



Exploration Done Differently

January 24, 2023

Corporate Deck

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



CAUTIONARY STATEMENT

Disclaimer

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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.

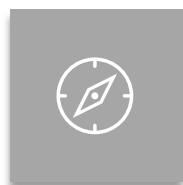
Footnotes:

- (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
- (6) Source: Quaterra Resources Inc. Website: 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
- (8) Source: Exvenco Resources Inc., 1986, Internal Report on Artesian City Project, Cassia County, Idaho.
- (9) Source: Barrick Gold Q4, 2021 Quarterly Reporting: [Q4 2021 Results Presentation \(q4cdn.com\)](https://s25.q4cdn.com/322814910/files/doc_presentations/2021/11/Barrick_Q4_2021_Results_Presentation.pdf)
- (10) Source: South32 Feasibility Study (2022) <https://www.south32.net/our-business/exploration-projects/hermosa>
- (11) Source: Reyna Silver Presentation (2020) <https://reynasilver.com/presentations/GuiguiProject.pdf>
- (12) Source: Mag Silver Annual Information Form (2016) <https://magsilver.com/site/assets/files/4659/aif2015.pdf>
- (13) Source: Barrick Gold Investor Day, November 2022 Presentation https://s25.q4cdn.com/322814910/files/doc_presentations/2022/11/Barrick_2022_Investor_Day_07_Exploration.pdf

ABOUT US

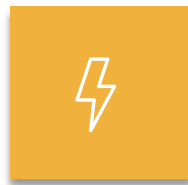
Ridgeline Minerals

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)**



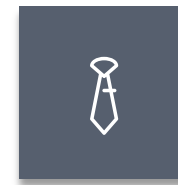
WORLD-CLASS LOCATION

Nevada & Idaho - 163km² exploration portfolio in two of the top ranked mining jurisdictions in the world⁽⁴⁾



CRD DISCOVERY

100% owned Selena silver-gold-lead-zinc discovery with significant growth potential



US\$30M NGM EARN-IN

Nevada Gold Mines earn-in agreement at the Swift project highlights Tier-1 discovery potential



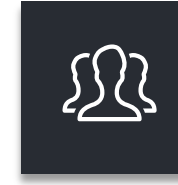
STRATEGIC HOLDINGS

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



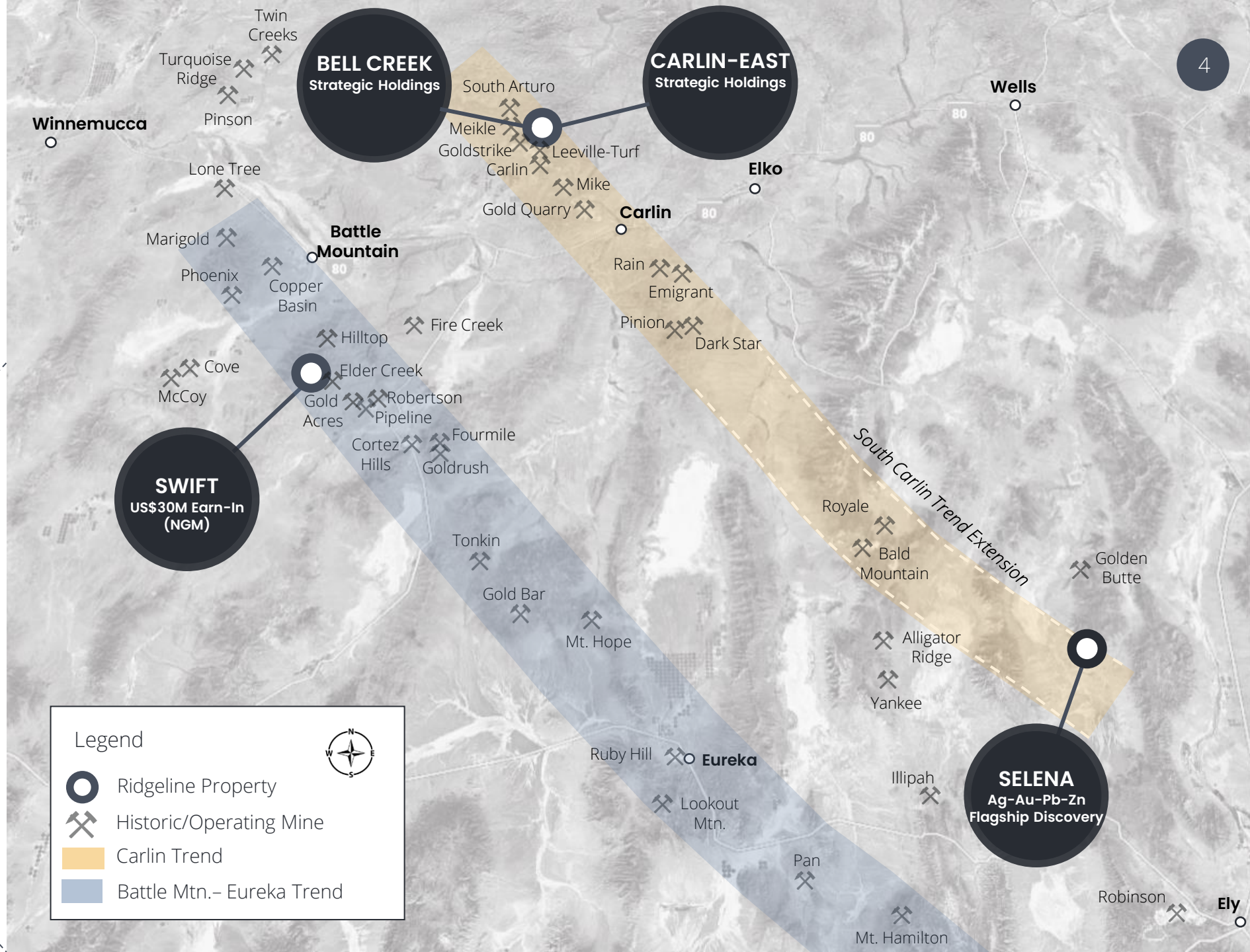
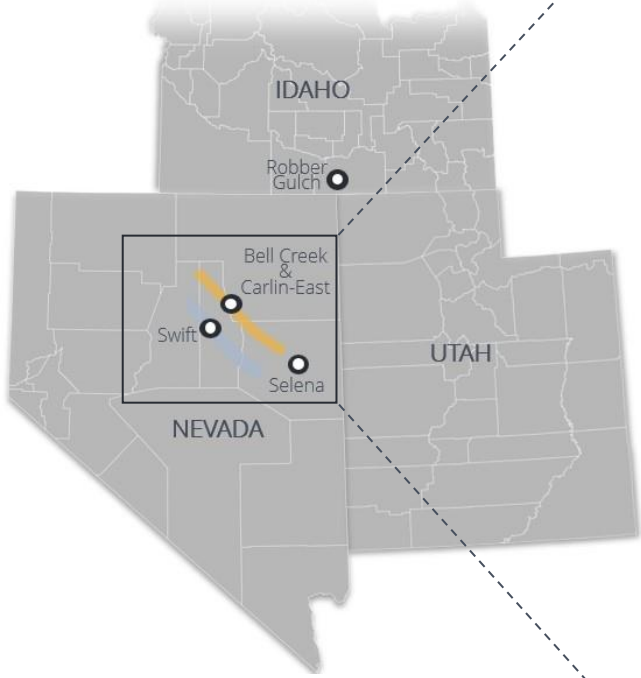
SHAREHOLDER FRIENDLY STRUCTURE

Tight share float with 13% management ownership

CORE LAND POSITIONS

5 Projects

163km² Exploration Portfolio in Nevada & Idaho



Legend

- Ridgeline Property
- Historic/Operating Mine
- Carlin Trend
- Battle Mtn.- Eureka Trend

Business Model



Value Creation Through Discovery

4 Monetize asset via sale

3 Maiden resource

2 Discoveries prioritized and advanced - Selena is HERE

1 Systematic exploration across pipeline of early-stage projects

12-18 mos.

12 mos.

12-24 mos.

DIVERSIFIED PROJECT PIPELINE

Exploration Strategy

FLAGSHIP DISCOVERY

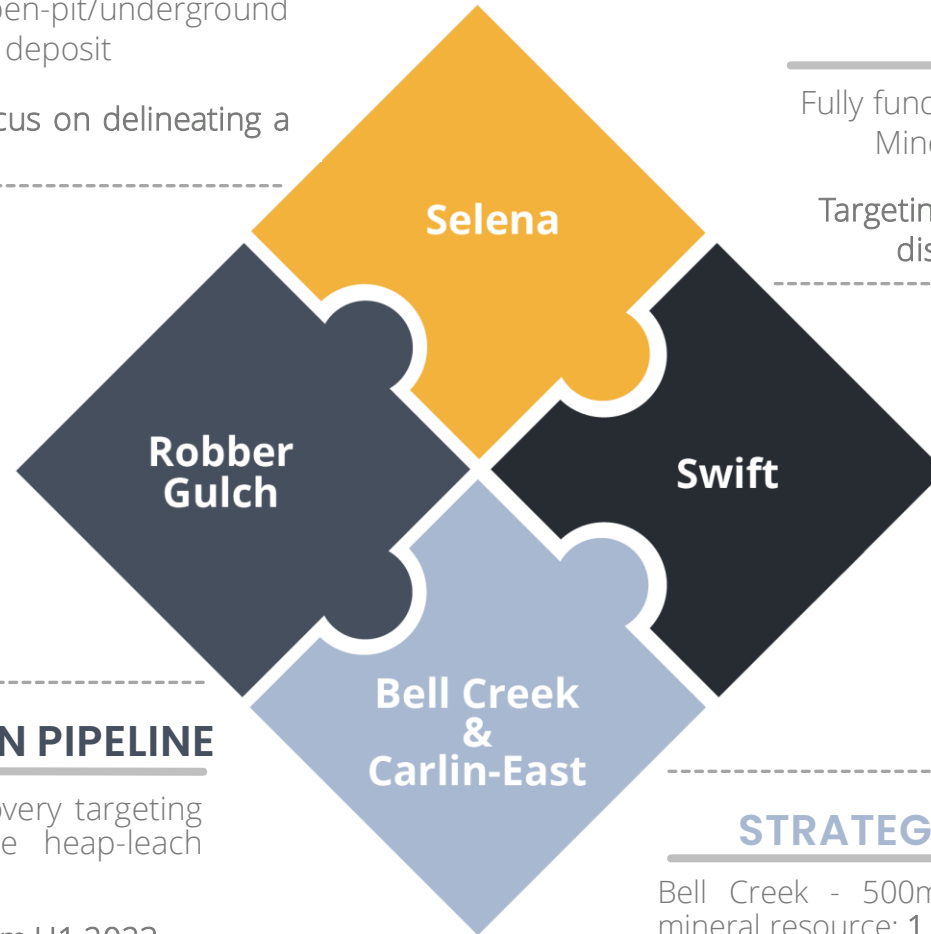
Targeting large open-pit/underground Ag-Au-Pb-Zn (CRD) deposit

2023 drilling to focus on delineating a maiden resource

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 inferred mineral resource: 1.2 Moz. Au @ 7.3 g/t⁽¹⁰⁾

Carlin-East - 3.5km on-strike of North Leeville inferred mineral resource: 0.7Moz Au @ 11.5g/t⁽¹⁰⁾

ALIGNED WITH SHAREHOLDERS Capital Structure

As at January 1, 2023

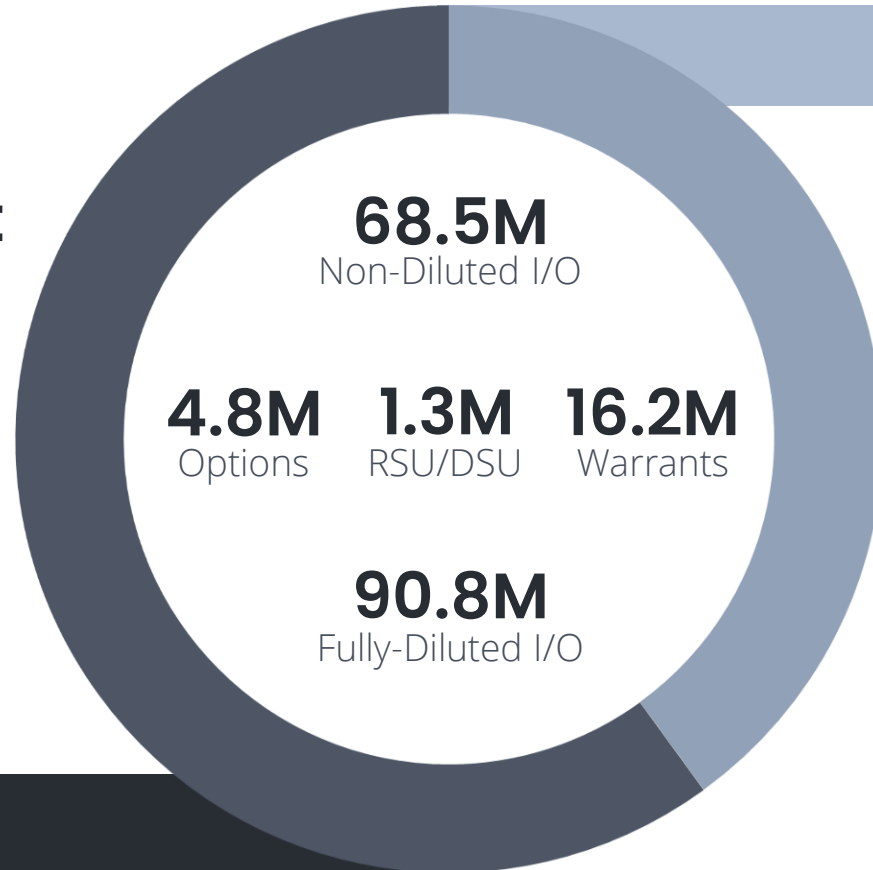


13% Management

- Chad Peters – 5.6%



Cash ~ C\$1.4M



Top 5 Shareholders

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

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

- 6.1M warrants @ \$0.55 (expire Feb 2023)
- 3.8M warrants @ \$0.75 (expire April 2023)
- 6.3M warrants @ \$0.30 (expire Sep 2024)



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



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



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



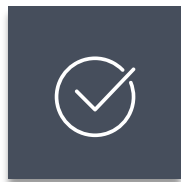
NEVADA PROJECTS

Selena

39 km² Land Package

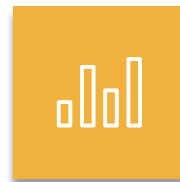
Carbonate Replacement Ag-Au-Pb-Zn

VERIFY
[Click Here](#)



100% OWNED

39km² land package located directly adjacent to Freeport-McMoRan's US \$33M earn-in at the Butte Valley Porphyry



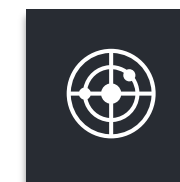
HIGH-GRADE

- Chinchilla Zone
 - 6.1m @ 480 g/t Ag, 12.0% Pb, 6.4% Zn, 0.1 g/t Au, in SE22-045
- Juniper Zone
 - 7.7m @ 725.2 g/t Ag, 1.3% Pb, 0.9% Zn 1.5 g/t Au, in LB-072



THE OPPORTUNITY

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



2023 OBJECTIVE

- Q2 - Plan of Operations Exploration permit approval
- Q3-Q4 - Core program to delineate Chinchilla resource

SELENA

District-Scale Property

- 39km² contiguous land package in the historic Limousine Butte mining district in Nevada
- Shared boundary with the Butte Valley Porphyry, a US \$33M Freeport – McMoRan earn-in agreement with Falcon Butte Minerals (see October 3, 2022 Press Release [HERE](#))
- Project was historically explored for Au-Ag but unrecognized as a Ag-Au-Pb-Zn Carbonate Replacement Deposit (CRD) until now



SELENA

Discovery Potential

Selena
CRD Discovery - Nevada

Hilltop
CRD Discovery - Nevada

Hermosa-Taylor
CRD Deposit - Arizona

Cinco De Mayo
CRD Deposit - Mexico

Santa Eulalia
CRD Mine - Mexico

USA
MX

CRD Belt

Selena (Ridgeline) → OPEN 3.7km + Strike
Discovery Holes (2021-2022⁽²⁾)
6.1m @ 480 g/t Ag, 6.4% Zn, 12.0% Pb, 0.1 g/t Au – SE22-045
4.6m @ 421.0 g/t Ag, 3.7% Zn, 4.4% Pb, 0.6 g/t Au – SE21-024

Hilltop (I-80 Gold) → 1.0km + Strike
Discovery Hole (2022)
28.3m @ 515.3 g/t Ag, 28.9 % Pb, 10.5 % Zn & 0.9 g/t Au – iRH22-43

Hermosa/Taylor (South32) → 4.0km + Strike
Pre-Feasibility Study (2022⁽¹⁰⁾)
138 MT @ 81.0 g/t Ag, 3.8% Zn, 4.3% Pb

Cinco De Mayo (Mag Silver) → 2.0km + Strike
Inferred Mineral Resource (2012⁽¹²⁾)
12.5 MT @ 132.0 g/t Ag, 6.5% Zn, 2.9% Pb, 0.2 g/t Au

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SELENA

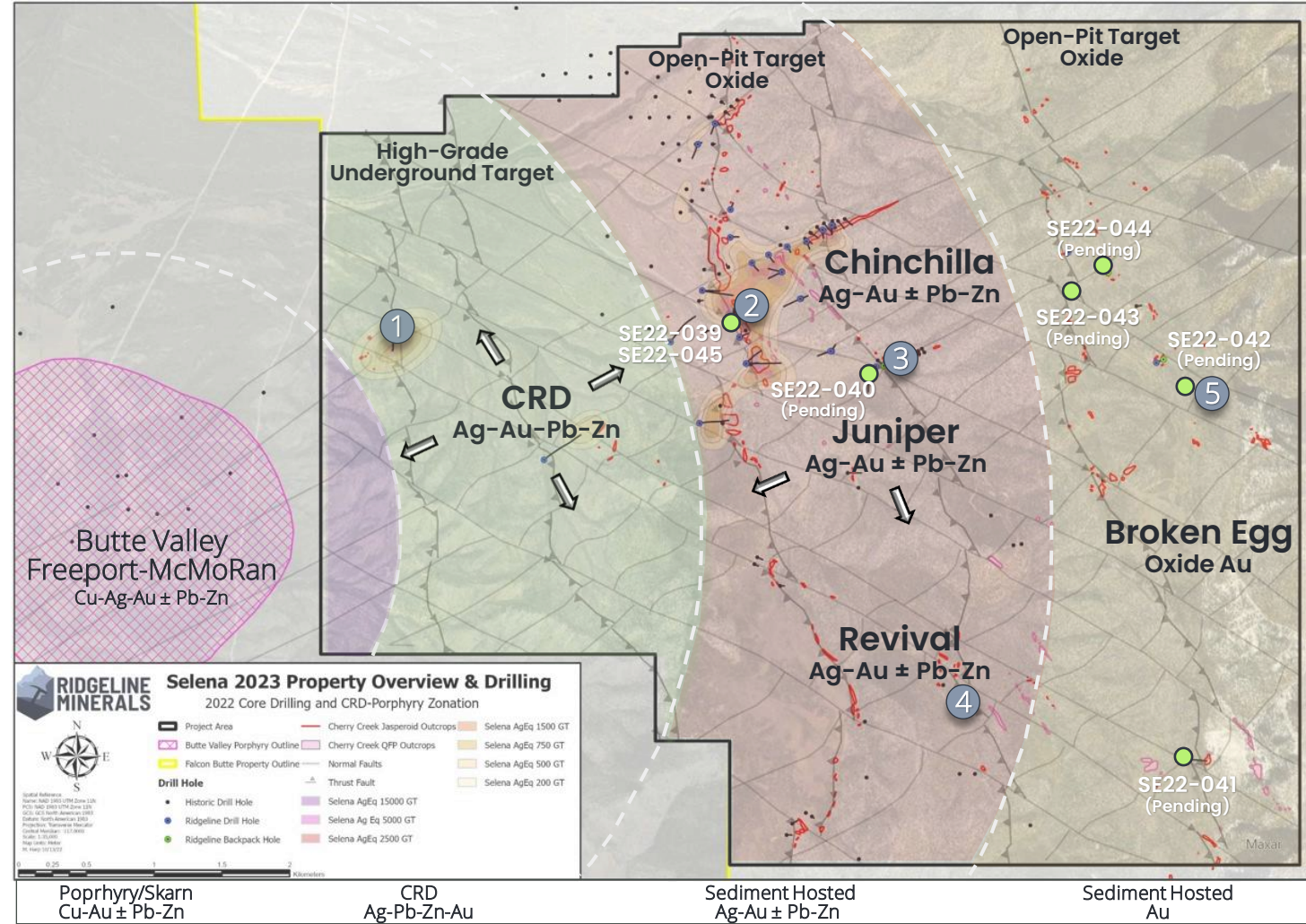
Deposit Zonation

- Selena exhibits classic CRD zonation over ~8km of strike between the Butte Valley Porphyry and the Broken Egg target

Highlight Drill Intercepts By Target

- 3.0m @ 40.2 g/t Ag, 0.2% Pb, 6.8% Zn, 3.0 g/t Au - SE22-037
- 6.1m @ 480.0 g/t Ag, 12.0% Pb, 6.4%, 0.1 g/t Au (SE22-045)
4.6m @ 421.0 g/t Ag, 4.4% Pb, 3.7% Zn, 0.6 g/t Au (SE21-024)
4.6m @ 230.0 g/t Ag, 4.2% Pb, 1.8% Zn, 0.1 g/t Au (SE21-025)
- 1.0m @ 2,467.2 g/t Ag, 1.1% Pb, 1.4% Zn, 5.1 g/t Au within
7.7m @ 725.2 g/t Ag, 1.3% Pb, 0.9% Zn, 1.5 g/t Au (LB-072)
1.0m @ 1,195.2 g/t Ag, 0.2% Pb, 0.1% Zn, 3.0 g/t Au (LB-070)
- 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 Deposit Zonation

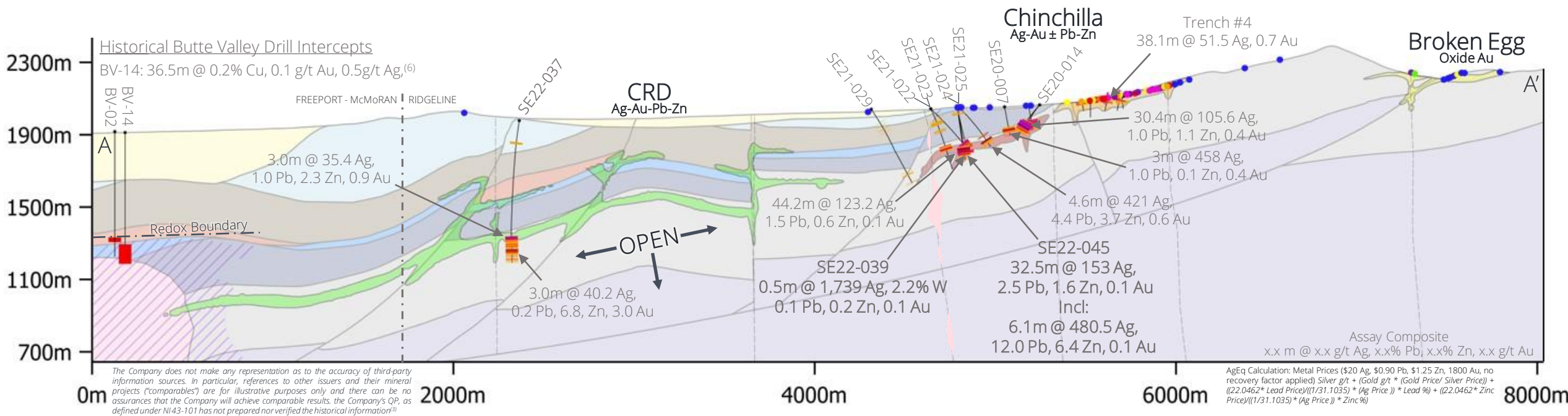


For a full table of Selena assay results click [HERE](#)



SELENA

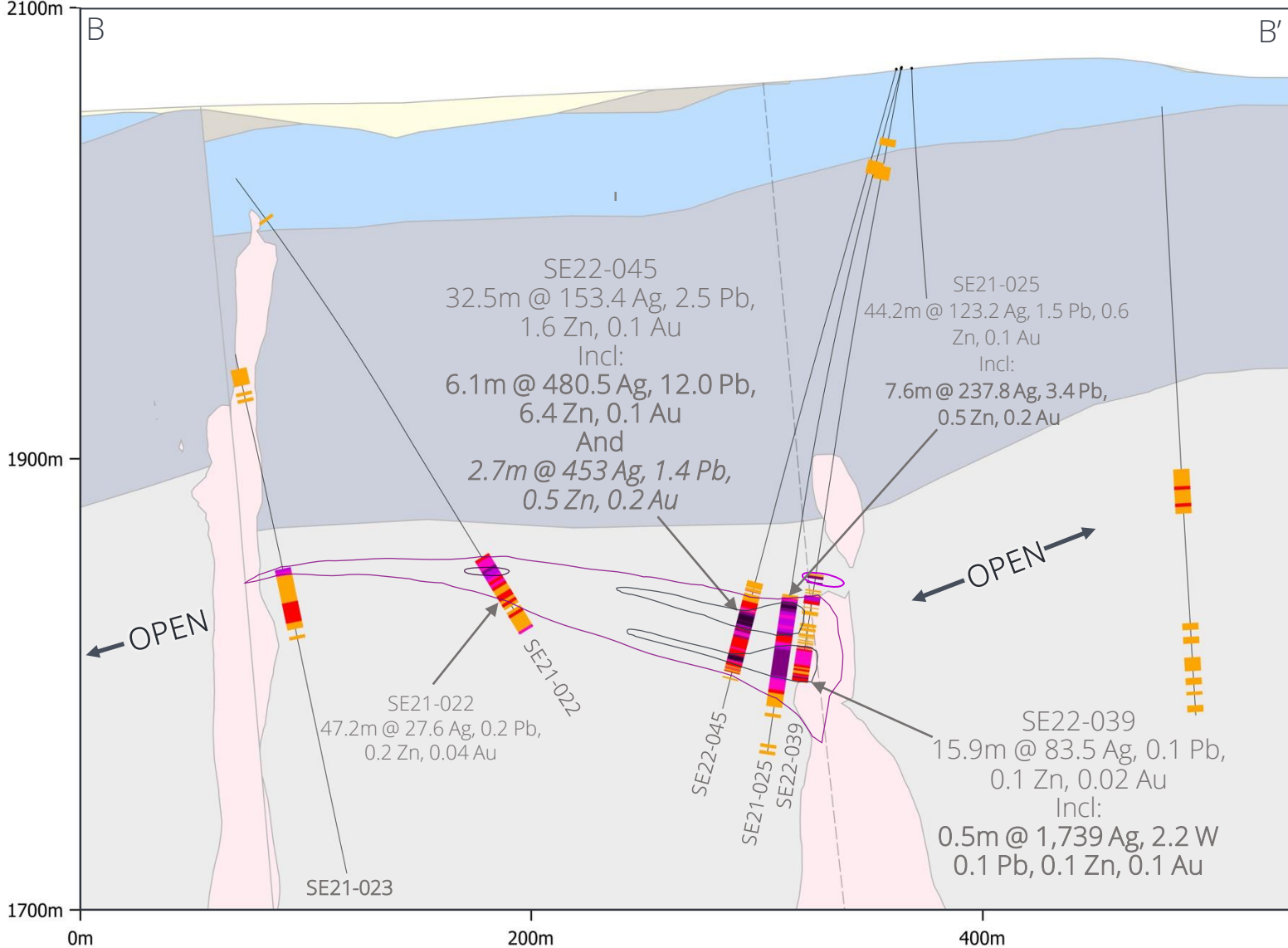
Chinchilla Schematic Long Section A-A'



Stratigraphy		Mineralization		Drill Trace (AgEq g/t)		Rock Chip (Au g/t)		Section Location
Alluvium	Joanna Limestone	Au Oxide	Ag-Au ± Pb-Zn Oxide	≤ 20	> 500	< 0.1	≤ 2.0	
Fanglomerate	Pilot Shale	Ag-Au ± Pb-Zn Oxide	Ag-Au-Pb-Zn Oxide	≤ 50		≤ 0.1	> 2.0	
Intrusion	Guilmette Limestone	Ag-Au-Pb-Zn Oxide	Ag-Au-Pb-Zn Sulfide Target	≤ 100		≤ 0.2		
Ely Limestone	Simonson Dolomite	Ag-Au-Pb-Zn Sulfide Target	Fault	≤ 200		≤ 0.5		
Chainman Shale	Porphyry Hornfels-Skarn	Inferred Fault		≤ 500		> 1.0		

SELENA

Chinchilla X-Section B-B'



Stratigraphy

- Alluvium
- Chainman Shale
- Joanna Limestone
- Pilot Shale
- Guilmette Limestone
- QFP Intrusive

Drill Trace (AgEq g/t)

- ≤ 20
- ≤ 50
- ≤ 100
- ≤ 200
- ≤ 500
- > 500

Contour

- > 200 g/t Contour
- > 500 g/t Contour

Assay Composite
x.xm @ x.x g/t Ag, x.x% Pb, x.x% Zn, x.x g/t Au

AgEq Calculation
Metal Prices (\$20 Ag, \$0.90 Pb, \$1.25 Zn, 1800 Au, no recovery factor applied) $Silver\ g/t + (Gold\ g/t * (Gold\ Price / Silver\ Price)) + ((22.0462 * Lead\ Price) / (1/31.1035) * (Ag\ Price)) * Lead\ % + ((22.0462 * Zinc\ Price) / (1/31.1035) * (Ag\ Price)) * Zinc\ %$

Section Location (Looking NE)

Selena Boundary

RIDGELINE MINERALS

SELENA

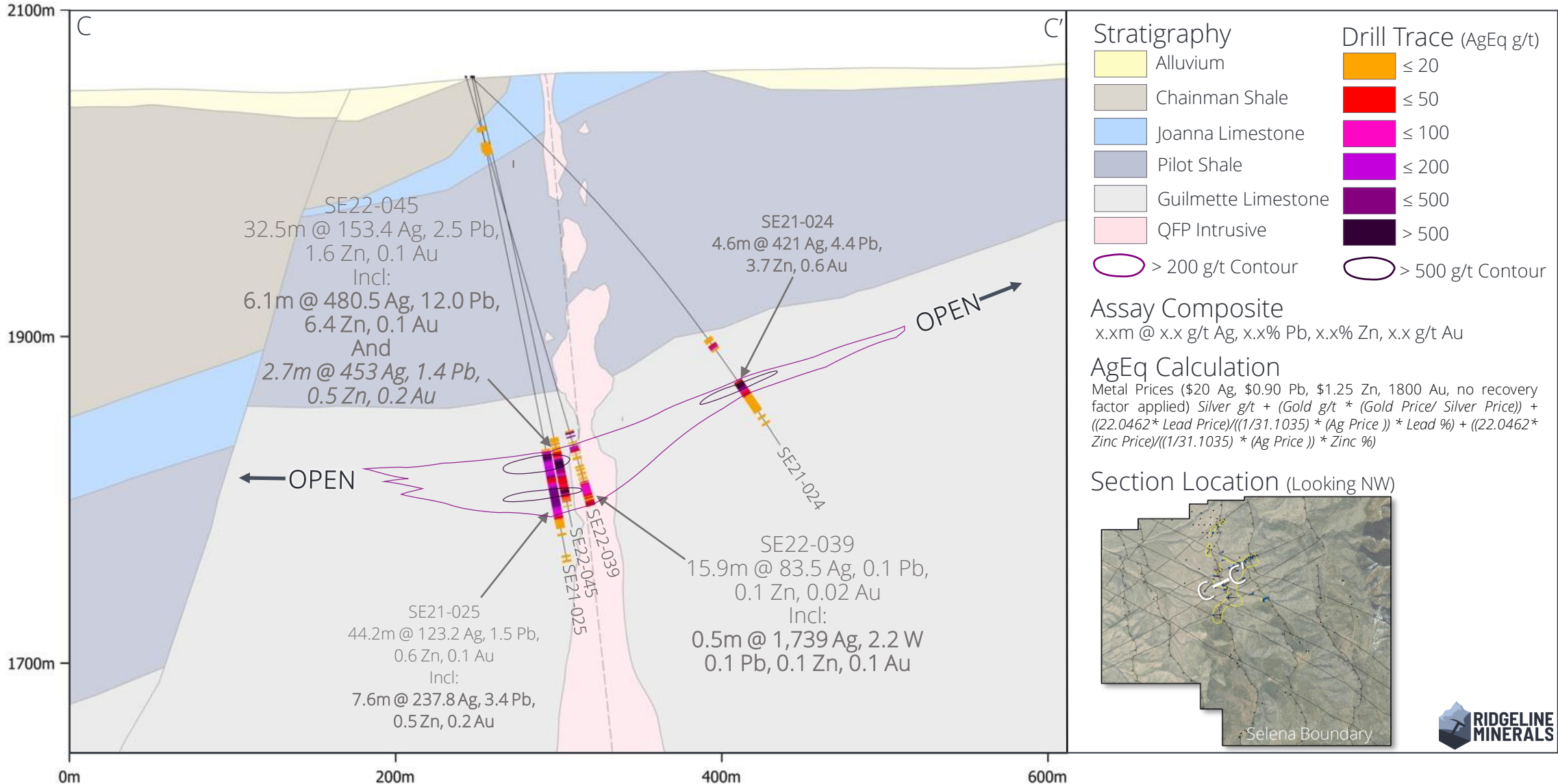
SE22-045 High-Grade

- SE22-045 returned the single best Ag-Au-Pb-Zn CRD drill intercept in the project's history
 - 32.5 m grading 153.42 g/t Ag, 2.51% Pb, 1.60% Zn, 0.09 g/t Au, starting at 235 m true vertical depth
 - Including: 6.1 m grading 480.52 g/t Ag, 12.0% Pb, and 6.39% Zn, 0.14 g/t Au in SE22-045
 - *Including 0.7 m grading 1,347.73 g/t Ag, 28.89% Pb and 12.02% Zn, 0.11 g/t Au*
- Core vs RC drilling upgraded Ag-Pb-Zn grades throughout with increases ranging from 50-70% when compared to the same high-grade zone interested in 2021 RC drill hole SE21-025



SELENA

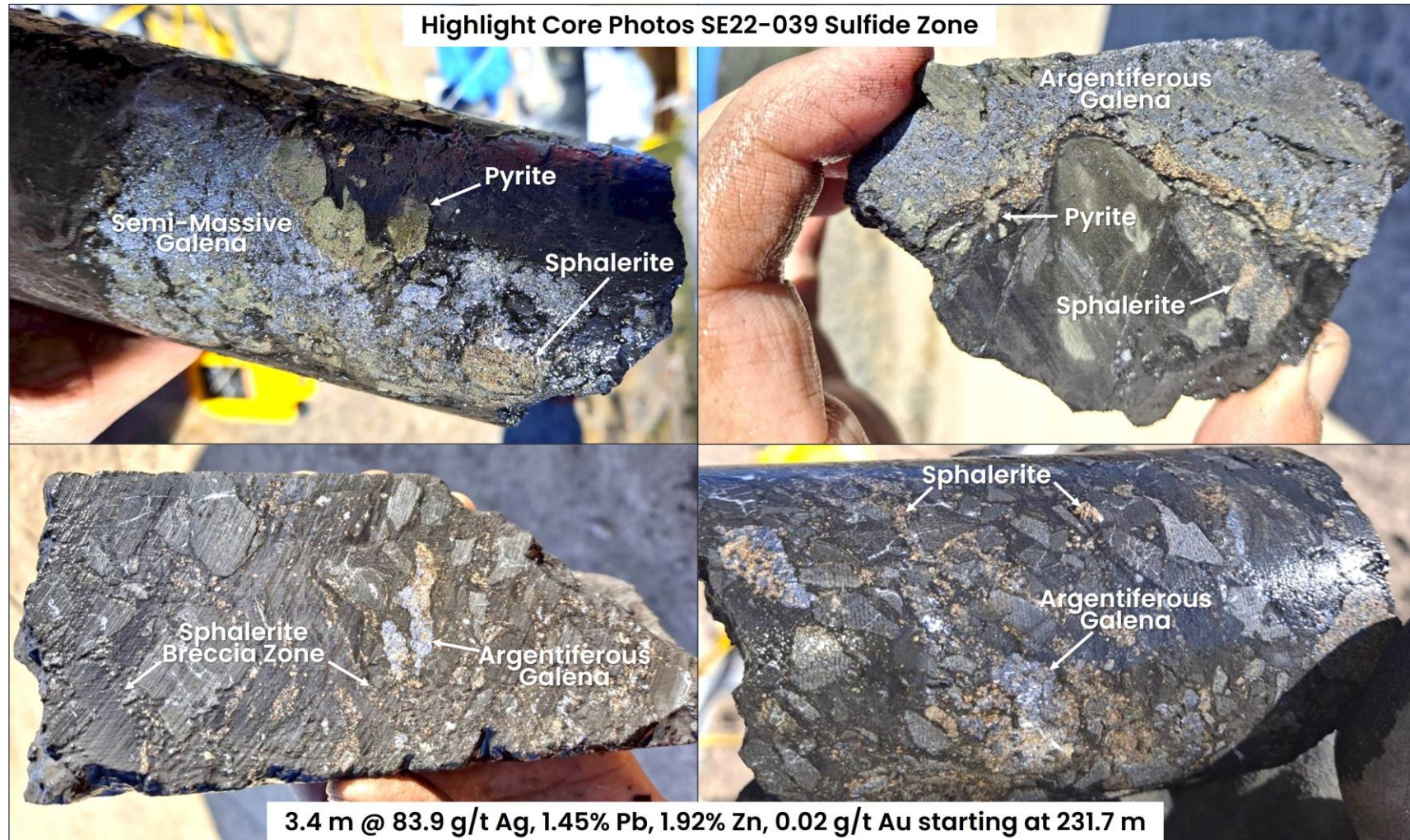
Chinchilla X-Section C-C'



SELENA

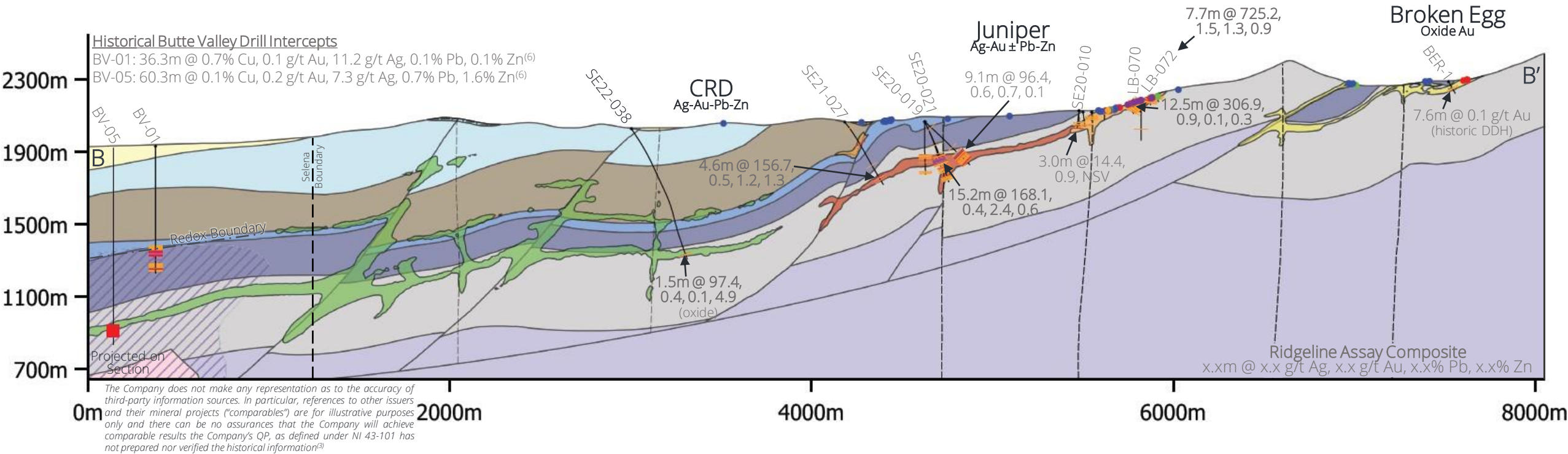
SE22-039 Sulfide Zone

- SE22-039 drilled the first intercept of known sulfide CRD mineralization at Selena and highlights potential for additional zones of sulfide mineralization along strike and at depth



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

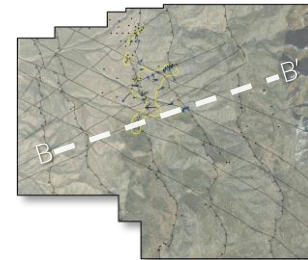
Drill Trace (AgEq g/t)

≤ 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

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.) @ 95.2 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
- Permitting and drill pad construction



Q4 2022

- Core drill program (7-10 shallow holes)
- Assay results in Q1 2023

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 **Cinco De Mayo (Mag Silver)** and **Hermosa-Taylor (South32)** deposits
 - US \$33M Freeport-MacMoRan earn-in with Falcon Butte Minerals shares property boundary with Selena
- Q4 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
 - Plan of operations will allow company to begin delineating a maiden resource

NEVADA PROJECTS

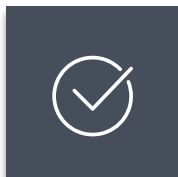
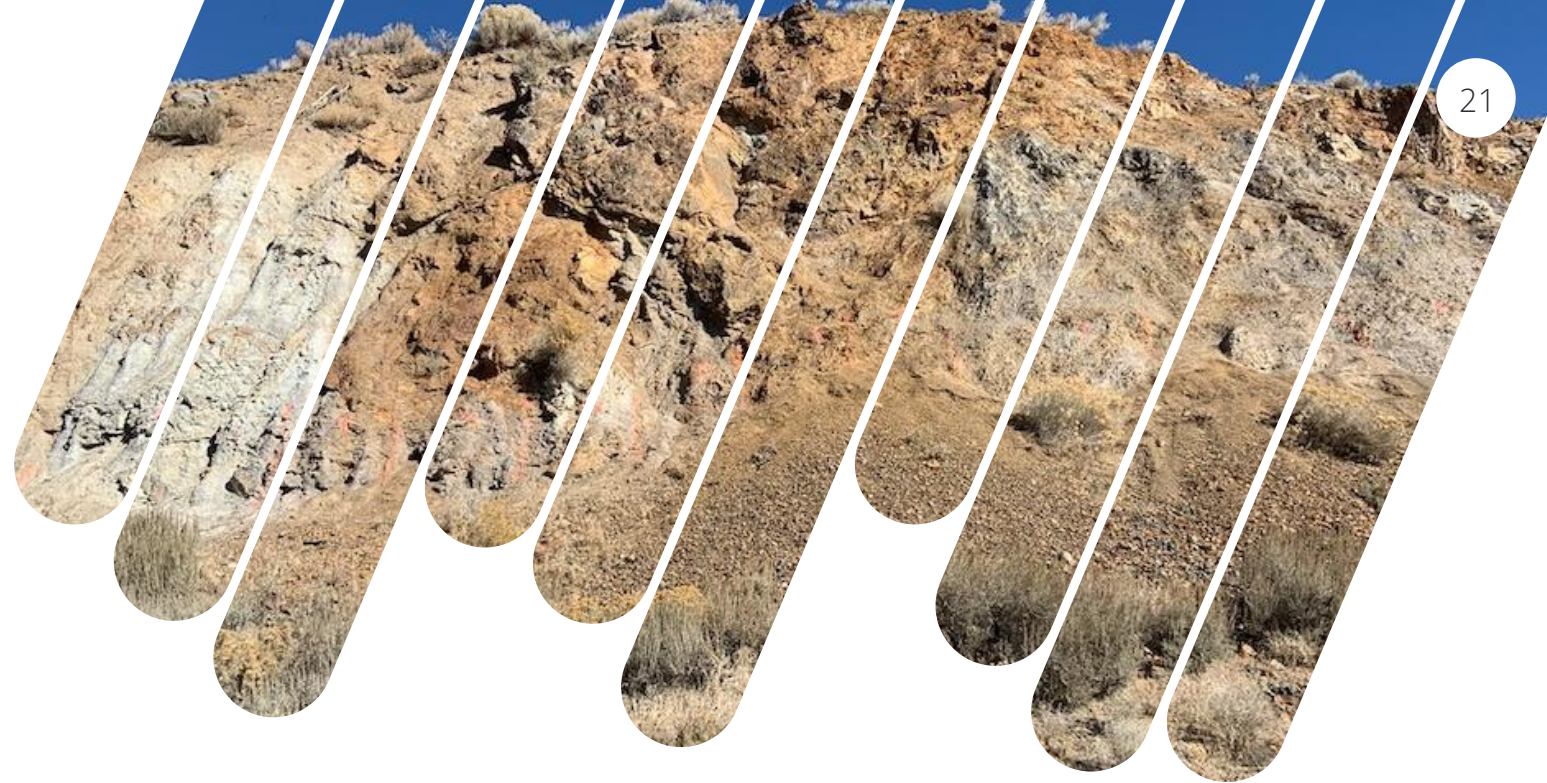
Swift

Optioned – Nevada Gold Mines (NGM)

75 km² Land Package

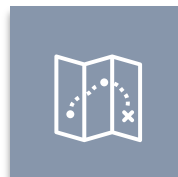
Carlin- Type Au ± Ag

VERIFY
[Click Here](#)



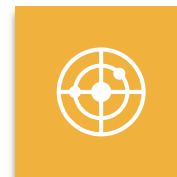
NGM EARN-IN

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



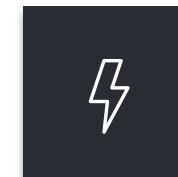
LOCATION

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



THE OPPORTUNITY

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



2022 OBJECTIVE

- NGM operated “framework” drill program has been designed to test multiple high-priority targets

SWIFT

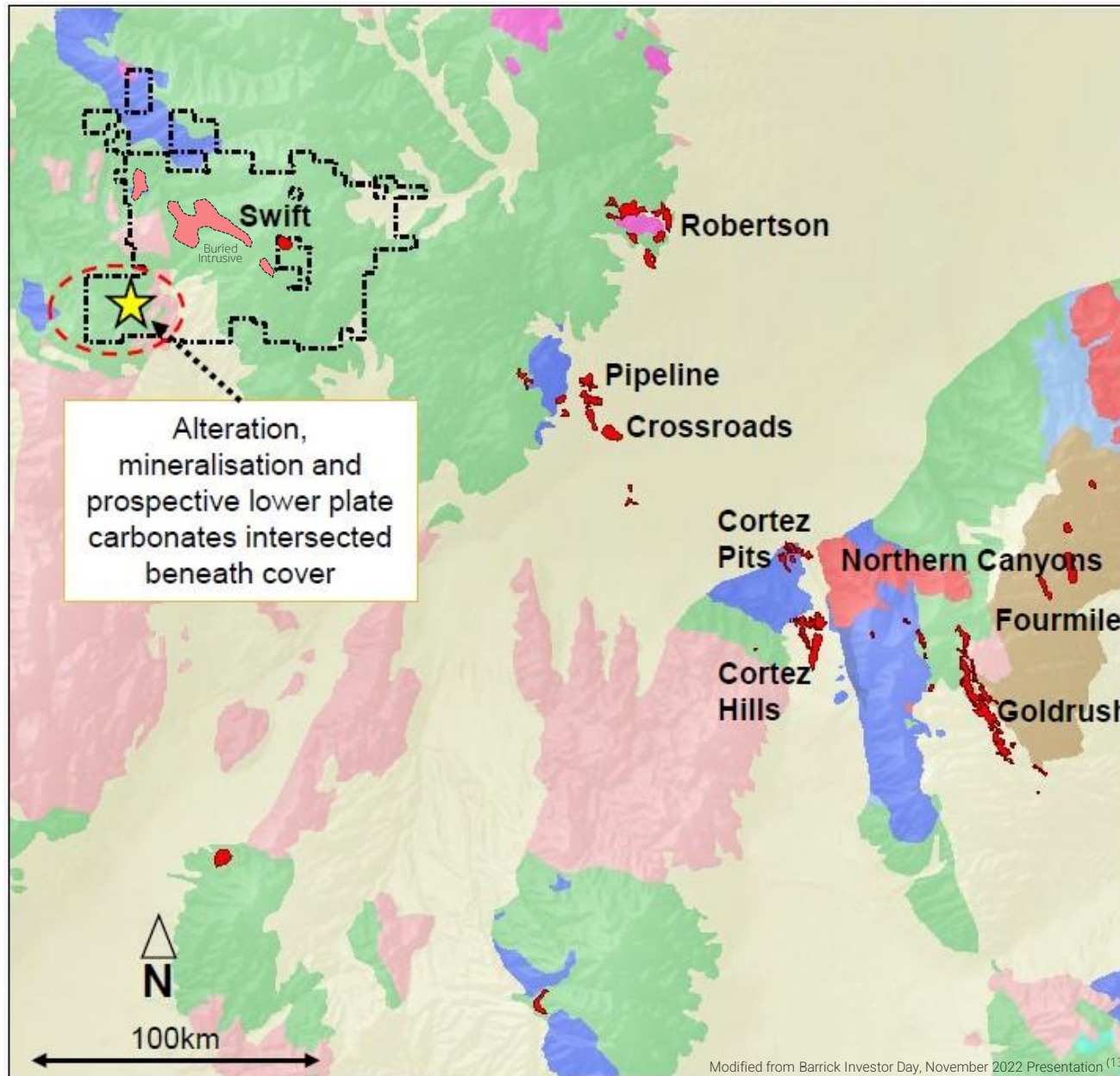
NGM Drill Program

- NGM Q3-Q4 2022 drill program has intersected prospective alteration and mineralization (assays pending)

“Framework drilling on the Swift project, intersects Lower Plate carbonates at only 570 meters depth with several low angle structures, significant alteration and anomalous gold”

Barrick Quote – Investor Day, November 2022 ⁽¹³⁾

- “Framework” drill program comprised of widespread drill holes designed to test the Swift geologic model - similar approach led to past discoveries at Goldrush and Fourmile



See Barrick Investor Day, November 2022 Report [HERE](#)



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



NEVADA PROJECTS

Bell Creek

5 km² 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 inferred mineral resource 1.2 million ounces Au @ 7.3 g/t⁽⁹⁾



2022 OBJECTIVE

Assess potential for strategic exploration partnerships to advance project

BELL CREEK

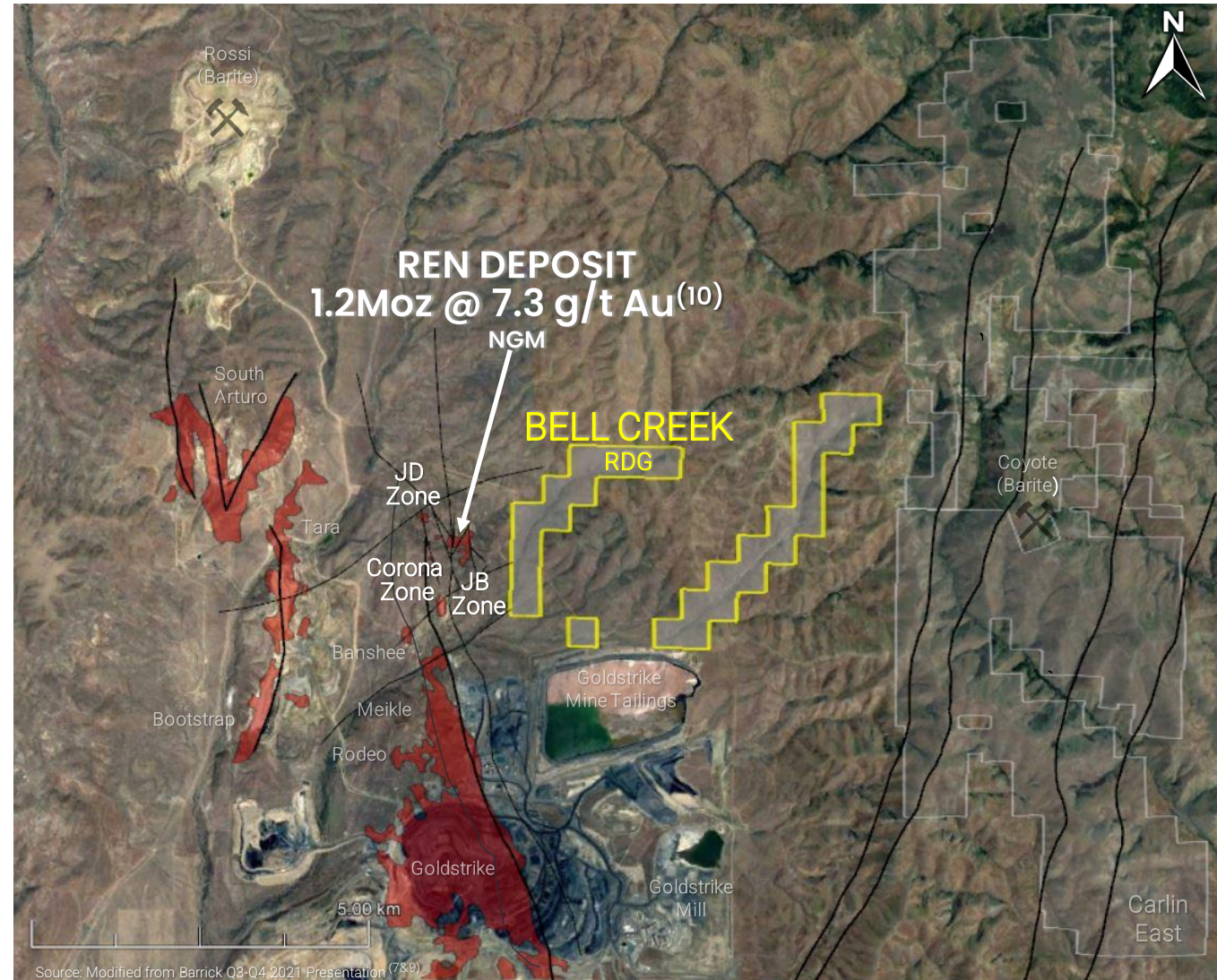
Strategic Mineral Rights

- NGM announced maiden Ren Deposit inferred mineral resource on February 10, 2022, of 1.20Moz Au grading 7.3 g/t Au⁽⁹⁾
 - 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⁽⁹⁾

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

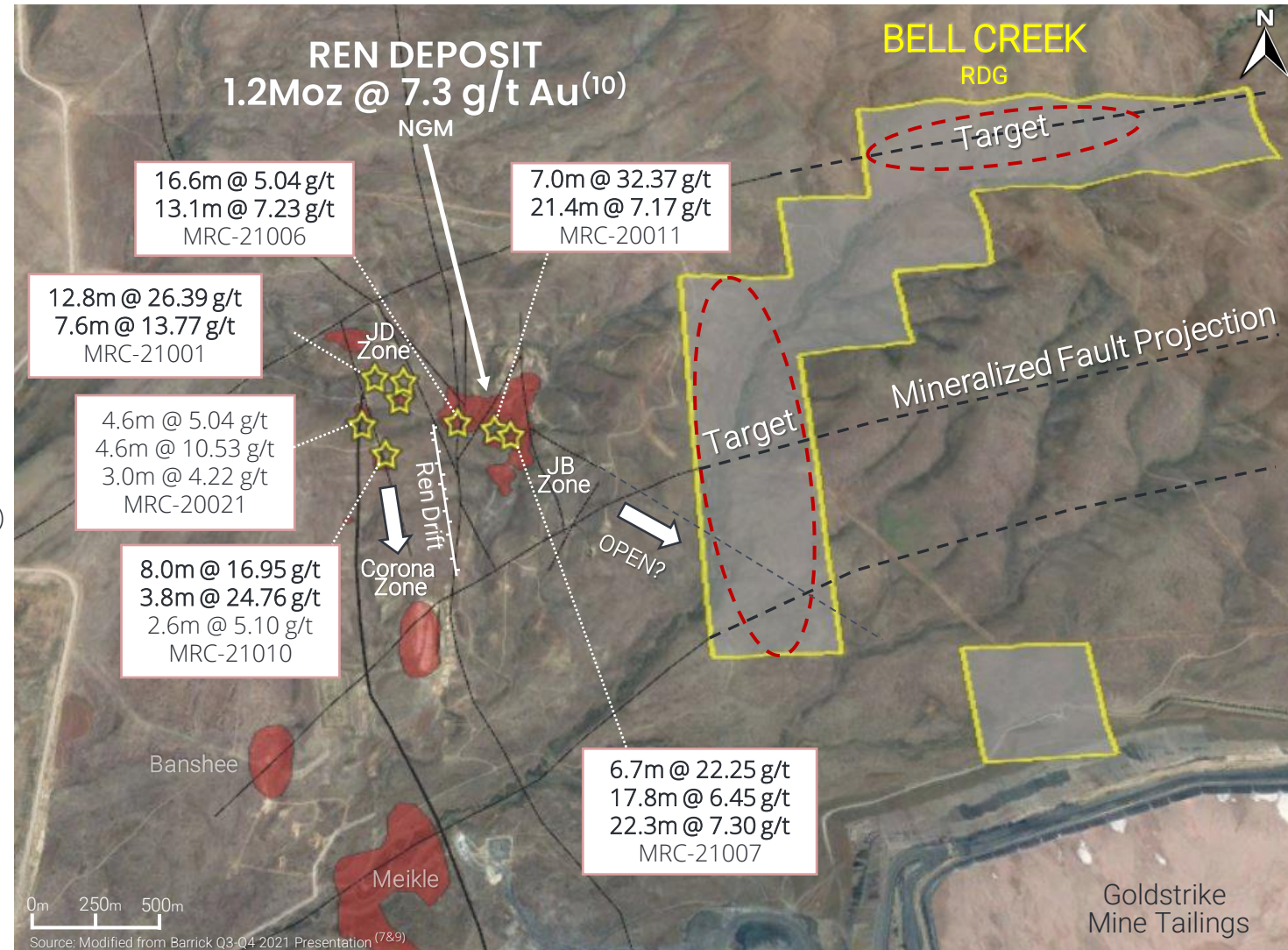


See Barrick Q4 2021 Quarterly Report [HERE](#)

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⁾
 - 7.0m @ 32.37 g/t Au in MRC-20011 ⁽⁷⁾
- 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 km² Carlin Trend Land Package

Carlin- Type Au ± Ag

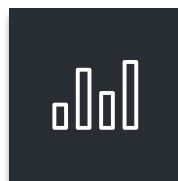
VERIFY

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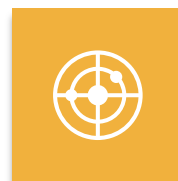
100% OWNED

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



STRATEGIC LOCATION

4km down-strike of the Leeville mine⁽¹⁾ and the North Leeville inferred mineral resource: **0.7 million ounces Au @ 11.5 g/t⁽⁹⁾**



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

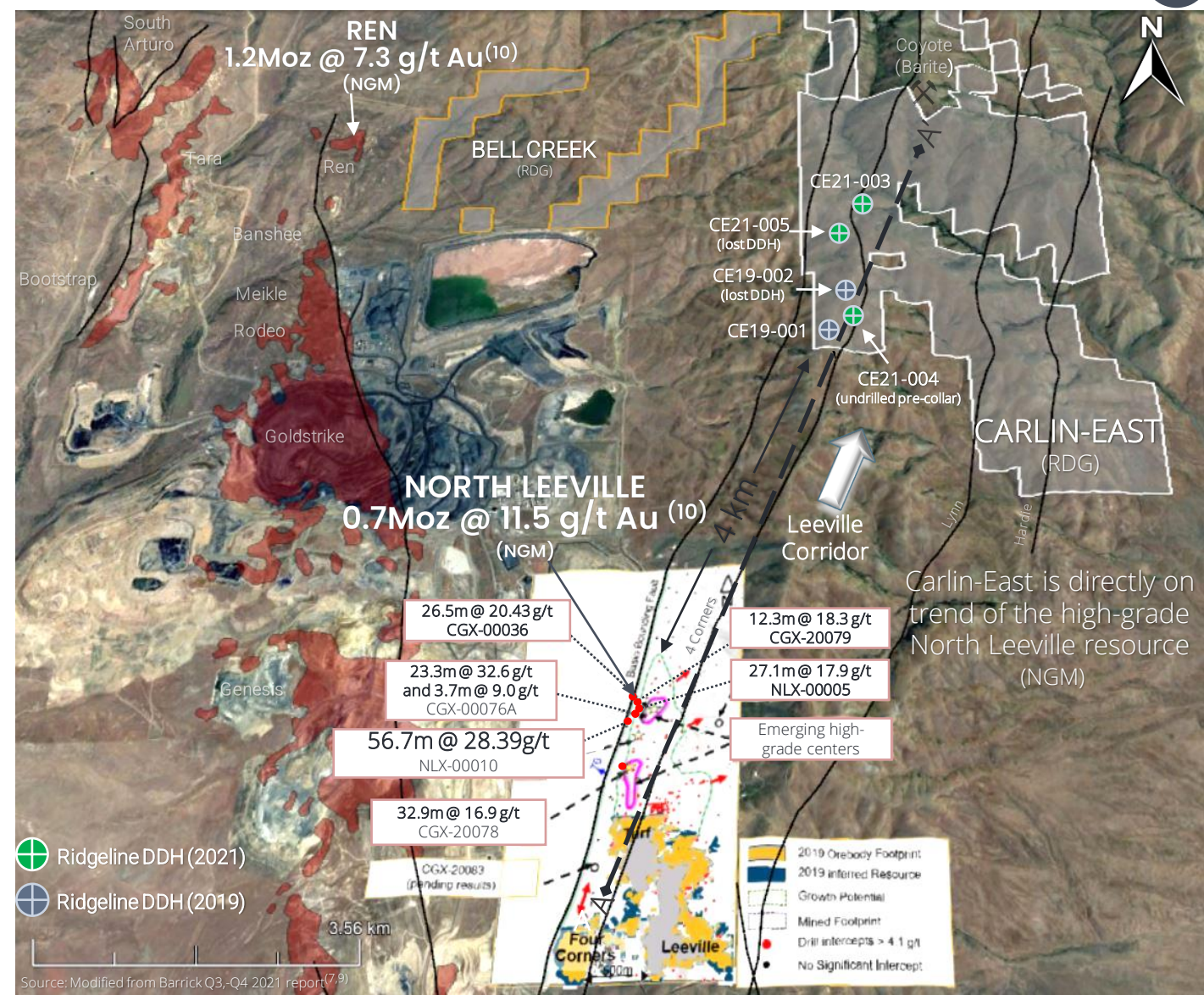
- Directly on-strike of NGM's high-grade maiden North Leeville inferred mineral resource of 0.7 Moz. Au @ 11.5 g/t⁽⁹⁾

Highlight NGM Drill Intercepts

- 56.7m @ 28.39 g/t Au in NLX-00010⁽⁷⁾
- 23.3m @ 32.6 g/t Au in CGX-00076A⁽⁵⁾

"...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."

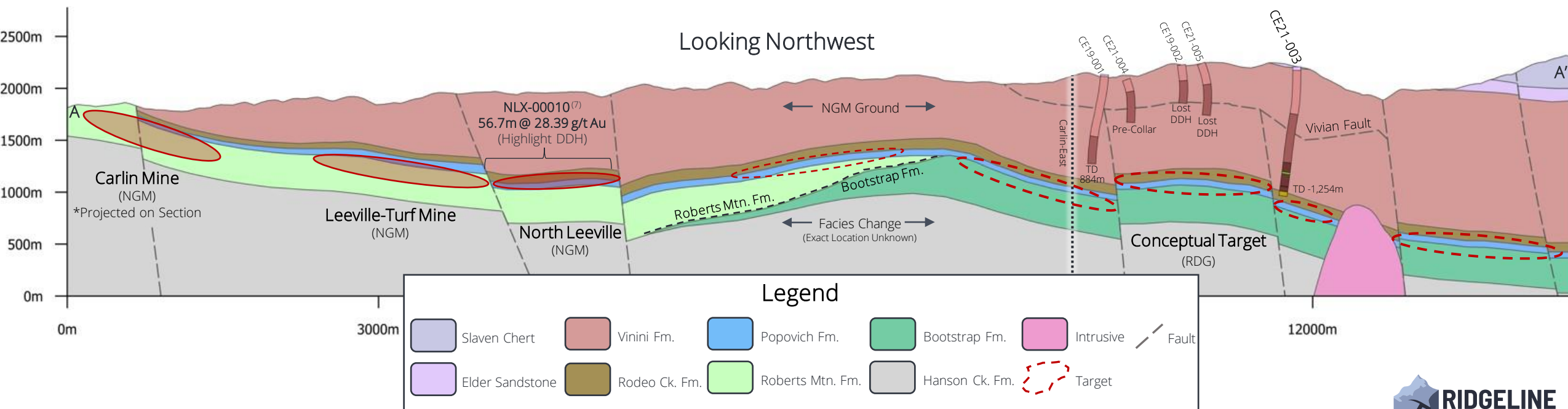
Barrick Full Year 2021 Results - North Leeville⁽¹⁰⁾



CARLIN-EAST

Leeville Schematic Long Section

- CE21-003 intersected unaltered Rodeo Creek Formation (a host at North Leeville) and is interpreted to have drilled the deeper, down-dropped 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)



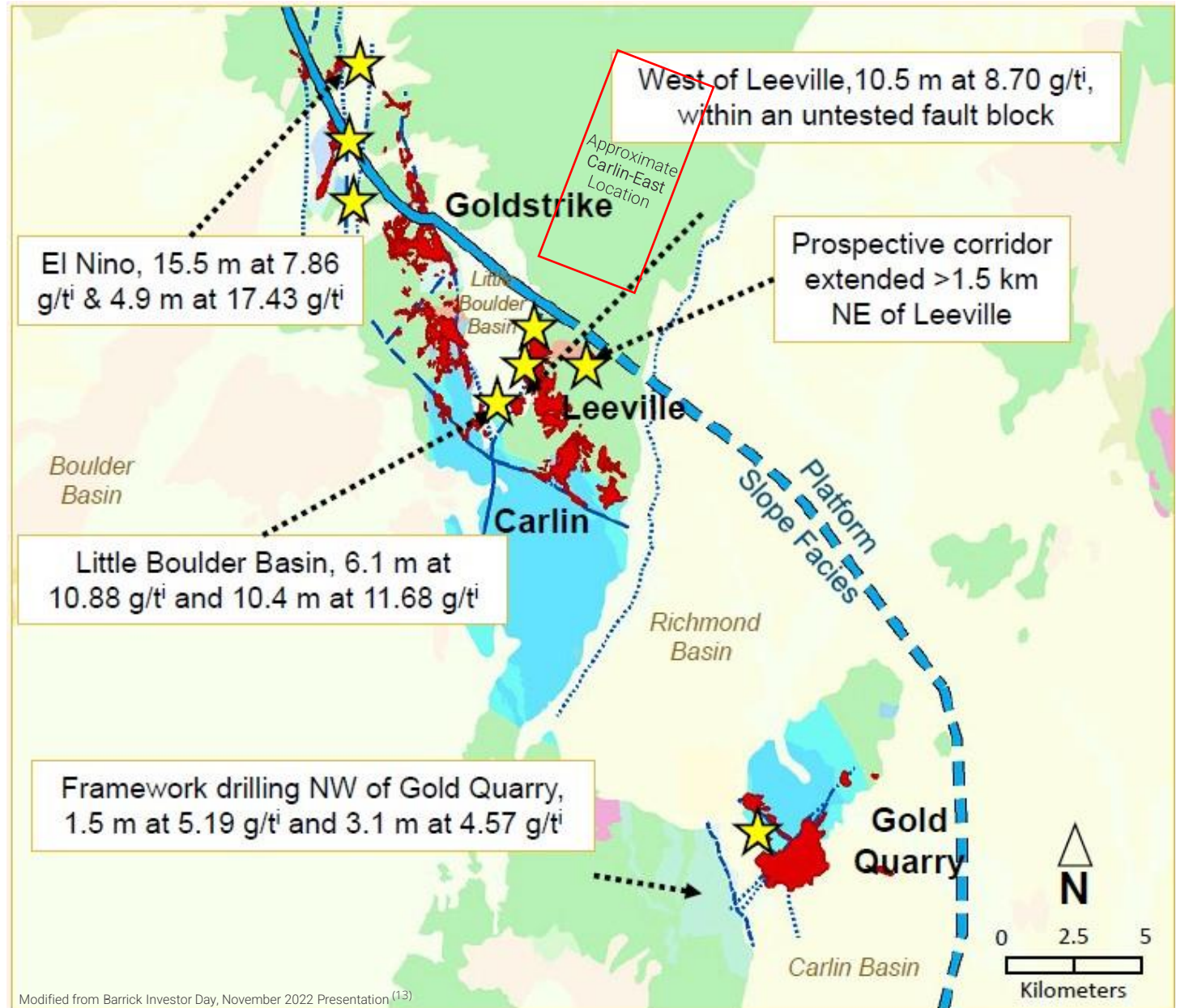
Carlin-East

NGM Exploration

- Exploration continues throughout the highly prospective Leeville corridor with NGM testing targets to the northeast towards Carlin-East

“Northeast of Leeville, drilling has intersected the thickest section ever of favourable host rocks, extending the prospective corridor over 1.5 km from the ore body”

Barrick Quote – Investor Day, November 2022 ⁽¹³⁾



IDAHO PROJECT

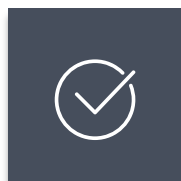
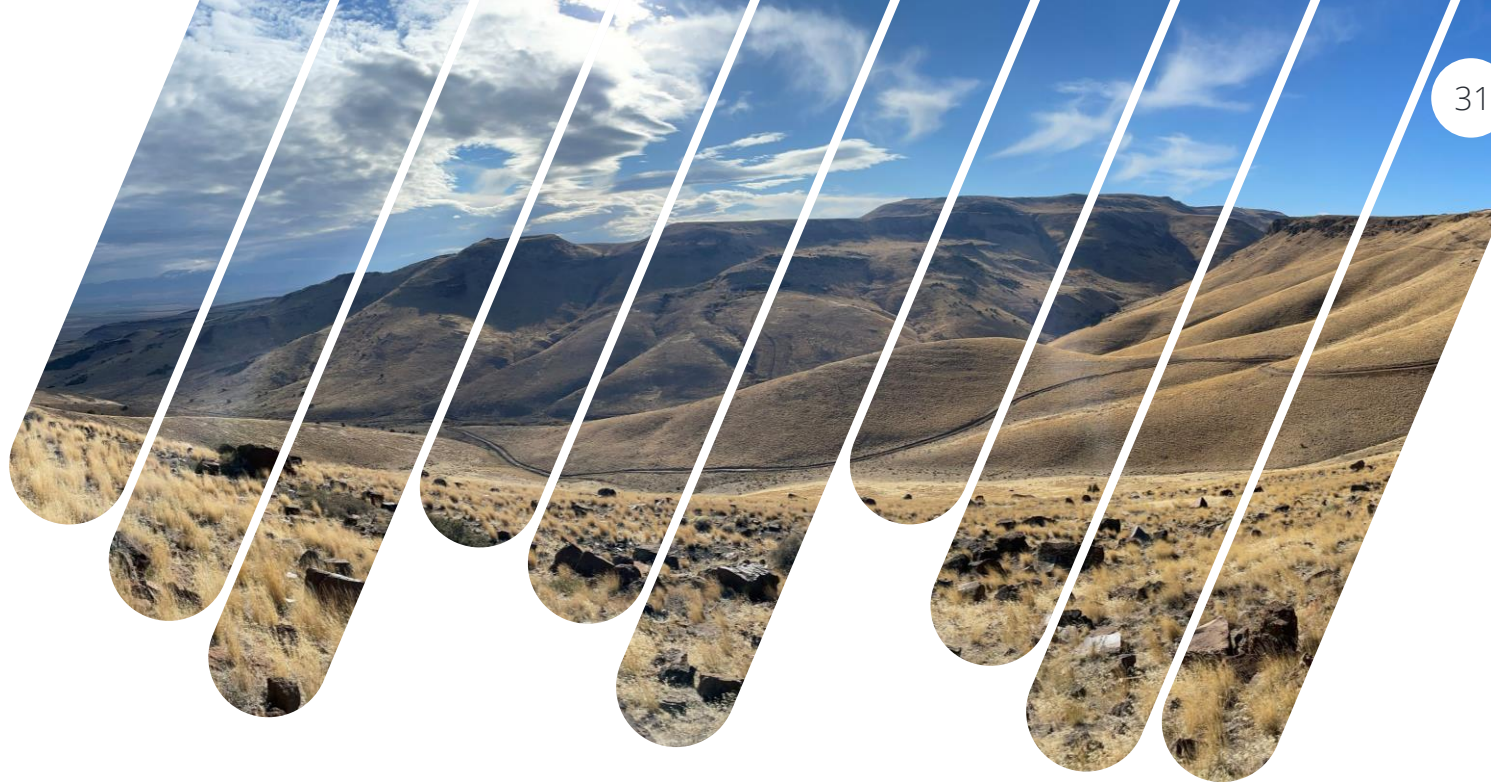
Robber Gulch

9 km² Land Package

Carlin-Type Oxide Open-Pit Au

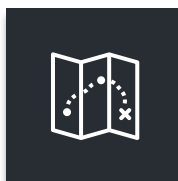
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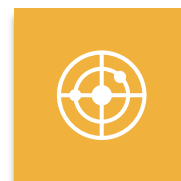
100% OWNED

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



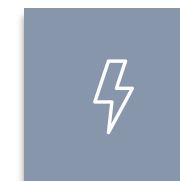
EMERGING AU DISTRICT

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



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

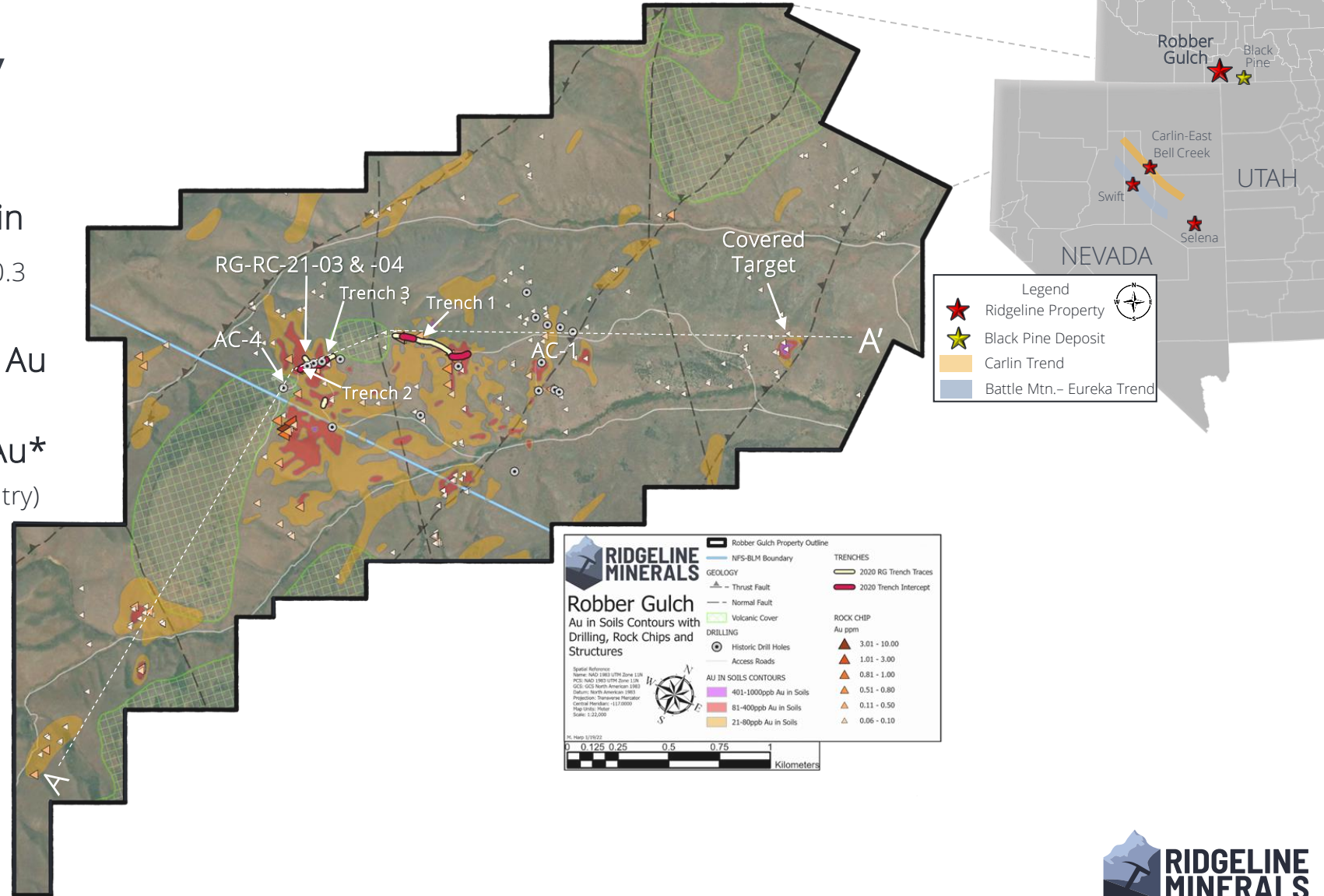
Proven Discovery

Historical Drill Highlights^(3,8)

- 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⁽³⁾

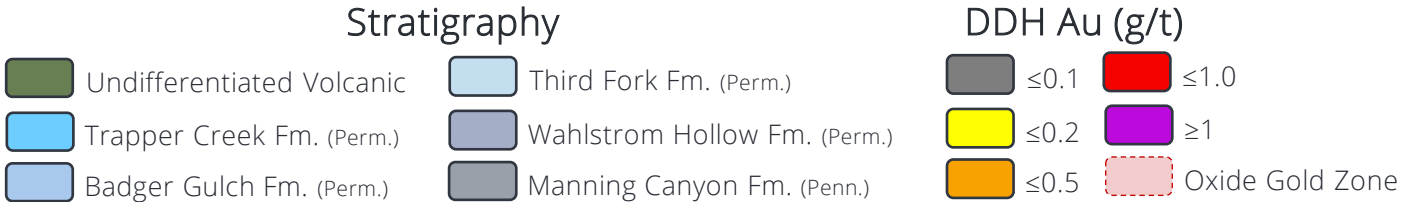
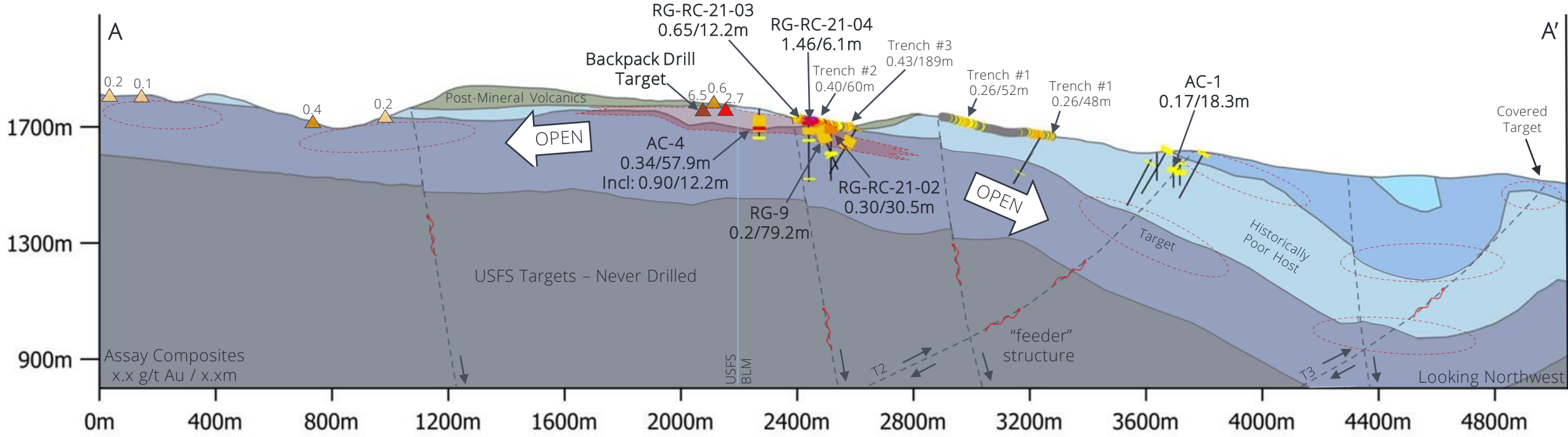
- Trench 1: 52m @ 0.26 & 48m @ 0.26 g/t Au
- Trench 2: 60m @ 0.40 g/t Au
- Trench 3: 189m @ 0.43 g/t Au



ROBBER GULCH

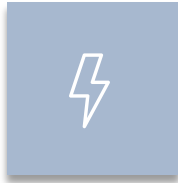
Schematic X-Section A-A'

- 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

**Q1 2023**

- Selena - Drill results (7 holes)
- Swift – Drill results (3 holes)

**Q2 2023**

- Selena – Plan of Operations exploration permit approval (200 acres)
- Robber Gulch –Backpack drilling & prospecting
- Swift – NGM drill program anticipated

Corporate Catalysts

- Selena CRD discovery exhibits significant growth potential with Q4 drill program returning the highest grades ever drilled at the project
- 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 completed in 2022
- 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
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ridgelineminerals.com



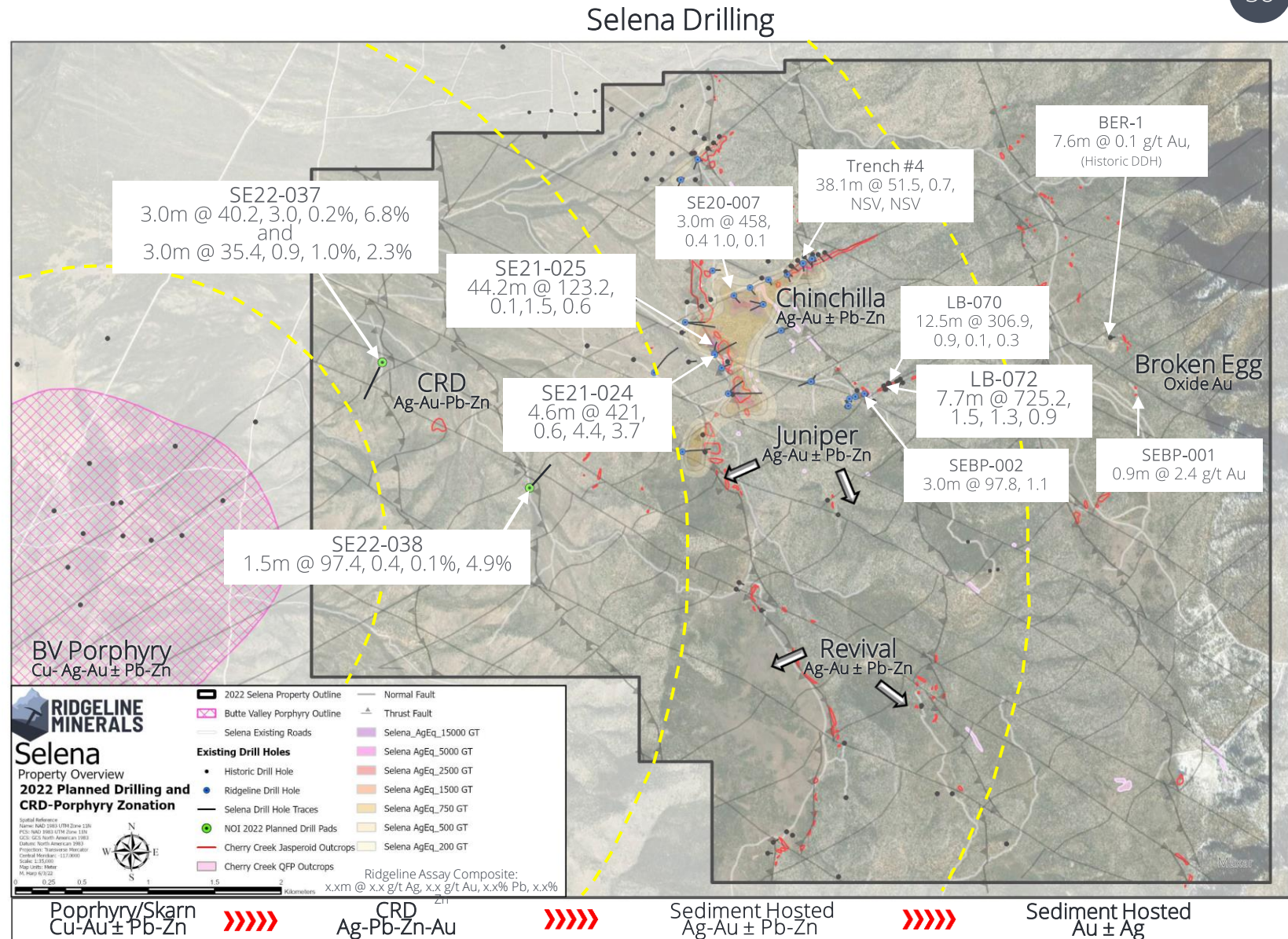
APPENDIX

Selena

SELENA

Zonation Model

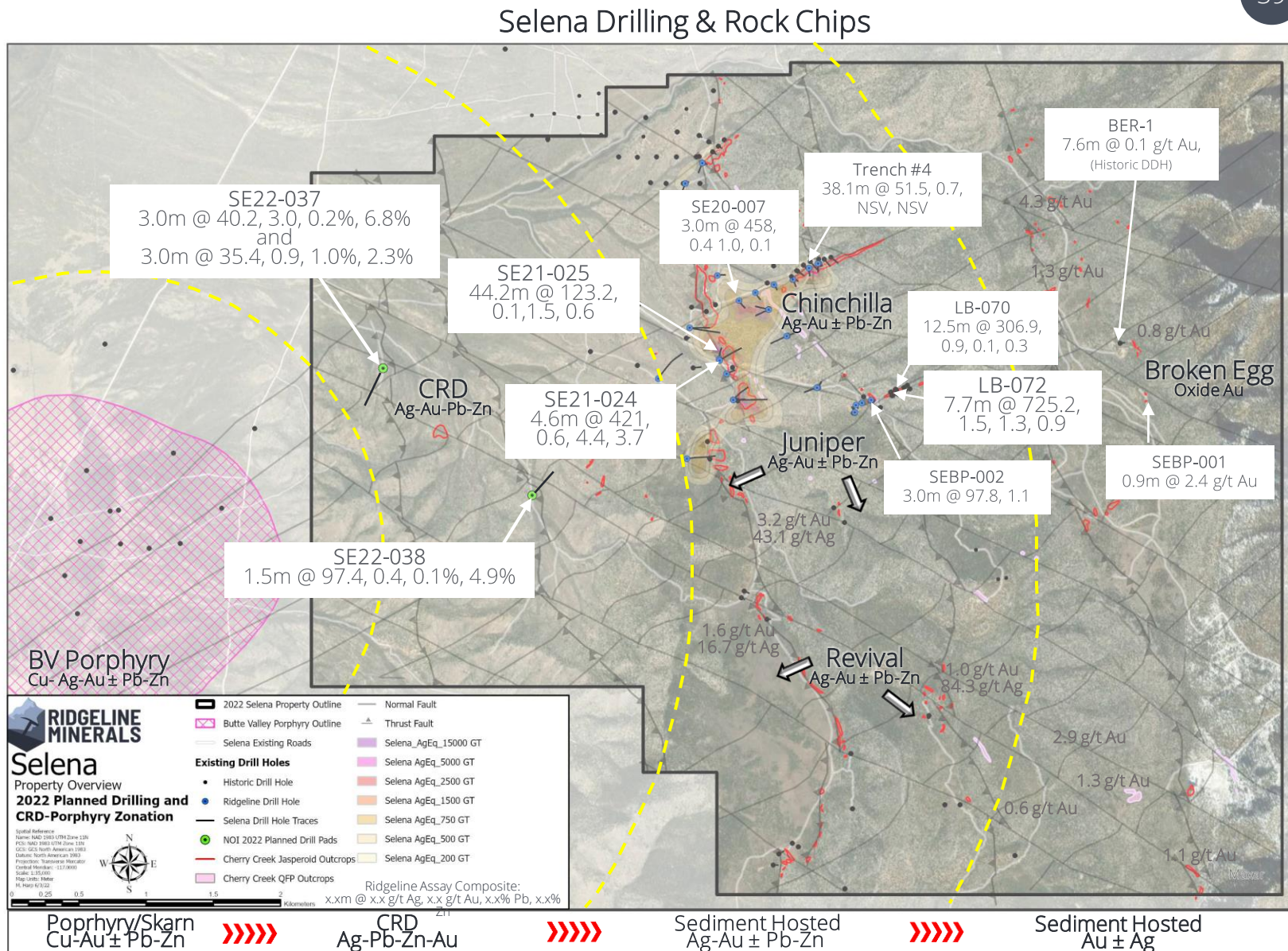
- Geologic model supports the full spectrum of a porphyry zonation pattern over ~8km of mineralized strike between BV porphyry and Broken Egg
- District-scale discovery potential with 3 known deposit types across 5 high potential targets



SELENA

Zonation Model

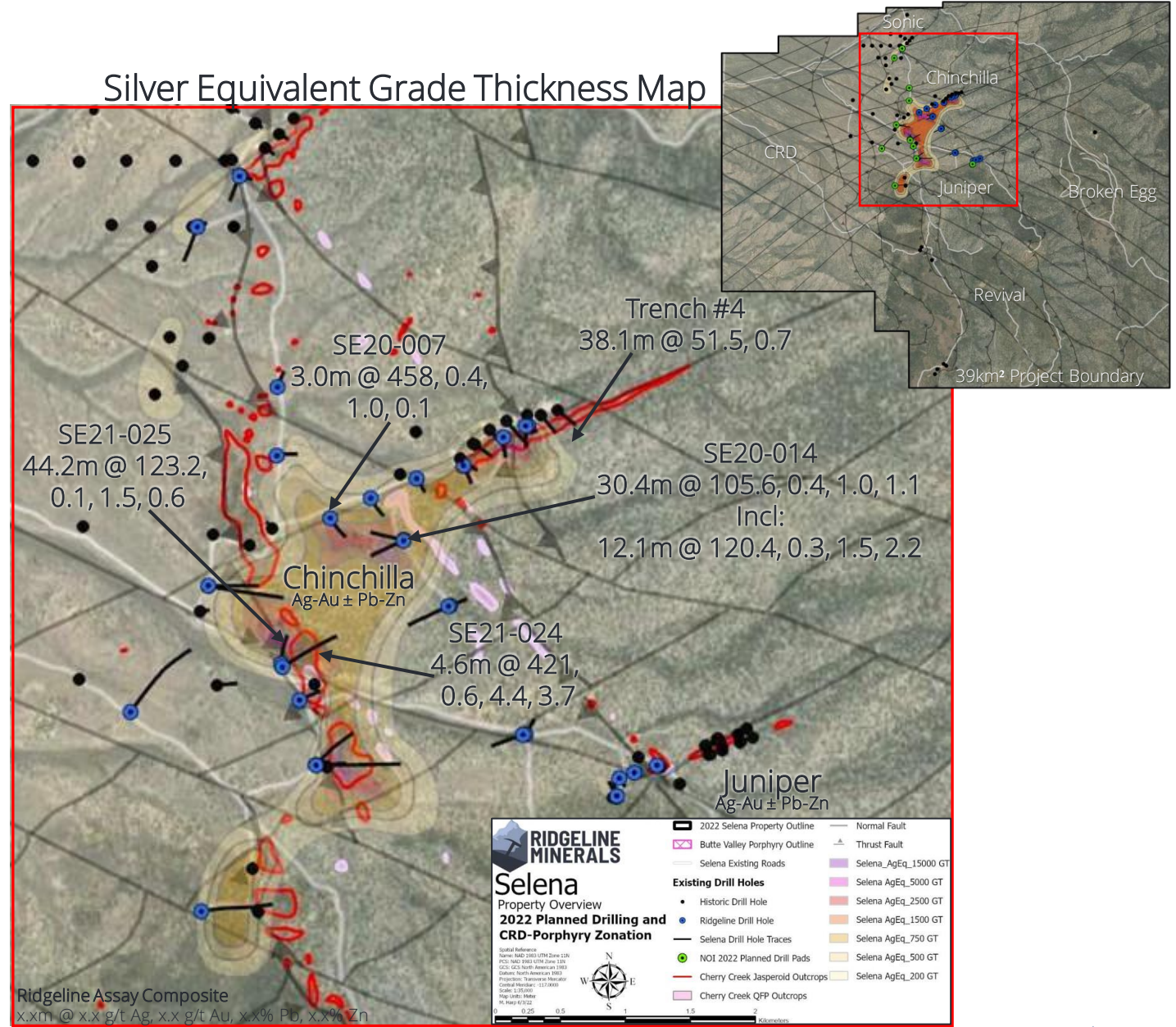
- Rock chips and backpack drilling at Juniper, Revival and Broken Egg highlight high-grade discovery potential



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



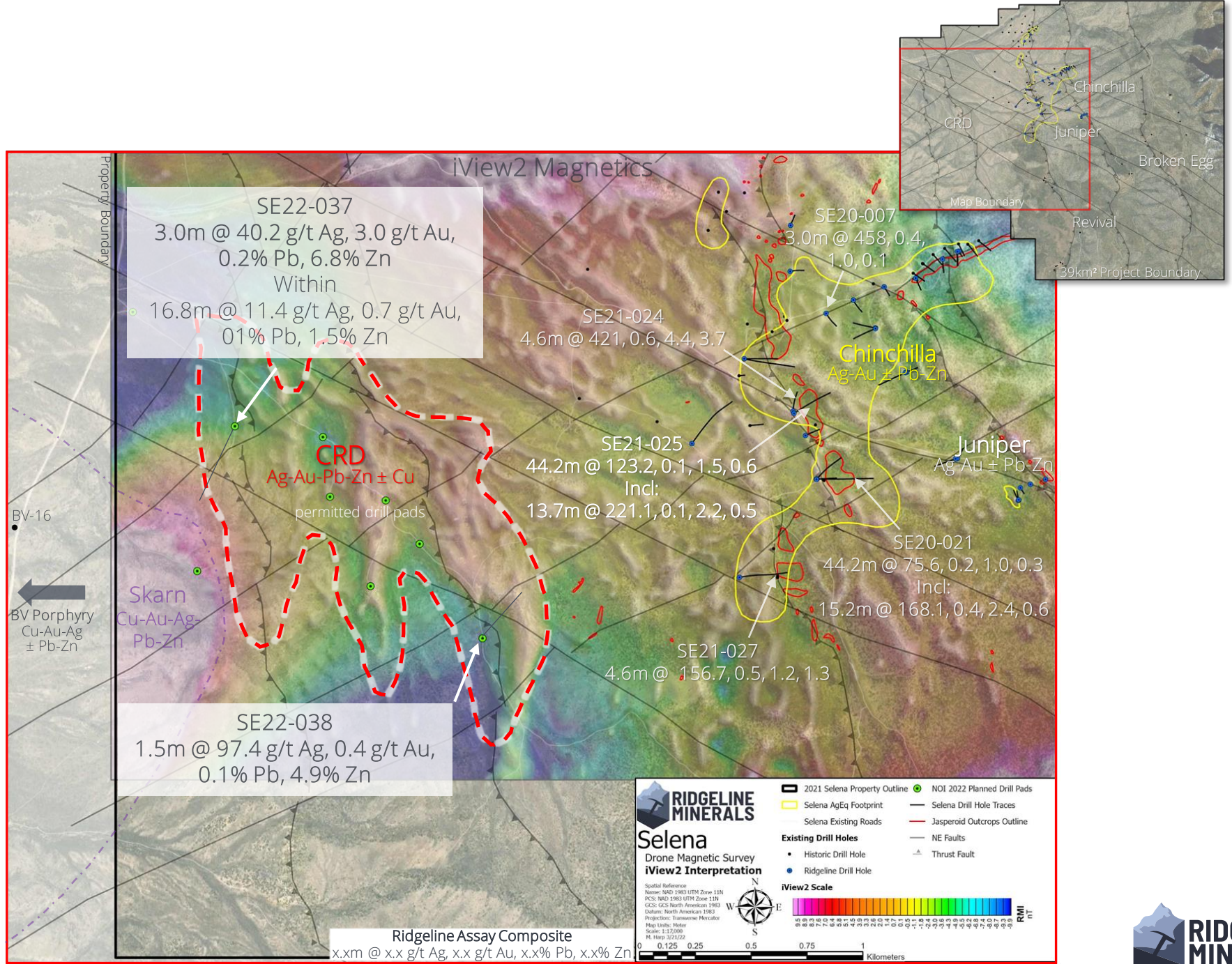
Grade Thickness = AgEq * Intercept Thickness (m) AgEq = Ag + (Au * 72), no recovery factor applied Pb-Zn values not included in AgEq grade thickness calculation



SELENA

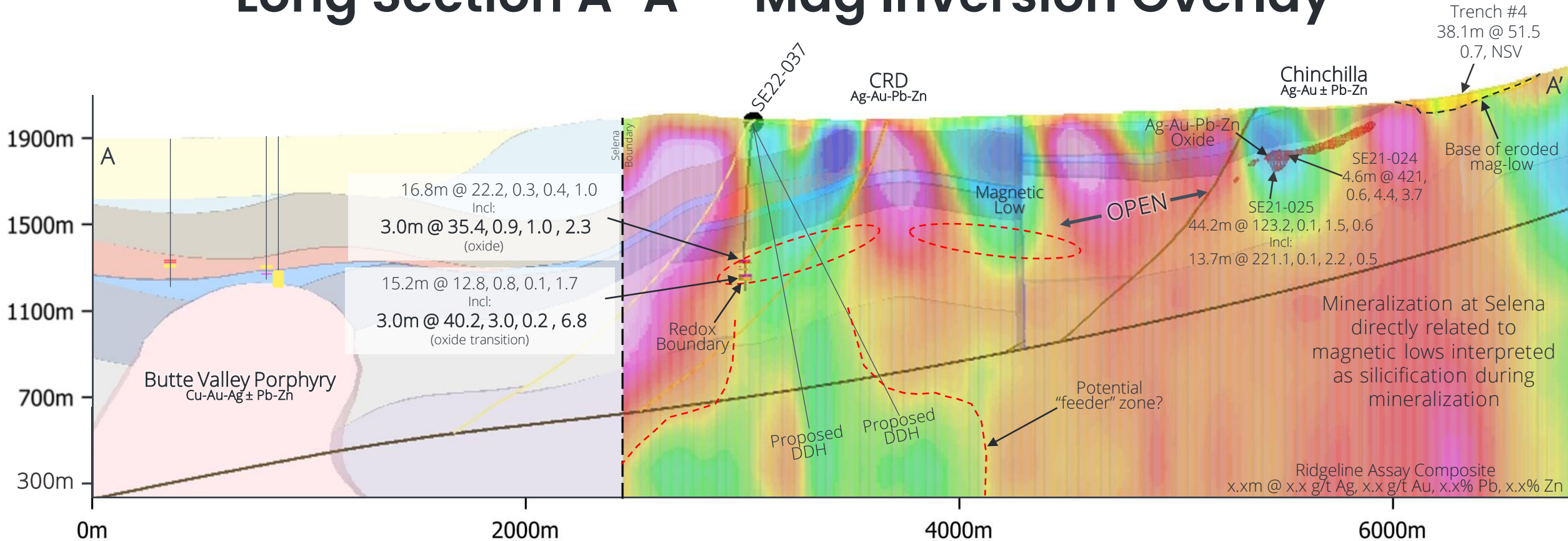
CRD Target

- 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 & Mineralization

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

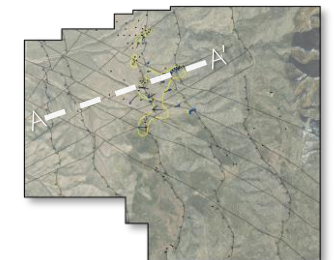
RMI_{nt} iView2 Scale

9.5 8.9 8.3 7.6 7.0 6.4 5.8 5.1 4.5 3.9 3.3 2.6 2.0 1.4 0.7 0.1 0.5 0.9 1.3 1.7 2.1 2.5 2.9 3.3 3.7 4.1 4.5 4.9 5.3 5.7 6.1 6.5 6.9 7.3 7.7 8.1 8.5 8.9 9.3 9.7

Drill Trace (AgEq g/t)

≤ 5
≤ 20
≤ 50
≤ 100
> 100

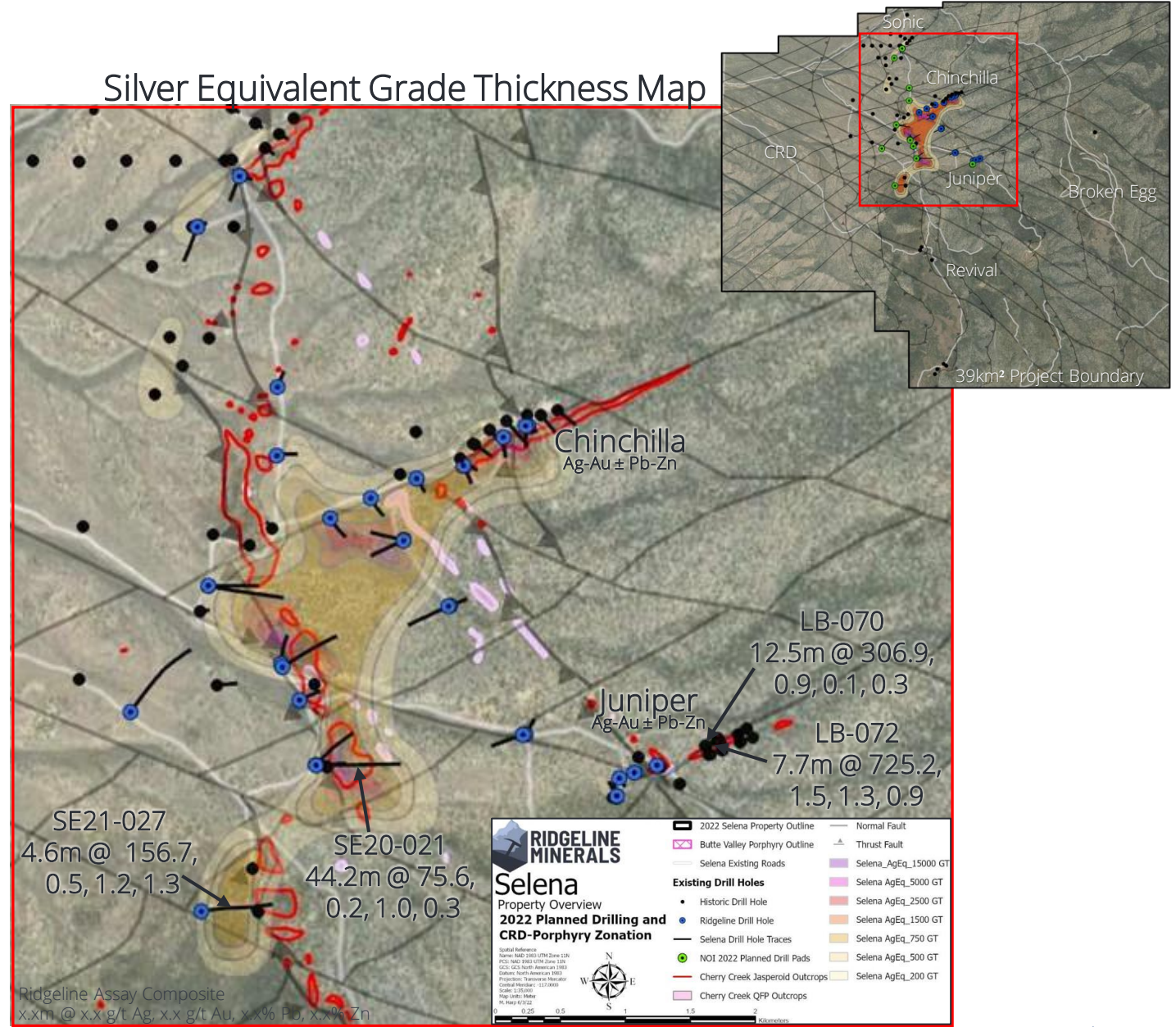
Section Location



SELENA

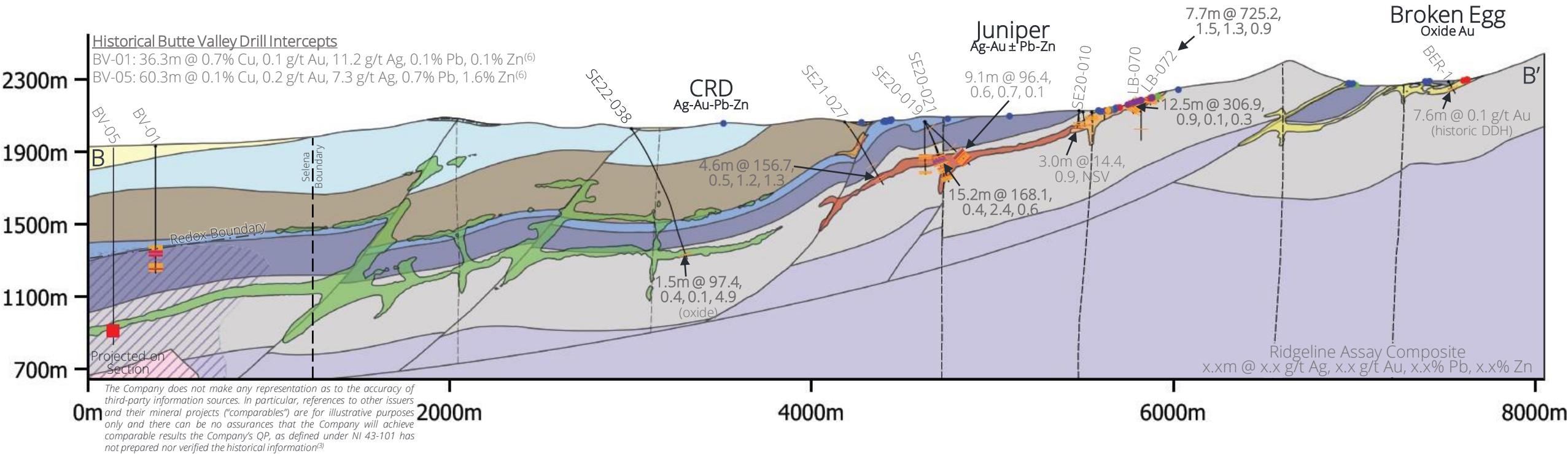
Juniper Zone

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

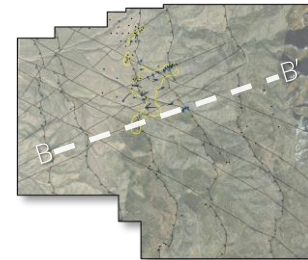
Drill Trace (AgEq g/t)

≤ 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

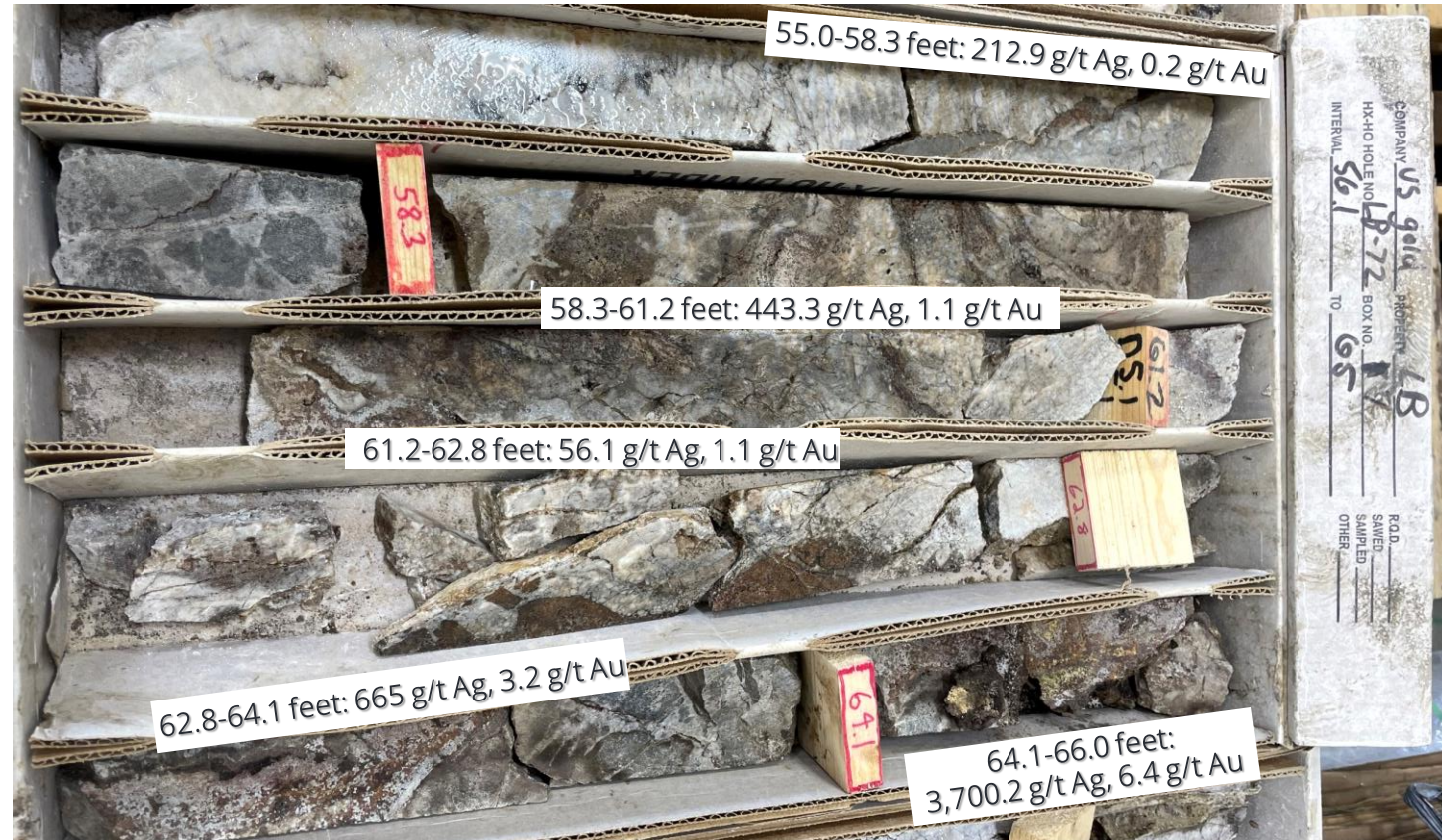


SELENA

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
- 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

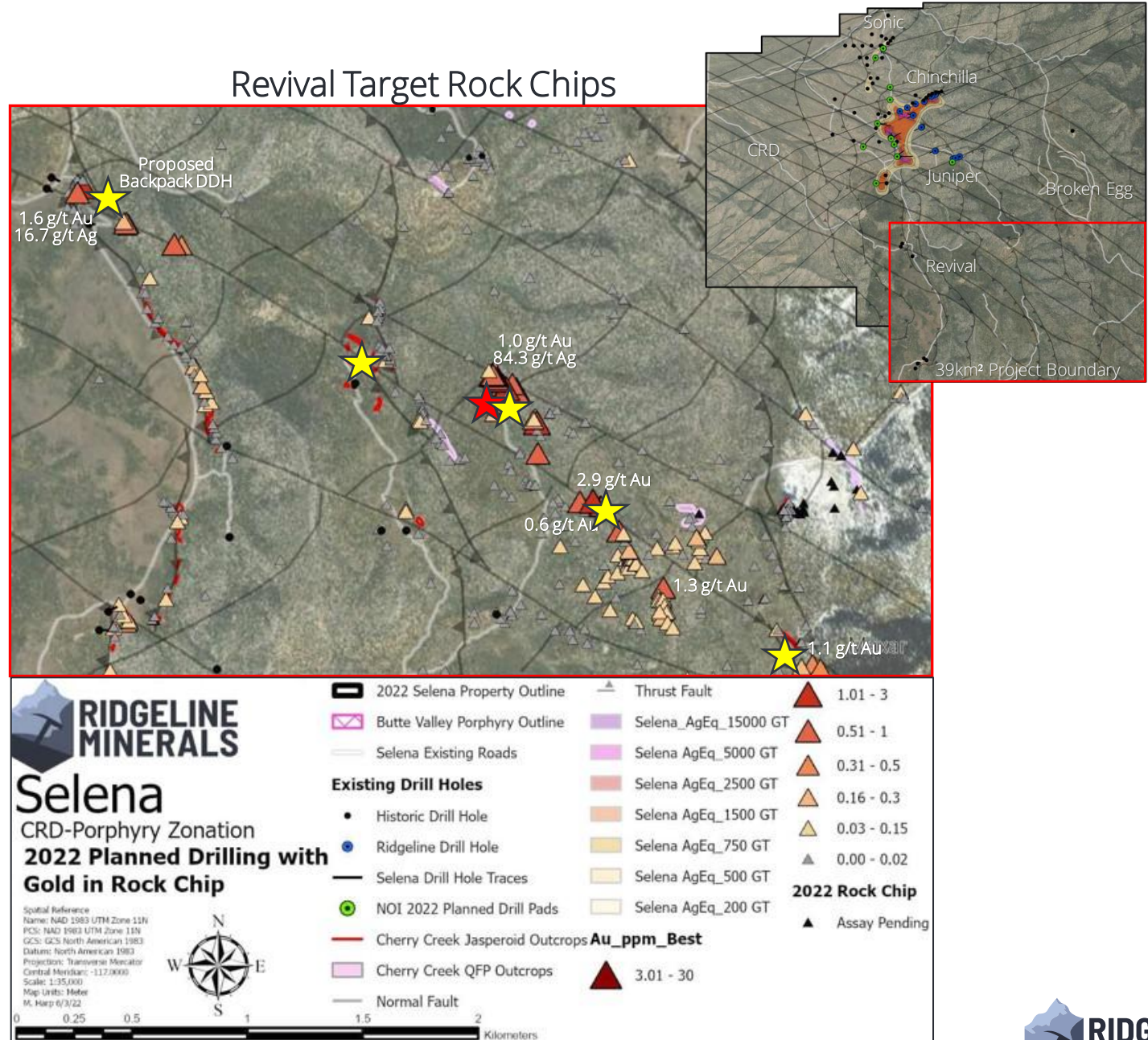
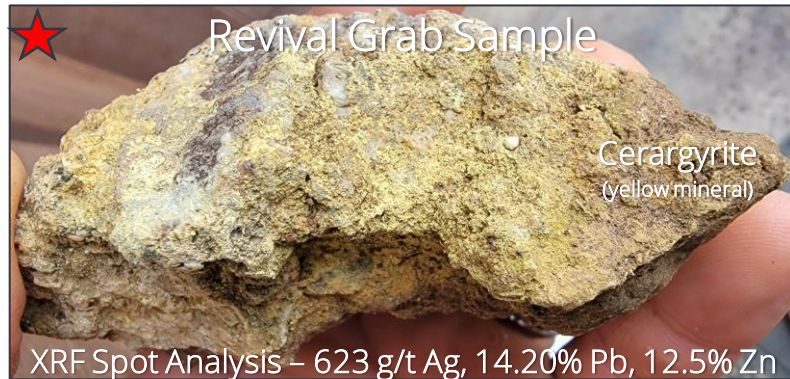


Hole ID	From (ft.)	To (ft.)	Ag (g/t)	Au (g/t)	Pb (%)	Zn (%)
SEBP-002	0	2.4	206.00	3.17	0.20	0.39
	2.4	3.7	111.00	0.81	0.06	0.75
	3.7	5	103.00	0.82	0.04	0.26
	5	8.4	31.75	0.18	0.02	0.13
	8	10.1	38.70	0.31	0.02	0.12

SELENA

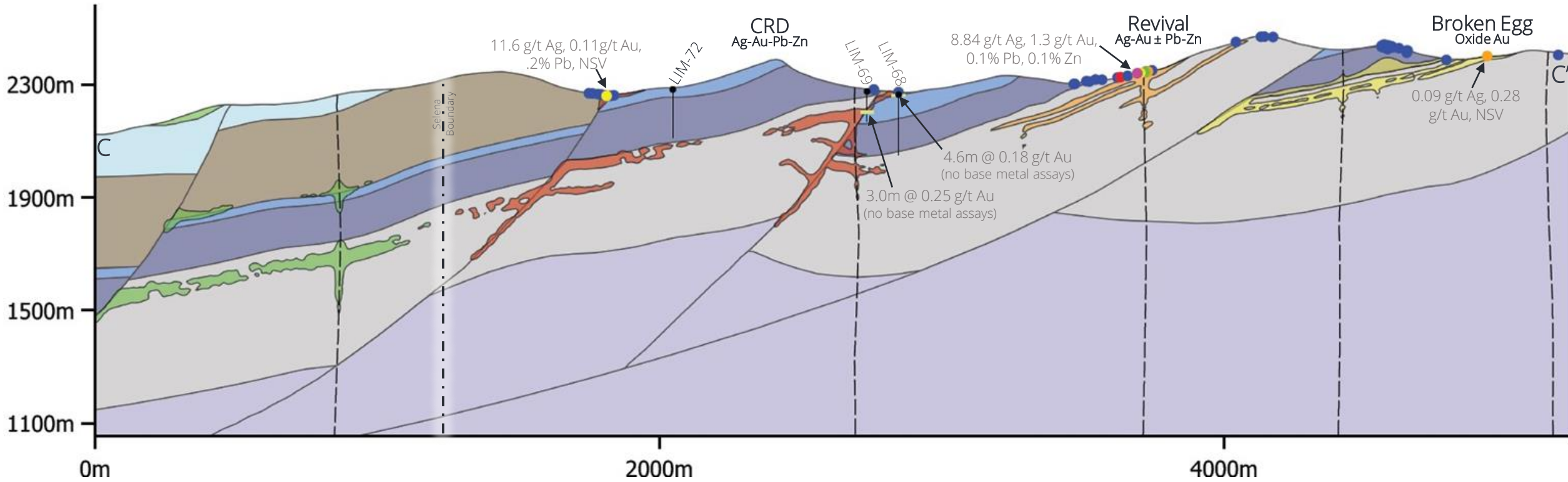
Revival Target

- 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 with 10-15m core holes



SELENA

Revival Schematic Long Section C-C'

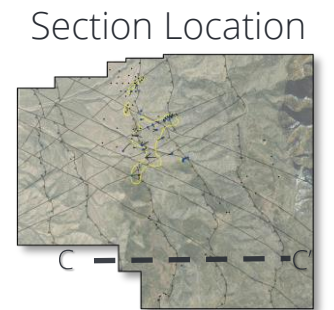


Stratigraphy	
	Alluvium
	Fanglomerate
	Intrusion
	Ely Limestone
	Chainman Shale
	Joanna Limestone
	Pilot Shale
	Guilmette Limestone
	Simonson Dolomite
	Porphyry Hornfels-Skarn

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



11.6 g/t Ag, 0.11g/t Au, .2% Pb, NSV

CRD Ag-Au-Pb-Zn

8.84 g/t Ag, 1.3 g/t Au, 0.1% Pb, 0.1% Zn

Revival Ag-Au ± Pb-Zn

Broken Egg Oxide Au

0.09 g/t Ag, 0.28 g/t Au, NSV

4.6m @ 0.18 g/t Au (no base metal assays)

3.0m @ 0.25 g/t Au (no base metal assays)

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

- 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

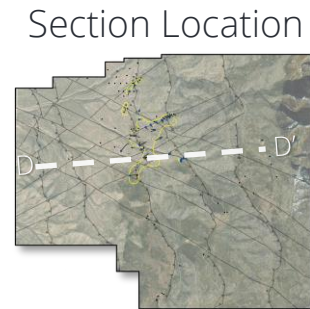
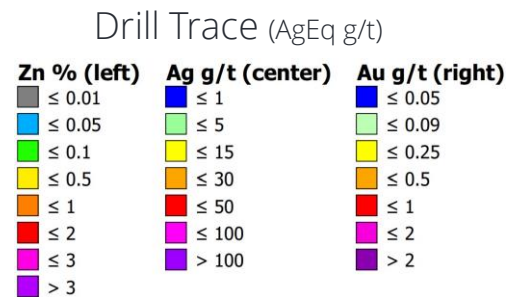
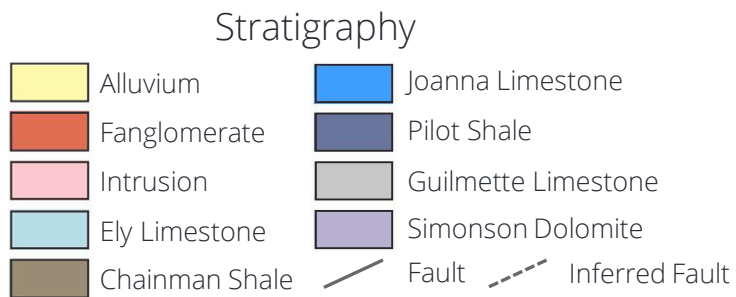
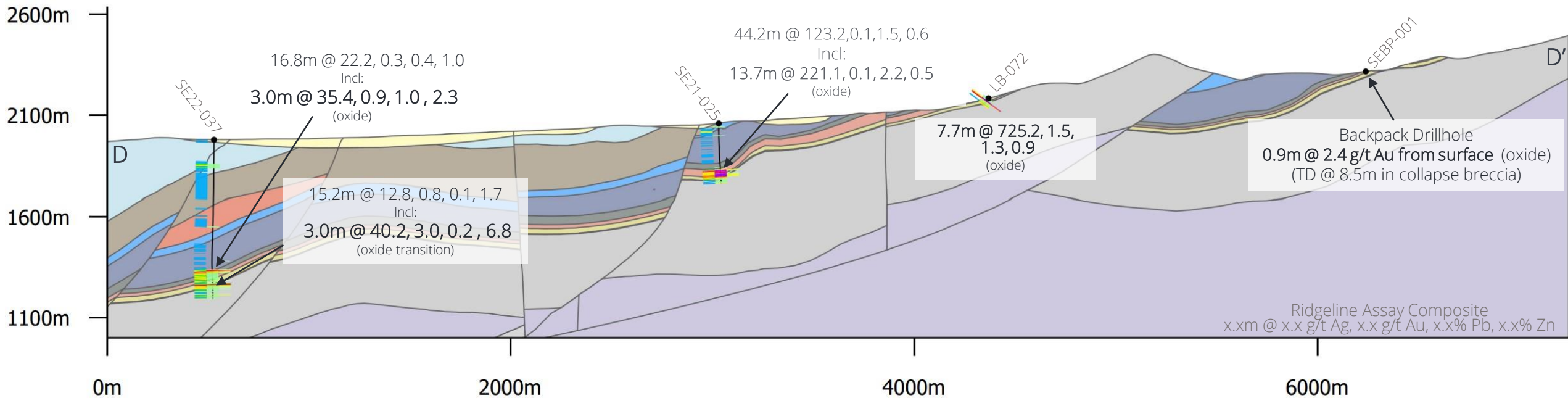
See August 31, 2022 Press Release [HERE](#)



SELENA

Schematic Long Section D-D'

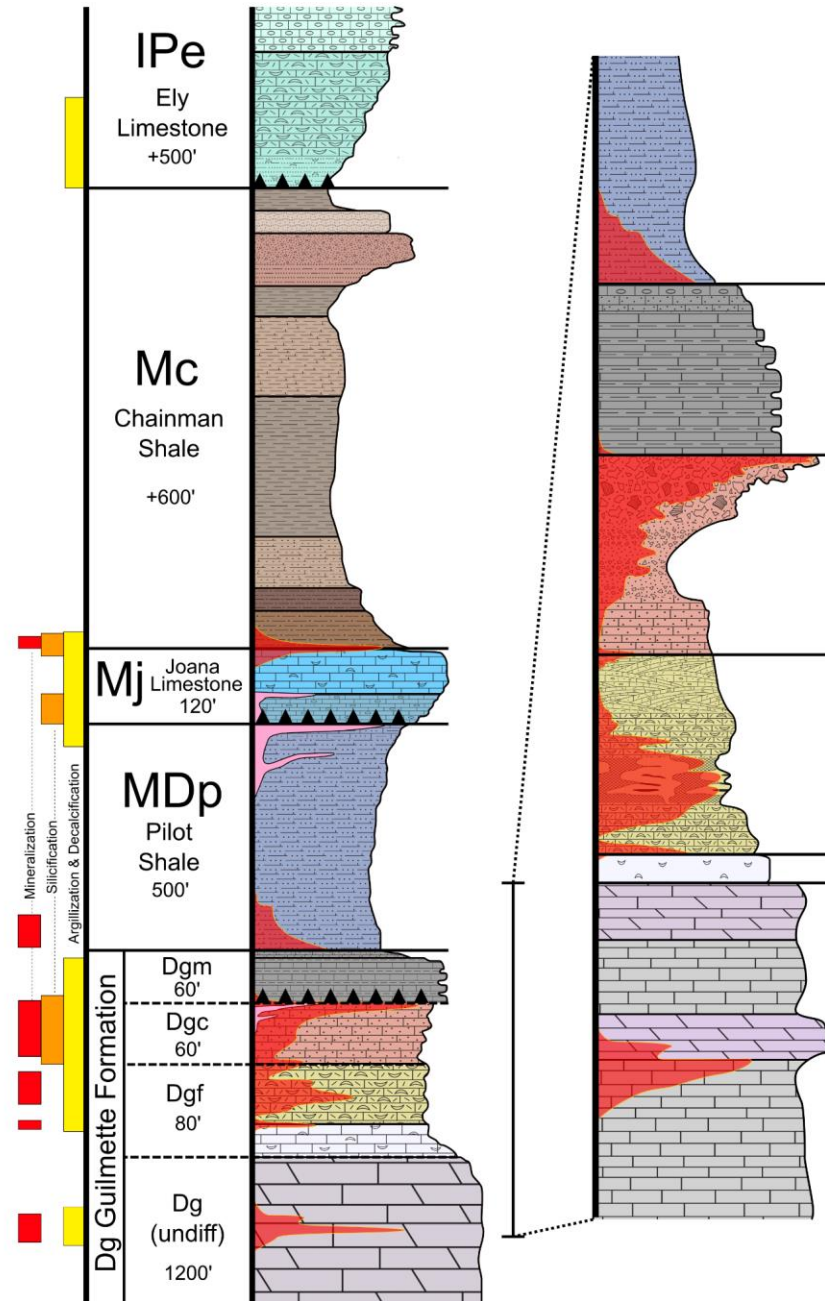
- SE22-037 to SEBP-001 highlights porphyry zonation model from CRD to disseminated gold deposit (W-E) over 5.7km
- Consistent mineralization (regardless of deposit type) in the Dgc and Dgf subunits of the Guilmette (Dg) Formation



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

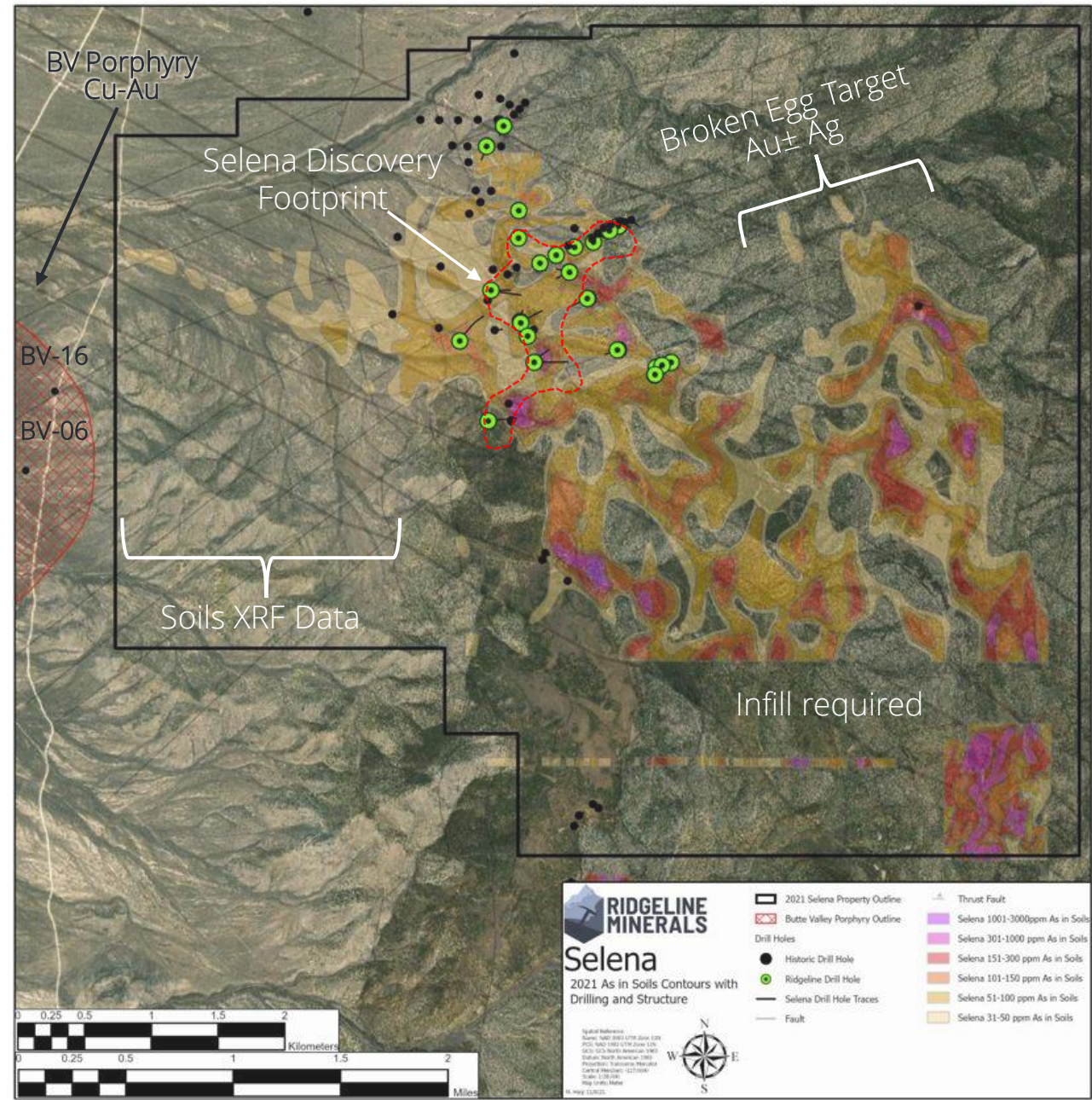
Dolomite bed(s) in lower Guilmette

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

SELENA

As in Soils

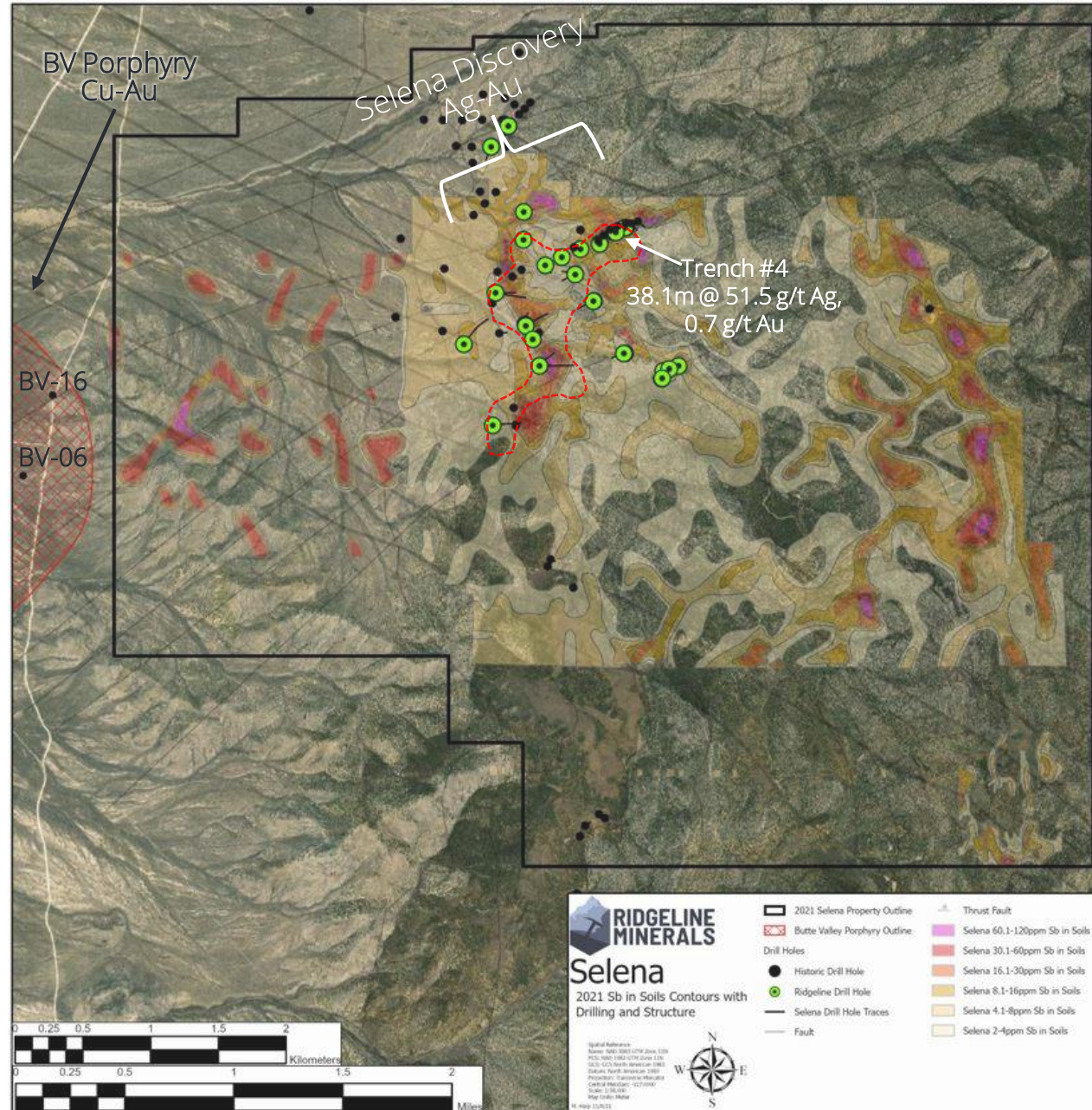
- Arsenic is strongest at the Broken Egg target (farthest from BV porphyry)
 - Highlights the Carlin-Type Au end-member of the zonation pattern



SELENA

Sb in Soils

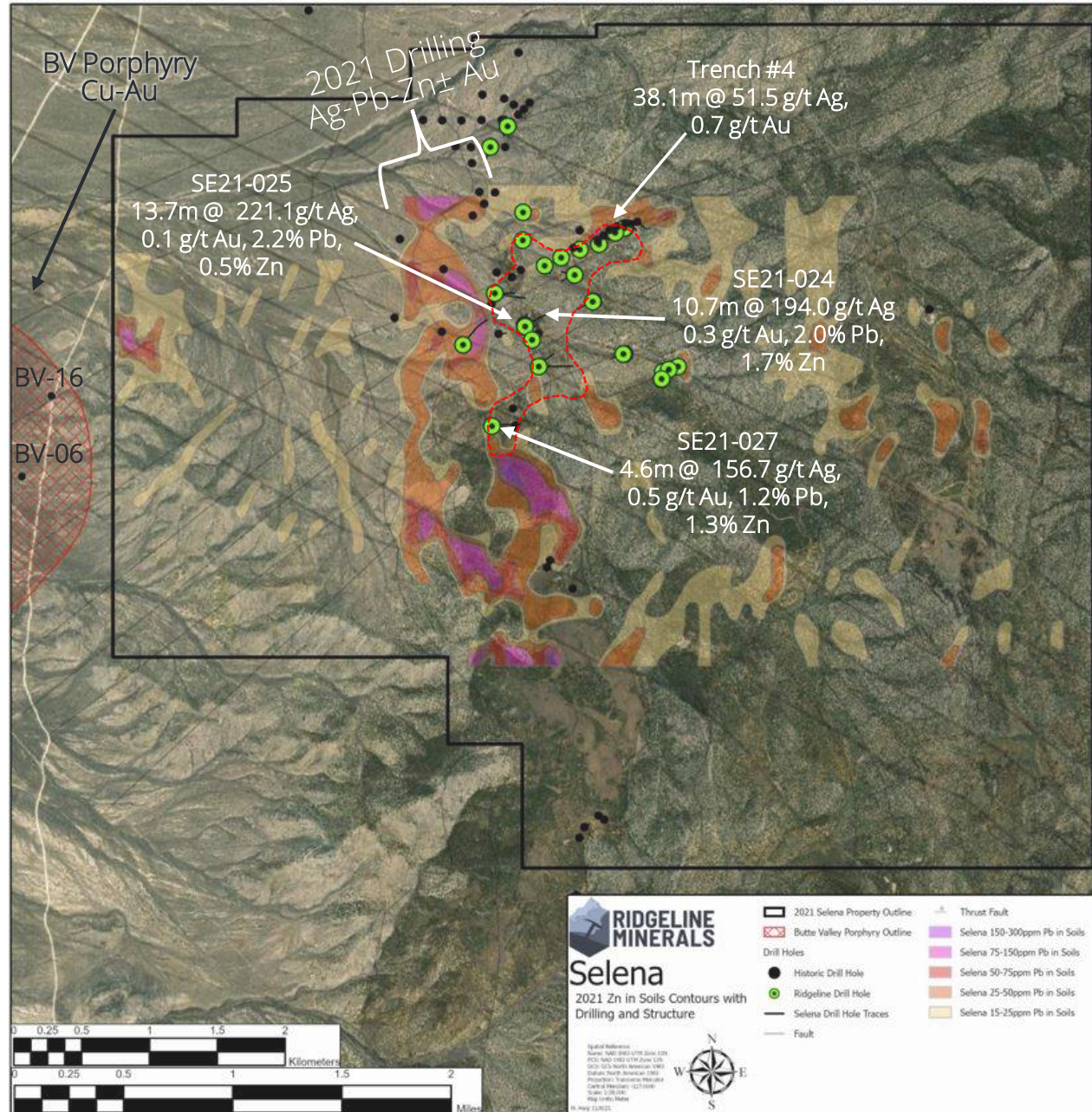
- Antimony highlights zone of highest Ag grades drilled to-date on the property within discovery footprint
 - Au grades progressively decreasing to the west
 - Inverse relationship to Pb-Zn



SELENA

Pb in Soils

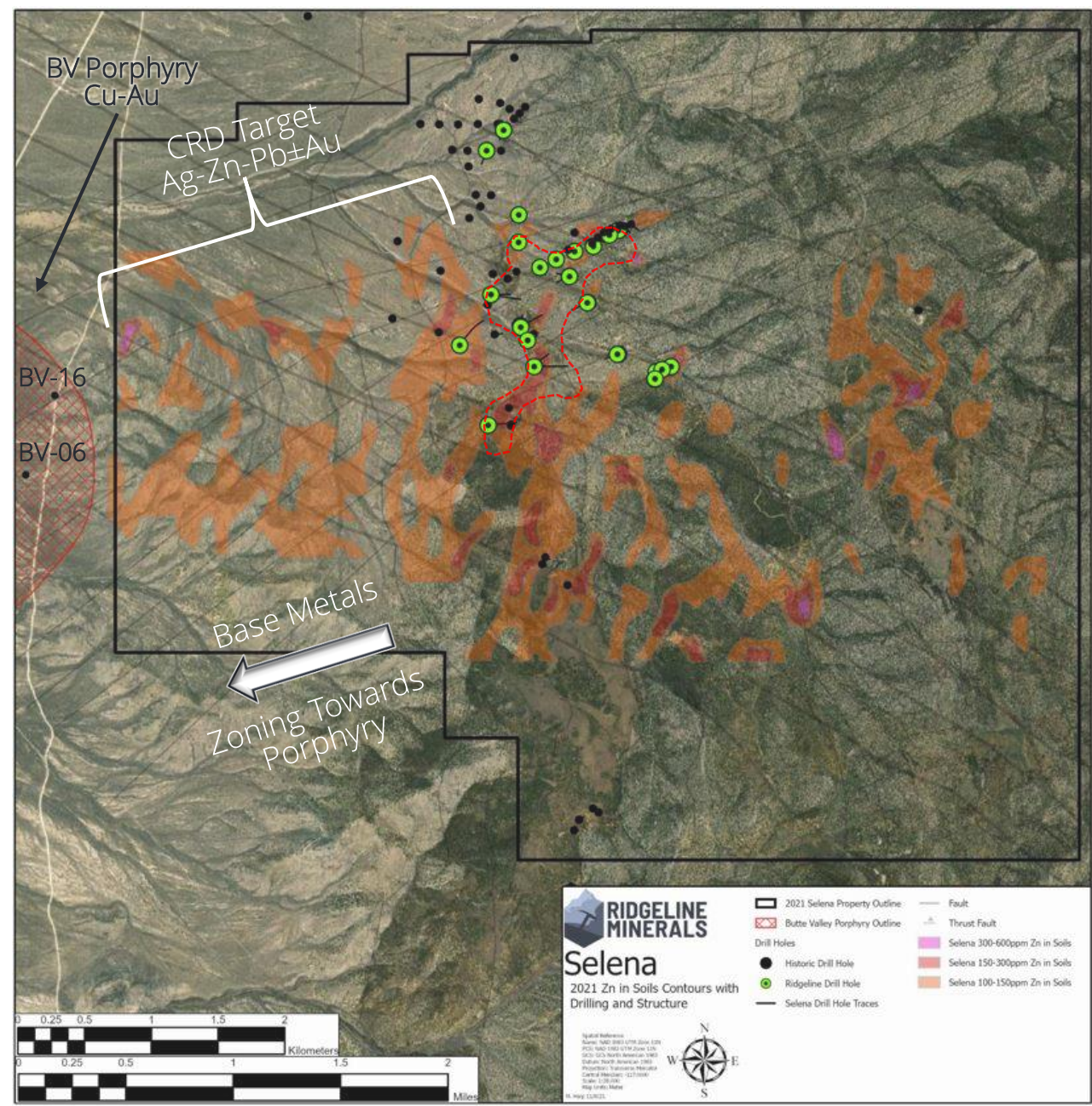
- Pb in soils values increasing towards the Butte Valley porphyry with highest values concentrated along a N/S trending thrust fault
 - Corresponding increase in downhole Ag-Pb-Zn and decrease in Au values



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

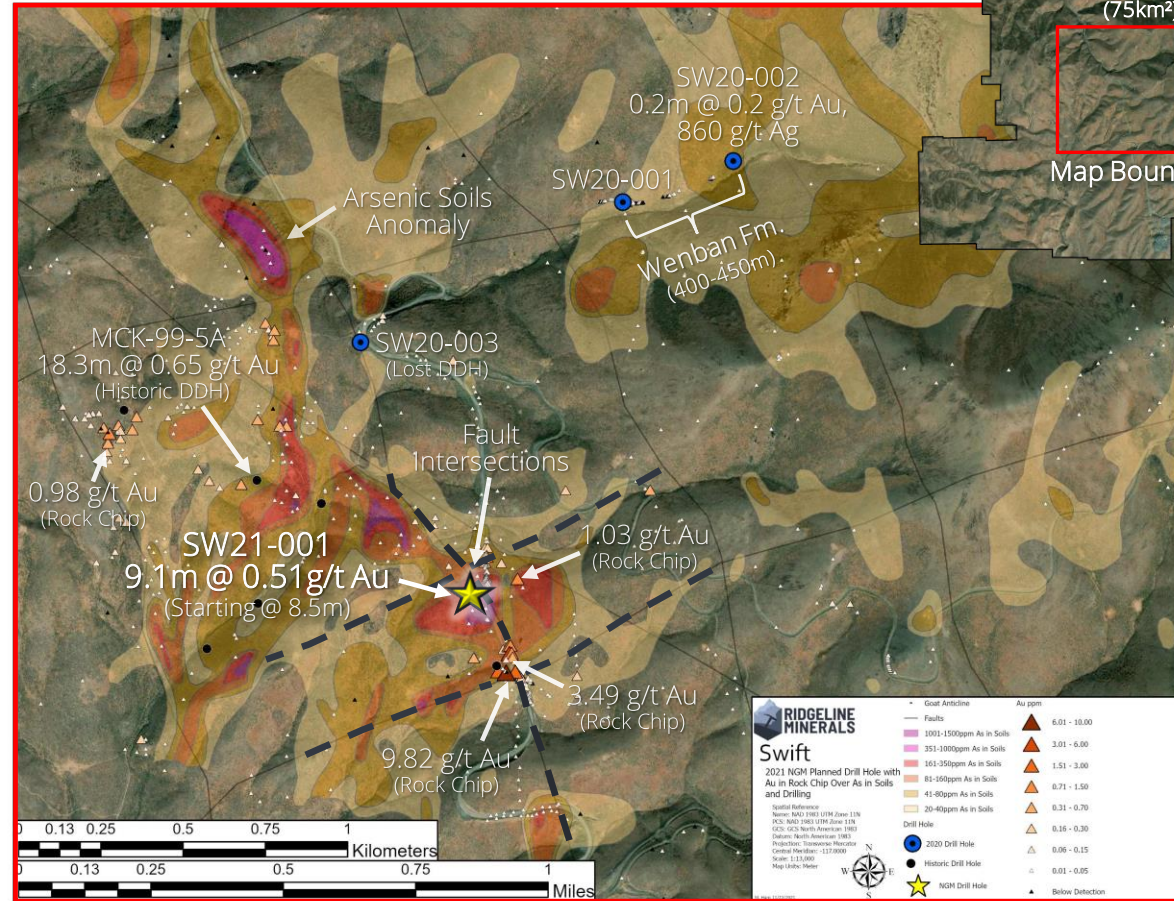


APPENDIX

Swift

SWIFT

NGM Drill Program



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

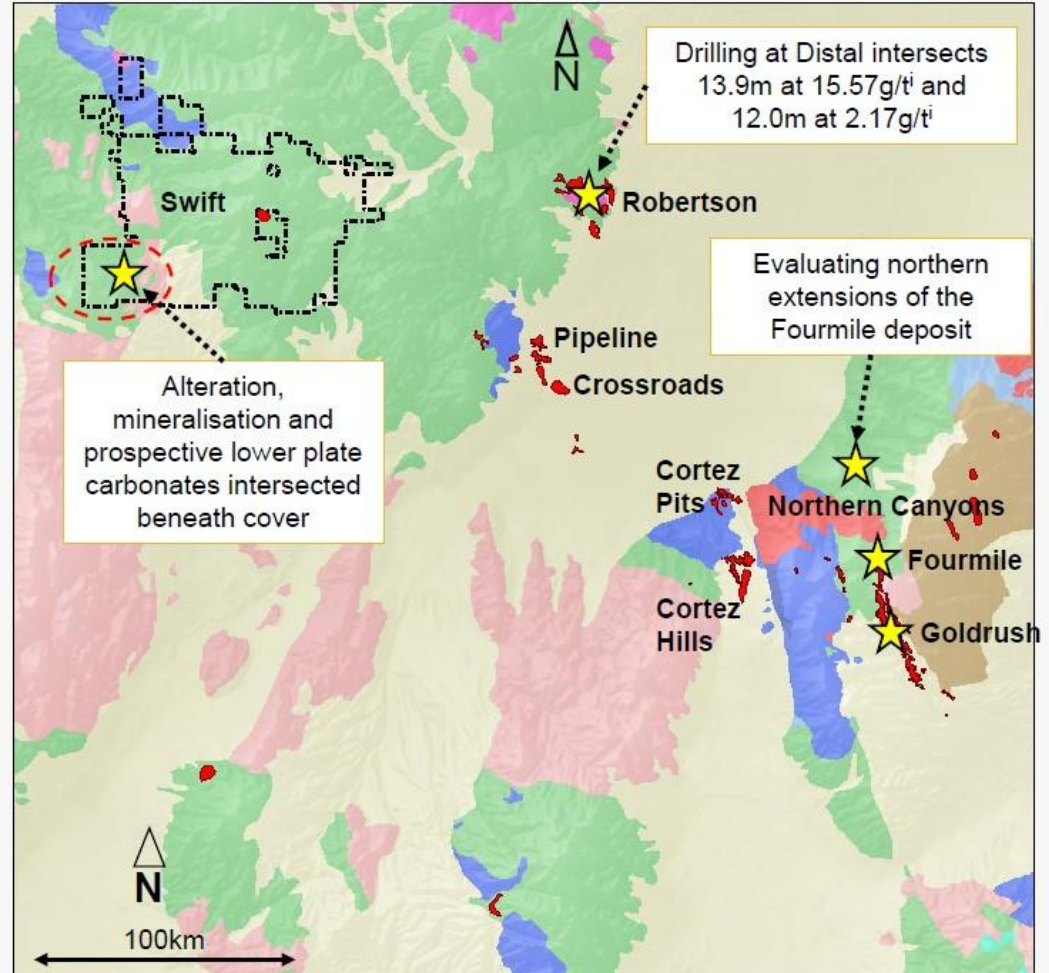
Phase II framework drill program planned for Q3-Q4, 2022



Barrick Investor Day, November 2022

Cortez District...

- Framework drilling at Northern Canyons intersected multiple intervals of elevated Carlin-type geochemistry and anomalous gold in the northern extensions of key Fourmile structures
- Framework drilling on the Swift project, intersects Lower Plate carbonates at only 570 meters depth with several low angle structures, significant alteration and anomalous gold
- Drilling is in progress at Dorothy to test the open controlling structures around the high-grade breccia body



APPENDIX

Carlin-East

Barrick Investor Day, November 2022

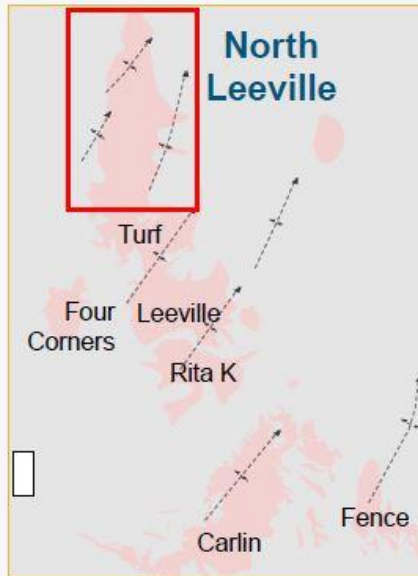
Carlin Trend...multiple targets across world class camp

- **West of Leeville** along the Basin Bounding Fault, drilling has intersected strong mineralization, highlighting the opportunity for additional bonanza grade breccia bodies in the corridor
- **Discovery of new mineralization at Virga**, to the east of El Nino, continues to confirm the Western Spur as a priority target area in the camp
- **New breccia body identified under cover** in the Little Boulder Basin remains open for kilometres along strike
- **Northeast of Leeville**, drilling has intersected the **thickest section ever of favourable host rocks**, extending the prospective corridor over 1.5 km from the ore body
- **Identification of a new fertile fault northwest of Gold Quarry** with extensive alteration concealed undercover returns >100 meters of anomalism

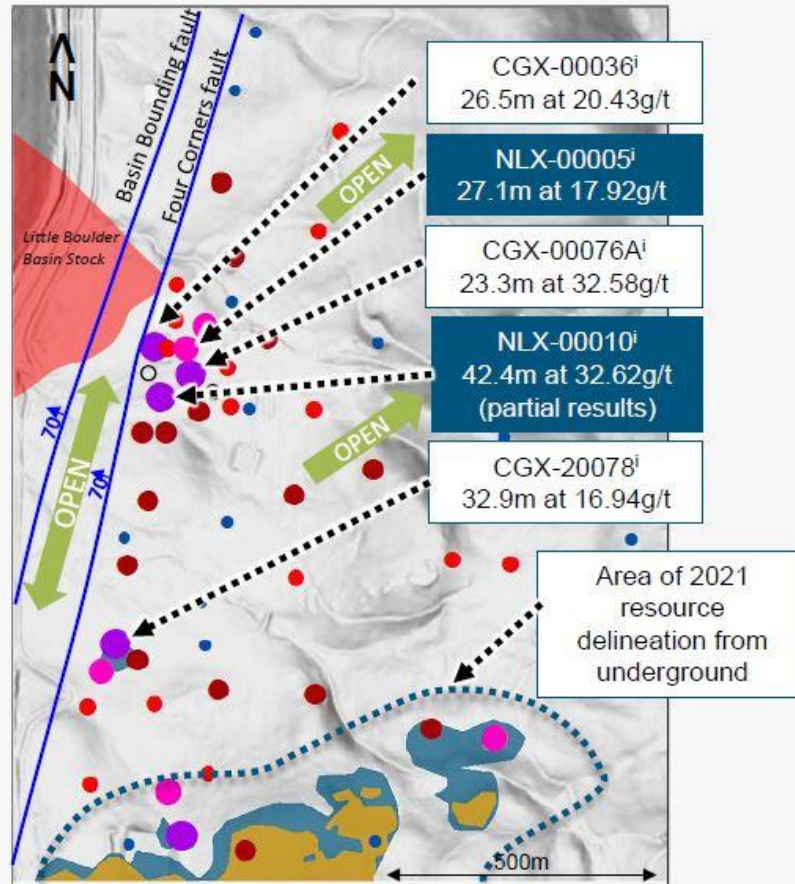
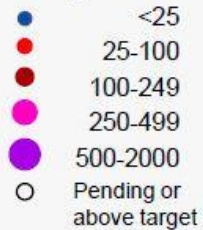


Barrick Q3, 2021 Report

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



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



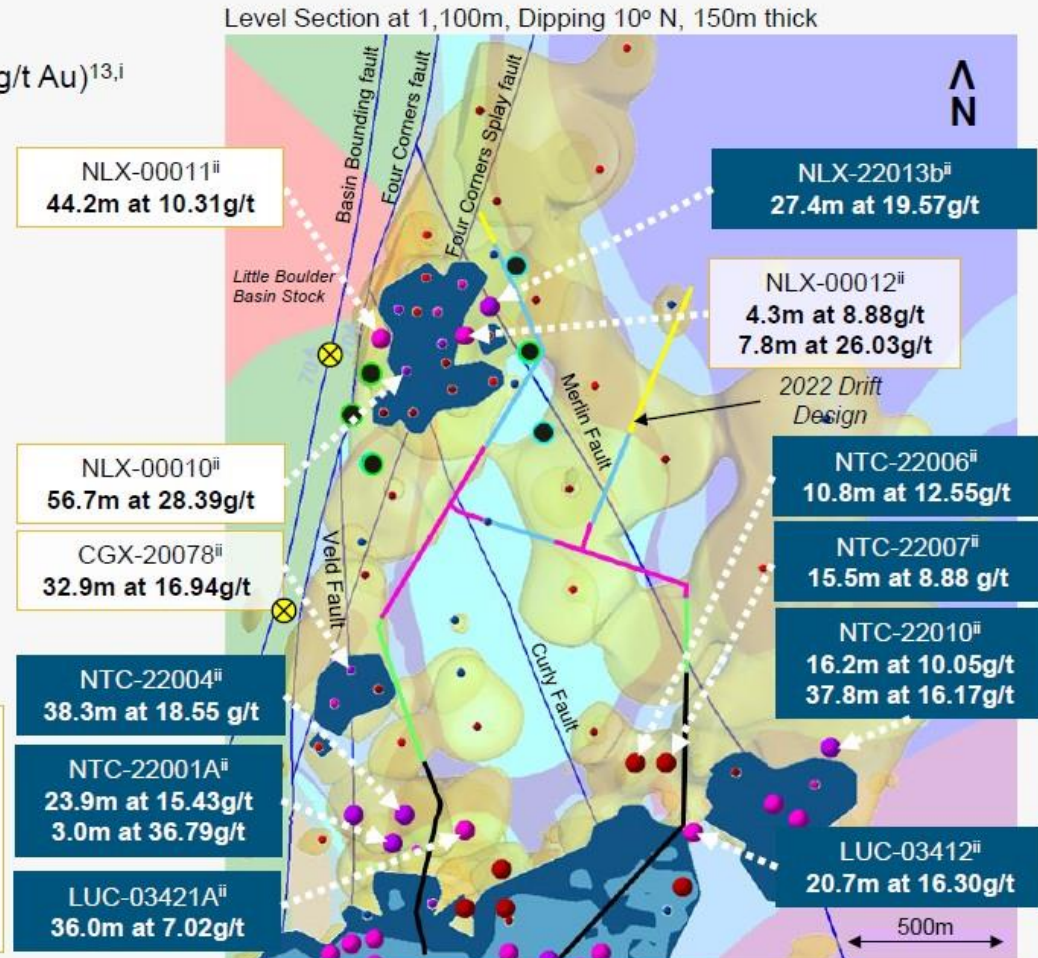
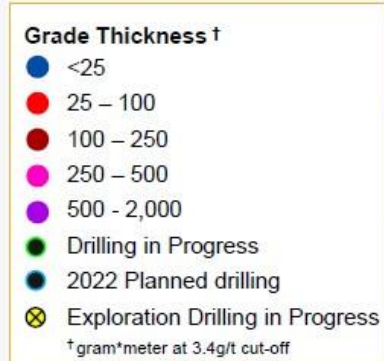
[†] Refer to Appendix A for additional details including assay results for significant intercepts

- 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)^{13,1}
- Resource expected to grow further in 2022:
 - NLX-22013bⁱⁱ: 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



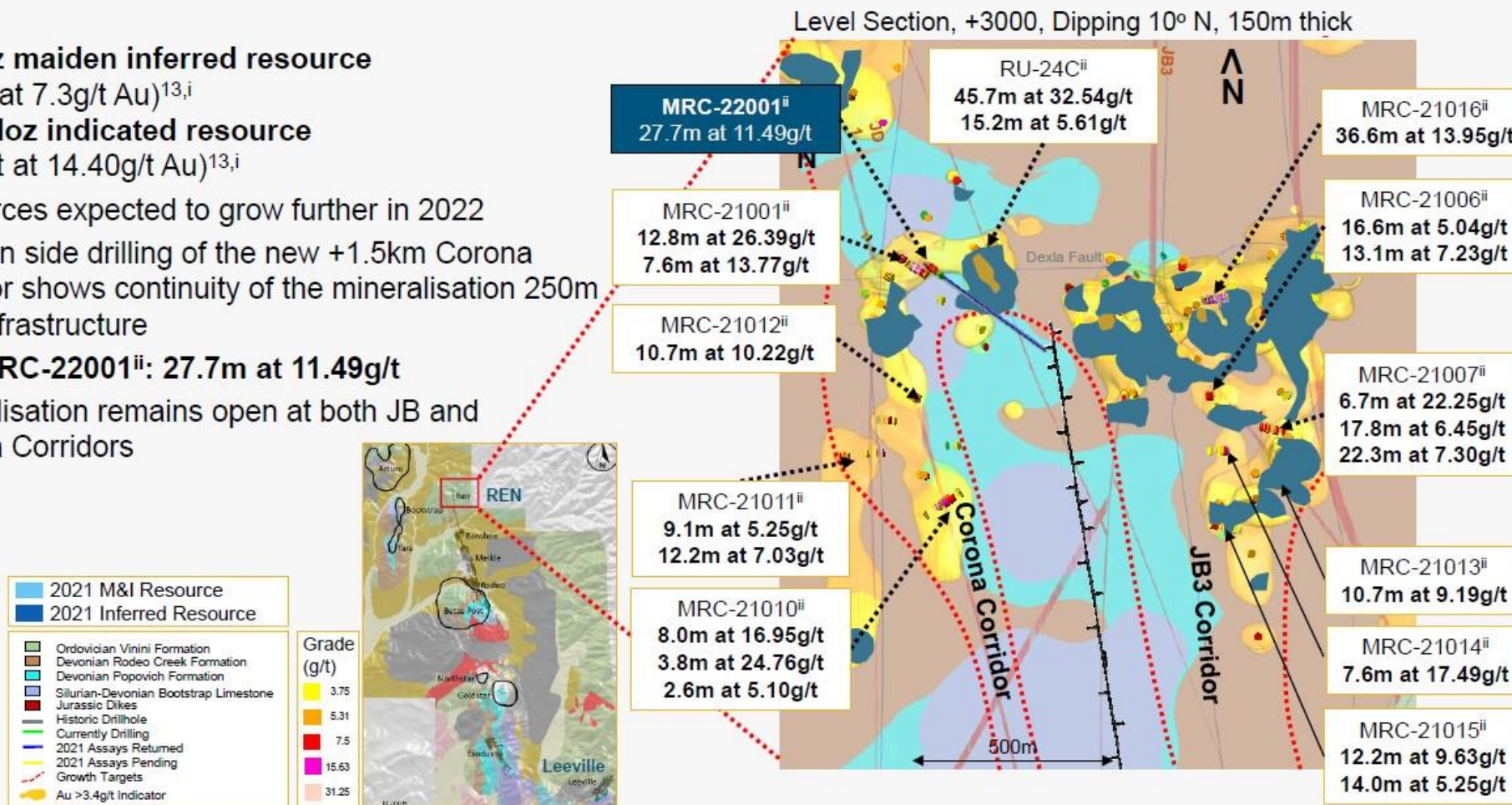
APPENDIX

Bell Creek

Barrick Q2, 2022 Report

REN on track for resource additions...

- **1.2Moz maiden inferred resource**
(5.2Mt at 7.3g/t Au)^{13,i}
- **0.050Moz indicated resource**
(0.11Mt at 14.40g/t Au)^{13,i}
- 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-22001ⁱⁱ: 27.7m at 11.49g/t**
- Mineralisation remains open at both JB and Corona Corridors



APPENDIX

Robber Gulch

ROBBER GULCH

3D X-Section

