



*A Canadian mineral exploration company
focused on expanding its gold-silver-zinc discovery
at the Buck Project located in central British Columbia*

AUGUST 2022 | [SUNSUMMITMINERALS.COM](https://www.sunsummitminerals.com) | TSX-V: SMN | OTCQB: SMREF

FORWARD LOOKING STATEMENTS



Forward-Looking Information

Statements contained in this presentation that are not historical facts are forward-looking statements, which involve risks, uncertainties and other factors that could cause actual results to differ materially from those expressed or implied by such forward-looking statements. Factors that could cause such differences, without limiting the generality of the following, include: risks inherent in exploration activities; volatility and sensitivity to market prices; volatility and sensitivity to capital market fluctuations; the impact of exploration competition; the ability to raise funds through private or public equity financings; imprecision in resource and reserve estimates; environmental and safety risks including increased regulatory burdens; unexpected geological or hydrological conditions; changes in government regulations and policies, including trade laws and policies; failure to obtain necessary permits and approvals from government authorities; weather and other natural phenomena; and other exploration, development, operating, financial market and regulatory risks. Except as required by applicable securities regulation, Sun Summit Minerals Corp. (SMN) disclaims any intention or obligation to update or revise any forward-looking statement, whether as a result of new information, future events or otherwise.

National Instrument 43-101 Disclosure

This presentation has been approved by Sun Summit's Senior Advisor, Robert D. Willis, P. Eng. a "Qualified Person" as defined in National Instrument 43-101, Standards of Disclosure for Mineral Projects of the Canadian Securities Administrators. Other than the historical information, Mr. Willis has verified the technical information contained in this presentation. This Presentation includes technical information that was generated prior to the introduction of National Instrument 43-101. Details of the sampling methods, handling, and quality control methods used in the generation of this historical technical data are unknown to Sun Summit, and the drill material, assay results, true width of intercepts herein cannot be and have not been verified by the Company's Qualified Person for the purposes of National Instrument 43-101.

Quality Assurance & Quality Control

Sun Summit has implemented a quality assurance and quality control programs to ensure sampling and analysis of all exploration work is conducted in accordance with the best possible practices. All sampling programs are carried out in a careful and diligent manner using scientifically established sampling practices designed and tested to ensure that the results are representative and reliable. Quality control programs appropriate to the type of sample and the mineralization are implemented, including such measures as external blanks, standards and duplicate samples. The security of samples from sample acquisition to analysis is a vital component of the sampling process. Procedures include the use of secure core logging, sampling, storage and preparation facilities as appropriate and the prompt, secure and direct shipping of samples to the laboratories. Appropriate sample security procedures are employed given the geographic and topographic conditions and the logistics created by the site location.

Sun Summit Opportunity



FLAGSHIP PROPERTY – Buck Project

Bulk-tonnage and high-grade gold-silver-zinc



YEAR-ROUND EXPLORATION

Access to property year round



EXCELLENT INFRASTRUCTURE

Direct road access, close to towns



LOW COST OF EXPLORATION

Easy accessibility leads to low drill costs



UNCONSTRAINED MINERALIZATION

Size and scale potential of mineralized footprint



Buck Location & Infrastructure



Large 33,000 ha / 330 km² property
near Houston, B.C., 100% controlled



Existing infrastructure – major highway, roads,
power, rail nearby



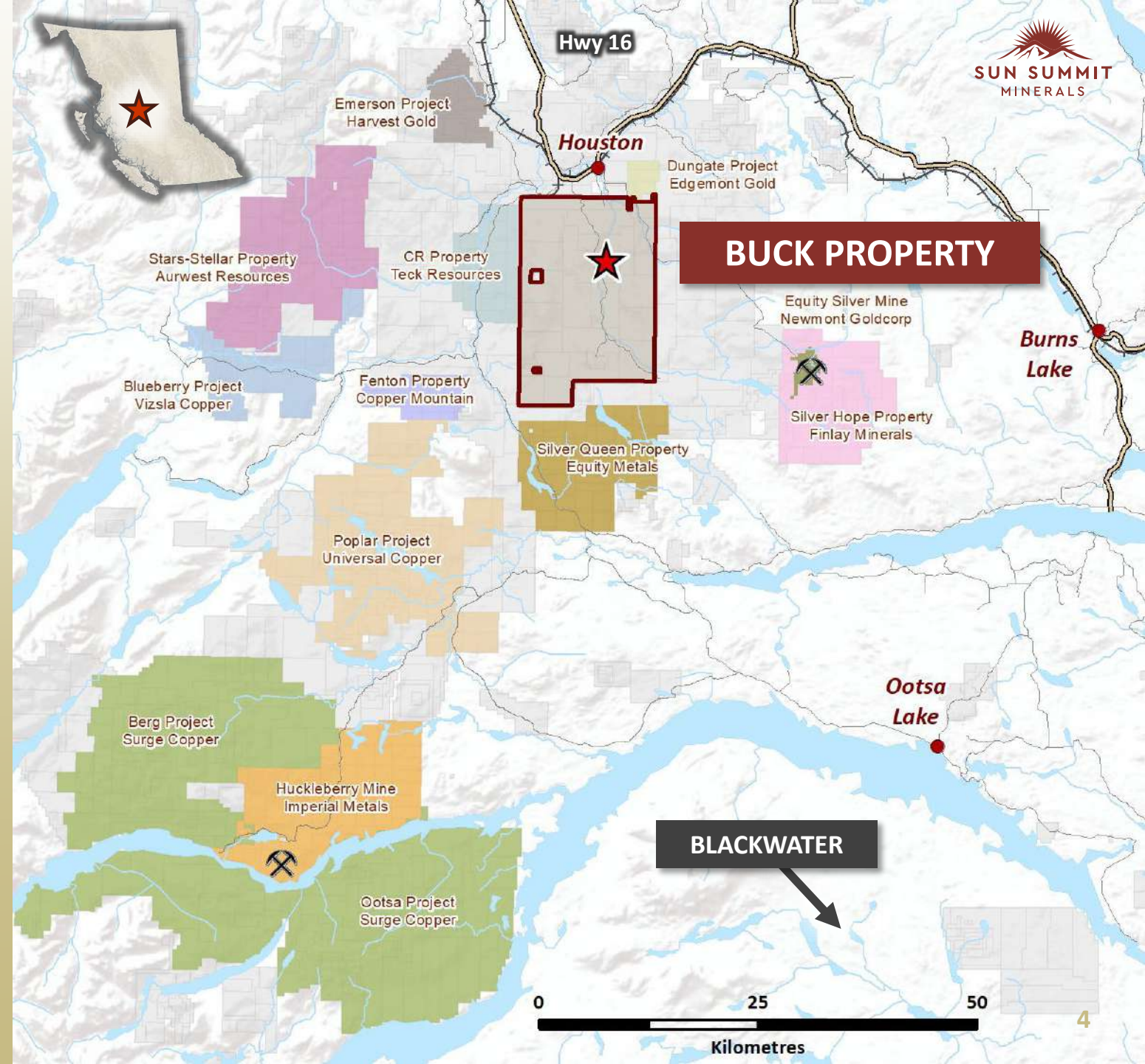
Direct access to target area being explored
through forestry roads and trails



Year-round exploration access; **low drilling costs**



Active exploration area, close proximity to
formerly producing mines



Buck Main Target

Significant Mineralization

Mineralization styles at Buck Main:

1. Bulk tonnage disseminated mineralization
2. High-grade vein-hosted mineralization
3. Hydrothermal "mosaic breccia"

Long intercepts of continuous bulk tonnage-style mineralization:

- 241 m of 1.25 g/t AuEq (0.69 g/t Au) including 109 m of 1.56 g/t AuEq (1.07 g/t Au) (BK21-017)
- 409 m of 0.87 g/t AuEq (0.45 g/t Au) including 265 m of 1.10 g/t AuEq (0.58 g/t Au) (BK21-033)
- 175 m of 1.04 g/t AuEq (0.68 g/t Au) including 54 m of 1.75 g/t AuEq (1.16 g/t Au) (BK21-038)

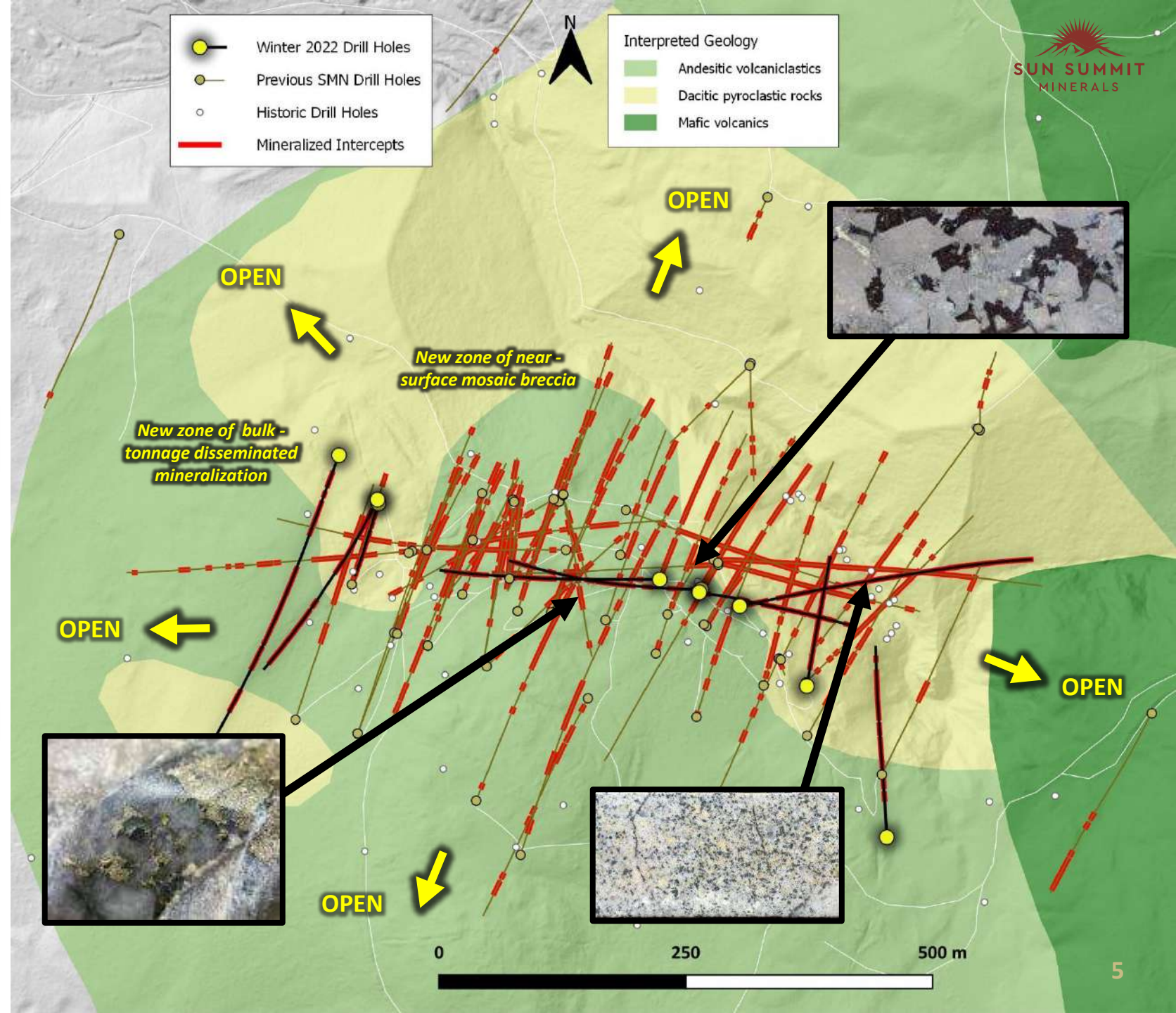
Significant high-grade mineralization:

- 49.8 g/t AuEq (49.6 g/t Au) over 1.5 m (BK20-012)
- 246.9 g/t AuEq (246 g/t Au) over 0.5 m (BK21-020)

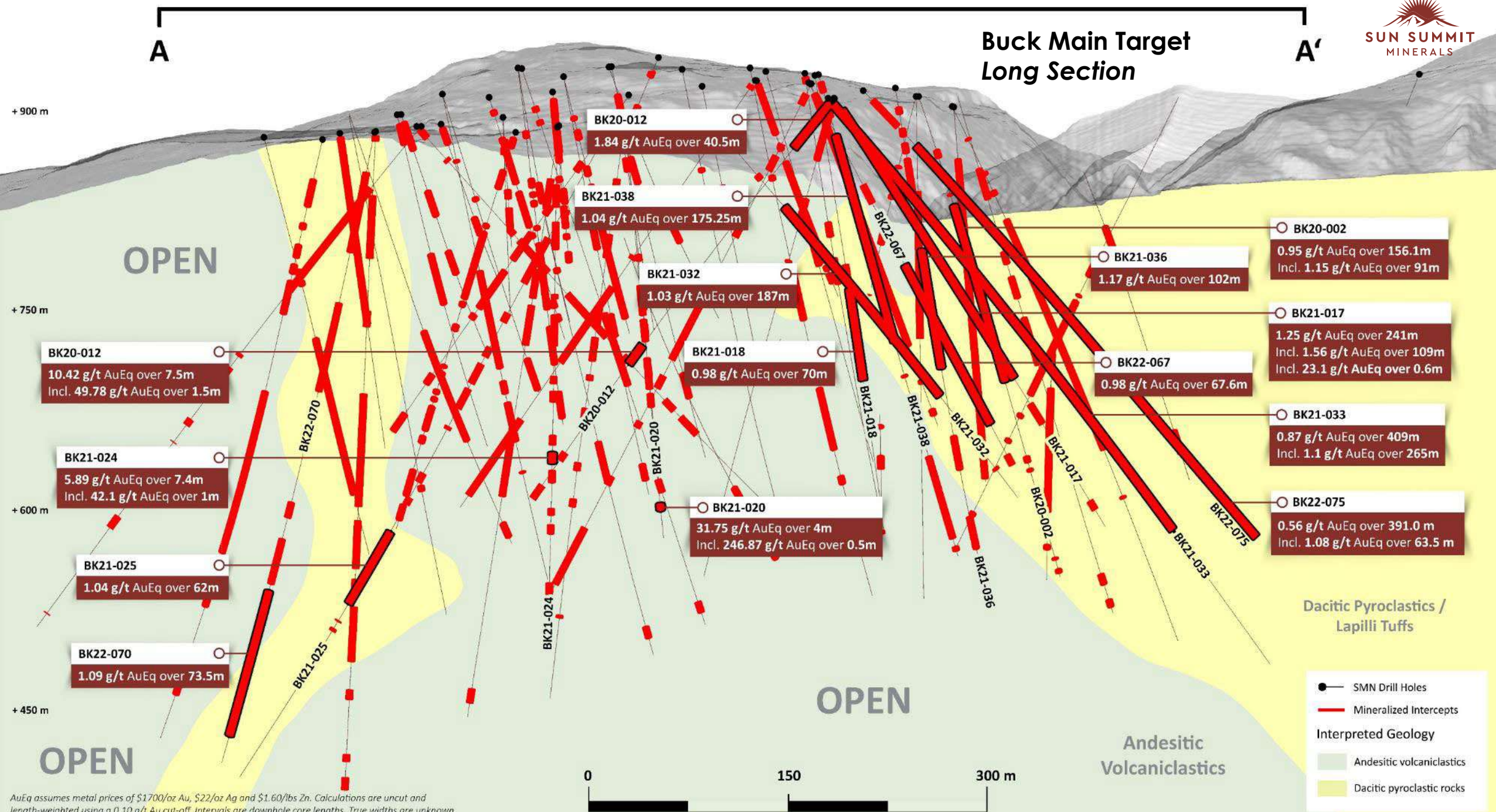
Comparison: Artemis Gold's Blackwater deposit
8.0 Moz @ 0.75 g/t Au (P&P Reserves)¹

1. Mineral Reserve Statement, www.artemisgoldinc.com, sedar.com

AuEq assumes metal prices of \$1700/oz Au, \$22/oz Ag and \$1.60/lbs Zn
 Calculations are uncut and length-weighted using a 0.10 g/t Au cutoff.
 Intervals are downhole core lengths. True widths are unknown.



Buck Main Target Long Section



AuEq assumes metal prices of \$1700/oz Au, \$22/oz Ag and \$1.60/lbs Zn. Calculations are uncut and length-weighted using a 0.10 g/t Au cut-off. Intervals are downhole core lengths. True widths are unknown.

Buck Main Target Progression Over Time

~400% expansion of mineralized envelope over 2.5 yrs

Based on Sun Summit's drill programs



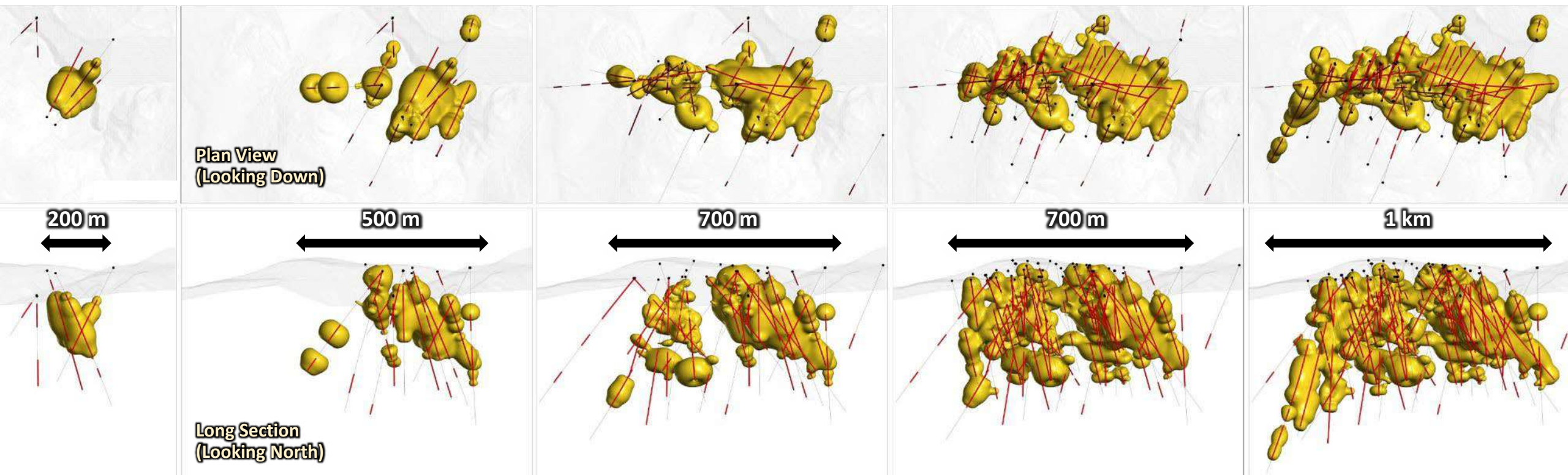
PHASE 1

PHASE 2

PHASE 3

PHASE 4

PHASE 5



Spring 2020;
5 DDHs; 1,806 m
Total Drilling

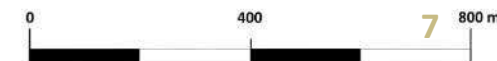
Fall 2020;
17 DDHs; 6,306 m
Total Drilling

Spring 2021;
34 DDHs; 13,173 m
Total Drilling

Fall 2021;
66 DDHs; 23,500 m
Total Drilling

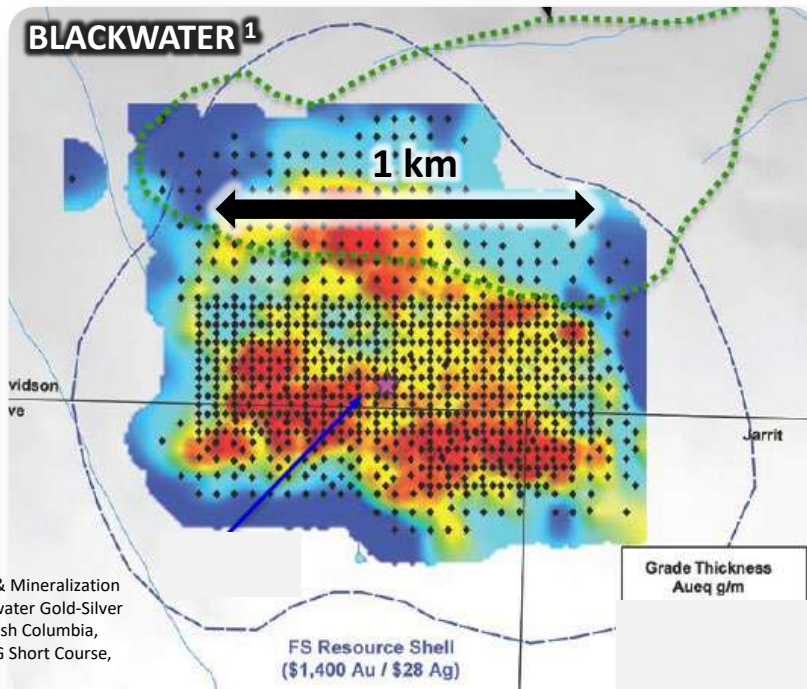
Spring 2022;
75 DDHs; 27,538 m
Total Drilling

Mineralized Envelope
Greater than 0.2 g/t AuEq

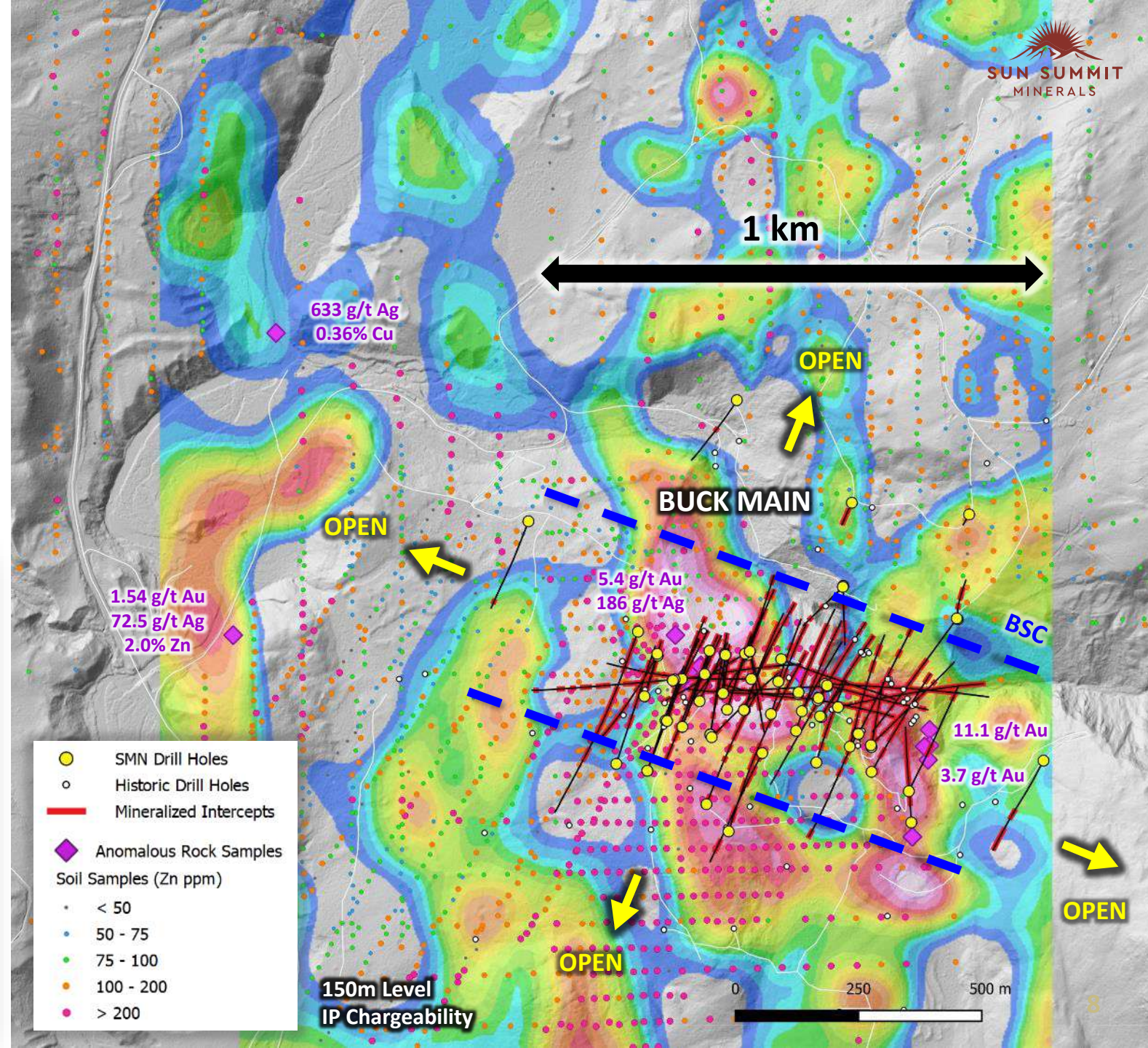


Buck Main Target Size & Scale

- **Unconstrained epithermal-related mineralized system**, lots of room to grow
- **75 drill holes over 27,500 m** have been completed since the project was optioned in 2019
- Currently **planning follow-up drill program**
- Numerous geochemical and IP targets surrounding Buck Main area; **potential for large system**

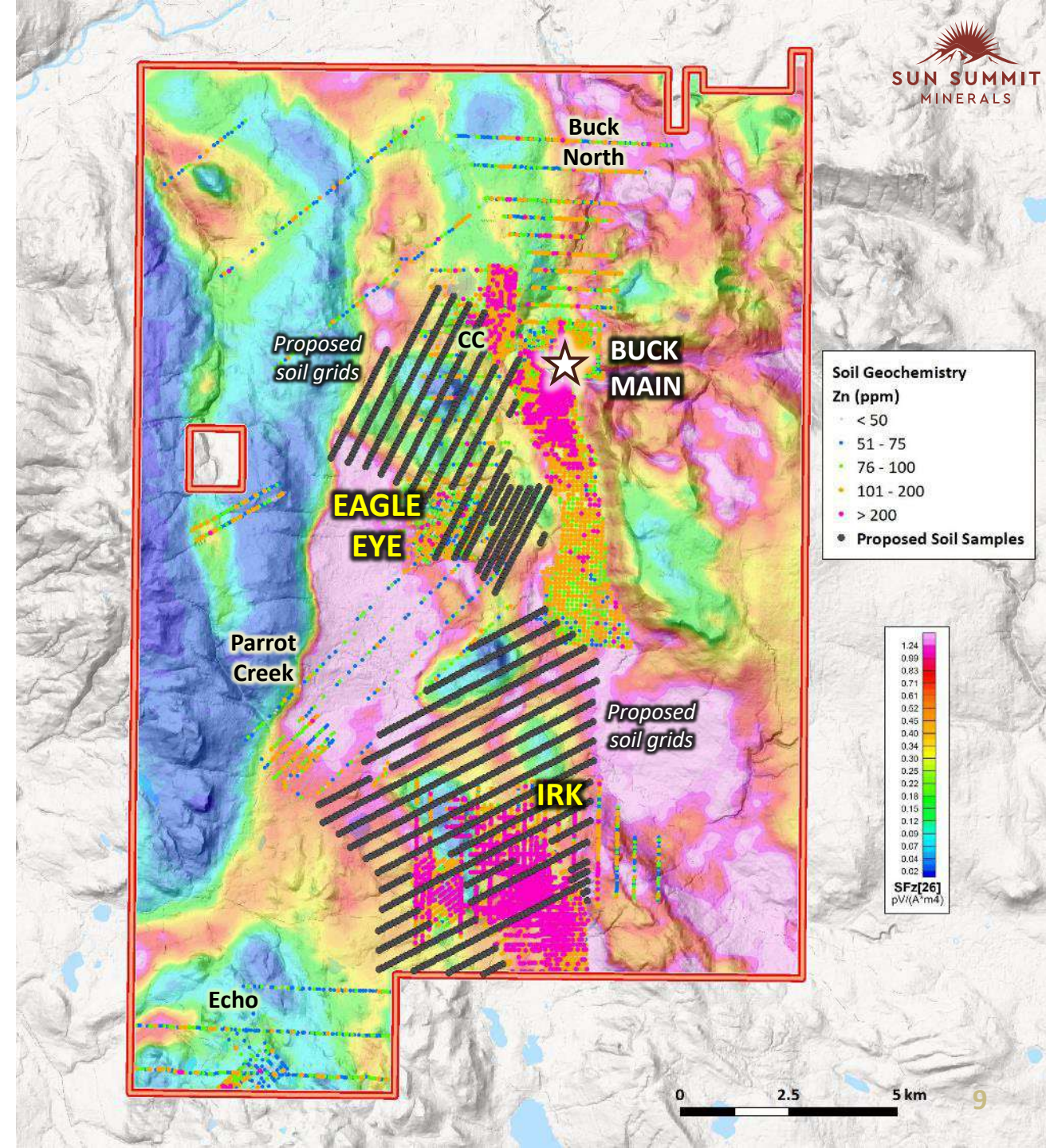


(1) Geology & Mineralization of the Blackwater Gold-Silver Deposit, British Columbia, Canada (MEG Short Course, 2015)



Additional Targets Exploration Upside

- **Prospectivity assessment has outlined several target areas:** Results from recently completed VTEM geophysics and reinterpreted geophysical, geochemical, and geological data, have outlined several areas considered prospective.
- **Property-wide exploration program underway:** Crews have started collecting samples along strategically placed grids across key target areas; **IRK and Eagle Eye**
- **Potential for new discoveries outside Buck Main:** Results of the field exploration program will provide critical insight into the prospectivity of the underlying bedrock and help delineate high-priority drill targets elsewhere on the property.



Sun Summit

Investment Highlights



Value Proposition



**Mining-friendly
Jurisdiction**



**Year-Round
Exploration Access**



**Existing
Infrastructure**



**Well
Financed**



**Experienced
Management**

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Upcoming Catalysts

Drilling to commence in September; step-out drilling at Buck Main with the goal to expand near-surface zones of mineralization, as well as potential for additional drill targets elsewhere on property

Property-wide exploration program underway; Several high-priority targets identified through prospectivity assessment are being tested through geochemical surveying and could lead the definition of new drill targets

Metallurgical testwork underway; examining metallurgic properties of gold, silver, and zinc

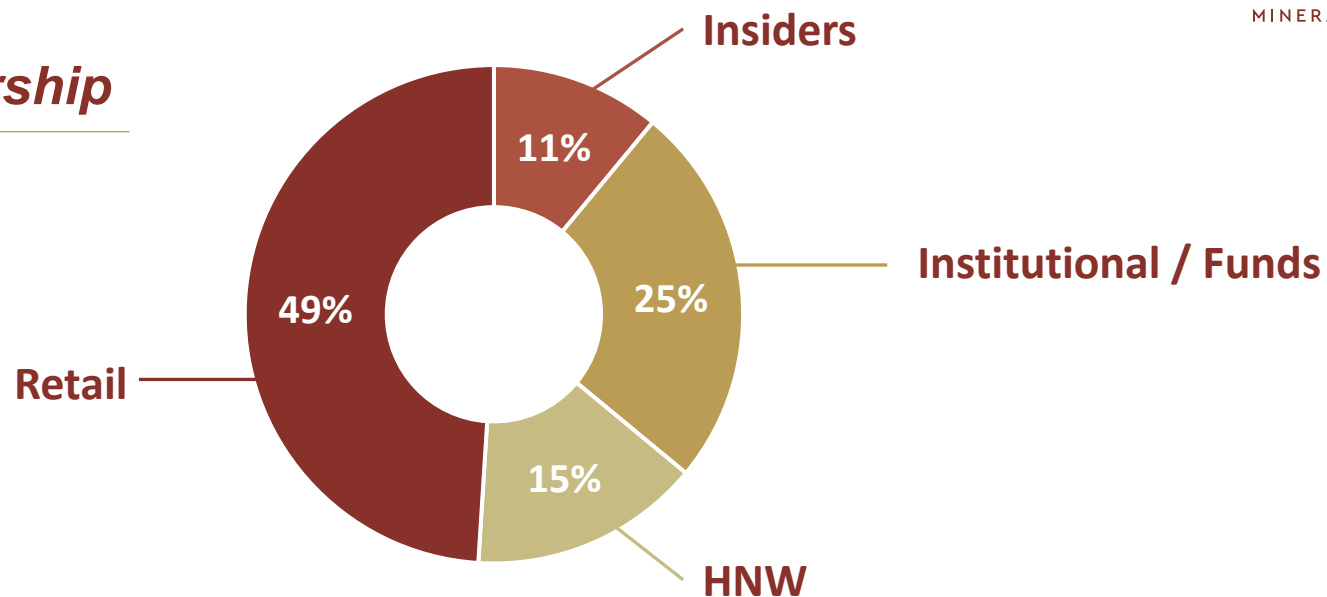
Sun Summit Share Structure

Outstanding Shares	76,740,213
Warrants	14,771,763
Options	6,495,000
Fully Diluted	98,006,976
52 week high/low	\$0.73/\$0.16
Market Capitalization	~\$13 Million
Working Capital	~\$4.8 Million

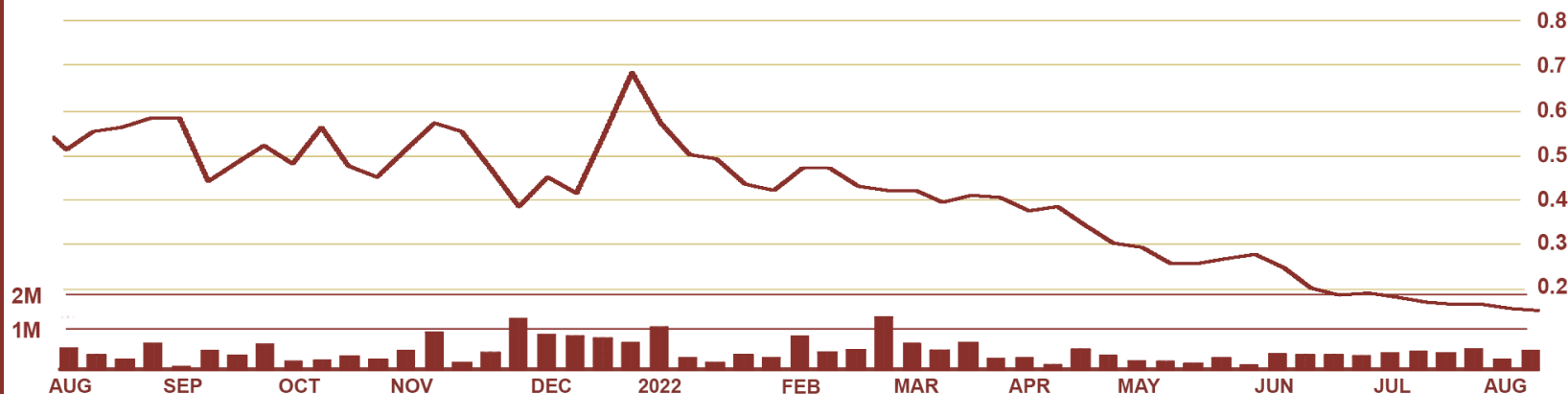
Share structure as of July 23, 2022

~1M warrants expiring November 21, 2022 (\$0.25)

Ownership



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Sun Summit Management & Advisors

Proven Track Record
in shareholder wealth creation

Over 100 Years
collective mining experience

A Modern Approach
to mineral discovery through innovative exploration methods

Directors

R. Stuart (Tookie) Angus | *Chairman and Director*

Over 40 years of experience. Directly involved in numerous successful M&A transactions. Current Chair of K92 Mining. Former head of Global Mining Group at Fasken Martineau. Former director of First Quantum Minerals, Canico Resources, Bema Gold, Ventana Gold, Plutonic Power Corporation, and Nevsun Resources.

Andrew Carstensen, P.Geo. | *Director*

Vice President Exploration at Luminex Resources and Chief Geologist for Lumina Gold.

Craig B. Prenter, CGA, CPA | *Director*

Partner at Manning Elliott LLP, Accountants and Business Advisors.

Brian Lock | *Director*

Director of Castle Peak Mining and CEO and Director of Scorpio Gold.

Purni Parikh | *Director*

President of the Augusta Group of Companies, Senior Vice President, Corporate Affairs of Solaris Resources Inc. and Augusta Gold Corp.

Management

Sharyn Alexander, M.Sc. | *President*

Geologist with 20 years of experience. Project management, business development, strategic planning, relationship building, social responsibility, investor relations, and marketing. Prior positions at B2Gold, Barrick Gold (Australia), and SRK Consulting.

Robert D. Willis, B.Sc., P.Eng. | *Senior Advisor*

Geological engineer with over 35 years of experience. Managed the development of projects through discovery, expansion, development and production. Founder of Geologix Resources, Manhattan Minerals and Pioneer Metals.

Christopher Leslie, Ph.D., M.Sc., P.Geo. | *Geological Consultant, Technical Advisor*

Economic geologist with 15 years of experience in project generation, project evaluation and district-scale targeting in porphyry to epithermal environments. Former Vice President Exploration for Tower Resources Ltd. and Senior Project Geologist for Richfield Ventures (discovered Blackwater Gold Project)

Fernando J. Costa, CPA, CA | *CFO*

Assurance partner of Manning Elliott LLP.

Michael F. Provenzano, LLB | *Corporate Secretary & Legal Counsel*

Founder of Northwest Law Group.



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