

Developing the Cerro Las Minitas Project into the Next Major Silver Mine in Mexico



SouthernSilver
EXPLORATION CORP

Corporate Presentation
April, 2024



SSV: TSX-V
SSVFF: OTCQX

Some of the statements contained in this presentation may be deemed “forward-looking statements.” These include estimates and statements that describe the Company’s future plans, objectives or goals, and expectations of a stated condition or occurrence.

Forward-looking statements may be identified by the use of words such as “believes”, “anticipates”, “expects”, “estimates”, “may”, “could”, “would”, “will”, or “plan”. Since forward-looking statements are based on assumptions and address future events and conditions, by their very nature they involve inherent risks and uncertainties.

Actual results relating to, among other things, results of exploration, reclamation, capital costs, and the Company’s financial condition and prospects, could differ materially from those currently anticipated in such statements for many reasons such as but not limited to; changes in general economic conditions and conditions in the financial markets; changes in demand and prices for the minerals the Company expects to produce; litigation, legislative, environmental and other judicial, regulatory, political and competitive developments; technological and operational difficulties encountered in connection with the Company’s activities; and changing foreign exchange rates and other matters discussed in this presentation.

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The TSX Venture Exchange has not reviewed and does not accept responsibility for the adequacy or accuracy of the contents of this presentation, that has been prepared by management.

The scientific and technical content of this disclosure was reviewed and approved by Robert Macdonald, MSc. P.Geo, VP. Exploration, and is a Qualified Person as defined by National Instrument 43-101 – Standards of Disclosure for Mineral Projects.

All mineral resources have been estimated in accordance with Canadian Institute of Mining and Metallurgy and Petroleum (CIM) definitions, as required under NI43-101.

Mineral resources reported demonstrate reasonable prospect of eventual economic extraction, as required under NI43-101.

Mineral resources are not mineral reserves and do not have demonstrated economic viability. The mineral resources may be materially affected by environmental, permitting, legal, marketing, and other relevant issues.

The PEA is preliminary in nature, it may include mineral resources that are considered too speculative geologically to have the economic considerations applied to them that would enable them to be categorized as mineral reserves, and there is no certainty that the PEA will be realized.

An inferred mineral resource has a lower level of confidence than that applying to an indicated mineral resource and must not be converted to a mineral reserve. It is reasonably expected that most of the inferred mineral resources could be upgraded to indicated mineral resources with continued exploration.

All-in Sustaining cost (AISC) is calculated as: Operating costs (mining, processing and G&A) + Incremental PTUs + Concentrate Transportation + Treatment & Refining Charges + Penalties + Sustaining Capital + Closure Costs + Silver Revenue Royalty and is reported on using a per tonne mined, AgEq plant feed, AgEq recovered for sale, and AgEq payable basis

PEA work completed by:

Kirkham Geosciences Ltd. (KGL): mineral resource estimate from Oct, 27, 2021;

Entech Mining Limited (Entech): mine design and mine OpEx and capital;

M3 Engineering & Technology Corp. (M3): process flowsheet, mine site design and surface OpEx, CapEx and discounted cash-flow model

Metallurgical Process Consultants Limited (MPC): metallurgy and process flowsheet

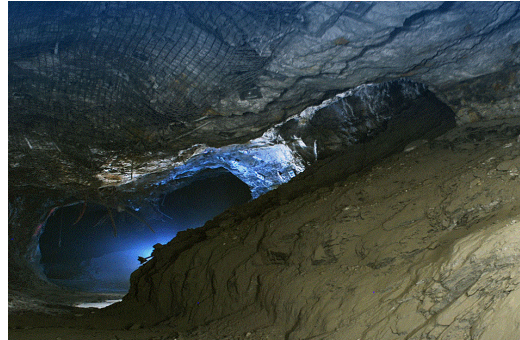
Focused on developing the Cerro Las Minitas (CLM) Ag-Cu-Pb-Zn project located in Durango, Mexico



One of the Largest and Highest Grade Undeveloped Silver Projects in the World

New Mineral Resource Update

- **Ind: 140Moz AgEq at 349g/t AgEq¹**
- **Inf: 210M oz AgEq at 311g/t AgEq¹**
- Well-established silver mining district in Durango, Mexico near several major mining companies



2022 PEA Highlights

- 15yr Life-of-Mine
- Robust Project Economics
- **Leveraged to Silver and Zinc**
- High Revenues/Free Cash-flow



Corporate Highlights

- 100% ownership and control of the CLM Project
- Treasury to continue ESG initiatives, permitting, drilling, engineering and other Corporate objectives



Company Catalysts (pending News Flow)

- **Updated PEA Q2 '24**
- **Further Drilling CLM Project**
- New targeting developed at Oro Cu-Mo project, NM
- Permitting for 2024 drilling-Hermanas Au-Ag Project, NM

1. Parameters for the NI 43-101 Compliant Mineral Resource Estimate are described on Slide 11 and in the SSV News Release, dated Mar 22nd, 2023

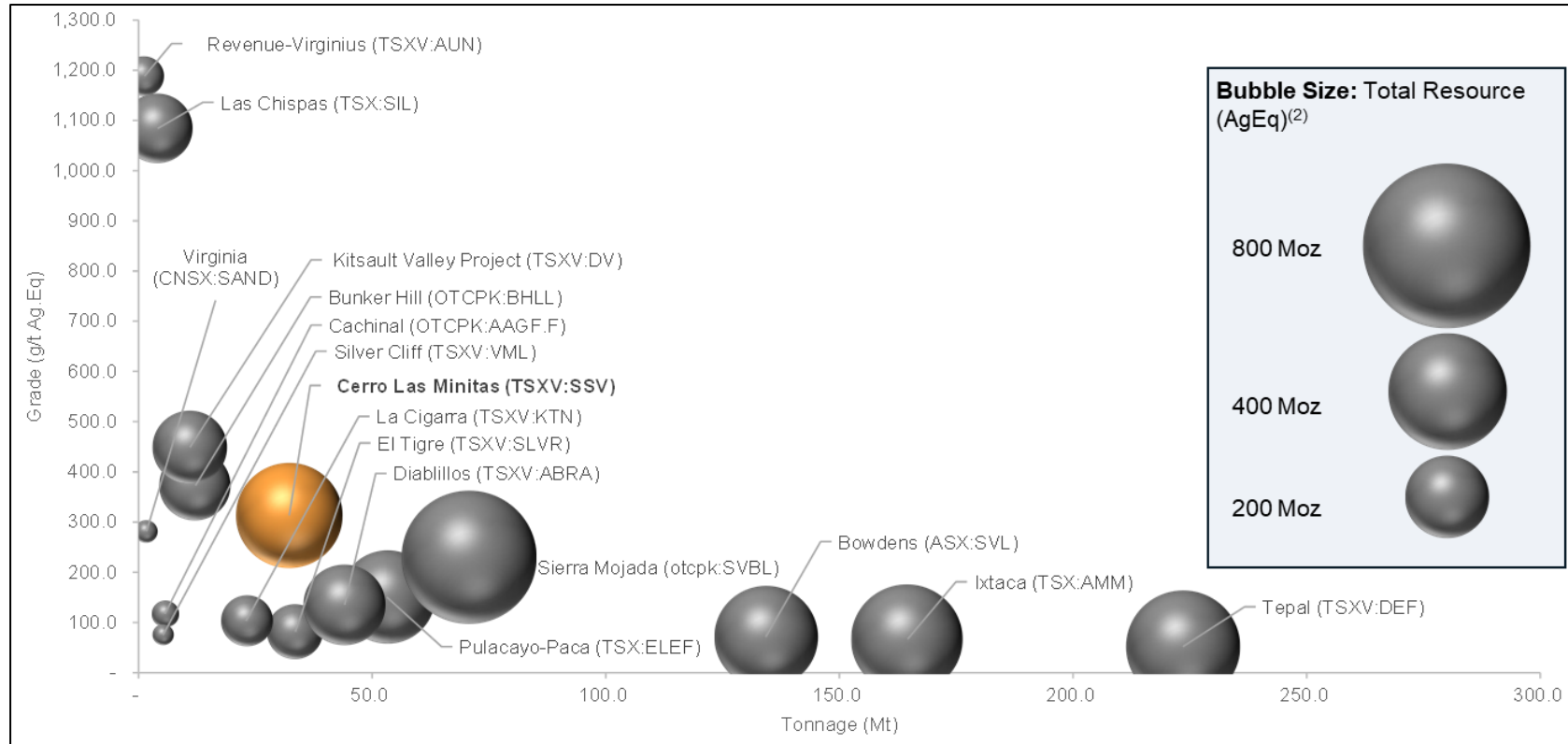
Cerro Las Minitas

One of the Largest and Highest Grade Undeveloped Silver Assets in the World

2023 Mineral Resource Estimate (as of March 22nd, 2023 using a \$60NSR/t cut-off)¹;

Indicated – 140Moz AgEq 42.7Moz Ag, 446Mlb Cu, 364Mlb Pb and 903Mlb Zn

Inferred – 210Moz AgEq: 80Moz Ag, 101Mlb Cu, 571Mlb Pb and 1,029Mlb Zn



Notes:

- Parameters for the NI 43-101 Compliant Mineral Resource Estimate are described on Slide 11 and in the SSV News Release, dated Mar 22nd, 2023

Notes for chart

- Data as of September 8, 2022
- Prices Used (US\$): Gold - \$1,708/oz, Silver - \$18.59/oz, Copper - \$7811/MT, Iron - \$98/dMT, Lead - \$1,881/MT, Zinc - \$3,128/MT
- Discovery Silver's Cordero Mine removed from output. Total tonnage of 782 Mt, grade of 44.1 g/t Ag.Eq
- Applies to primary asset only (100% basis)

1. Parameters for the NI 43-101 Compliant Mineral Resource Estimate are described on Slide 11 and in the SSV News Release, dated Mar 22nd, 2023

Capital Structure

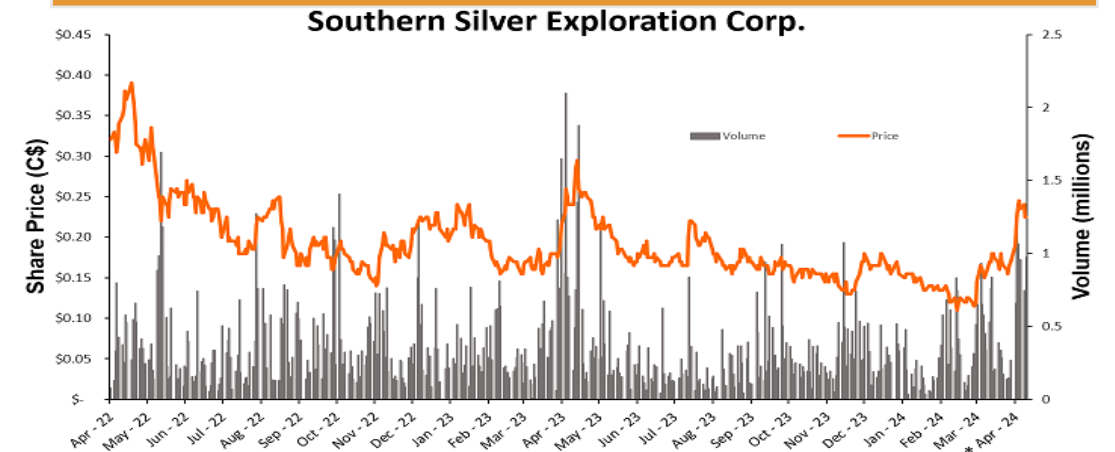
| | |
|--|--------------------|
| Ticker | TSX-V:SSV |
| Share Price (Apr. 11, 2024) | C\$0.22 |
| Current Shares Outstanding | 292M |
| Options | 24.5M ¹ |
| Warrants | 51.2M ² |
| Fully Diluted Shares Outstanding | 367M |
| Market Capitalization (<i>basic</i>) | C\$64M |
| Cash & Cash Equivalents | C\$1.5M |
| Enterprise Value (<i>basic</i>) | C\$79.2M |
| EV/Oz AgEq | C\$0.24 |
| P/NAV | 0.18x |

Top Shareholders

| | |
|--------------------------------------|------|
| Electrum Global Holdings | 25% |
| Institutional (as of July 30 , 2021) | 12% |
| Management & Directors | 2.3% |

- Includes 28.3M options outstanding with a weighted average exercise price of C\$0.37/share and a weighted average remaining term of 3.8 years
- Includes 59.9M warrants outstanding with a weighted average exercise price of C\$0.42/share and a weighted average remaining term of 1.8 years
- Includes 6.0MM finder's warrants outstanding with a weighted average exercise price of C\$0.34/share and a weighted average remaining term of 1.7 years

Share Price and Volume (Last 24 Months)



Analyst Coverage

Timothy Lee – *Red Cloud Securities Ltd.*

Siddharth Rajeev – *Fundamental Research Corp.*

Recent Ratings

| | Date | Reccomendation (C\$) |
|-----------------------------|-------------|----------------------|
| <i>Red Cloud Securities</i> | Mar-23-2023 | Buy (\$0.90) |
| <i>Fundamental Research</i> | Apr-11-2023 | Buy (\$0.54) |

Newsletter Coverage

Caesars Report – Thibaut Lepouttre

Silver Stock Investor – Peter Krauth

GoldSilver.com/SilverChartist – Jeff Clark

Management Team and Board

Experienced Mine Finders with a History of Success in Mexico



Lawrence Page (LL.B, KC)

President, Director

- Director and Officer of a number of public prominent exploration and mining companies
- Major Projects and Mines involvement: Penasquito, Mexico; Hemlo and Eskay Creek, Canada

Rob MacDonald (MSc, PGeo)

VP, Exploration

- VP of Geological Services for the Manex Resource Group of Companies and Exploration Manager for several publicly listed companies
- Overseen the exploration of many projects throughout North America including the discovery and delineation of the Homestake Ridge high-grade 1.2M oz Au-Ag deposit in northern British Columbia

Killian Ruby (CPA, CA, B. Sc.)

Chief Financial Officer

- President and CEO of Malaspina Consultants & Manex Resource Group
- Served as an Assurance Partner at Wolrige Mahon LLP and served as Served as Senior Manager of KPMG LLP

Arie Page

Corporate Secretary

- Currently serves as corporate secretary to several public resource companies in the minerals sector including Bravada Gold Corporation, Pacific Ridge Exploration Ltd., Southern Silver Exploration Corp. and Valterra Resource Corporation.

Russell Ball (CA, CPA)

Director

- Managing Director of QDBS Resources Inc. and former CEO, Director and Exec. Chairman of Calibre Mining Corp
- Former EVP and CFO of Goldcorp Inc as well as varying capacities with Newmont Mining Corp

Peter Cheesbrough (CA)

Director

- President, Exploration Division, Electrum Group
- Served as CFO, Echo Bay Mines

Gina Jones (CPA, CA, CF, ICD.D)

Director

- Currently serves as CFO, CCO PenderFund Capital Management Ltd., Served as CFO for two Vancouver Investment Dealers and CFO, COO for an independent Vancouver brokerage firm.

Eugene Spiering (PGeo)

Director

- Served as VP Exploration of Quaterra Resources Inc. and Rio Narcea Gold Mines
- Major Projects and Mines Involvement: El Valle and Aguablanca, Spain

Roger Scammell (BSc, PGeo)

Director

- Served as President Scorpio Mining Corporation and VP Exploration of Tamaka Gold Corporation
- Major Projects and Mines involvement: San Nicolas, El Limon and Nuestra Senora, Mexico

Nigel Bunting

Director

- Served as director Suffolk Life Pensions Ltd

Cerro Las Minitas, Durango, Mexico – Flagship

- 100% owned
- Silver-enriched Skarn/CRD deposits
- +US\$35M spent on acquisition and exploration since 2011
- **UPDATED RESOURCES and GOLD METALLURGY**
- Further Upside on both Exploration and Engineering basis

Oro Project, New Mexico

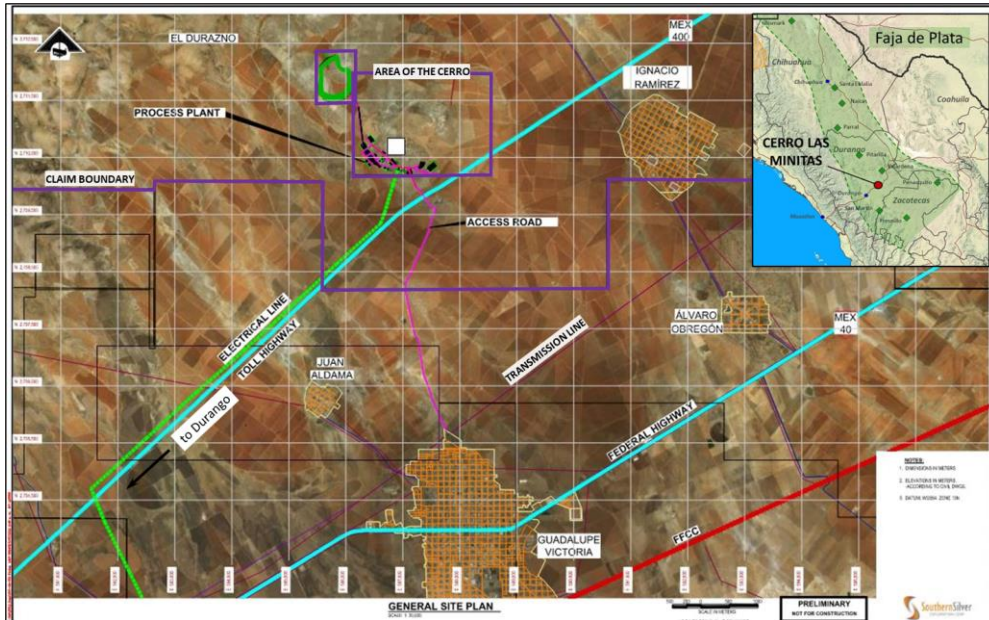
- 100%-owned
- Large Laramide Cu-Au-Mo porphyry system with an adjacent near surface gold target
- New targeting developed based on recent drill results

Hermanas Project, New Mexico

- Option to 100% own
- Large early stage Au-Ag epithermal vein system



Well Located in an Active Exploration and Development Jurisdiction with Superior Infrastructure



- Safe jurisdiction, around non-narcotic related agriculture
- Located 70km NE of Durango (pop. ~650,000)
- The property is transected by infrastructure including two federal highways, a railway line and transmission lines
- Property is accessed via the town of Guadalupe Victoria (pop: ~35,000) located just 6km to the south

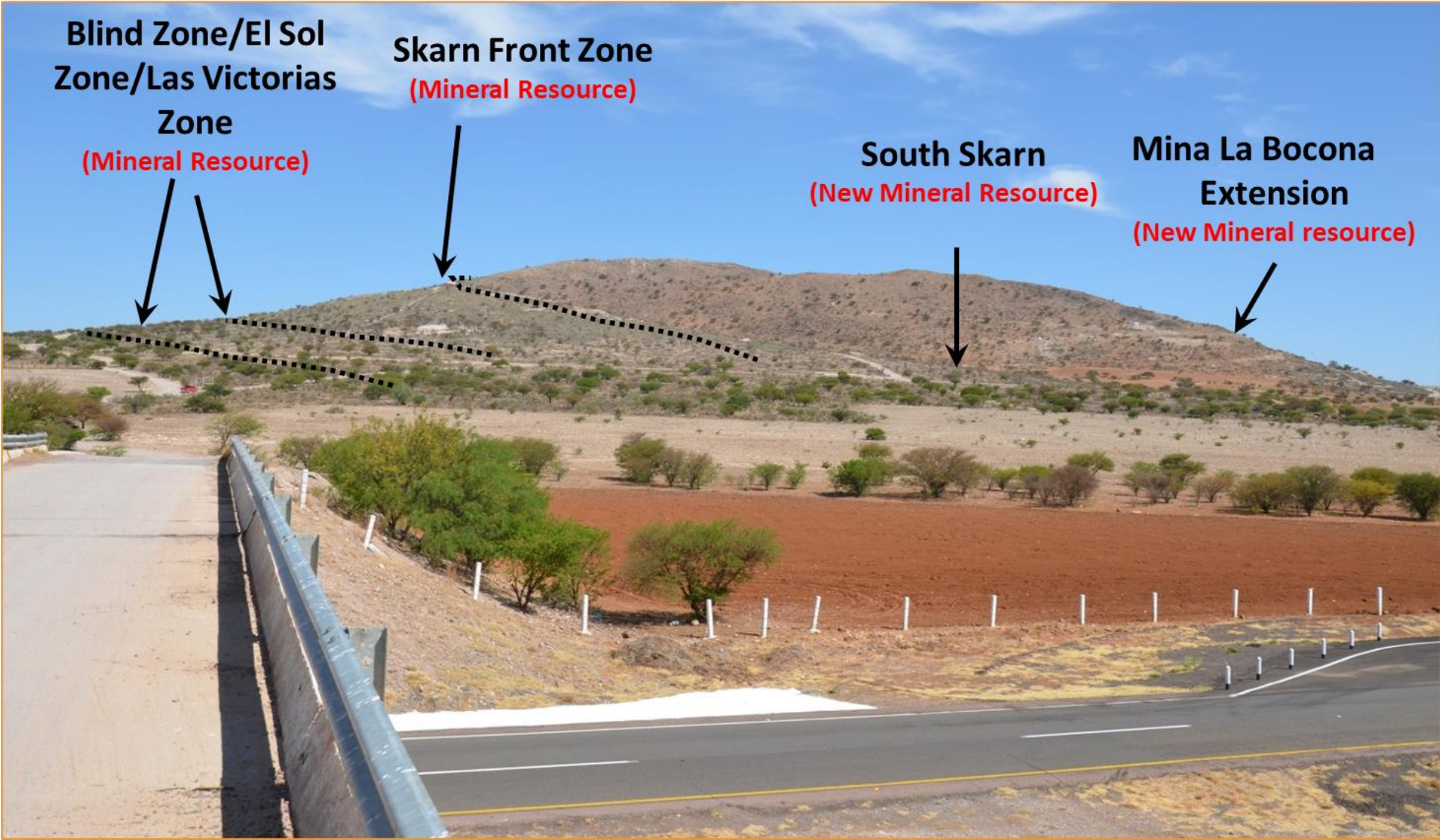
Knowledgeable and Supportive Local Community



- Exploration permits in place
- Social license initiatives: exploration access agreements in place with the local Ejido;
- Exploration/development team is embedded in the community with a local workforce

Cerro Las Minitas

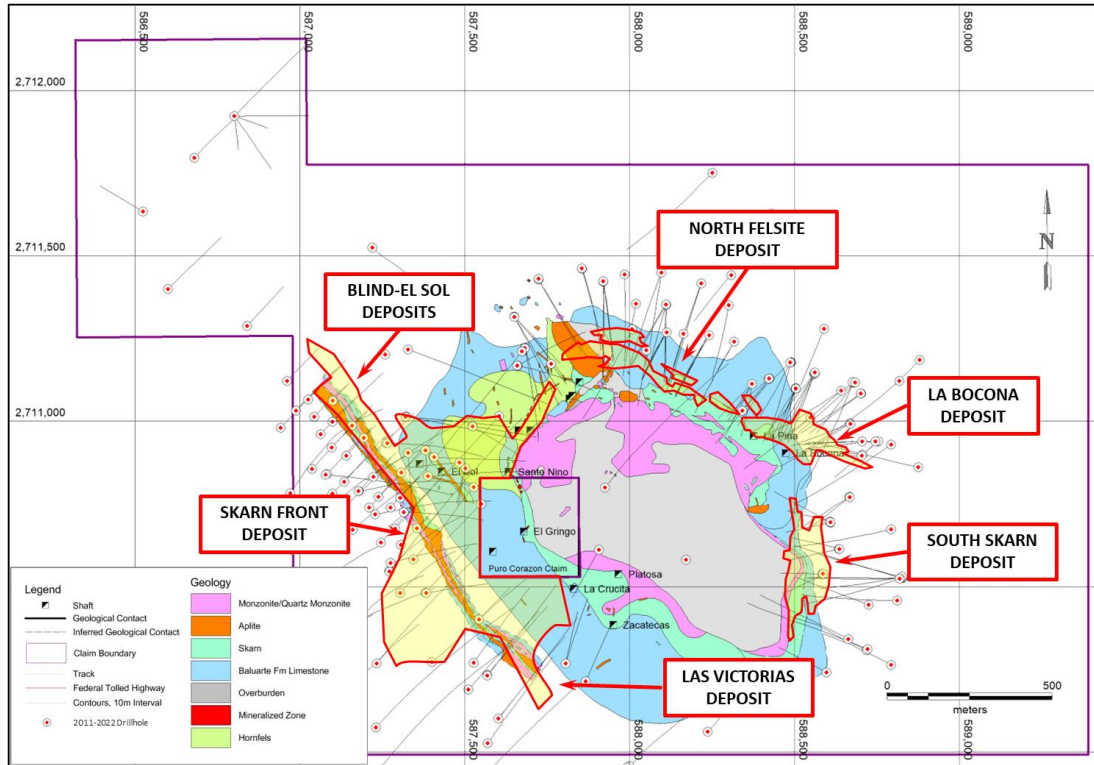
Looking North from the Autopista (Highway)



Cerro Las Minitas

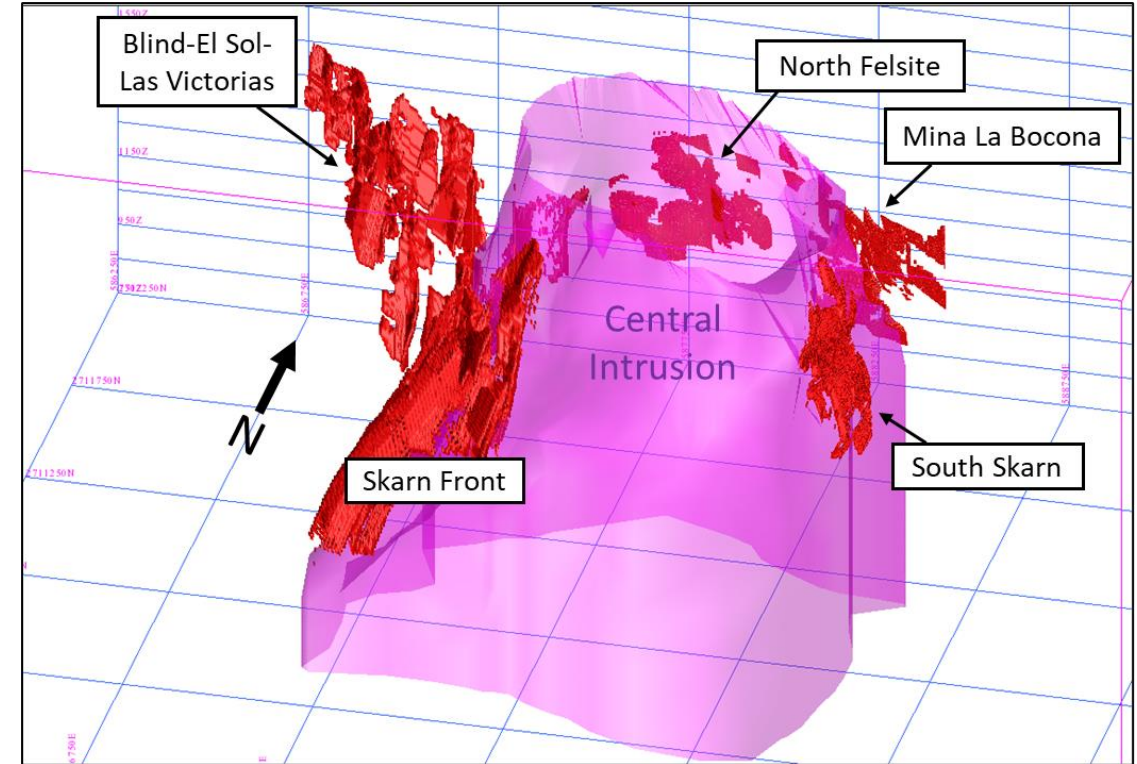
Site Geology and Deposit Distribution

A classic Ag-Pb-Zn CRD/Skarn system similar to major polymetallic Mexican deposits



- A Central Monzonite acts as the heat pump to the mineralizing system
- Historic Mines are localized in the skarn/hornfelsed margin of the monzonite

Seven deposits make up the current Mineral Resources



- Mineralization is localized in sub-vertical structures and on dyke margins in the Blind and El Sol deposits; and
- Semi-massive and massive sulphide lenses occur at the marble-skarn transition, adjacent to the monzonite contact in the Skarn Front, South Skarn and Mina La Bocona deposits

2023 Mineral Resource Estimate (as of March 22, 2023 using a US\$60/t NSR cut-off);

- Indicated – 140Moz AgEq 42.7Moz Ag, 46Mlb Cu, 364Mlb Pb and 903Mlb Zn (349g/t AgEq; or US\$130 NSR/t)
- Inferred – 210Moz AgEq: 80.0Moz Ag, 101Mlb Cu, 571Mlb Pb and 1,029Mlb Zn (311g/t AgEq or US\$123 NSR/t)

| Indicated Resources | | Average Grade | | | | | | | | Contained Metal | | | | | | |
|---------------------|---------------|---------------|-------------|------------|------------|-------------|------------|------------|--------------|-----------------|-----------------|------------|------------|---------------|-------------------|-----------------|
| Zone | Tonnes (Kt) | Ag (g/t) | Au (g/t) | Pb (%) | Zn (%) | Cu (%) | AgEq (g/t) | ZnEq (%) | NSR (US\$/t) | Ag TrOz (000's) | Au TrOz (000's) | Pb (Mlbs) | Zn (Mlbs) | Cu Lbs (Mlbs) | AgEq TrOz (000's) | ZnEq Lbs (Mlbs) |
| Blind Zone | 2,347 | 97 | 0.04 | 1.9 | 2.1 | 0.11 | 295 | 7.2 | 108 | 7,350 | 3 | 99 | 109 | 5.5 | 22,291 | 371 |
| El Sol Zone | 1,154 | 80 | 0.04 | 2.2 | 2.0 | 0.09 | 279 | 6.8 | 100 | 2,956 | 2 | 55 | 51 | 2.2 | 10,337 | 172 |
| Skarn Front Zone | 7,254 | 108 | 0.06 | 0.8 | 4.2 | 0.19 | 383 | 9.3 | 140 | 25,106 | 14 | 126 | 678 | 30.7 | 89,421 | 1,490 |
| La Bocona Zone | 1,755 | 130 | 0.18 | 2.2 | 1.7 | 0.21 | 326 | 7.9 | 136 | 7,331 | 10 | 84 | 65 | 8.0 | 18,406 | 307 |
| Total | 12,510 | 106 | 0.07 | 1.3 | 3.3 | 0.17 | 349 | 8.5 | 130 | 42,742 | 29 | 364 | 903 | 46 | 140,455 | 2,341 |

| Inferred Resources | | Average Grade | | | | | | | | Contained Metal | | | | | | |
|--------------------|---------------|---------------|-------------|------------|------------|-------------|------------|------------|--------------|-----------------|-----------------|------------|--------------|---------------|-------------------|-----------------|
| Zone | Tonnes (Kt) | Ag (g/t) | Au (g/t) | Pb (%) | Zn (%) | Cu (%) | AgEq (g/t) | ZnEq (%) | NSR (US\$/t) | Ag TrOz (000's) | Au TrOz (000's) | Pb (Mlbs) | Zn (Mlbs) | Cu Lbs (Mlbs) | AgEq TrOz (000's) | ZnEq Lbs (Mlbs) |
| Blind Zone | 1,347 | 83 | 0.14 | 1.4 | 1.8 | 0.06 | 248 | 6.0 | 88 | 3,582 | 6 | 40 | 55 | 2 | 10,749 | 179 |
| El Sol Zone | 863 | 65 | 0.03 | 1.8 | 2.3 | 0.05 | 263 | 6.4 | 90 | 1,816 | 1 | 35 | 43 | 1 | 7,283 | 121 |
| Las Victorias Zone | 1,083 | 148 | 0.66 | 2.1 | 2.6 | 0.14 | 431 | 10.5 | 145 | 5,152 | 23 | 51 | 62 | 3 | 15,006 | 250 |
| Skarn Front Zone | 11,466 | 115 | 0.05 | 0.7 | 2.7 | 0.32 | 318 | 7.7 | 126 | 42,462 | 18 | 177 | 687 | 80 | 117,065 | 1,951 |
| South Skarn Zone | 3,789 | 140 | 0.18 | 2.0 | 1.3 | 0.09 | 309 | 7.5 | 130 | 17,007 | 22 | 167 | 112 | 7 | 37,660 | 628 |
| La Bocona Zone | 2,481 | 125 | 0.17 | 1.8 | 1.3 | 0.13 | 285 | 6.9 | 120 | 9,977 | 14 | 100 | 71 | 7 | 22,702 | 378 |
| Total | 21,030 | 118 | 0.12 | 1.2 | 2.2 | 0.22 | 311 | 7.6 | 123 | 79,997 | 85 | 571 | 1,029 | 101 | 210,464 | 3,507 |

Notes:

- 1) The current Resource Estimate was prepared by Garth Kirkham, P.Geo., of Kirkham Geosystems Ltd.
- 2) All mineral resources have been estimated in accordance with Canadian Institute of Mining and Metallurgy and Petroleum ("CIM") definitions, as required under National Instrument 43-101 ("NI43-101").
- 3) Mineral resources were constrained using continuous mining units demonstrating reasonable prospects of eventual economic extraction.
- 4) Silver Equivalents were calculated from the interpolated block values using relative recoveries and prices between the component metals and silver to determine a final AgEq value. The same methodology was used to calculate the ZnEq value.
- 5) Silver Equivalents and NSR\$/t values were calculated using average long-term prices of \$20/oz. silver, \$1,650/oz. gold, \$3.25/lb. copper, \$1.0/lb. lead and \$1.20/lb. zinc. All prices are stated in \$USD.
- 6) Mineral resources are not mineral reserves until they have demonstrated economic viability. Mineral resource estimates do not account for a resource's mineability, selectivity, mining loss, or dilution.
- 7) An Inferred Mineral Resource has a lower level of confidence than that applying to an Indicated Mineral Resource and must not be converted to a Mineral Reserve. It is reasonably expected that the majority of Inferred Mineral Resources could be upgraded to Indicated Mineral Resources with continued exploration.
- 8) All figures are rounded to reflect the relative accuracy of the estimate and therefore numbers may not appear to add precisely.

PEA Highlights – Effective Aug 29, 2022

15yr Mine Life

Robust Project Economics

- Base Case¹: after-tax NPV5% of US\$349M (C\$450M, C\$1.55/share), IRR of 17.9%

Excellent Silver and Zinc Price Leverage

- Base-case +15%²: after-tax NPV5% of US\$561M (C\$ 728M, C\$2.49/share), IRR of 24.4%

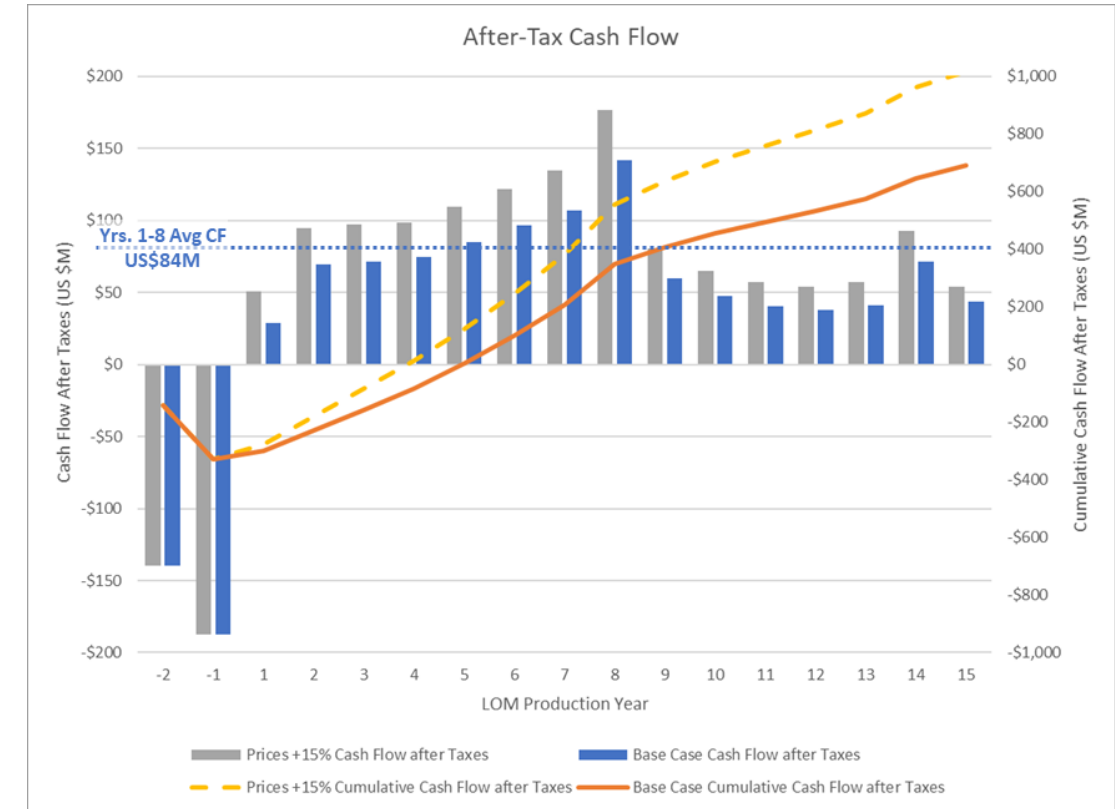
High-Revenue Project

- Base Case revenues: US\$3.7B
- Balanced precious vs base metal revenues with silver representing 42% of revenues and zinc representing 39% of revenues
- Initial CapEx of \$341M

Well Located Project

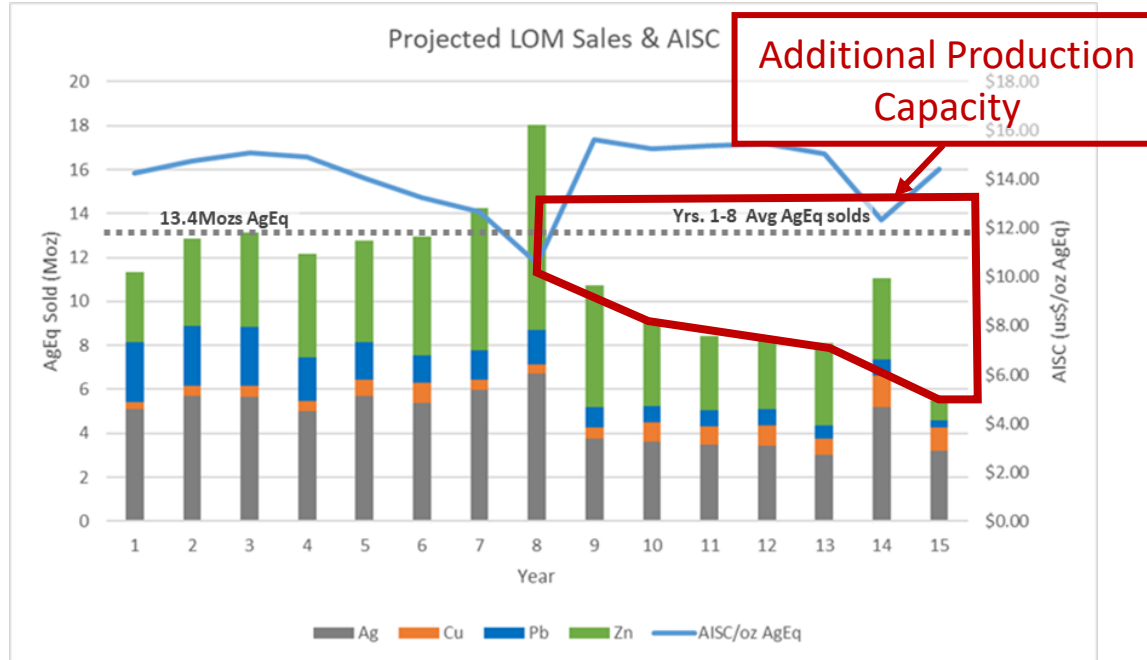
- Mining friendly jurisdiction with excellent infrastructure in southeast Durango

Higher Margin Mineralization Targeted in the First Eight Years of Production Leading to Improved Economics.



1. Base case: assumes (Ag- \$21.95/oz, Cu – \$3.78/lb, Pb – \$0.94/lb and Zn - \$1.33/lb)
2. Base Case +15% assumes (Ag- \$25.24/oz, Cu – \$4.35/lb, Pb – \$1.08/lb and Zn - \$1.53/lb)

Modelled LOM Production: 24.5 Mt @ 0.2% Cu, 1.1% Pb, 2.6% Zn, 110g/t Ag, 0.09g/t Au - Average NSR of \$US 128/t



LOM Ag/Cu/Pb/Zn sales are shown on an AgEq basis based on: Ag = \$21.95/oz, Cu = \$3.78/lb, Pb = \$0.94/lb and Zn = \$1.33/lb

All-in Sustaining cost (AISC) is calculated as: Operating costs (mining, processing and G&A) + Incremental PTUs + Concentrate Transportation + Treatment & Refining Charges + Penalties + Sustaining Capital + Closure Costs + Silver Revenue Royalty and is reported on using a AgEq payable basis

Robust AgEq Production which Peaks in Year 8

Large-Scale Underground Mining Operation

- Modelled LOM Production: 24.5 Mt @ 0.2% Cu, 1.1 % Pb, 2.6 % Zn, 110 Ag, 0.09 g/t Au - Average NSR of \$US 128 /t
- 15-year mine life
- Annual Production of **11.3 Mozs/yr AgEq** (inc. **4.7 Mozs Ag**)
- LOM Production of **168.8 Mozs AgEq** (inc. **70.8 Mozs Ag**)
- LOM AISC of \$13.27/oz AgEq sold

Further Project Upside

- **New deposits:** deposits remain open laterally and to depth to be explored
- **Gold Recovery:** to be incorporated into the process flowsheet
- **Engineering Updates:** CapEx and OpEx efficiencies

The PEA has modelled robust annual average cashflow particularly in the first eight years of mine-life. New work will focus on increasing free cash flow within the current model

Adding Additional Resources:

- New resources added at North Felsite in 2023 to be incorporated into the mine design. Other areas with exploration potential include:
 - North Skarn
 - Down-dip extensions of the eastern deposits

Engineering Upgrades:

- Higher payable subsets of the Mine Production Schedule to be evaluated
- Modified sub-blocking routine

Capital Cost/Contingency Reduction:

- Full vetting of the Cash-flow model has identified additional cash saving opportunities

Process Flow-sheet – Gold-Copper Metallurgy:

- Gold is not included as a payable in the current processing flowsheet; currently working to define gold payables
- Standardization of the metallurgical recoveries across all the deposits adds gold, copper and zinc revenues

Oxide mineralization:

- Au-Ag-enriched oxide mineralization is not included in the flowsheet and could be used to augment recovered gold from the pyrite-arsenopyrite-concentrate

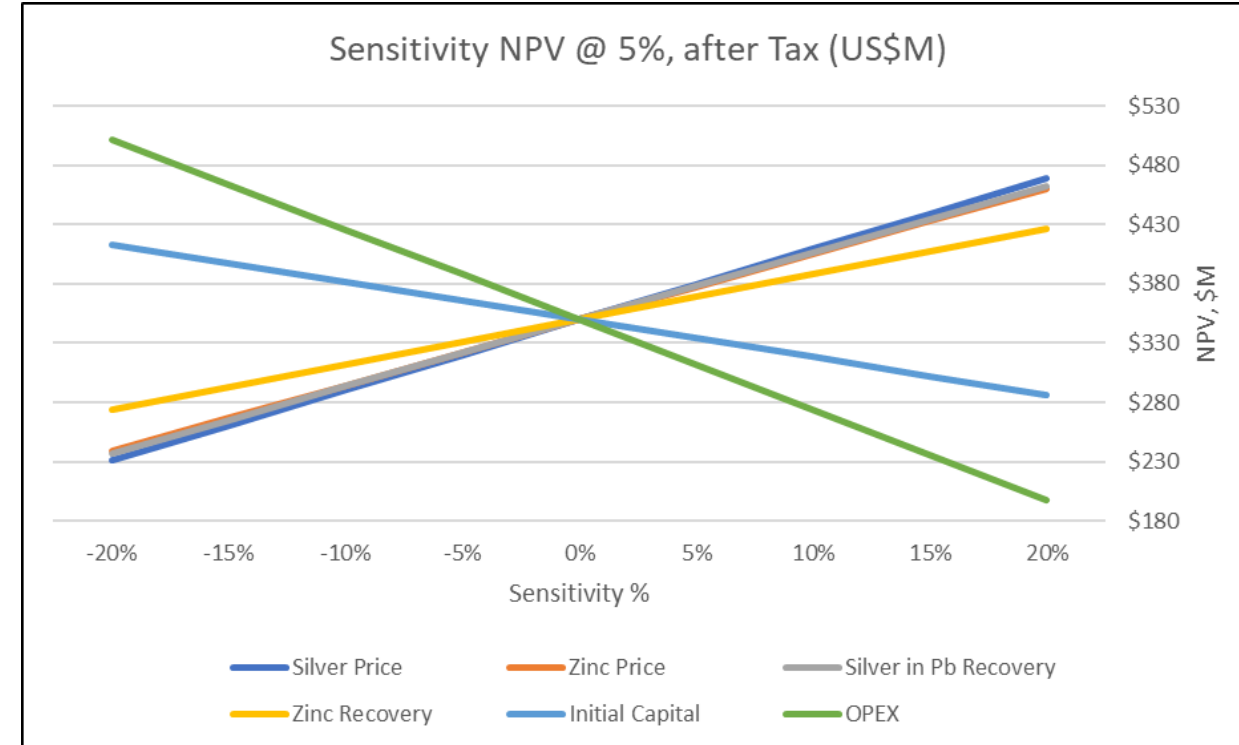
Ore-Sorting:

- Positive initial test results suggest significant waste rejection and retention of mineral value. Further work is required

- Base Case NPV5% = \$349M
- The project NPV5% shows greatest sensitivity to:
 - silver and zinc metal prices,
 - then silver and zinc metal recoveries, and
 - then OpEx and Initial Capital

Sensitivity NPV @ 5%, after Tax (US\$M)

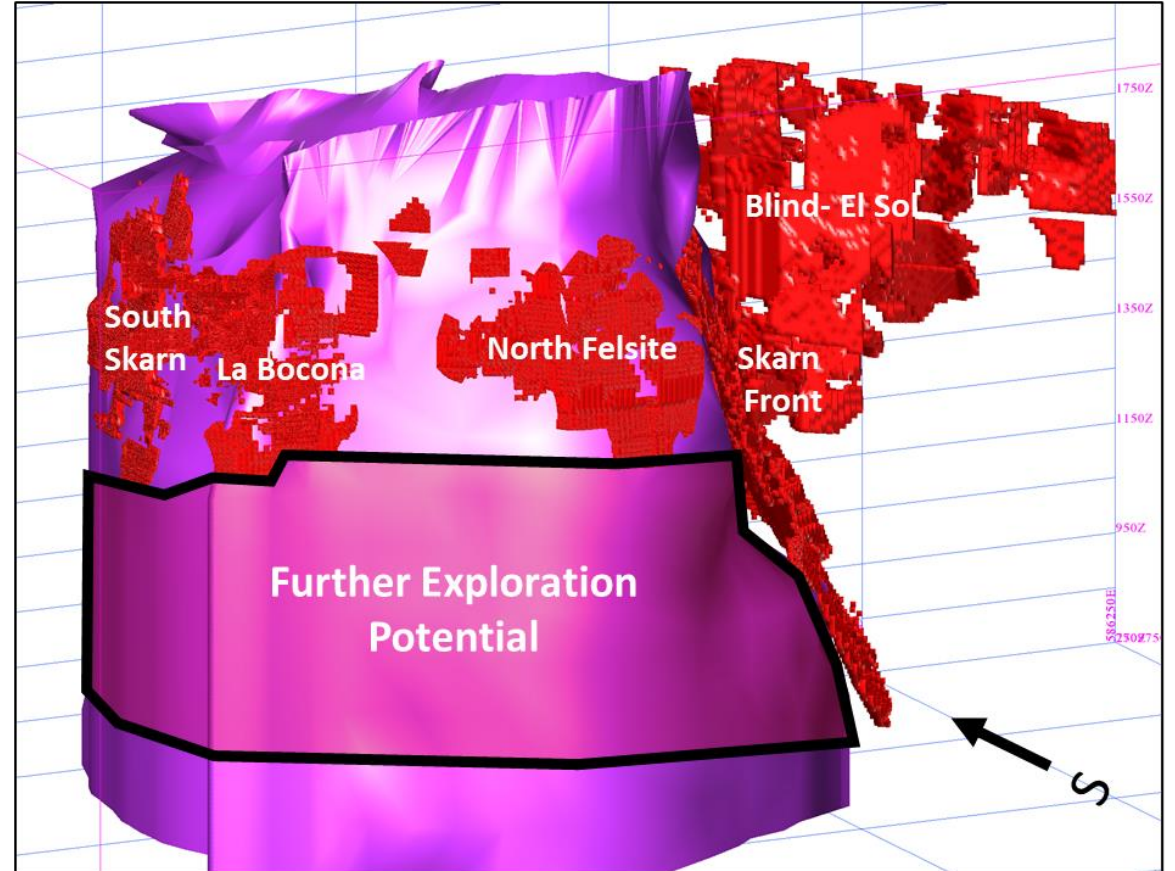
| Sensitivity | Silver Price | Zinc Price | Silver in Pb Recovery | Zinc Recovery | Initial Capital | OPEX |
|-------------|--------------|------------|-----------------------|---------------|-----------------|--------|
| 20% | \$118 | \$111 | | | -\$63 | -\$109 |
| 15% | \$89 | \$83 | | | -\$47 | -\$82 |
| 10% | \$59 | \$55 | \$56 | \$38 | -\$31 | -\$54 |
| 5% | \$30 | \$28 | \$28 | \$19 | -\$16 | -\$27 |
| 0% | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| -5% | -\$30 | -\$28 | -\$28 | -\$19 | \$16 | \$27 |
| -10% | -\$59 | -\$55 | -\$56 | -\$38 | \$31 | \$54 |
| -15% | -\$89 | -\$83 | -\$85 | -\$57 | \$47 | \$82 |
| -20% | -\$118 | -\$111 | -\$113 | -\$76 | \$63 | \$109 |



1. Base case: assumes (Ag- \$21.95/oz, Cu – \$3.78/lb, Pb – \$0.94/lb and Zn - \$1.33/lb)
2. Base Case +15% assumes (Ag- \$25.24/oz, Cu – \$4.35/lb, Pb – \$1.08/lb and Zn - \$1.53/lb)

Drilling has now identified a 1200 metre strike-length of mineralization on the East side of the Cerro

- Three mineralized “Shoots” identified on the eastern side of the Cerro
- Mineralization is open at depth for further resource expansion
- Clear exploration pathway to a +40Mt deposit
- UV/XRF analyses utilized to assist in drill targeting

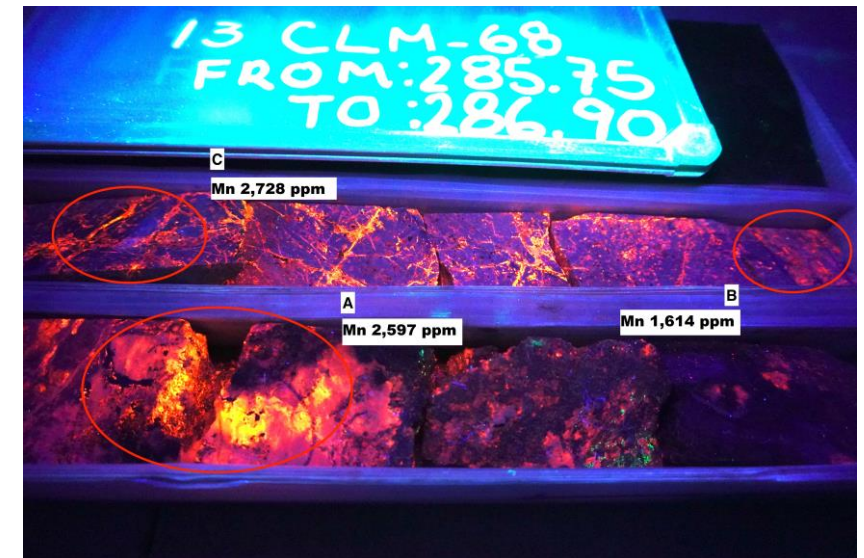
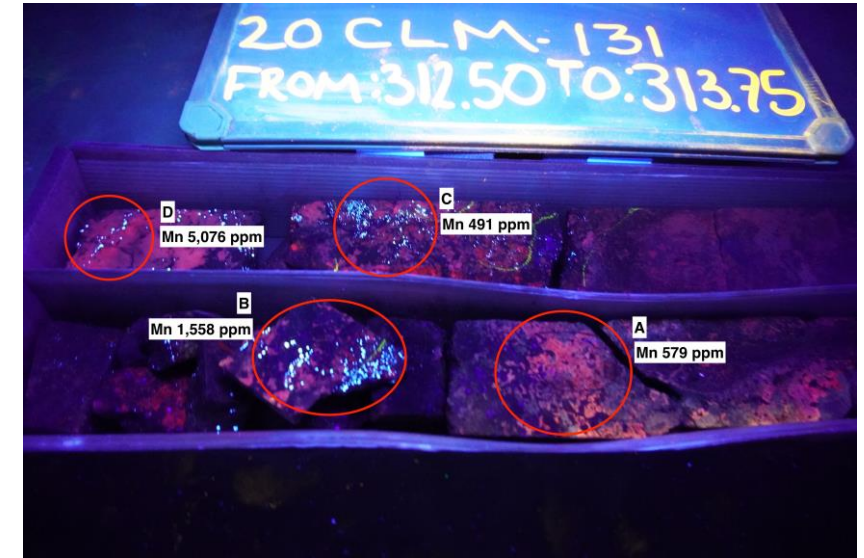


Theory

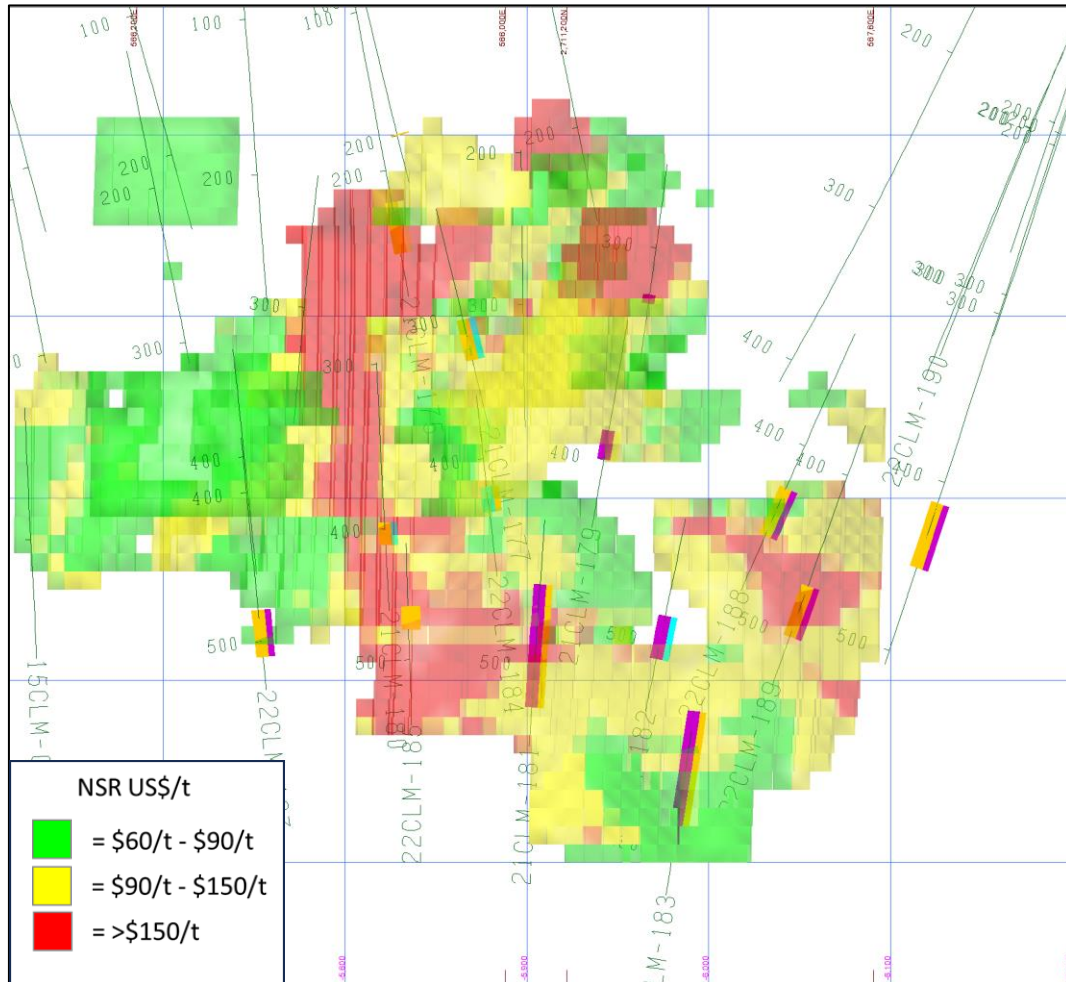
- Mn (and other elements) form wide halos around carbonate hosted mineral deposits
- Minerals are captured in secondary calcite veins and altered host rock
- Used to evaluate “roll-front” Au-targets in Nevada and CRD/Skarn-targets in Mexico and other jurisdictions
- Popularized by Peter Megaw and MDRU (University of BC)
- Currently used by Reyna Silver and Western Alaskan Minerals

Methodology

- The distribution of the UV fluorescence colours and intensity is used to “map” zoning patterns around high-grade mineralized intervals
- XRF analyses allow a correlation between the fluorescence and the associated metals



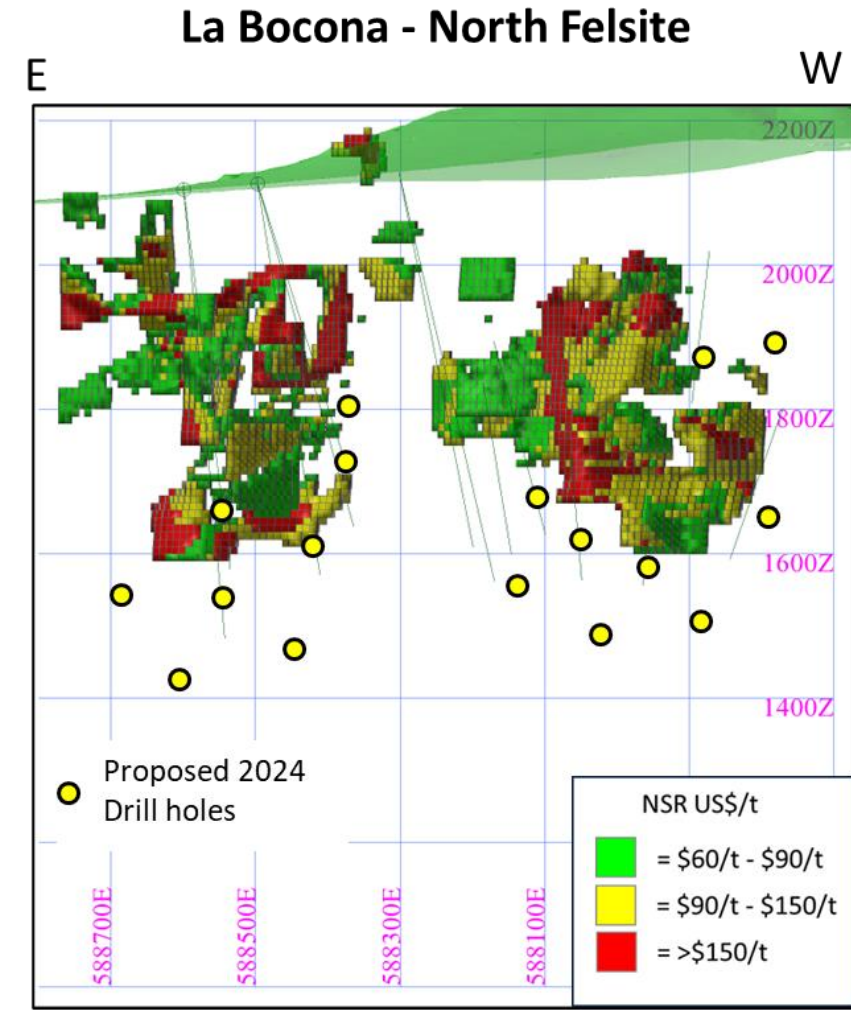
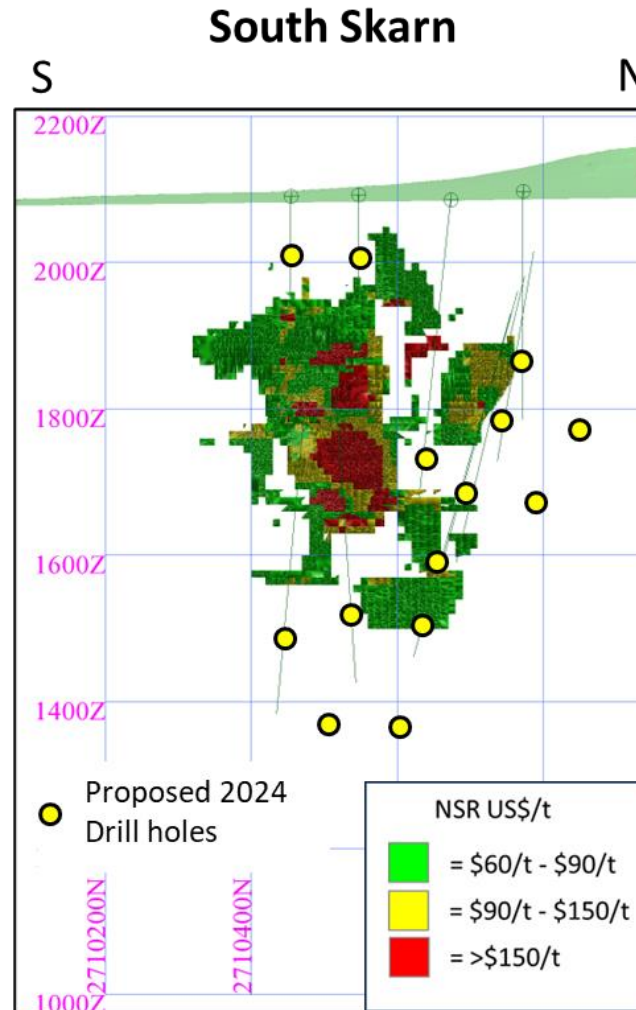
North Felsite Long-Section with Resource Blocks and Calcite Fluorescence



- This work was successful in highlighting higher grade lenses within the of the South Skarn, Mina La Bocona and North Felsite deposits
- “Pink Fluorescence” may be associated with elevated Pb values in calcite veins which, on a deposit scale, is associated with elevated silver and clusters within the higher grade mineralized lenses
- “Orange fluorescence” forms broader halos around the higher grade zones which can be mapped in 3D and used to vector into new targets
- Calcite fluorescence suggests further exploration potential at depth beneath the eastern deposits
- Work continues to test and evaluate further exploration potential in the Skarn Front deposit

New Drill Targeting Highlights a Pathway to Expand Resources on the Eastern Side of the Cerro

- New Drilling is planned for 2024 which will target Resource Expansion in the Eastern Deposits
- Initial Drilling will focus on shallow gaps in the existing deposits and lateral and down dip extensions of the higher grade mineralized lens within each deposit
- Drilling is to include up to 15,000 metres as an initial pass followed by a further 10,000 metres to extend the better defined zones of mineralization
- Exploration target of adding 4Mt to 8Mt of mineralization to the Resource Base



Work on the Cerro Las Minitas project continues to de-risk the project and add further value Resource Expansion

ESG - Continuing on the Pathway to Production

- Permitting parameters - **established**
- Environmental/Hydrology baseline studies – **in progress**
- Social/Government engagement - **continuing**

Preparation for Resource Expansion

- Technical studies to assist initial drill targeting – **completed**
- Targeting established to grow the Resource to +40Mt

Technical Opportunities to Upgrade the Project Economics

1. Adding new mineral resources in the North Felsite area
2. Adding gold revenues into the cash flow model
3. Standardizing the overall metal recoveries/payables between the seven mineral deposits. This adds both gold and copper revenues to and increased Zn recoveries in several deposits.
4. Optimizing the OpEx which together with the NSR updates will lower the mine cut-off and increase mine through-put resulting in increased annual average production
5. Optimizing/reducing the CapEx which will positively impact the pay-down of the project

US Exploration

Southern continues to advance two earlier stage projects in southern New Mexico, giving the shareholder additional exposure to copper, gold and silver



➤ Oro Project

- Large Laramide Cu-Mo-Au Porphyry system

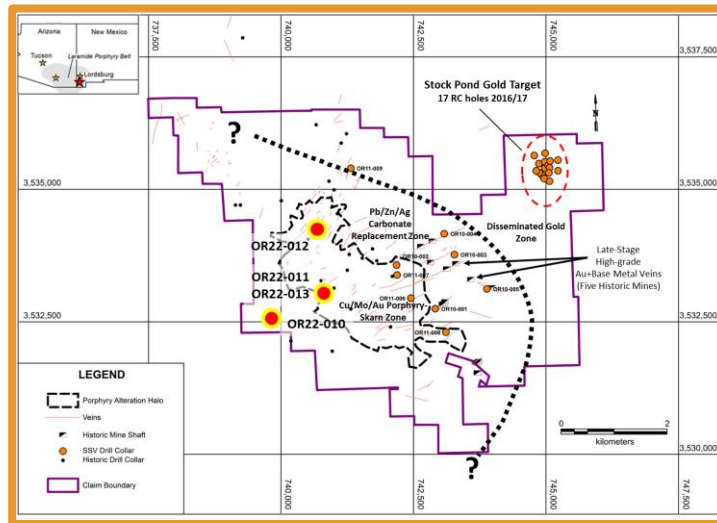
➤ Hermanas

- Widespread Au-Ag epithermal vein system.

The Company has Identified Favorable Targets to Provide Investors an Exposure to Copper, Gold and Silver

Oro Property

- 100% owned by SSV
- +22.4 sq. km property
- +\$8M Expenditures
- New claims added
- Airborne Z-TEM in 2018
- Surface sampling, clay alteration studies, historic compilation and 29 drill holes



Geology Favorable for Large Cu-Mo Porphyry Discovery

- Target is deposit similar to El Chino (P+P reserves of 301Mt of 0.38%Cu) or Tyrone (P+P reserves of 59Mt at 0.32% Cu)¹
- Zoning over a 4km extent transitioning from Cu-Mo porphyry to Ag-Pb-Zn replacements to distal gold targets
- Evidence suggest the very top of a major porphyry system
- Drilling identified broad areas of mineralization and alteration; new targets identified

1. All Reserves on this page are derived from company annual reports and are as of December 31st, 2014

Hermanas Project, Southern New Mexico

- Newly optioned from Bud and Nick Hillemeier and Perry Durning
- Optioned by SSV to own 100%
- Geology Favorable for Large Epithermal Vein System
 - Numerous occurrences of anomalous Au, Ag and pathfinder metals
 - High-level textures suggesting good exploration potential at depth
 - Limited historic drilling
- Permitting in progress for drilling in 2024





Diverse Assets

Property Package with
Exposure to both
Precious and Base/EV
Metals

PEA Results

Highlights Robust Asset
Value of the CLM Project

Catalysts

Updated PEA for Q2 '24
CLM: New Drilling
Hermanas: Drilling 2024

Ongoing

CLM: Surface Exploration
and Targeting
Oro: New Targeting

Notes