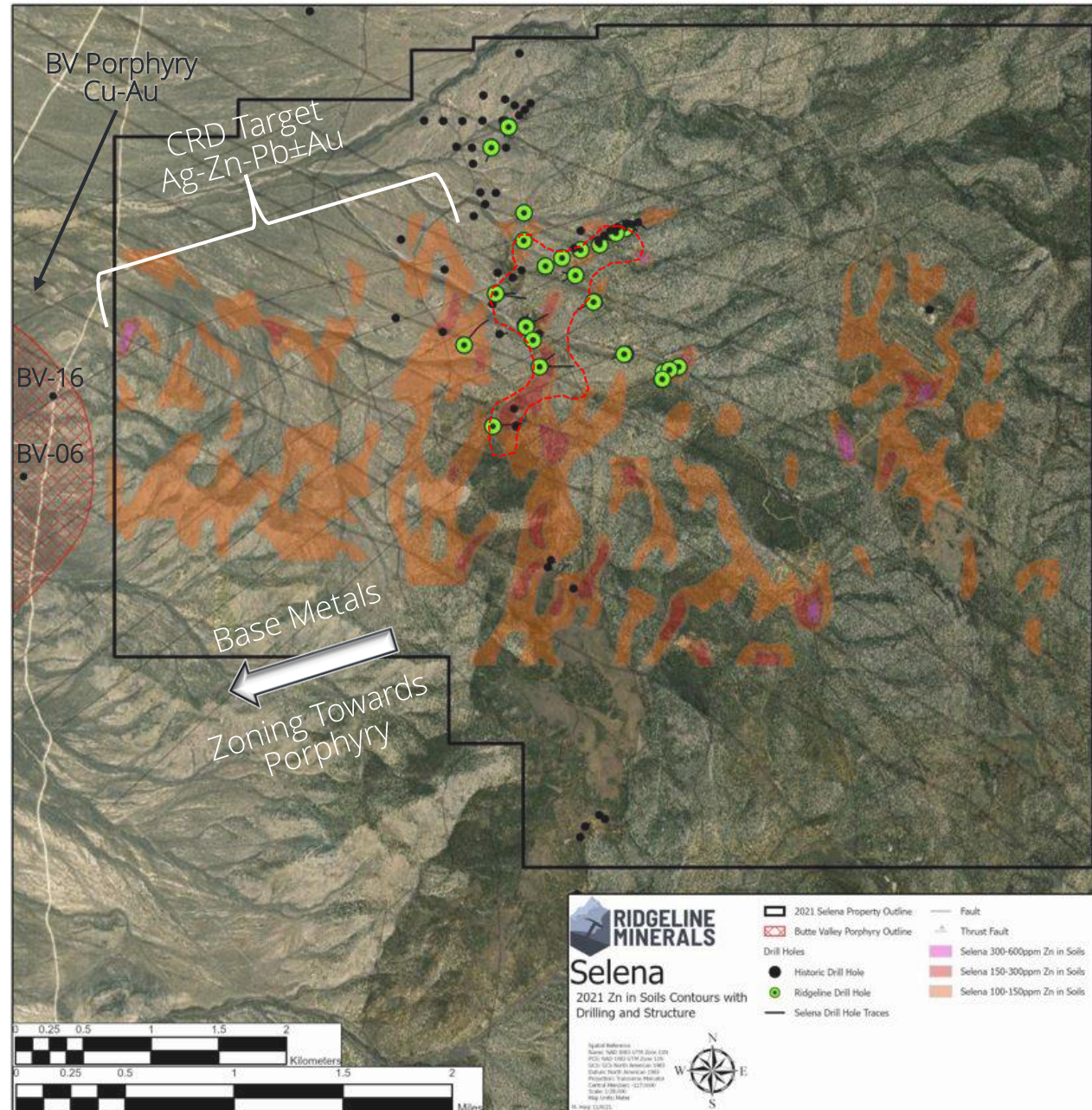
- Pb in soils values increasing towards the Butte Valley porphyry with highest values concentrated along a N/S trending thrust fault
  - Corresponding increase in downhole Ag-Pb-Zn and decrease in Au values



SELENA

## Zn in Soils

- Zn in soils values increase considerably across CRD target relative to Pb-Sb-As
- Soils will be submitted to lab in November with results expected in late 2021
  - Anticipate improved resolution vs XRF data

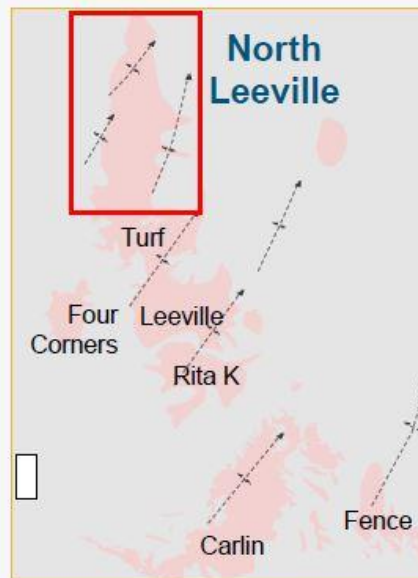


## APPENDIX

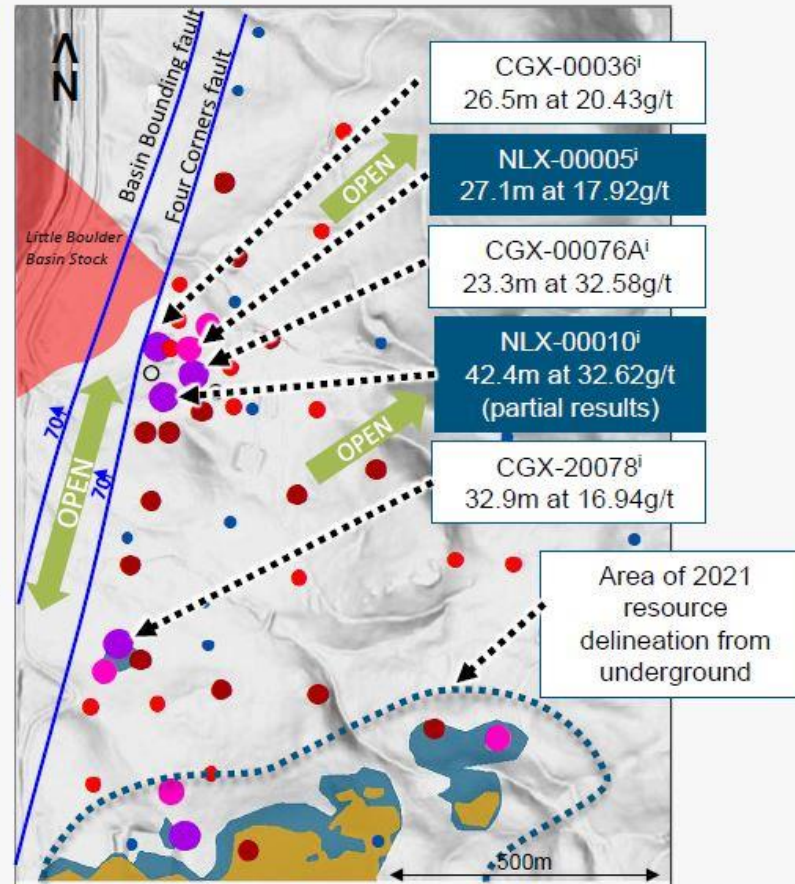
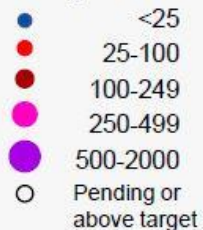
**Carlin-East**

# Barrick Q3, 2021 Report

## North Leeville...Maiden resource and high grade potential materializing



Grade thickness (g\*m)  
at 3.4g/t cutoff



<sup>i</sup> Refer to Appendix A for additional details including assay results for significant intercepts

- Best drill result to date at North Leeville:
  - NLX-00010 – Strong and continuous high grade - partial result:  
**42.4m at 32.62g/t Au**
  - High hit rate for delineation drill holes intersecting ore grade mineralization
  - Increasing confidence in ore controls
- On track to deliver year end maiden resource
- High grade vectoring west to underexplored fertile fault corridor
- Follow-up drilling in progress and additional step out planned for early 2022

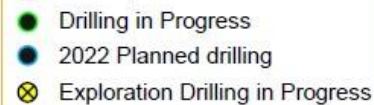
# Barrick Q2, 2022 Report

## North Leeville and North Turf on track for resource additions...

- North Leeville 0.7Moz maiden inferred resource (1.9Mt at 11.5g/t Au)<sup>13,i</sup>
- Resource expected to grow further in 2022:
  - **NLX-22013b<sup>ii</sup>: 27.4m at 19.57g/t**
- Potentially new high grade NW-NNW striking ore controls on the Eastern side (Merlin fault)
- North Turf continues to expand towards North Leeville
  - Multiple high grade-metre intercepts
- Underground drilling to reach southern part of North Leeville late in 2022 from exploration declines
- Significant alteration intercepted in exploration drilling along the Basin Bounding fault corridor and further west in the Little Boulder Basin



### Grade Thickness †

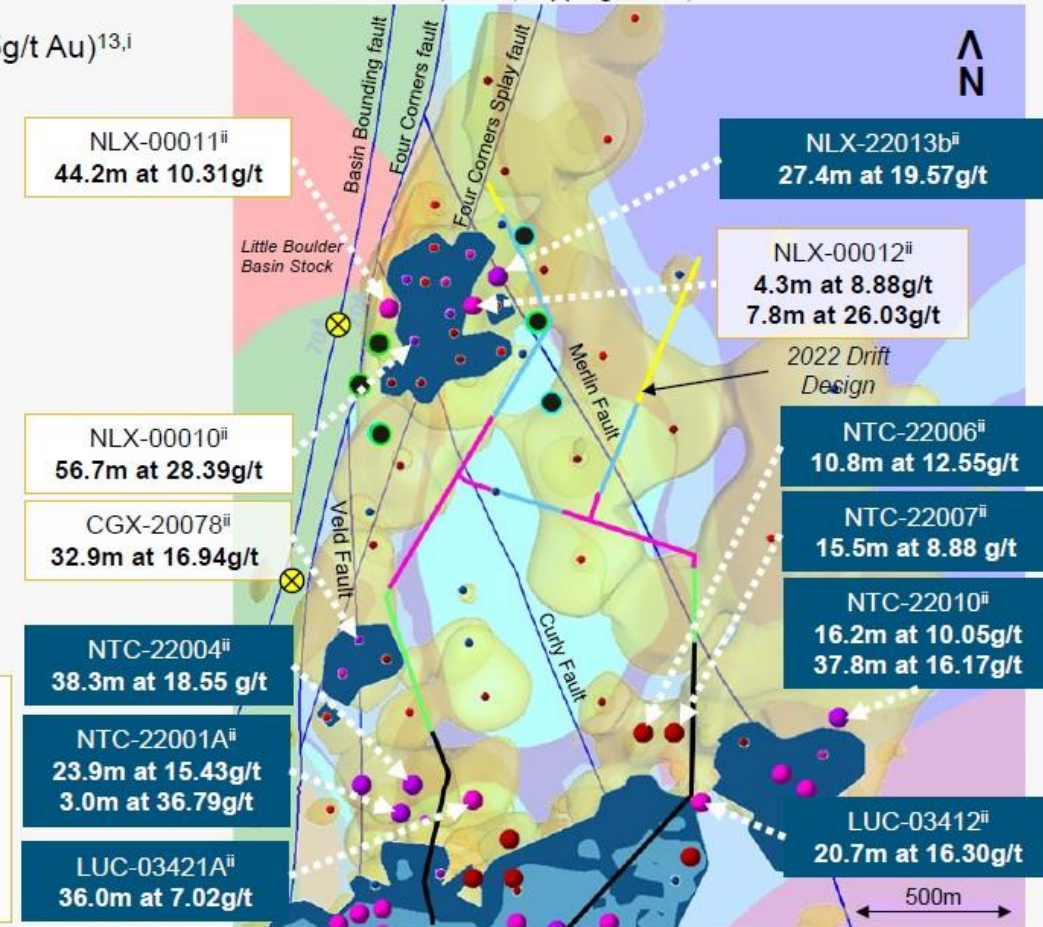


† gram\*metre at 3.4g/t cut-off

### Drift Development



Level Section at 1,100m, Dipping 10° N, 150m thick



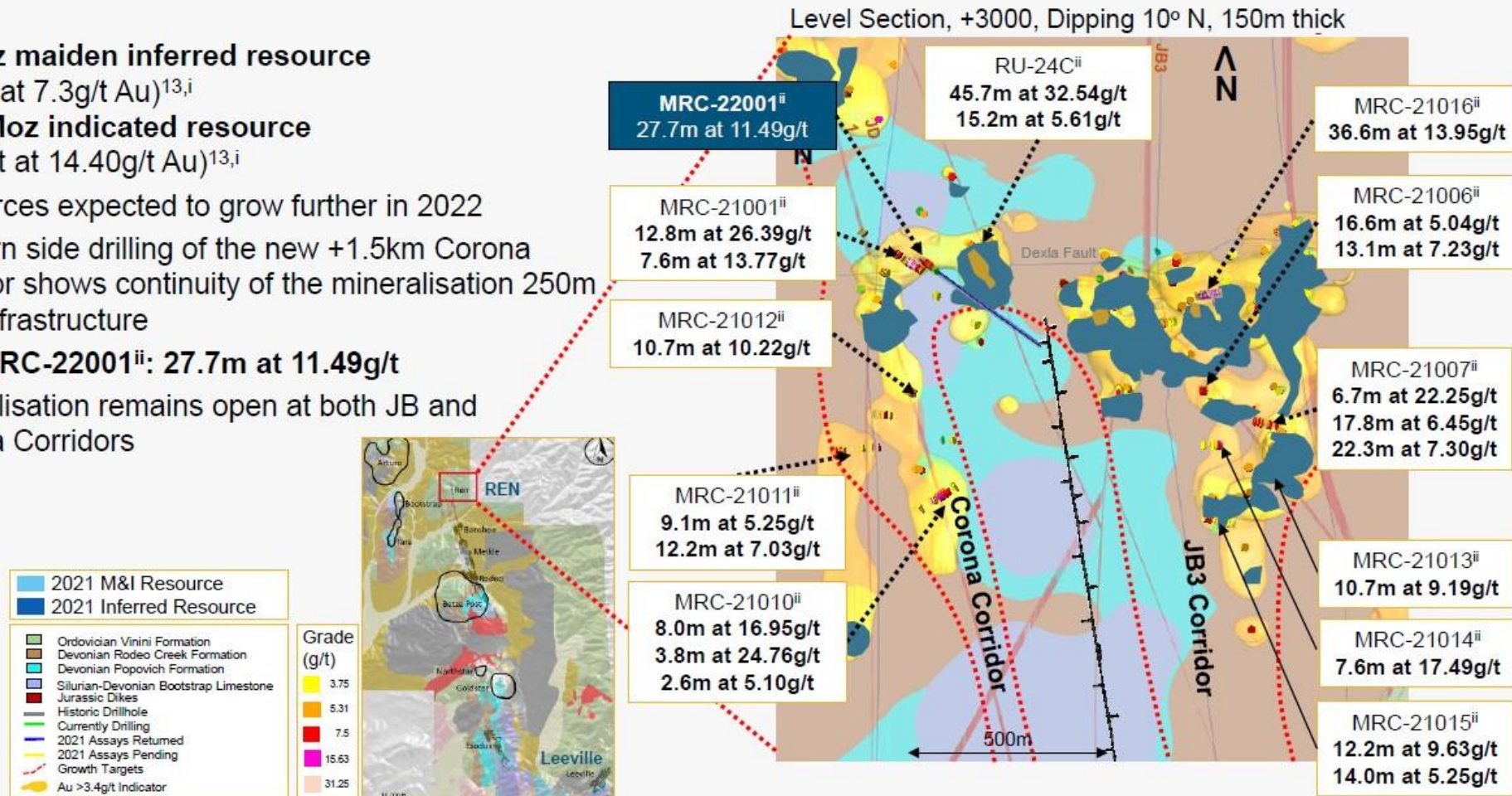
## APPENDIX

**Bell Creek**

# Barrick Q2, 2022 Report

## REN on track for resource additions...

- **1.2Moz maiden inferred resource**  
(5.2Mt at 7.3g/t Au)<sup>13,i</sup>
- **0.050Moz indicated resource**  
(0.11Mt at 14.40g/t Au)<sup>13,i</sup>
- Resources expected to grow further in 2022
- Western side drilling of the new +1.5km Corona Corridor shows continuity of the mineralisation 250m from infrastructure
  - **MRC-22001<sup>ii</sup>: 27.7m at 11.49g/t**
- Mineralisation remains open at both JB and Corona Corridors



## APPENDIX

# Robber Gulch

ROBBER GULCH

3D X-Section

