



SIERRA NEVADA GOLD

ASX ANNOUNCEMENT

ASX: SNX

28 May 2024

Investor Presentation

ASX-listed gold, silver and copper explorer Sierra Nevada Gold Inc. (ASX:SNX) ("the Company") is pleased to release the attached updated Investor Presentation containing information about the Company and its projects, for the information of current and potential investors.

This announcement was authorised for release by Mr Peter Moore, Executive Chairman of the Company.

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SIERRA NEVADA GOLD

Drill ready gold, silver & copper explorer

INVESTOR PRESENTATION
MAY 2024

ASX : SNX

Disclaimer

PURPOSE OF THIS DOCUMENT

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EVENTS AFTER THE DATE OF THIS DOCUMENT

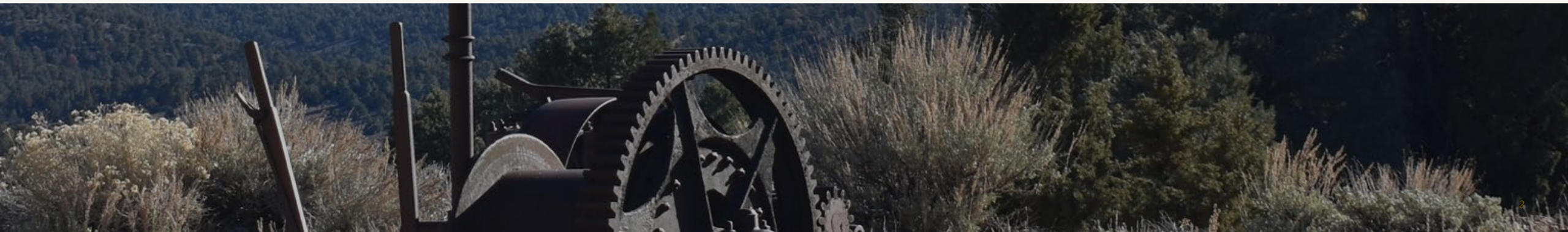
Statements in this presentation are made only as of the date of this presentation unless otherwise stated and the information in this presentation remains subject to change without notice. SNX is not responsible for updating nor undertakes to update this presentation.

CAUTIONARY STATEMENT REGARDING FOREIGN AND HISTORIC NON-JORC RESOURCES

References to historic estimates and foreign estimates in this presentation are not reported in accordance with the JORC Code 2012. The foreign historic non-JORC estimates are included as indications of mineralisation only. We understand that Sierra Nevada does not intend to conduct further assessment of those non-JORC resources and are not exploration targets for Sierra Nevada. As far as we are aware, there are no more recent estimates available. A competent person has not done sufficient work to classify the foreign estimates as mineral resources or ore reserves in accordance with the JORC Code, and it is uncertain that following evaluation and/or further exploration work that the foreign estimates would be able to be reported as mineral resources or ore reserves in accordance with the JORC Code.

COMPETENT PERSON STATEMENT

The information in this document that relates to Exploration Results is based on information compiled or reviewed by Mr. Brett Butlin, a Competent Person who is a fellow of the Australian Institute of Geoscientists (AIG). Mr. Butlin is a full-time employee of the Company in the role of Chief Geologist and is a shareholder in the Company. Mr. Butlin has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr. Butlin consents to the inclusion in the presentation of the matters based on his information in the form and context in which it appears.



Sierra Nevada Gold (ASX:SNX)



Nevada focused successful explorer established in 2011, listed on the ASX in May 2022.



Expansive land package with pipeline of well-located gold exploration projects derived over many years.



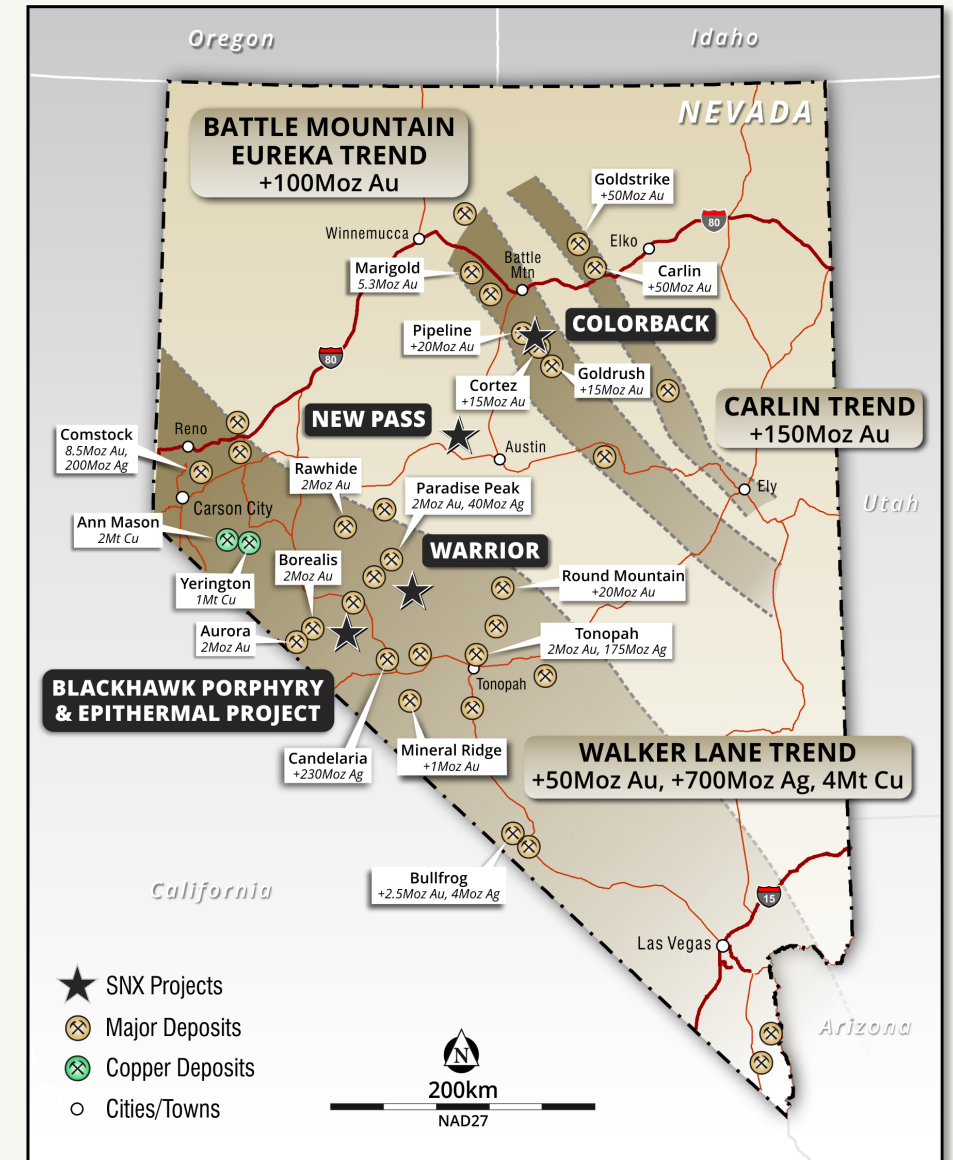
Focused on exploring large scale Blackhawk silver and Warrior gold epithermal systems, following up on recent drilling success.



Team active in Nevada for 20+ years with a history of involvement in major discoveries such as Pipeline (20Moz) & Long Canyon (3.4Moz).



Value proposition - acquire, generate and test high impact targets employing proprietary remote sensing and geophysical data .



Company Overview

CAPITAL STRUCTURE

Ticker	ASX:SNX
Share Price (May 27, 2024)	A\$0.12
52 – Week Range	A\$0.04 - A\$0.16
Shares Outstanding	76,074,926
Options (WAEP: A\$0.42)	3,282,210
FD Shares Outstanding	81,388,442
Market Capitalisation (Basic)	A\$9.13M
Cash (March 31, 2024)	A\$919,914

Note: Australian dollar figures above have been calculated using a US\$:A\$ exchange rate as of Mar 31, 2024, of US\$0.653 : A\$1.00

SUBSTANTIAL HOLDERS

Cairnglen Investments Pty Ltd	16.12%
Athena AX LLC	7.10%
Kensington Trust Singapore Ltd <IS&P Singapore>	6.68%
Goldco Investments Limited	6.59%
Stella Adriatica (Singapore) Pte Ltd	5.66%

Source: Company reports and substantial holder notices provided to the Company

SHARE PRICE HISTORY – SINCE JUNE 2023



KEY PERSONNEL

Peter Moore	Executive Chairman
Dr David Ransom	Non-Executive Director
Robert Gray	Non-Executive Director
Brett Butlin	Chief Geologist
Tony Panther	Company Secretary

Total Directors/Management holdings **9.5%**

Nevada gold and copper discovery opportunities

1. BLACKHAWK EPITHERMAL – HIGH-GRADE SILVER-GOLD-LEAD-ZINC

- Large high-grade system - discovery hole **12.0m at 219g/t Ag, 0.36g/t Au, 3.05% Pb and 8.54% Zn*** drilled 150m below the Endowment Mine.

2. WARRIOR – HIGH-GRADE EPITHERMAL GOLD

- Large well mineralised epithermal gold systems identified.
- 2023 drilling returned up to **20.73m at 2.13g/t Au incl. 10.97m at 3.76g/t Au.***
- +10 strike km of blind targets under shallow cover identified- **significant upside.***

3. NEW PASS – HIGH-GRADE GOLD, HISTORIC PRODUCTION

- 2022 drilling of gold veins returned **1.22m at 26.7g/t Au - visible gold.***
- Early ore zone extension potential – known vein geometry, mostly undrilled.

4. COLORBACK – CARLIN-STYLE GOLD (Battle Mountain Trend +100Moz Au)

- Next to and analogue for the giant Cortez and Pipeline deposits (**+50Moz**).
- SNX drilling confirms near-surface mineralization – **29.26m at 1.30g/t Au incl. 7.32m at 3.61g/t Au – “leakage anomaly”** within major structural trend.¹

5. BLACKHAWK PORPHYRY - COPPER / GOLD

- SNX discovery – potential large-scale copper / gold porphyry system.
- Multiple high impact drill-ready targets – *advanced JV discussions ongoing.*

*NOTE – All references provided in the body of the presentation where required.

1. Information on the 2022 RC drilling program – ASX Release 10th February 2023 -SNX hits 29.26m at 1.30g/t gold at Colorback, Nevada, USA





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Blackhawk Epithermal High Grade Silver-Gold-Lead-Zinc

ASX : SNX

1. Blackhawk Epithermal – Large-scale vein system

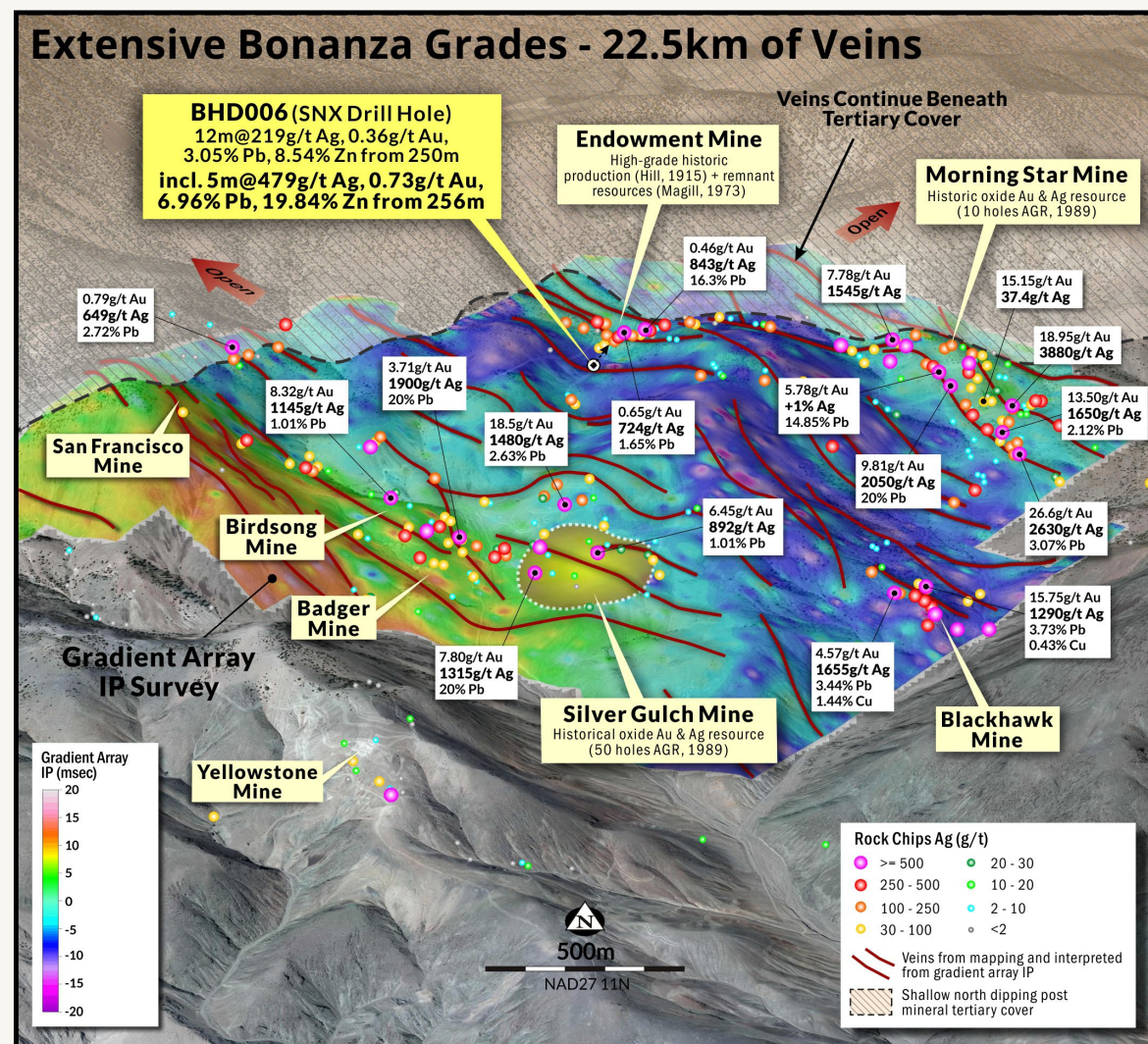
BONANZA ROCK SAMPLES RETURNED OVER 5km²

- 22.5km of undrilled veins identified.
- Consistent high-grade rock chip geochemistry returned throughout project area (+30g/t Au, 1% Ag, +20% Pb, Zn).²

HIGH-GRADE DISCOVERY MADE BENEATH THE ENDOWMENT MINING CENTRE

- Historic high-grade producing mine.
- Sierra Nevada drill hole BHD006 (2018) of **12.0m at 219g/t Ag, 0.36g/t Au, 3.05% Pb and 8.54% Zn from 250-262m** downhole. This interval includes the higher-grade interval of **5.0m at 479g/t Ag, 0.73g/t Au, 6.96% Pb and 19.84% Zn**.³
- BHD006 Intersection 150m below the mine.

Discovery Hole BHD006. 259.5m
Banded quartz, yellow-red sphalerite,
galena, and manganese oxide after
rhodochrosite.



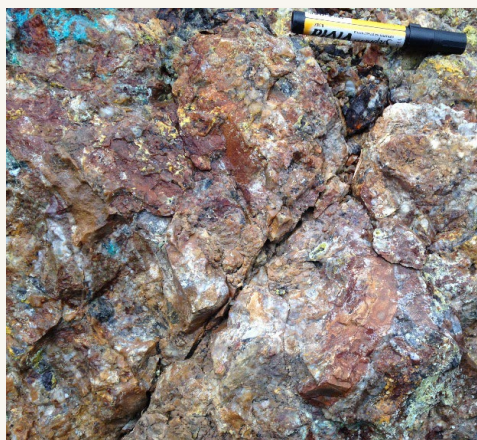
2. Information on SNX's geochemical sampling - Sierra Nevada Gold Replacement Prospectus - Annexure A. Independent Geological Report pages 45-46, figure 17.

3. Information on SNX's drilling - Sierra Nevada Gold Replacement Prospectus - Annexure A. Independent Geological Report pages 45-51.

4. Figure on right - ASX Release 31 May 2023- "SNX initiates Blackhawk Porphyry JV process; and prepares for drilling at Warrior, Nevada, USA" figure 3

Endowment Mine Ag-Pb-Zn-Au-Cu system

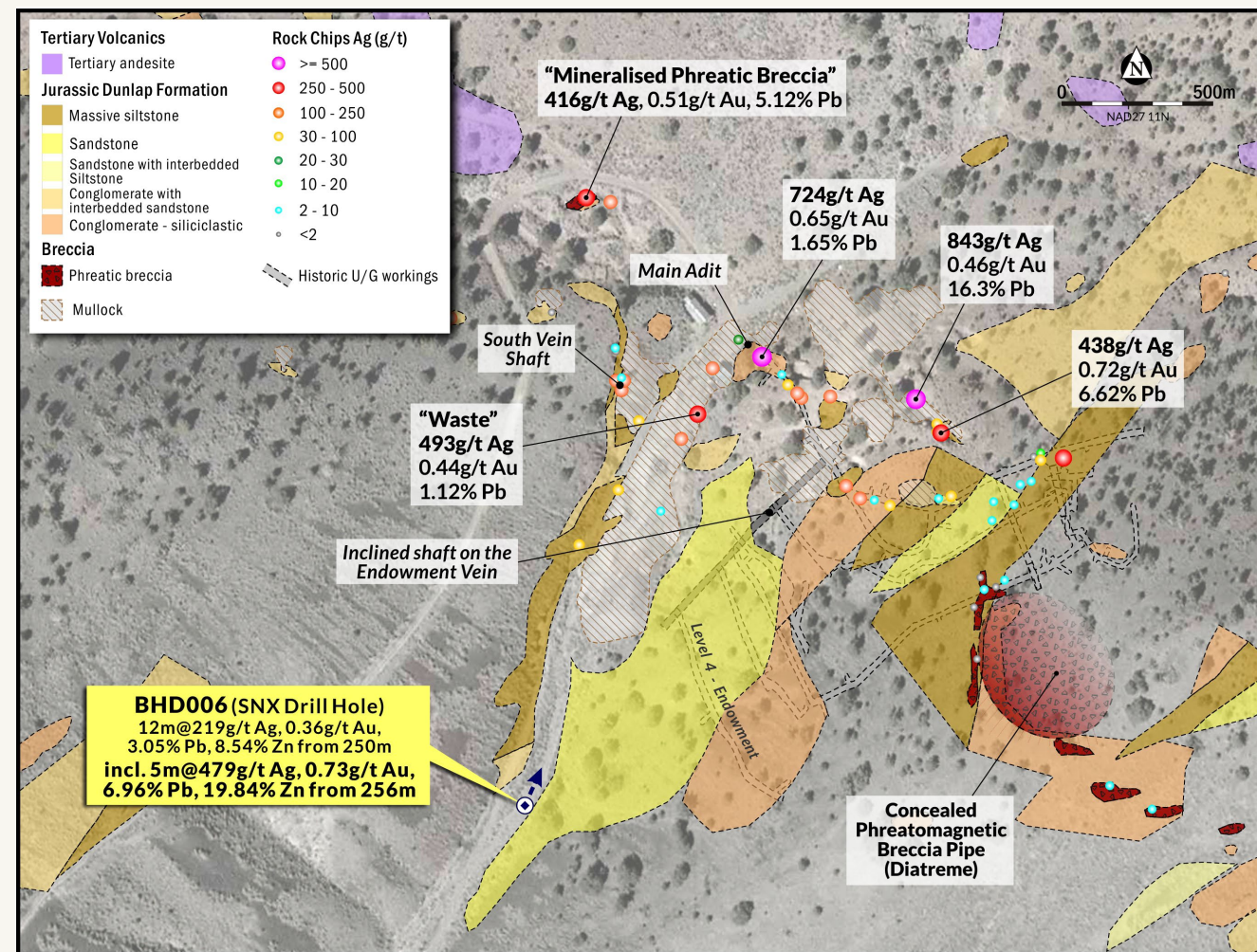
- NW trending, moderately SW dipping vein and breccias discovered 1860's, extensively mined through to the 1880's.
- 70koz's Au** equivalent of past production (Hill, 1915).⁵
- Mined to only 70-100m vertically (open at depth).
- Ore derived from 6 interconnected vein and fault systems – 2 different mining centres.
- Magill (1973) used extensive underground mapping and sampling to estimate a remaining, non-JORC compliant high-grade resource within the area of current development.⁵



416g/t Ag, 0.51g/t Au, 5.12% Pb.
Phreatic Breccia. EX458.



493g/t Ag, 0.44g/t Au, 1.12% Pb. "Waste"
found on Mullock dump. Argillic altered,
strongly sulphidic wall rock. EX455.



The Endowment Mine - Geology and Ag (g/t) rock chip geochemistry on orthophoto.

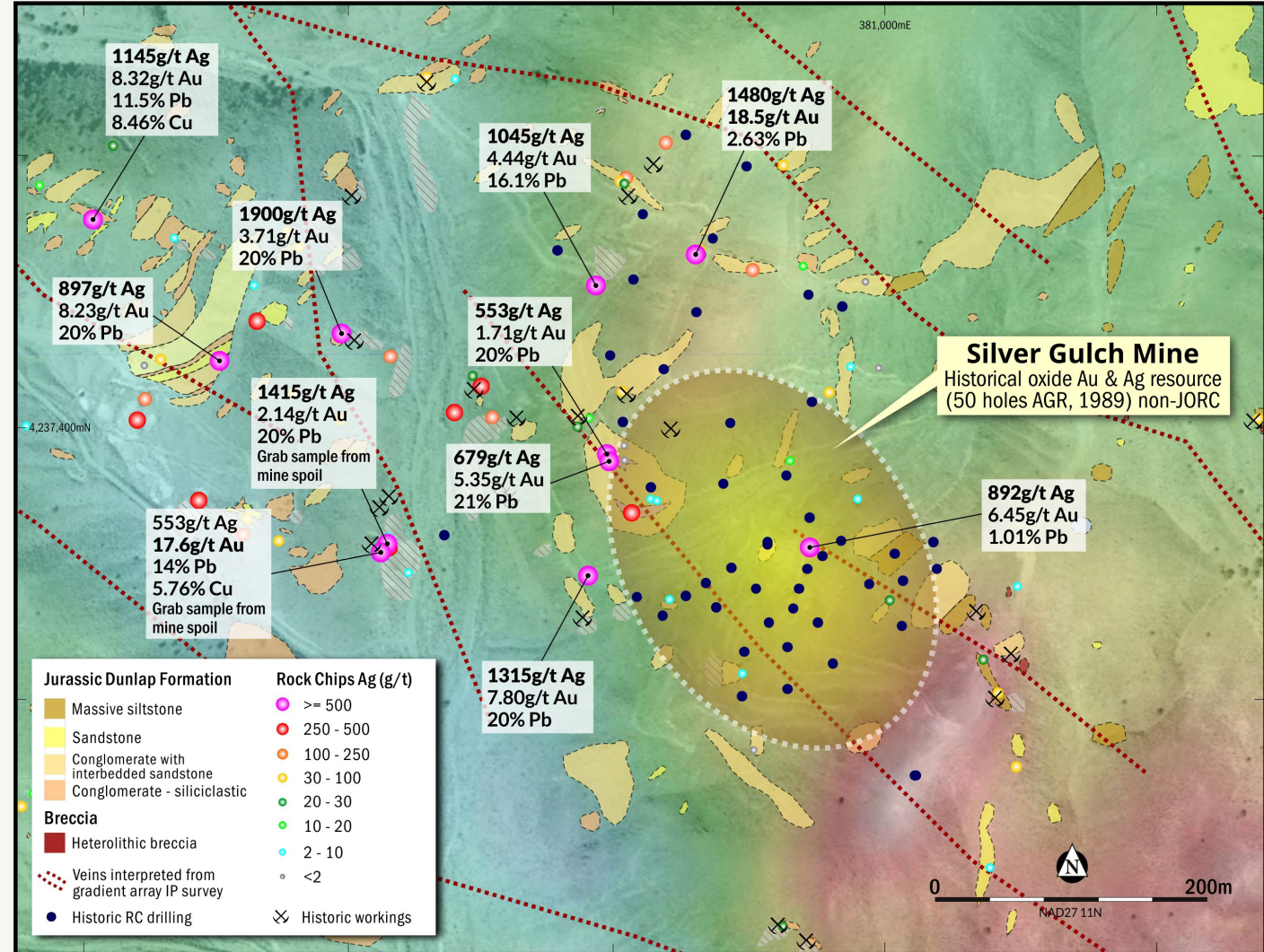
5. Sierra Nevada Gold Replacement Prospectus - Annexure A. Independent Geological Report pages 46-49

Silver Gulch Ag-Pb-Zn-Au system

- 700m x 400m Au/Ag system with large well developed alteration system.
- Relatively deeply oxidised footprint.
- Area aggressively drilled by American Gold Resources (AGR) in the 1980's due to the deeper level of oxidation – AGR were exploring for shallow oxide Au and Ag deposits.
- AGR (1989) completed preliminary metallurgical studies and estimated a non-JORC oxide resource (50 holes).⁶



Silver Gulch. Note the alteration in the foreground and drill roads from the resource drilling in the 1980's.



Geology, drilling and rock chip Ag (g/t) on orthophoto with RTP magnetics. Area of 1980's era oxide resource highlighted.

6. Sierra Nevada Gold Replacement Prospectus - Annexure A. Independent Geological Report page 51



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Warrior Project



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2. Warrior Project – High-grade epithermal

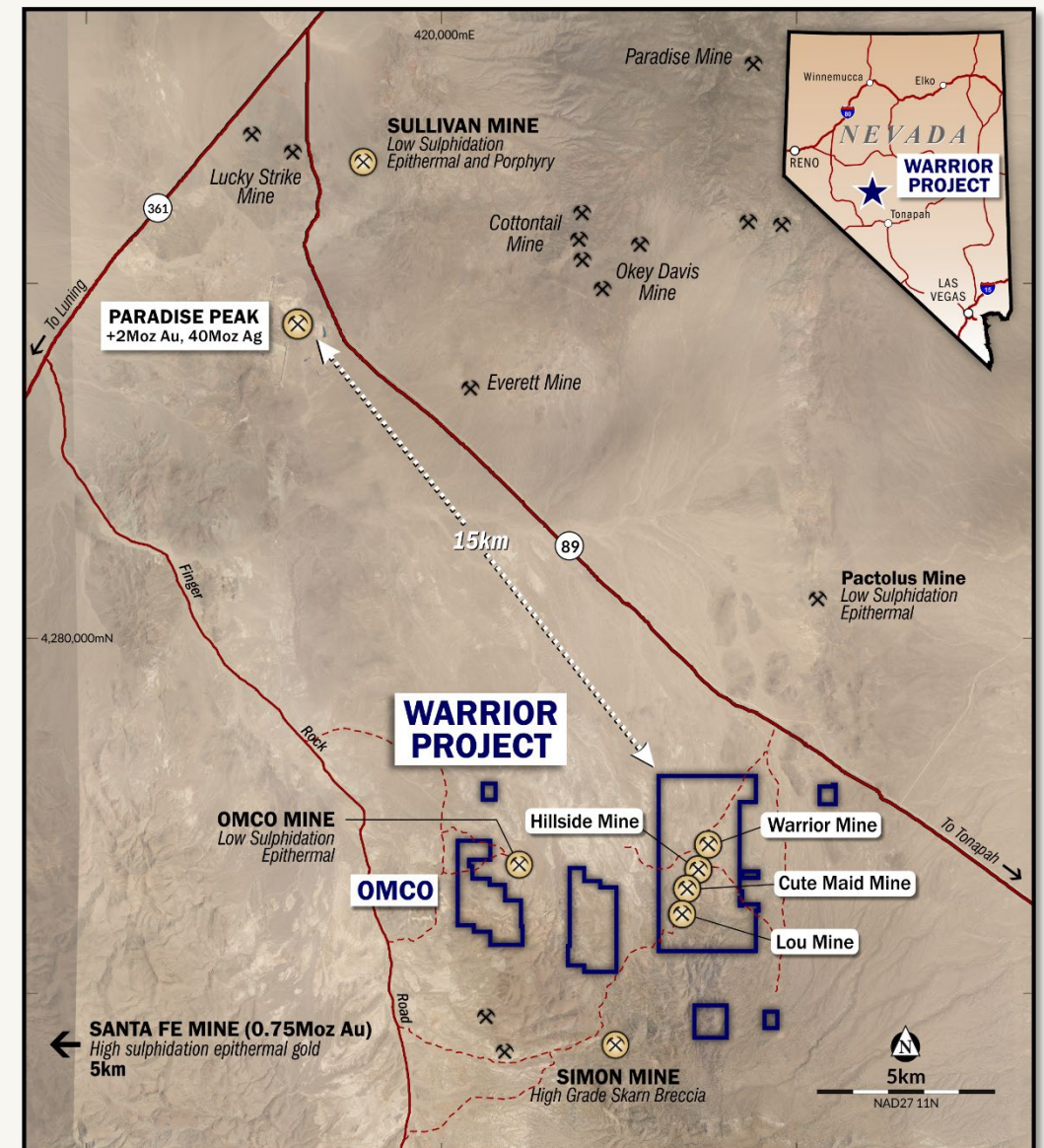
Drilling conducted in December 2023 to follow up exciting large new mineral system identified in 2022 drilling. Excellent potential for large-scale, high-grade epithermal discovery.

GREAT LOCATION

- 15km SE from the high-grade Paradise Peak High Sulphidation epithermal Au/Ag deposit (**2Moz Au, 40Moz Ag**).
- Simon Mine located 4km SW of the Warrior Mine camp (high grade polymetallic + Ag skarn breccia pipe).
- Warrior is centered on a large northeast orientated mining camp with 4 main historic high-grade mine's, Warrior, Hillside, Cute Maid and Lou.

POTENTIAL FOR RAPID DISCOVERY

- Historic sampling of underground remnant vein material from the Warrior Mine (circa 1920's) returned bonanza grades including composites of; **90m at 52.38g/t Au from Discovery Shaft Level 1.**⁷
- Analogous geologic setting to Hecla's Midas mine (**2Moz Au, 25Moz Ag**) and its recent and exciting nearby high-grade Green Racer Sinter vein discovery.



7. Information on historical sampling - Sierra Nevada Gold Replacement Prospectus - Annexure A. Independent Geological Report pages 71-73.

Warrior Project – Encouraging early drill results

Encouraging early RC drilling:

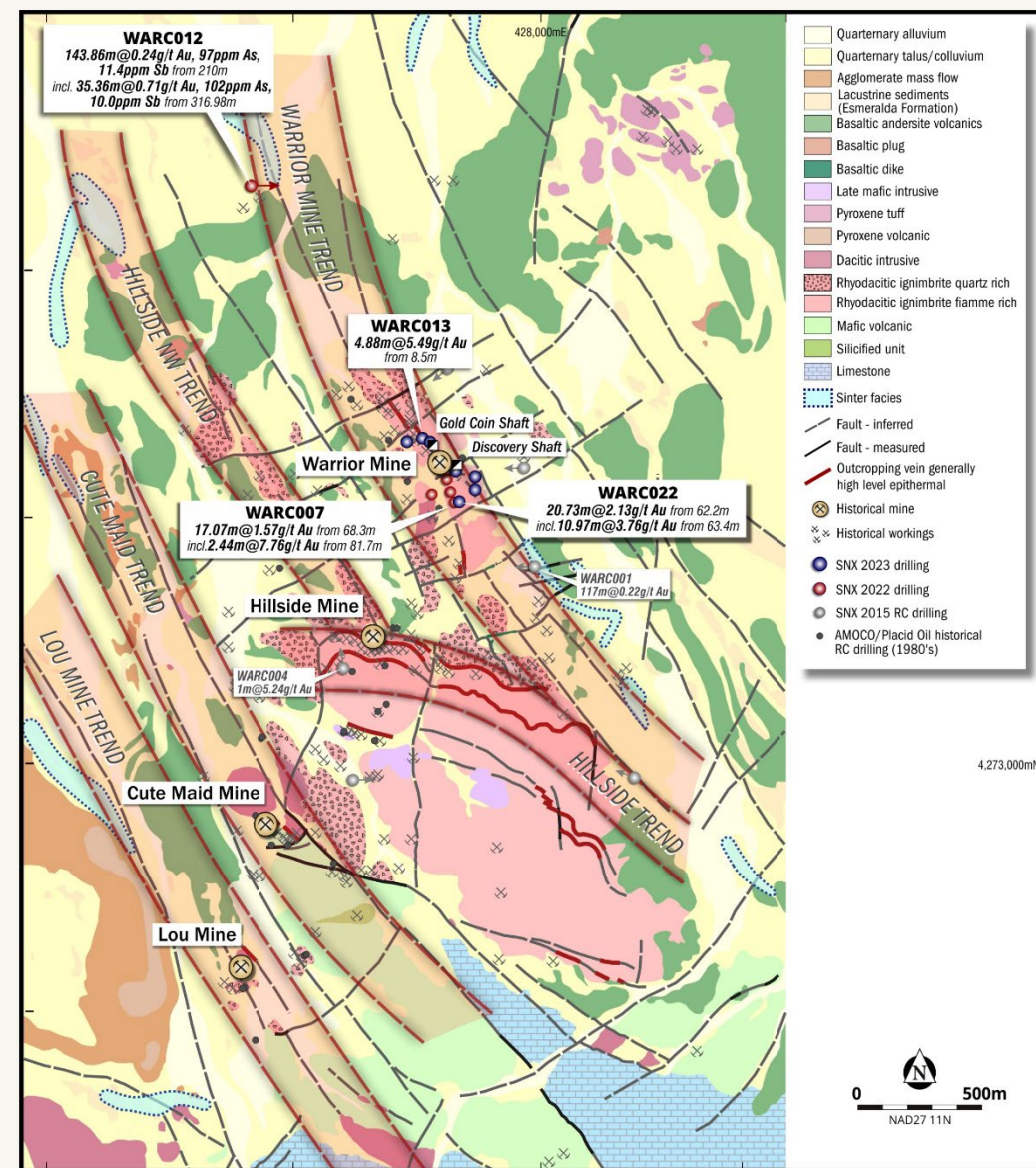
- Hole WARC007 returned **17.07m at 1.57g/t gold** incl. **2.44m at 7.76g/t Au**.⁸
- Hole WARC022 returned **20.73m at 2.13g/t Au** incl. **10.97m at 3.76g/t Au**.⁹
- Scout hole WARC012 returned **143m of highly anomalous gold and silver** (to end of hole) interval includes:
35.36m at 0.71g/t Au including
2.44m at 3.06g/t Au and 4.88m at 2.30g/t Au
Importantly gold grade increases downhole.

DRILLING PLANNED TO RESUME IN 2024

- Further exploration and drilling programs planned on multiple targets in 2024.
- Geochemical sampling and geological mapping completed at the nearby OMCO prospect – several high-grade veins and targets identified, drill ready.

8. ASX Release 28 February 2023 – “SNX confirms large epithermal gold system at Warrior Project, Nevada, USA

9. ASX Release 23 February 2023 – SNX intersects shallow high-grade gold at Warrior Project, Nevada, USA





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New Pass Project



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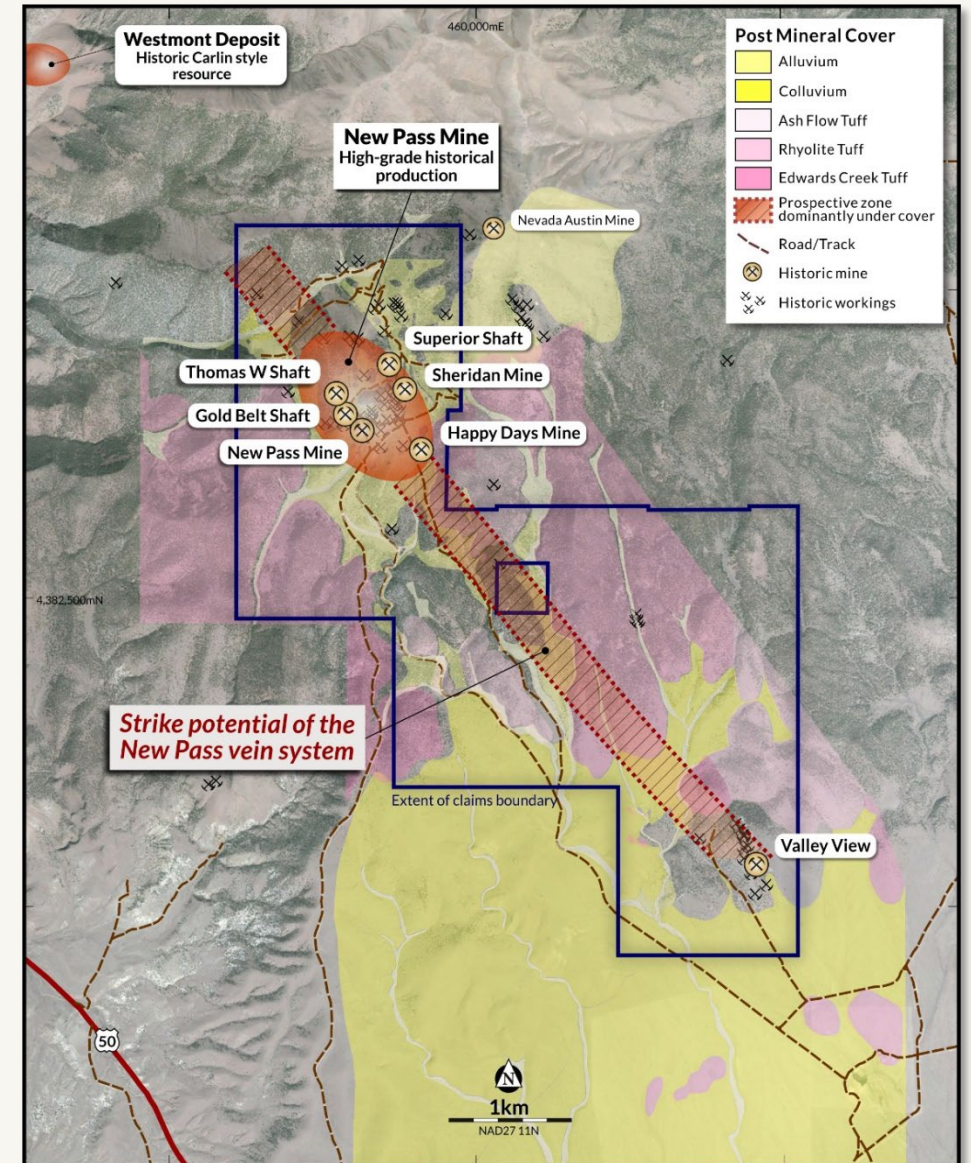
3. New Pass Project – High grade gold

HIGH-GRADE RESULTS FROM INITIAL 2022 DRILLING

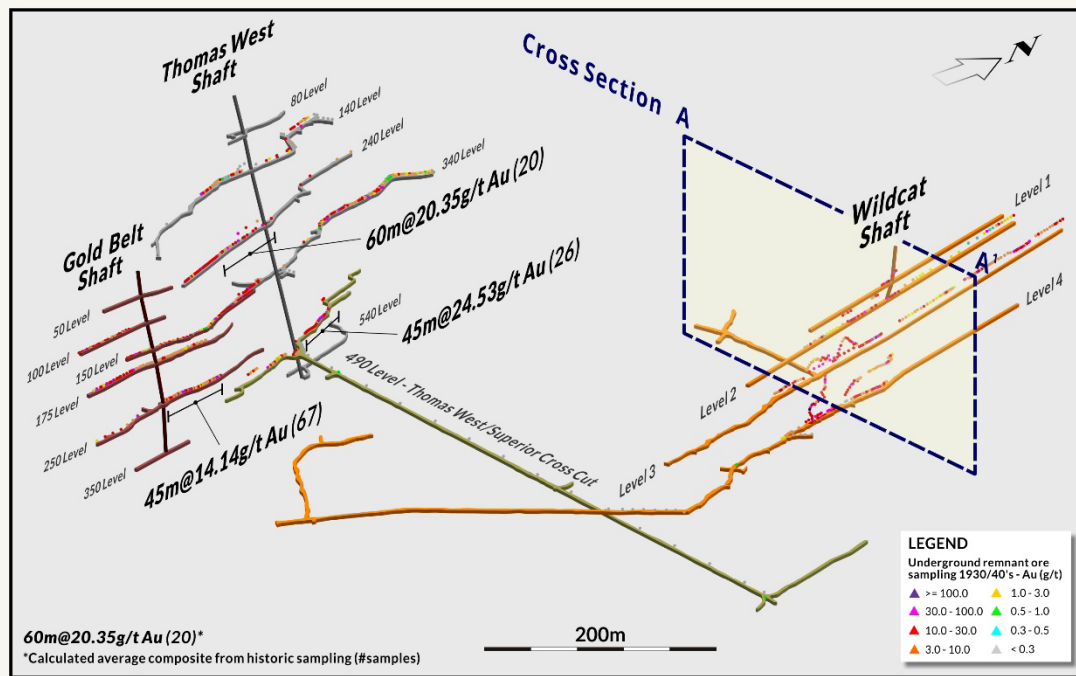
- Maiden drilling program by SNX in 2022 returned high-grade intercept of **1.22m at 26.7g/t Au** on the Superior Vein in hole NP001RC.¹⁰
- High-grade veins mined, open at depth and 4km along strike.¹¹
- Immediate potential for additional discovery.
- Down dip continuity of veins demonstrated by 2022 drilling.
- Large-scale epithermal alteration NW of the New Pass mining centre – high impact targets defined.
- Additional high order sediment hosted gold (Carlin style) targets identified, analogous to Westmont Deposit 2km northwest.

10. Information on the 2022 RC drilling program – ASX Release 13 December 2022 – “SNX hits 26.7g/t gold in maiden drilling at New Pass, Nevada, USA”

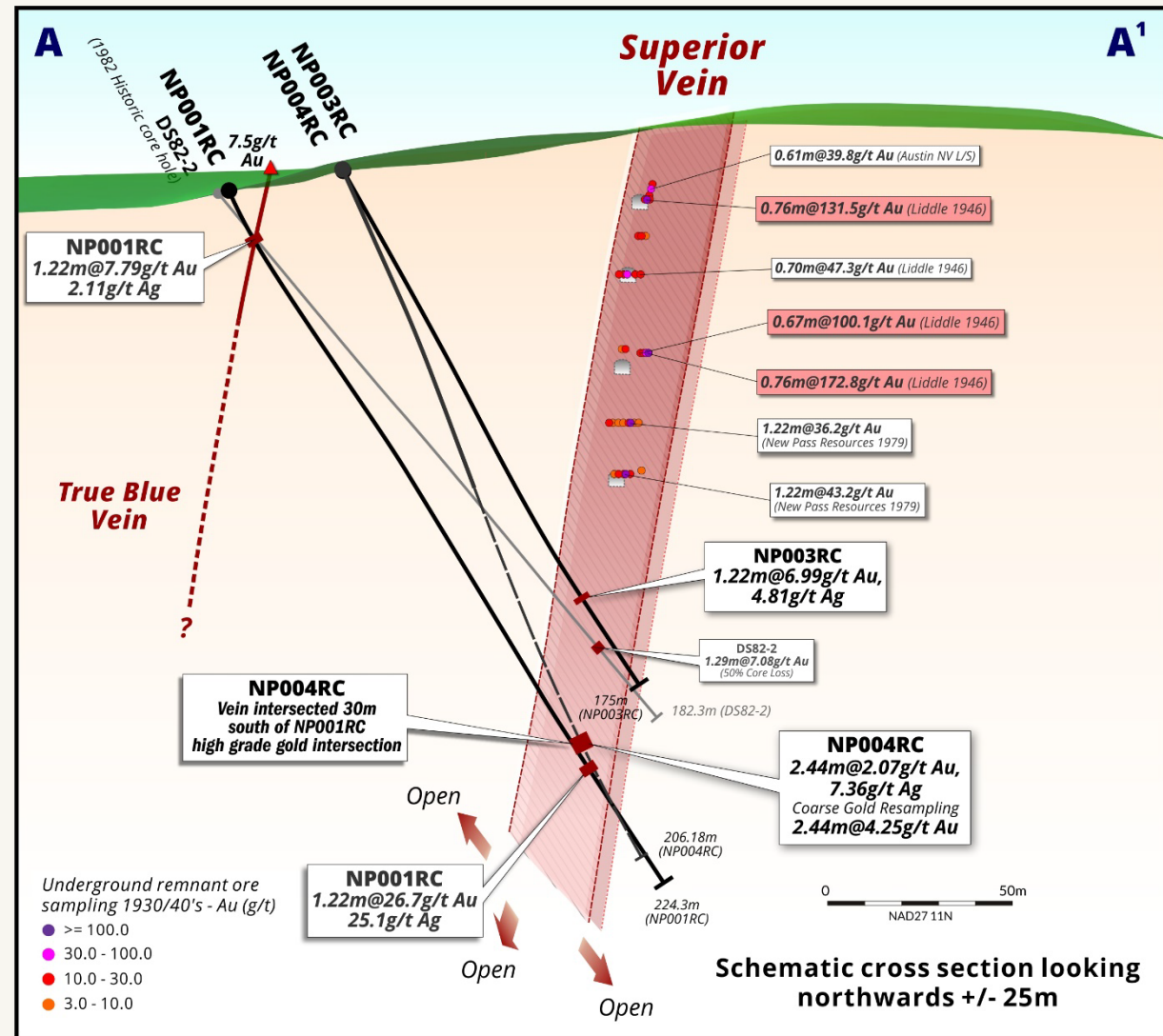
11. Information on historical sampling and production - Sierra Nevada Gold Replacement Prospectus - Annexure A. Independent Geological Report page 91, pages 95-96, pages 98-101.



New Pass Project – High grade gold



- NP001RC returned **1.22m@26.7g/t Au¹²** intersecting the Superior structure 80m down dip below Superior Level 4.
- SNX has completed void and stope mapping utilising drones to assist with any future resource estimations.
- Initial geomechanical assessment of the U/G mines is positive and will allow SNX to begin mapping and sampling.
- Initial U/G sampling and mapping returned positive results.



NEW PASS HAS NOT BEEN DRILLED IN 40 YEARS

¹² Information on the 2022 RC drilling program – ASX Release 13 December 2022 – “SNX hits 26.7g/t gold in maiden drilling at New Pass, Nevada, USA”



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Colorback Project

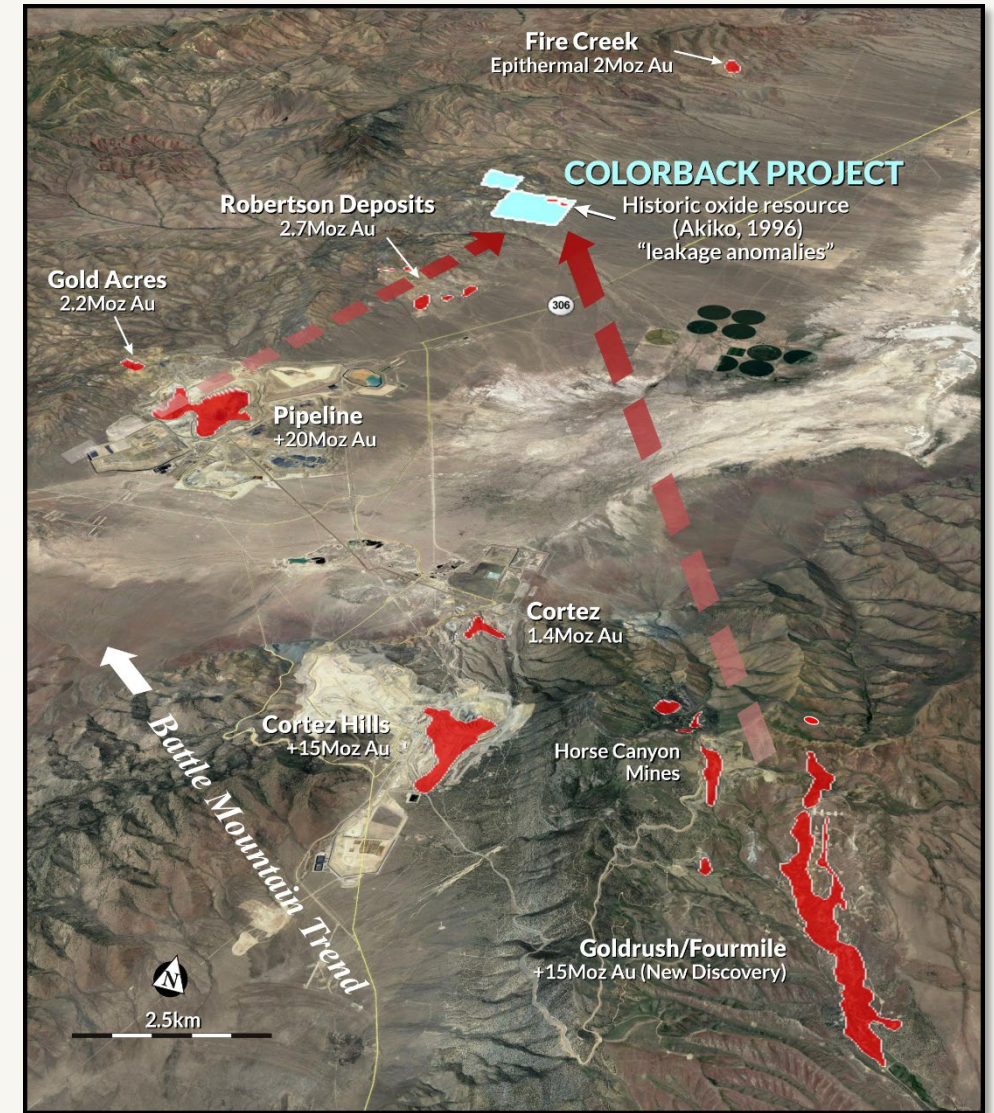


ASX : SNX

4. Colorback Project – Carlin style gold

LOCATED IN THE HEART OF THE PROLIFIC BATTLE MOUNTAIN GOLD TREND (+100Moz Au)

- Close to and on structural trends from the giant Cortez Complex and Pipeline deposits (combined +50Moz).
- Major recent on trend discoveries made – Goldrush and Fourmile +15Moz and growing (Barrick).
- Near surface historic oxide resource (Akiko, 1996) “leakage anomalies” above fertile structures within upper plate rocks drilled – 2 coherent mineralised zones defined.
- 2022 drilling confirms near-surface mineralization – **29.26m at 1.30g/t Au including 7.32m at 3.61g/t Au – “leakage anomaly”**.¹³
- Priority targets analogous to Pipeline and Cortez systems identified.
- Adjacent to world class deposits with strong anomalism and targets defined.



Oblique view looking NW along the Battle Mountain Trend showing the mines and orebodies close to the Colorback Project.¹⁴

13. Information on the 2022 RC drilling program – ASX Release 10 February 2023 – “SNX hits 29.26m at 1.30g/t gold at Colorback, Nevada, USA”

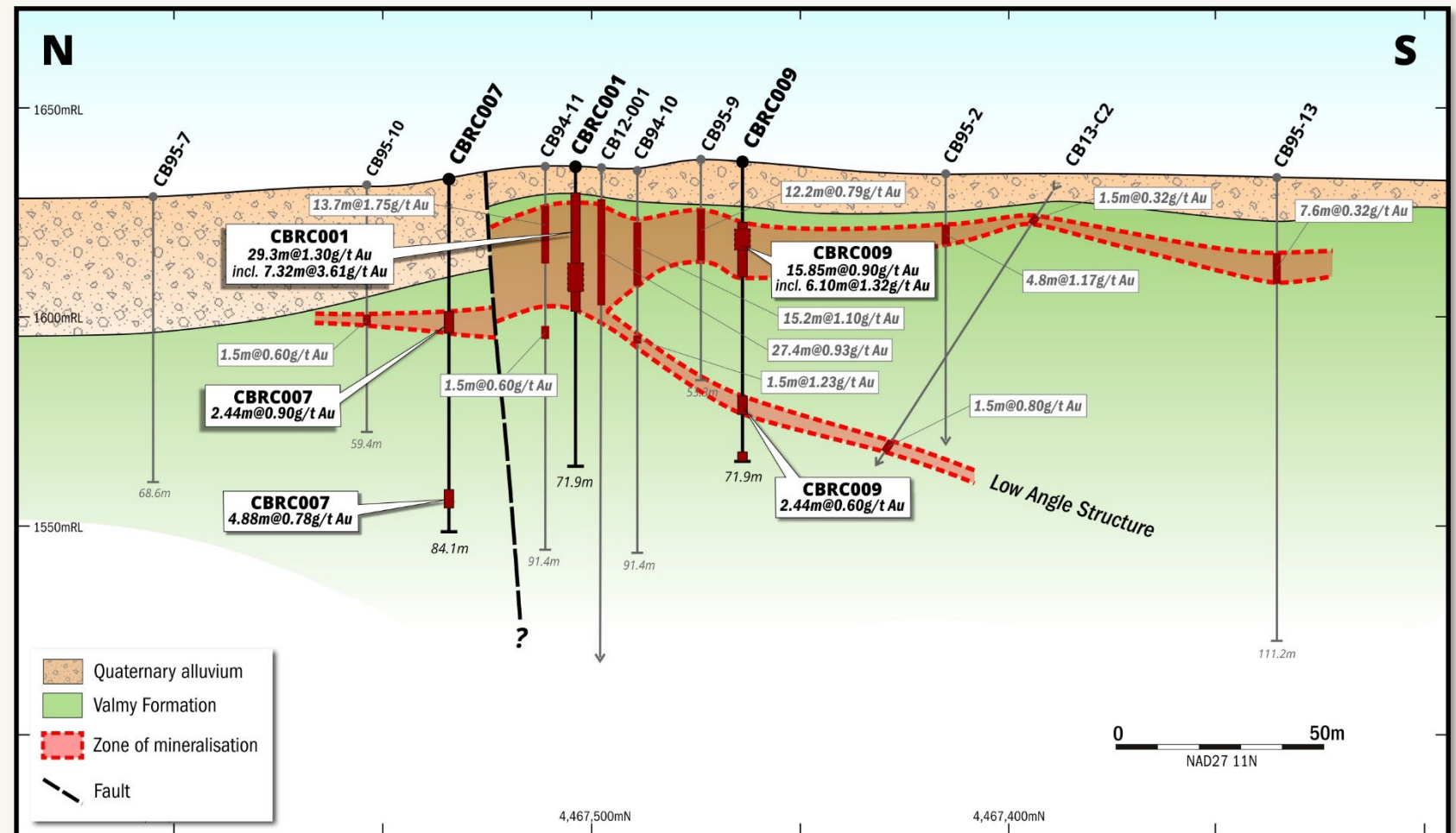
14. Sierra Nevada Gold Replacement Prospectus - Annexure A. Independent Geological Report figure 42, page 78

Colorback – 2022 Drilling confirms “Leakage Anomaly”

Sierra Nevada exploration dataset clearly defines gold carrying structures suitable for controlling the deposition of a major Carlin Style Gold system in this highly endowed environment.

POTENTIAL FOR LARGE-SCALE SYSTEM

- Plans to drill test key structural positions within the lower plate rocks.
- Shallow RC drill testing planned to determine the potential for a near surface resource from the “leakage anomalies” that sit within the intersection of the fertile Pipeline and Cortez structural trends within the upper plate rocks.



Geological cross section 527660mE looking eastwards showing SNX reported holes CBRC001, 007 & 009 (in bold) along with historical drillholes. Section shows continuous horizontal gold enrichment, note the increased thickness and gold grade towards the steep NE orientated structure. (Ref: ASX Release 10 February 2023 – “SNX hits 29.26m at 1.30g/t gold at Colorback, Nevada, USA”).



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Blackhawk Porphyry

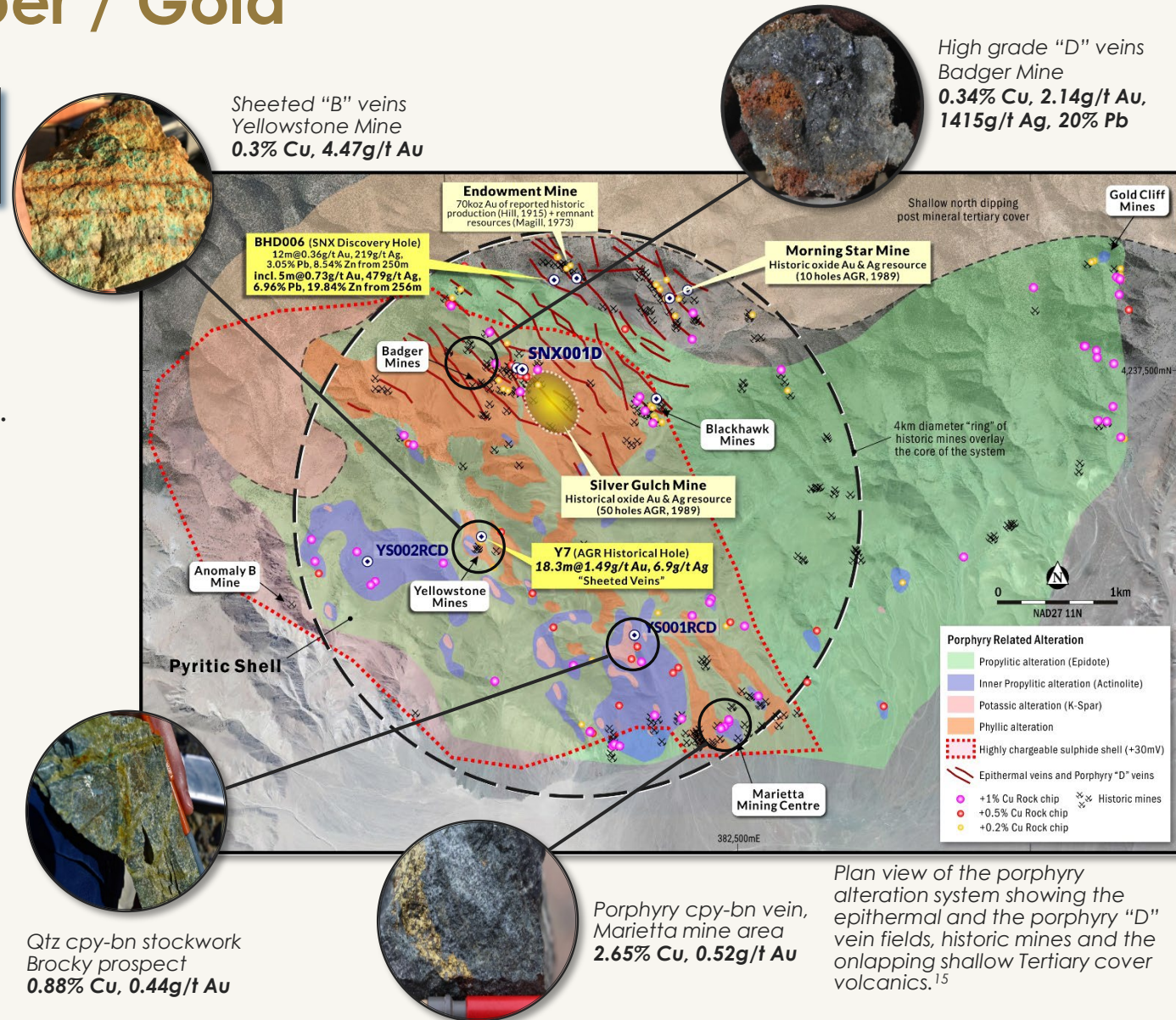
ASX : SNX

5. Blackhawk Porphyry Copper / Gold

TIER 1 SCALE CONCEALED PORPHYRY SYSTEM DISCOVERED IN 2018 BY SIERRA NEVADA GOLD.

- Large mineral system substantiated by a 4km diameter ring of historic mines exploiting porphyry style mineralisation that surround the core of the project.
- Porphyry alteration footprint of +25km² – world class scale.
- Impressive +13km² sulphide alteration zone in the core of the porphyry system – world class scale.
- Geological model proven by initial Sierra Nevada drilling.
- Many high impact targets ready to drill.
- 1198m core hole (SNX001D) drilled 2022, strong alteration with anomalous geochemistry observed.

DISCUSSIONS ONGOING WITH SEVERAL THIRD PARTIES REGARDING A PARTNERSHIP TO ADVANCE EXPLORATION OF THIS LARGE SCALE COPPER-GOLD PROJECT.





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Exploration Generative Program

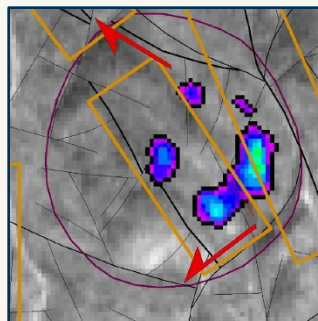
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Generative Program – Our Next Discoveries

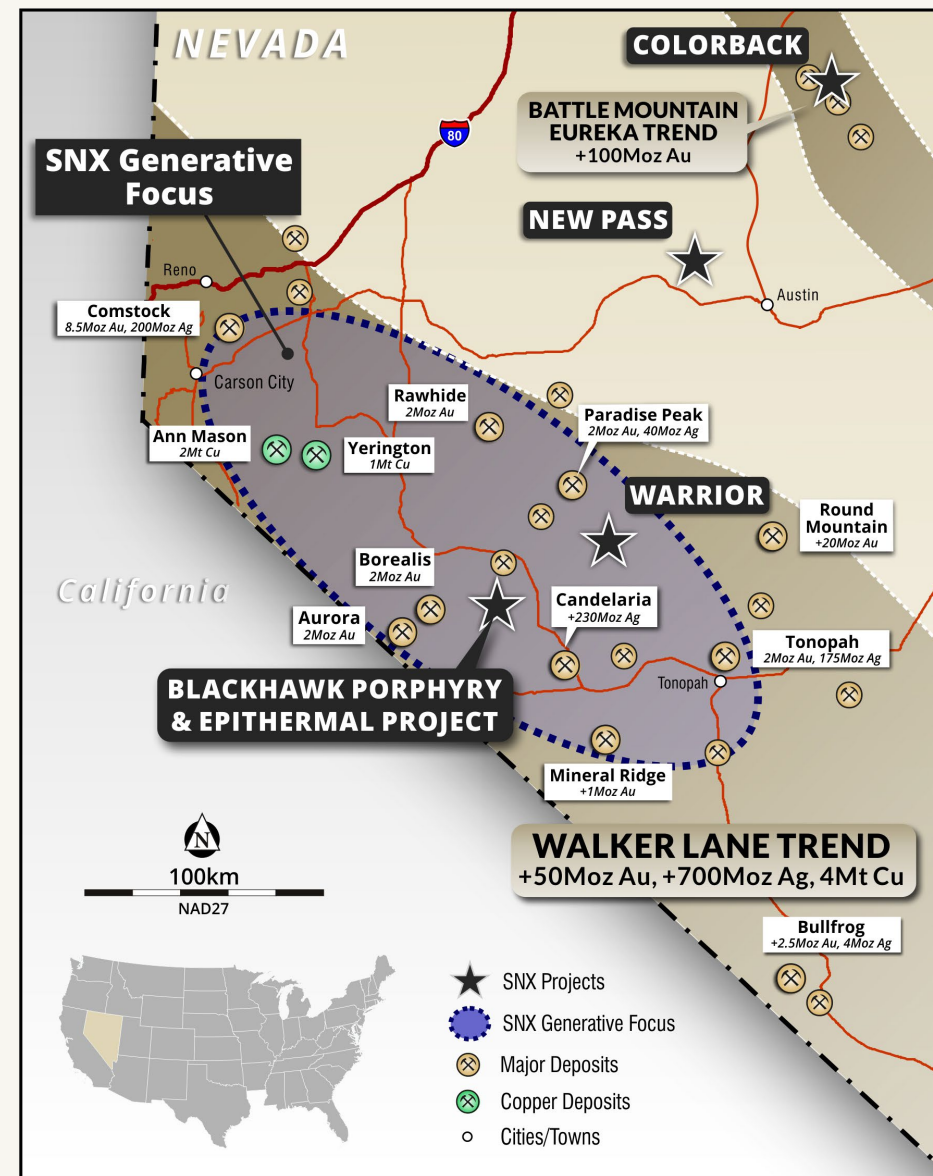
Grassroots generative program initiated by SNX to detect large-scale hydrothermal systems capable of hosting Tier 1 deposits in SW Nevada's underexplored Walker Lane Trend.

- Large geophysical and spectral datasets generated by Sierra Nevada.
- Structural and alteration model developed yielding quality targets.
- Blackhawk projects generated from this propriety data on open ground utilising in-house intellectual property.
- Existing generative data set contains multiple targets:
 - **Priority 1 targets: 34 (27 yet to be assessed).**
 - **Priority 2 targets: 49 (46 to be assessed).**
 - **Priority 3 targets: 41 (41 to be assessed).**
- Exploring the highly prospective Walker Lane Trend.

ACTIVE TARGET GENERATION



Structural and Alteration Synthesis of a high priority target showing structural kinematic relationships relative to structure and alteration.



Exploration Pipeline and Target Hierarchy

1. ADVANCED EXPLORATION

- High level of geological confidence. Significant exploration data gathered. Drill ready or follow-up drilling targets.

► **23 high impact drill-ready targets**

2. EARLY-STAGE EXPLORATION

- Moderate to high level of geological confidence. Some exploration data yet to be gathered prior to drilling decision.

► **21 advanced exploration targets**

3. PROSPECTING GRASSROOTS

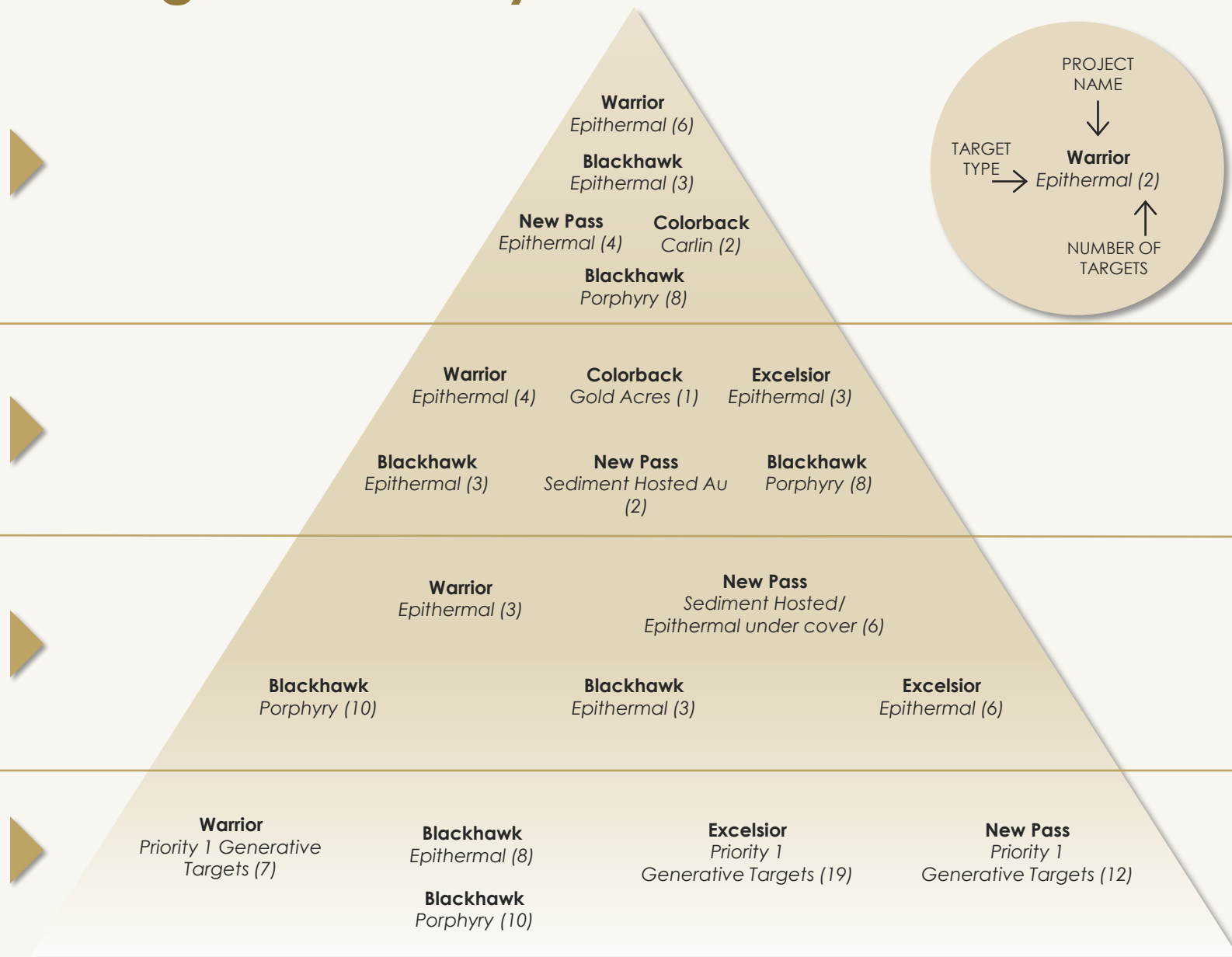
- Promising targets displaying key characteristics of a potential mineralised system. Gathering further data to support or eject from pipeline.

► **28 quality prospects and targets**

4. GENERATIVE/CONCEPTUAL

- Prospects/targets that require further evaluation and data to confirm credentials.

► **46 priority-1 prospects**



Sierra Nevada Gold – KEY TAKEAWAYS

**LOCATED IN “ELEPHANT COUNTRY” NEVADA
- A TIER 1 MINING JURISDICTION.**

**LARGE SCALE EPITHERMAL GOLD SYSTEMS
IDENTIFIED AT WARRIOR.**

**EXPERIENCED TEAM WITH DISCOVERY
TRACK RECORD.**

**DRILLING PROGRAMS SET TO RECOMMENCE
AT WARRIOR.**

**BALANCED PORTFOLIO: 5 QUALITY GOLD,
SILVER AND COPPER EXPLORATION ASSETS
– ALL DRILL READY.**

**WORLD-CLASS SCALE CU/AU PORPHYRY
DISCOVERY POTENTIAL – ADVANCED
DISCUSSIONS WITH POTENTIAL JV PARTNERS.**

PETER MOORE

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