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Cooper Campbell
Equity Exploration



SUN SUMMIT
MINERALS

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

MARCH 2023 | [SUNSUMITMINERALS.COM](https://www.sunsumitminerals.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 Vice President Exploration, Ken MacDonald, PGeo. 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. MacDonald 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.

Project Highlights

FLAGSHIP PROPERTY – Buck Project

- Intermediate sulfidation epithermal-related gold-silver-zinc system
- High-grade gold discovery – 49.6 g/t Au over 1.5 metres (BK20-012)
- Bulk tonnage-style mineralization – 1.07 g/t Au over 109 metres (BK21-017)
- Money in the ground – Project investment of ~\$12M since 2019
 - 84 drill holes and ~30,000 metres of drilling
- Geological analog to the Blackwater Gold Project (Artemis Gold)
 - 8moz Au/62moz Ag reserves (2021 Feasibility)

DISTRICT SCALE POTENTIAL

- Unconstrained (open) mineralization at Buck Main
- Large land package, 33,000 hectares, 100% controlled
- Mining friendly jurisdiction, near formerly producing mines

ACCESS TO CAPITAL

- SMN has secured \$15M+ since 2020 to fund exploration of the Buck Project
- 77.5 million shares outstanding, no debt



NEAR TERM CATALYSTS

- Commencement of drilling at two high-priority target areas outside of Buck Main system: IRK and Eagle Eye
- Significant discovery potential across the project: Additional drill target generation across the project
- Strong expansion potential at Buck Main through additional step out drilling
- Steady newsflow from ongoing exploration, drilling and project advancement

Buck Project

District Scale Potential

- Mining-friendly jurisdiction
- Close proximity to formerly producing mines:
 - Equity Silver Mine (Newmont-Goldcorp)
 - Huckleberry Copper Mine (Imperial Metals)

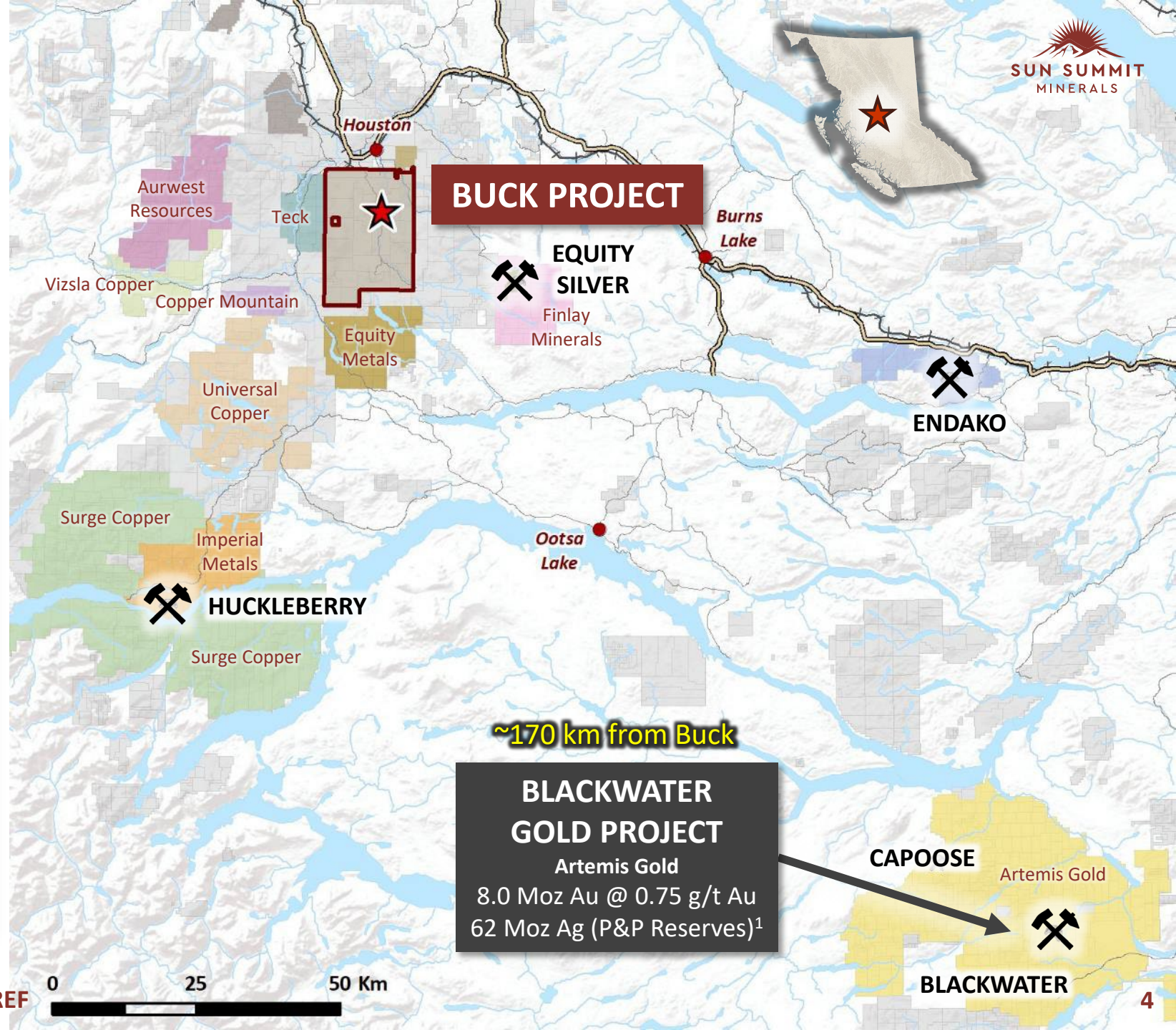
Artemis Gold Inc.

- Purchased Blackwater Gold Project from New Gold for \$140M (August 2020)
- Completed \$176M Silver Stream Agreement with Wheaton Precious Metals (Dec 2021)
- Closed \$175M Equity Financing (Oct 2022)
- \$692M Market Cap

Blackwater Gold Project


- Completion of Feasibility Study (Sept 2021)
- Start of major construction activities (Q1 2023)
- Mine permit anticipated Q1 2023
- First gold pour slated for Q3 2024

1. Mineral Reserve Statement, www.artemisgoldinc.com, sedar.com
 2. ARTG News Release of 2021-09-13




Buck Project

Location & Infrastructure

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

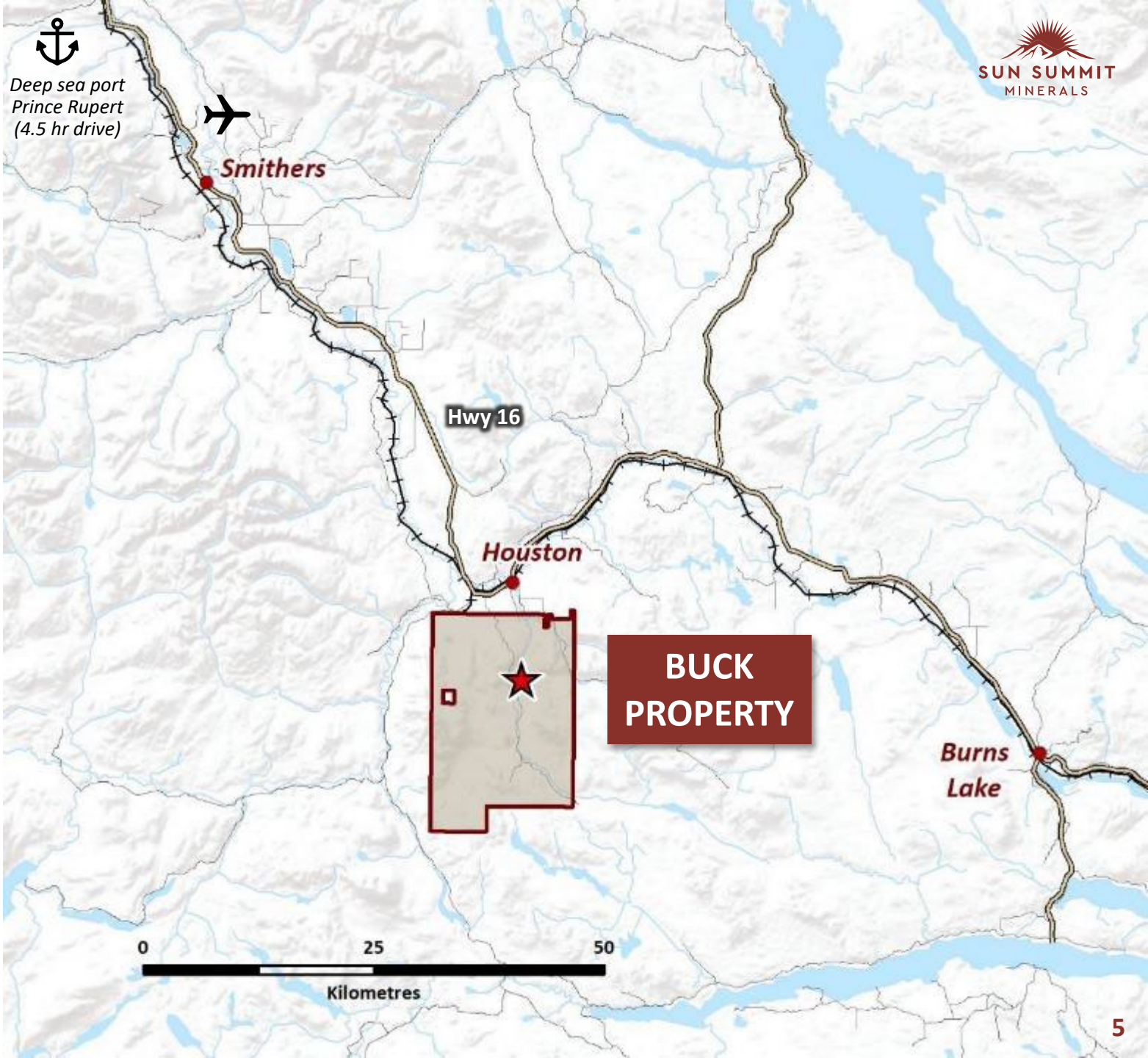
Houston 20 min drive
Smithers 1 hr drive

 **Existing infrastructure**
Major highway, roads, power, rail, gas line

 **Direct access to target area being explored**
Through forestry roads and trails

 **Year-round exploration access**

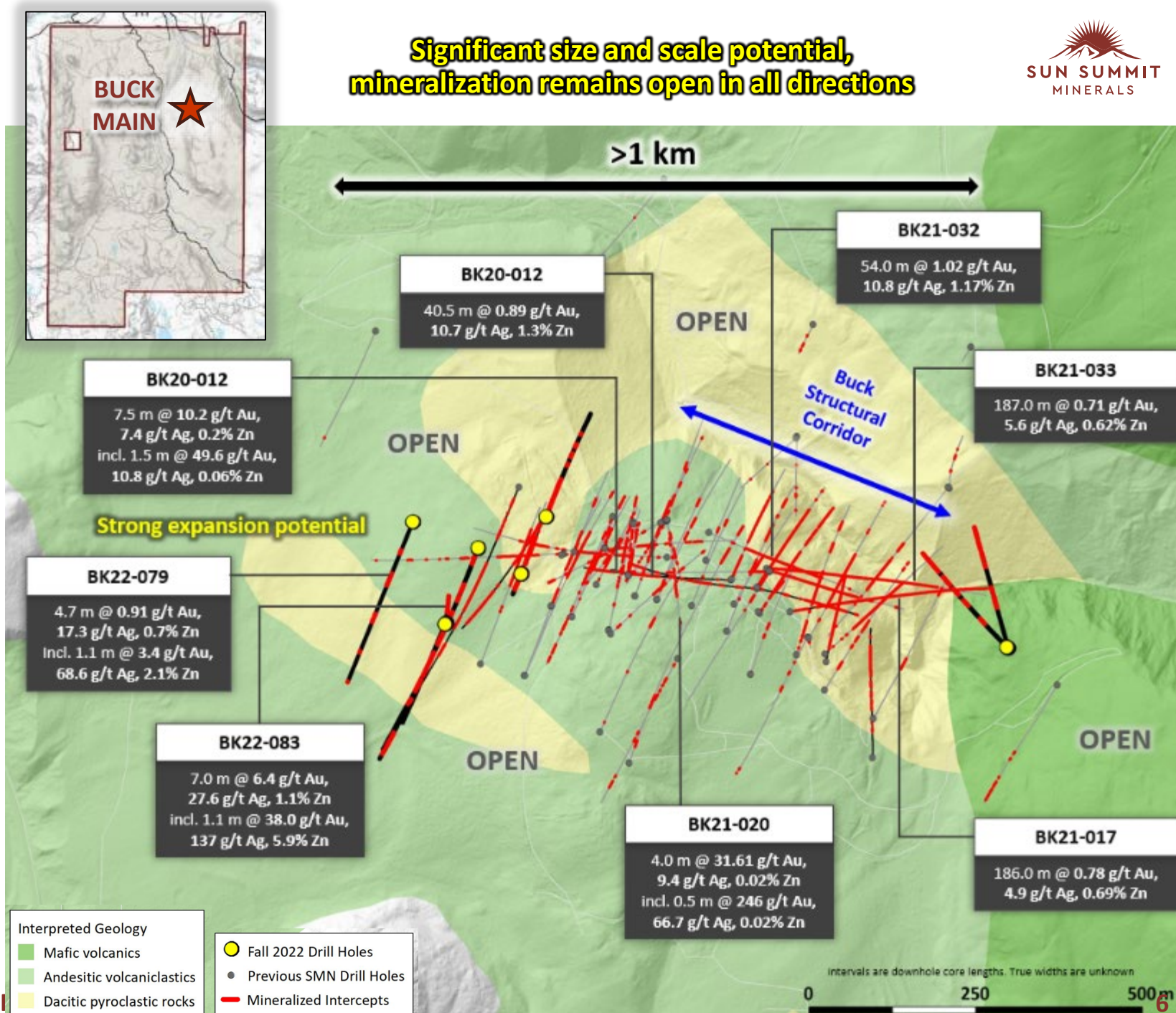
 **Low exploration costs**



Buck Main Target Drill Target Areas

- Recent drill program focused on **expanding the footprint of near-surface bulk tonnage-style mineralization**
- Strong expansion potential to west, north and south**
- Long intercepts of bulk tonnage-style disseminated mineralization:**
 - 0.71 g/t Au, 5.6 g/t Ag, 0.62% Zn over 187 m (BK21-033)**
 - 1.07 g/t Au, 5.5 g/t Ag, 0.65% Zn over 109 m (BK21-017)**
- Significant high-grade mineralization:**
 - 49.6 g/t Au, 10.8 g/t Ag, 0.06% Zn over 1.5 m (BK20-012)**
 - 246 g/t Au, 66.7 g/t Ag, 0.02% Zn over 0.5 m (BK21-020)**
 - 38.0 g/t Au, 137 g/t Ag, 5.9% Zn over 1.1 m (BK22-083)**

Significant size and scale potential, mineralization remains open in all directions



Buck Main Progression

From Spring 2020 to Spring 2022

~400% expansion of mineralized envelope over 2.5 yrs

Based on Sun Summit's drill programs

Currently
modelling Fall
2022 drilling

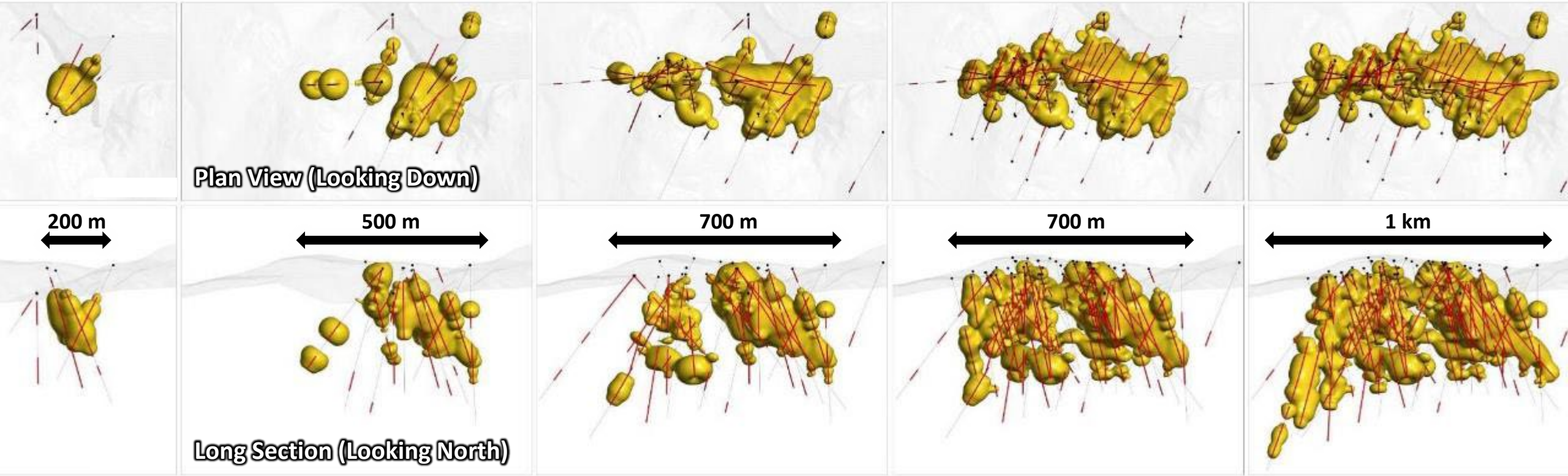
Spring 2020;
5 DDHs; 1,806 m
Total Drilling

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

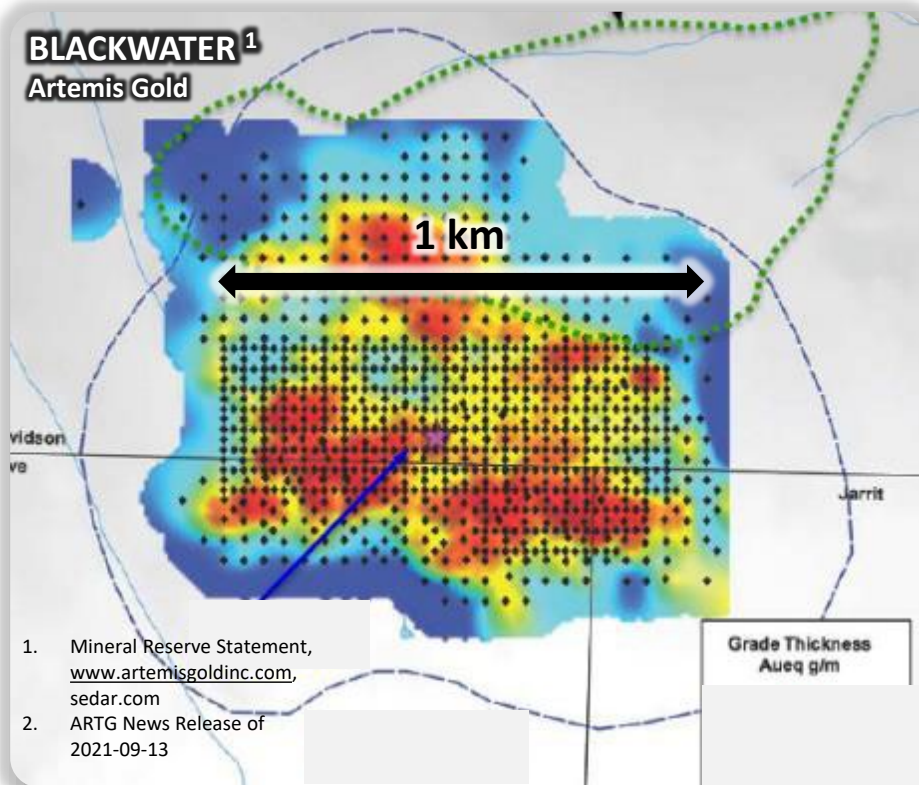


Mineralized Envelope
Greater than 0.2 g/t AuEq

Buck Main Project vs Blackwater Gold Project

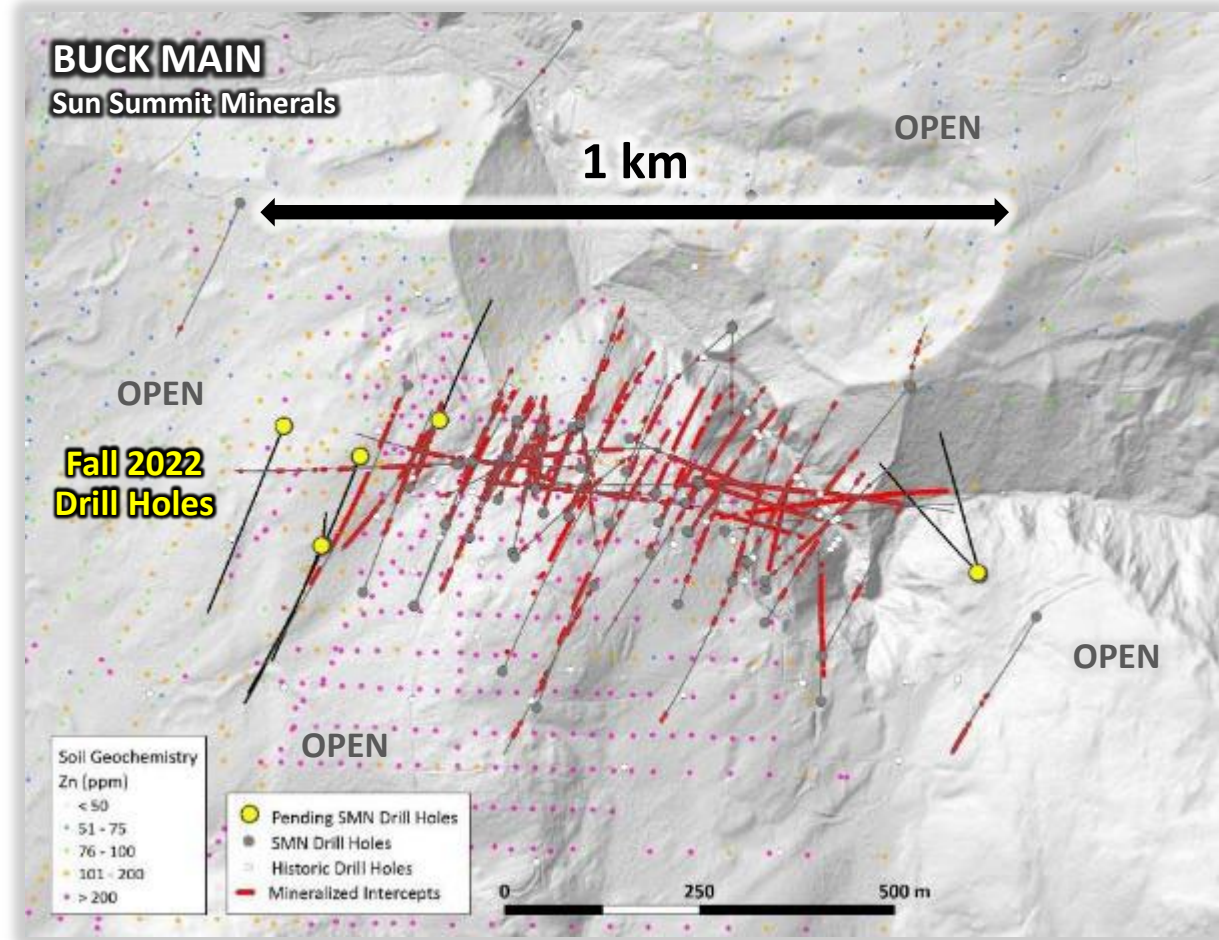
Buck Project – Hosted by **highly prospective geological rock unit** (Kasalka Group volcanics)

Same host rock as Artemis Gold's 8 M oz Blackwater deposit (@ 0.75 g/t Au)¹
(after-tax NPV 5% \$CAD 2.15 billion²)



Similarities between Buck & Blackwater:

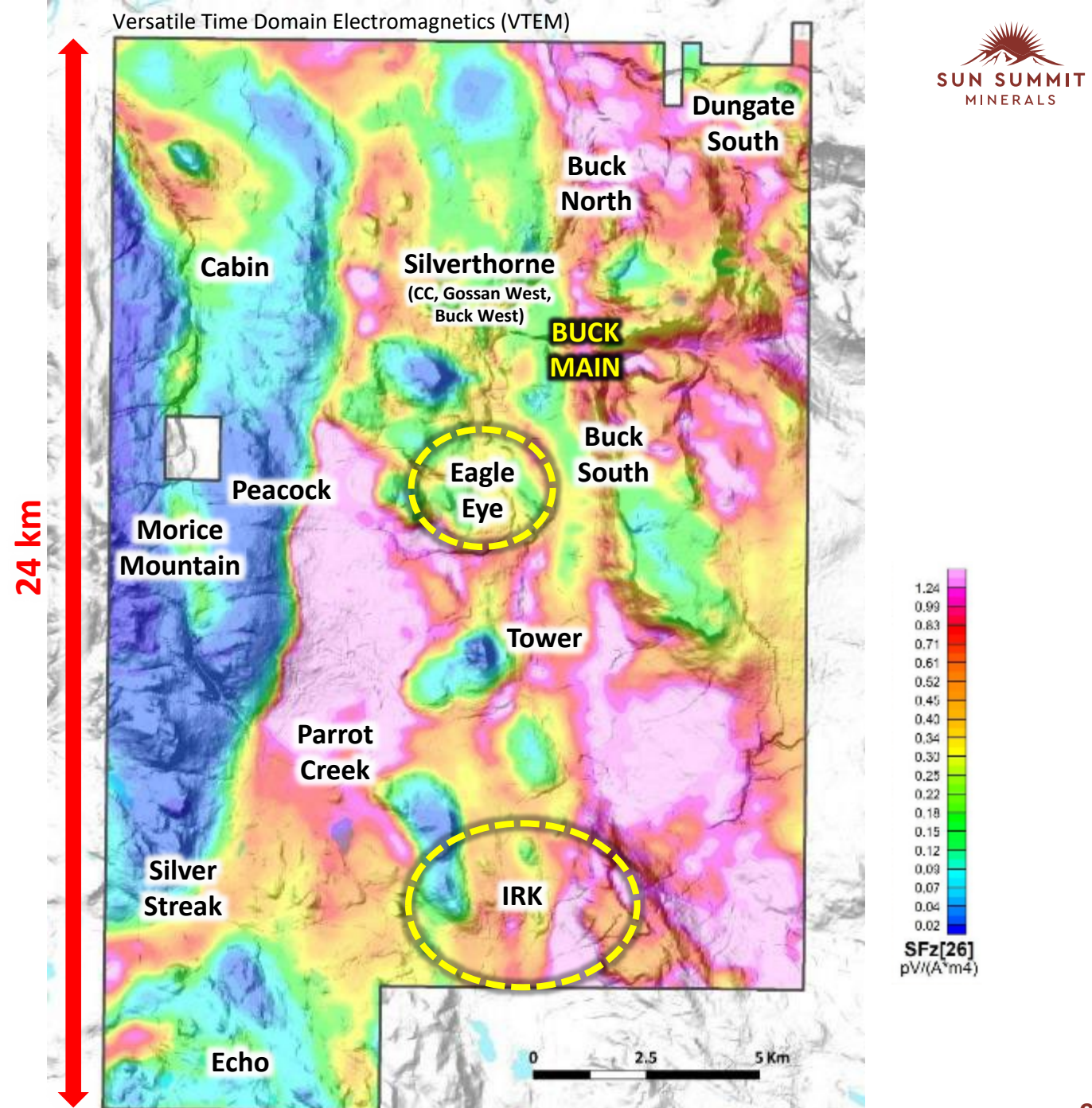
- Deposit Model: **Intermediate sulfidation epithermal Au-Ag systems**
- Metal association: **Strong sphalerite (zinc) association; large Zn geochemical anomalies; used as a pathfinder for Au**
- Geophysical signature: **Associated with IP chargeability high, resistivity high and magnetic low**



Additional Targets

Potential for Discovery

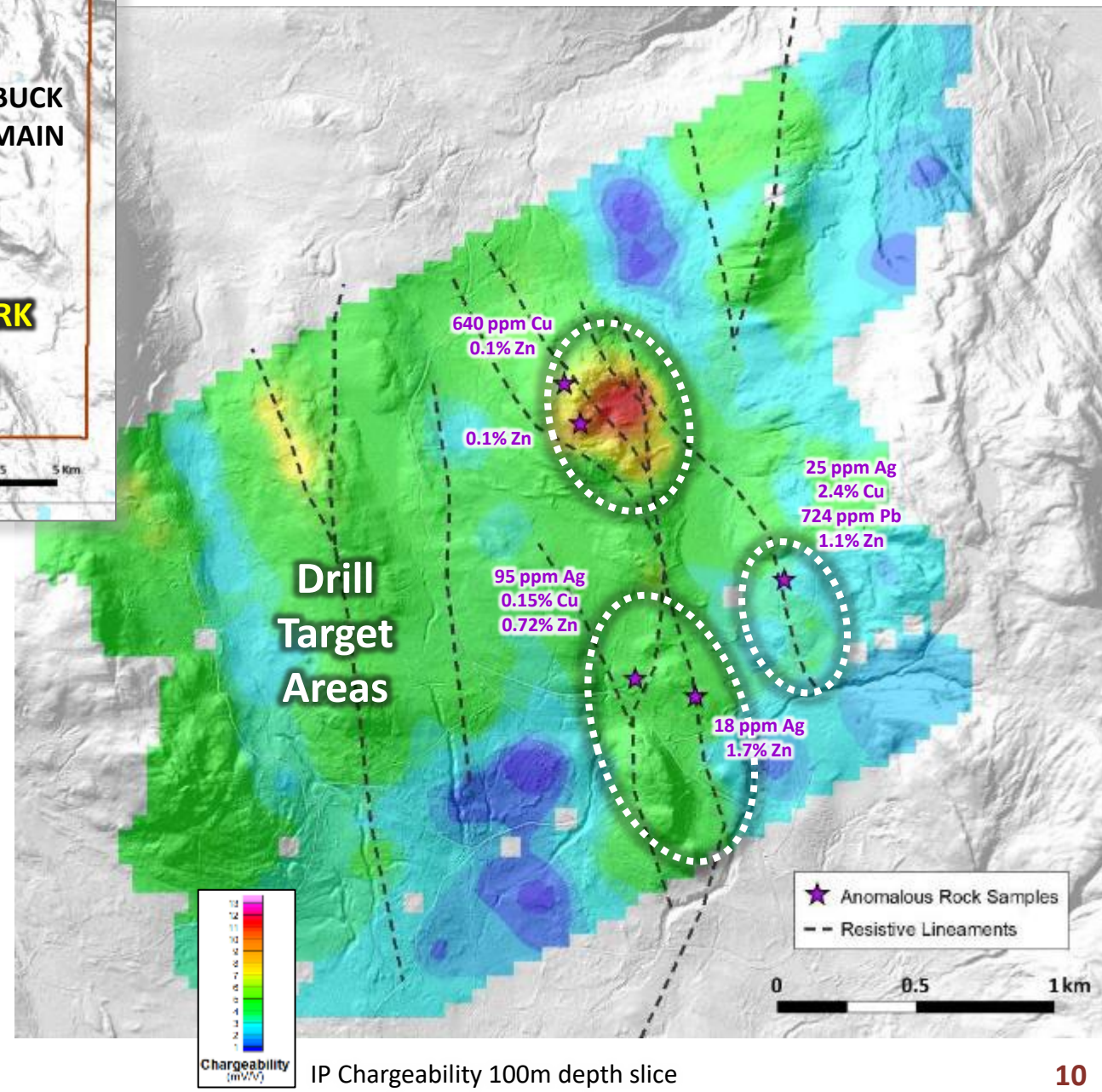
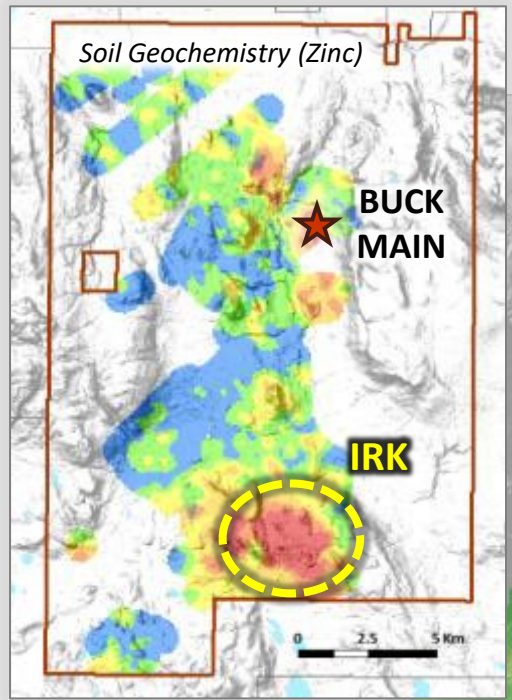
- **Multiple under-explored targets** within 33,000 ha tenure package
- **Property-wide VTEM geophysical survey**, followed up with an **Induced Polarization (IP) geophysical survey** over IRK and Eagle Eye zones
- **Significant discovery potential across the project:** Numerous multi-element soil anomalies have been identified with coincident geophysical anomalies
- **Multiple exploration techniques necessary for targeting in areas with little outcrop;** overlying rock can obscure geochemical signatures
- **Drilling to commence on first two targets:** the high-priority and drill ready IRK and Eagle Eye targets will be drilled in the first quarter of 2023
- **Additional drill targets are currently being prioritized** at Silverthorne (CC Zone, Buck West), Morice Mountain, Echo and Dungate South zones



Additional Targets

IRK

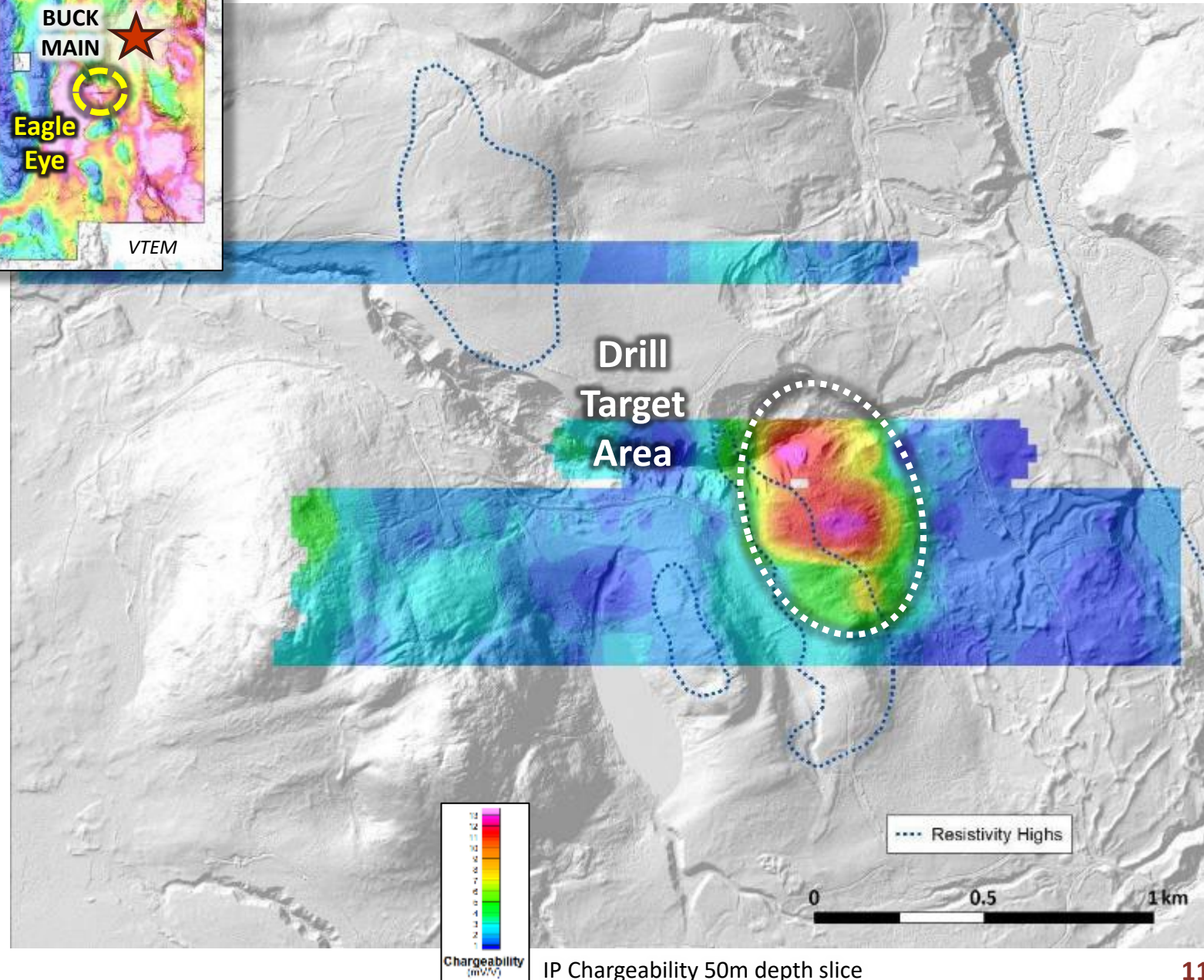
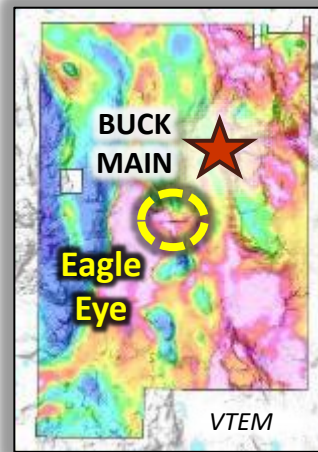
- Extensive geochemical and geophysical footprint
- Anomalous silver, zinc, lead and copper in soil samples together with rock samples with up to **95 g/t Ag, 2.4% Cu, 724 ppm Pb, and 1.7% Zn**
- Spatially coincident with **NW-trending high-resistivity and high-chargeability lineaments**
- Interpreted to represent **structurally-controlled epithermal-related vein targets**
- A series of drill holes are planned to **systematically test the strongest coincident anomalies across the broad IRK target**



Additional Targets

Eagle Eye

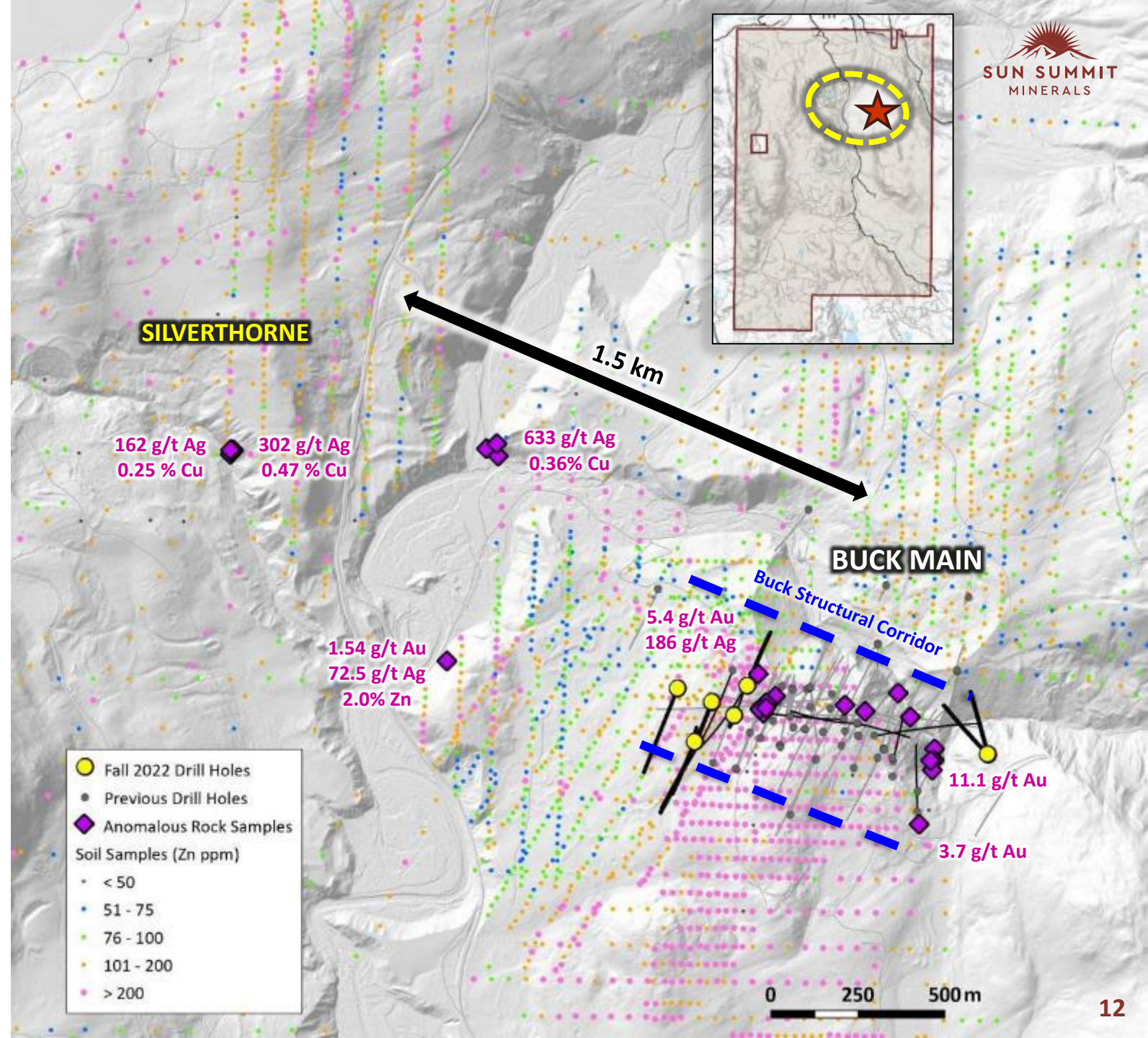
- **Strong coincident geophysical anomalies;** high-chargeability from IP and high-resistivity from VTEM
- Associated with outcropping **quartz-sericite-pyrite (phyllic) altered volcanic and intrusive rocks**
- Also coincident with a **broad magnetic-high anomaly** interpreted to reflect a **deep and concealed magnetic source**
- Interpreted to represent **surficial expression of a concealed porphyry target**
- **Multiple drill-target areas** focusing on coincident geophysical anomalies with alteration



Additional Targets

Buck Main - Silverthorne

- Numerous geochemical and geophysical targets surrounding **Buck Main area**; potential for large system
- Large WNW-trending structural zone and fracture network termed the **Buck Structural Corridor**
- Alteration, veining and geochemical anomalies extending to the NW from Buck Main
- Follows known mineralization trends from NW-trending Buck Structural Corridor
- Strong potential for additional Buck Main-style mineralization
- Soil geochemistry – **anomalous in silver, copper, and zinc**
- **Multiple drill-target areas** focusing on quartz-sulfide veins, local disseminated mineralization, sericite alteration



Share Structure

Outstanding Shares	77,490,213
Warrants	13,122,512
Options	6,728,333
Fully Diluted	97,341,058

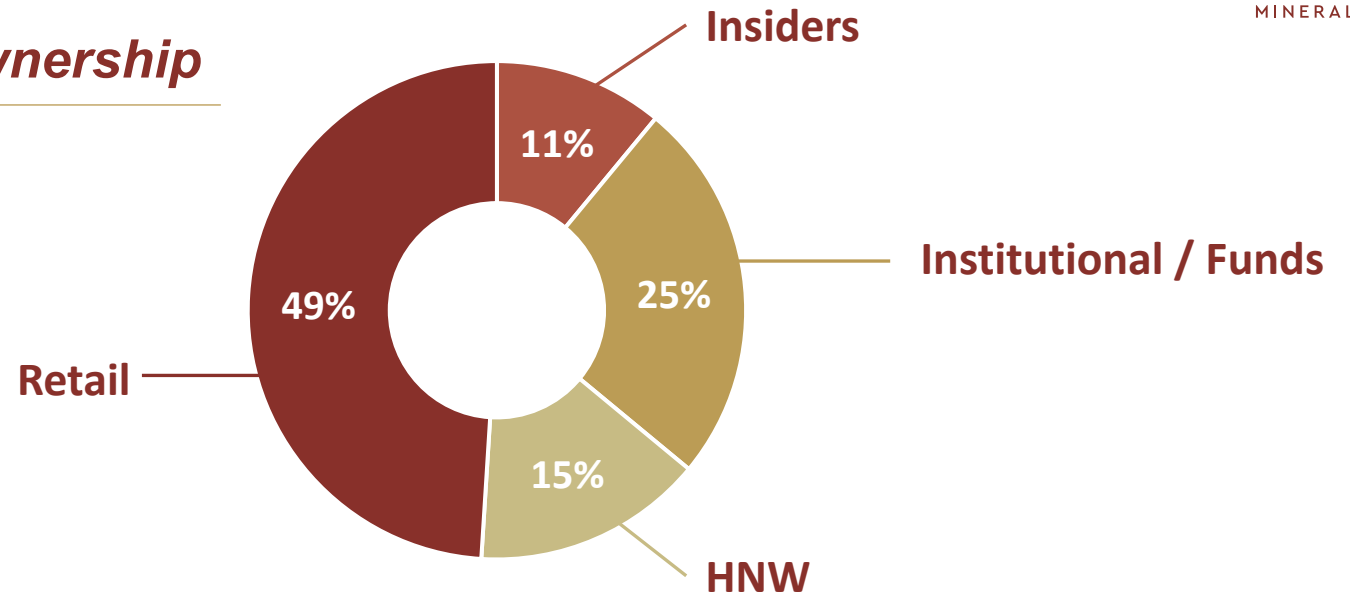
Share structure as of February 23, 2023

52 week high/low	\$0.51/\$0.11
Market Capitalization	~\$10 Million
Working Capital	~\$2.0 Million

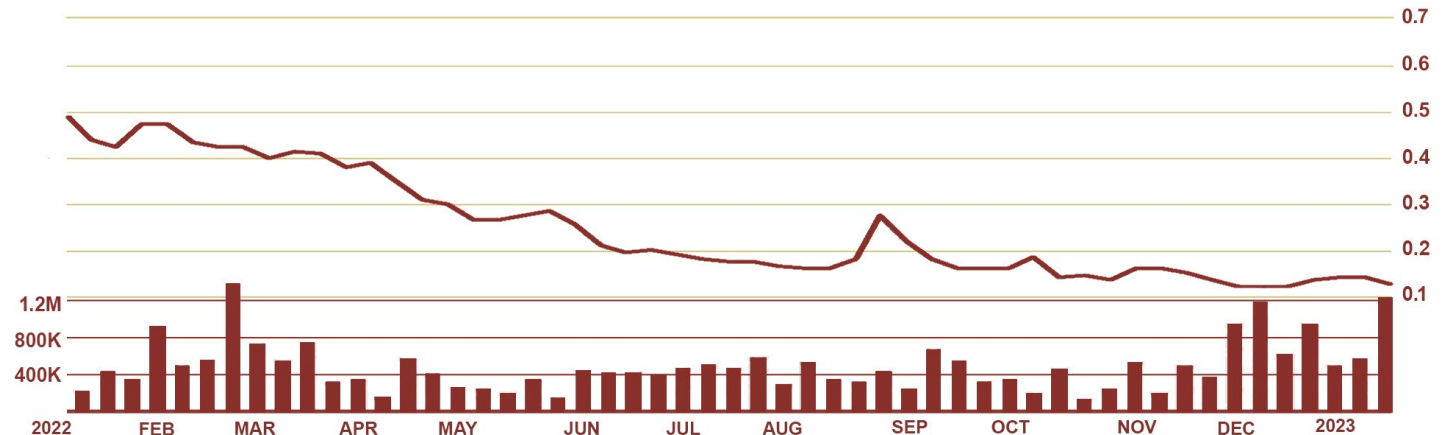
~3M warrants expiring May 29, 2023 (\$0.30)
~3.5M warrants expiring July 31, 2023 (\$0.90)
~200k warrants expiring July 31, 2023 (\$0.81)
~200k warrants expiring July 31, 2023 (\$0.66)

Newsletter Writer Coverage:
Eric Coffin, Hard Rock Analyst

Ownership



TSX.V: SMN OTCQB: SMREF



Average Daily Volume: ~200,000

Sun Summit Minerals 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*

Andrew Carstensen, P.Geo. | *Director*

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

Brian Lock | *Director*

Purni Parikh | *Director*

Management & Advisors

Sharyn Alexander, M.Sc. | *President*

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

Ken MacDonald, P.Geo. | *Vice President of Exploration*

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

Jeffrey R. Wilson | *Corporate Advisor*

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

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



Sun Summit Minerals

Why Invest?

Value Proposition



**Flagship Buck
Au-Ag-Zn Project**



**Excellent
Infrastructure**



**Year-Round
Exploration Access**



**Mining-friendly
Jurisdiction**



**Compelling
Current Valuation**



**Experienced
Management**

Upcoming Catalysts

**COMMENCEMENT OF DRILLING AT
HIGH-PRIORITY DRILL TARGETS** outside the
Buck Main system: IRK and Eagle Eye

**SIGNIFICANT DISCOVERY POTENTIAL
ACROSS THE PROJECT** through prioritization
of multiple additional drill-ready targets

ONGOING EXPANSION POTENTIAL at
Buck Main through additional step out drilling

STEADY NEWSFLOW from ongoing exploration,
drilling and project advancement

SUNSUMMITMINERALS.COM
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