



# CRITICAL METALS FOR A SUSTAINABLE FUTURE

TSXV: **BRO**

FRA: **2NZ**

OTCQB: **BRKCF**

Mid Summer Update-August 19, 2025



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Although Barksdale Resources has attempted to identify important factors that could cause actual results to differ materially, there may be other factors that cause results not to be as anticipated, estimated or intended. There can be no assurance that such statements will prove to be accurate as actual results and future events could differ materially from those anticipated in such statements. Barksdale Resources disclaims any intention or obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, other than as required by applicable law. Accordingly, readers should not place undue reliance on forward-looking statements and trading in securities of Barksdale Resources should be considered highly speculative. All scientific and technical information contained in this presentation has been prepared by, or under the supervision of, Lewis Teal, project manager and geological consultant for Barksdale Resources(CPG-6932) and a qualified person as defined by NI 43-101, Standards of Disclosure for Mineral Projects.

Historical assays contained in this Presentation have not been confirmed by Barksdale Resources, are of uncertain QA/QC standards and should not be relied upon. They are presented as a guide to future exploration.



# BARKSDALE RESOURCES: Critical Metals for a Sustainable Future

## PATAGONIA DISTRICT

### Enormous Upside Potential

Barksdale and South32 separately control nearly the entire Patagonia mining district. Sunnyside targets include extension of the Taylor and Peake CRD ore bodies, porphyry related copper, silver, zinc and manganese deposit and near surface copper manto's.

## JURISDICTION

Two key jurisdictions, friendly to mining-Mexico and the U.S.

With proximity to South 32's Assets as well as a favourable location in Arizona USA for the Company's flagship Sunnyside as well as mining-friendly Mexico, jurisdictions are positive for continued exploration.

## CRITICAL METALS

Copper and other key minerals.

Critical metals are essential raw materials used in high-tech, clean energy, and defense applications, including electric vehicles, wind turbines, and semiconductors. Their limited supply and geopolitical concentration make them strategically important for national security and economic competitiveness.

### Sunnyside Project

Barksdale is majority owner in the Sunnyside 51%-49% JV with Regal with plans to move to a 67.5%-32.5% ownership position.

Historical drill intercepts on the Sunnyside property\*:

- CRD: 17-meters of 17% Zn+Pb, 337 g/t Ag, 1.3% Cu
- CRD: 38-meters of 15% Zn+Pb, 229 g/t Ag, 0.2% Cu
- Porphyry: 415-meters of 0.36% Cu

### San Javier Project

Advanced copper deposit in Sonora, Mexico.

The property consists of twelve separate mineral concessions totaling approximately **1,184 hectares**. Drilled by Barksdale in 2021, the Company issued a NI 43-101 compliant PEA Report in 2024 that states a **M&I Resource of 70.1 Mt containing 419 million pounds of copper within a \$4.00/lb. Cu pit shell.\*\***

\* Drilling at Sunnyside was completed prior to the implementation of NI 43-101 and has not been verified by a "qualified person" and therefore should not be relied upon. Intercepts are presented to provide an indication of the possible mineralization within the Sunnyside Property and as a guide to future exploration. \*\* See appendix for summary information or the Company's 2024 NI 43-101 technical report on SEDAR for detailed information.

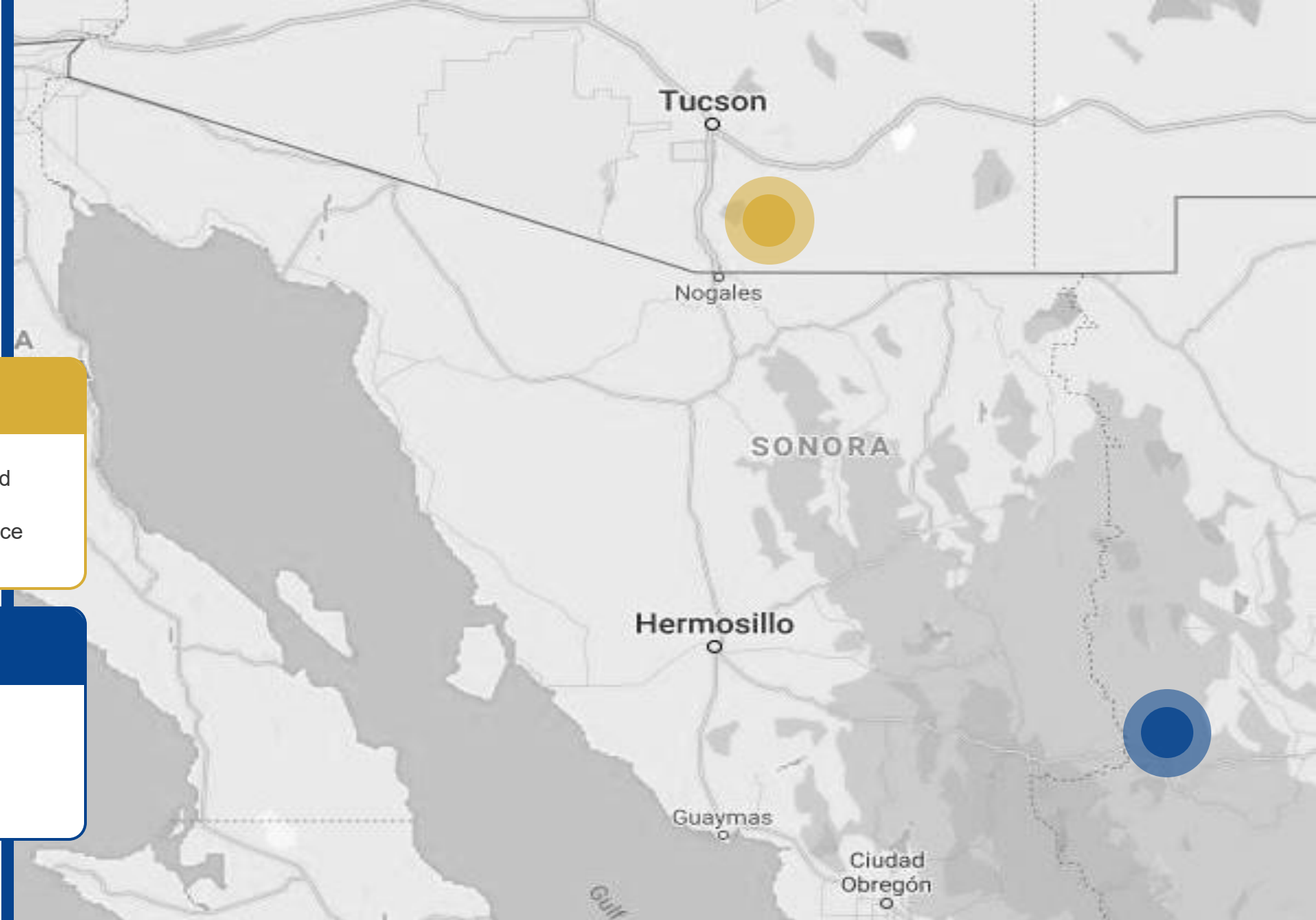
# FOCUSED ON EXPLORATION IN TWO DISTINCTIVE DISTRICTS

## Patagonia District, Arizona

- USFS PoO and FONSI Approved
- Near Term Discovery Potential
- Neighbor to World Class Resource

## San Javier District, Mexico

- Copper Oxide Resource
- Strong Leach Recoveries
- Robust PEA Economics



# Barksdale Arizona Properties

## SUNNYSIDE

- Downdip extensions of South 32's Taylor and Peake deposits, *but that's not all....*
- Near surface chalcocite deposits
- Porphyry style Cu and Au
- 286 unpatented claims, 5,223.1 acres
- Earn-in up to 67.5%

## CANELO and GOAT CANYON - 100%

- Former Kennecott/Rio Tinto property
- Early-stage Cu porphyry and CRD/Skarn projects
- 433 federal mining claims/8,700 acres
- 314 federal mining claims/6,400 acres

## SAN ANTONIO - 100%

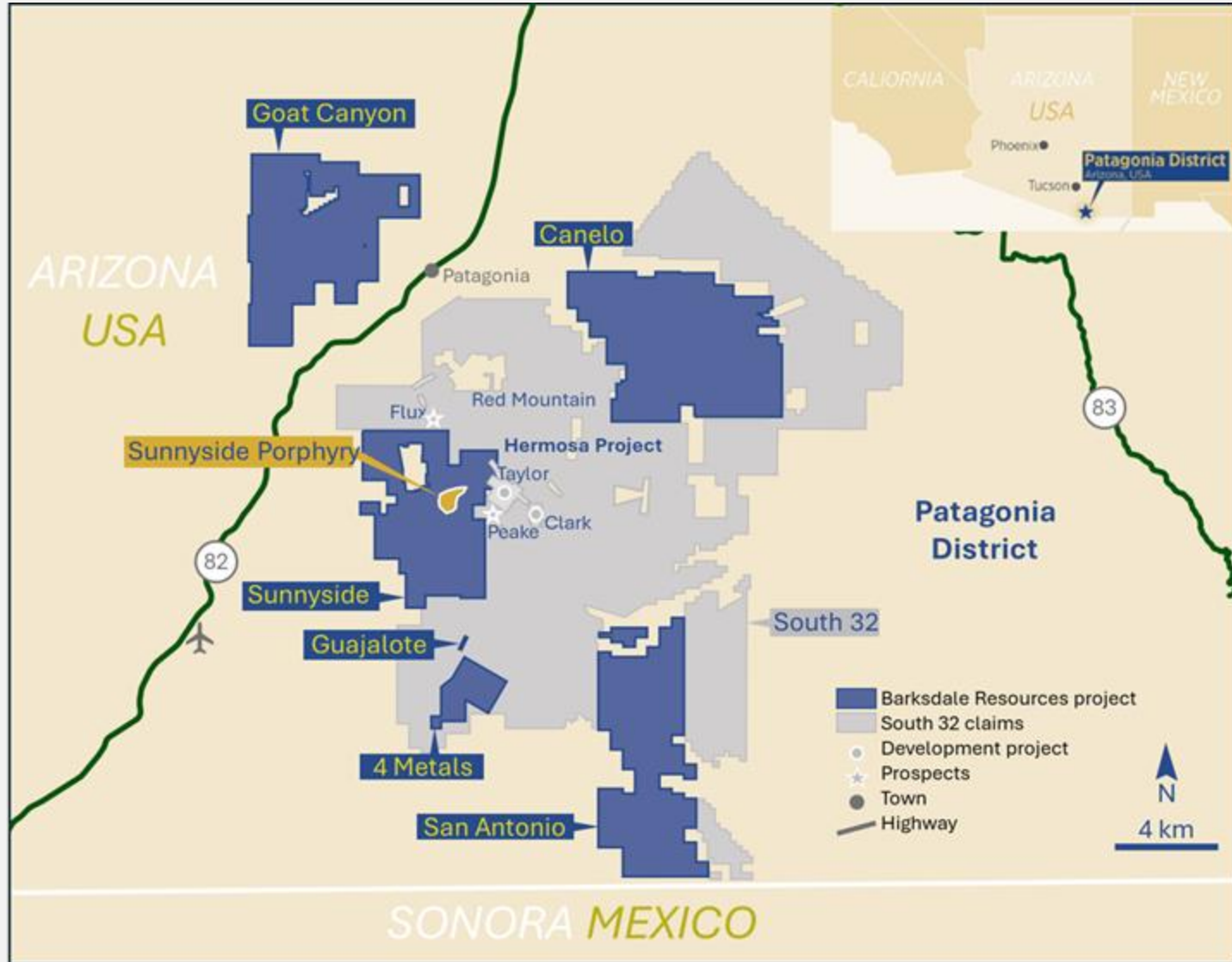
- Southern ext. of Harshaw Creek fault system
- Copper Porphyry style system
- Teck retains a 1.5% NSR and FROR
- 315 unpatented claims, 6,300 acres

## FOUR METALS – 100%

- Breccia pipes and buried porphyry-style mineralization
- 40 unpatented claims, 760 acres

## GUAJOLOTE – 100%

- Patented mining claim





# SOUTH32's HERMOSA (Our Neighbor)

## ~US\$4 Billion

Acquisition and  
Construction Approval

- Acquired for \$1.7B in 2018
- H2 2027 Initial Production
- 2030 Steady State Production

## 28 Year

Mine Life

- 65Mt reserve grading 4.35% Zinc, 4.9% Lead and 82 g/t Silver
- Covers first 19 years of mine life
- 153 million tonnes resource grading 3.53% Zinc, 3.83% Lead and 77 g/t Silver

## 4.3Mtpa

Annual Milling Capacity

- Production: 114kt zinc; 142kt lead; 7.4moz silver annually

## US\$0.16/lb

All-In Sustaining Costs  
for Zinc (After Credits)

- First quartile cash costs



**Construction  
Underway  
Production  
Expected in  
2027**

# FIRST HALF 2025 ACCOMPLISHMENTS

**1. Completed Phase I drilling program at Sunnyside to test western edge of chalcocite copper target.**

**2. Complete contractual commitments to maintain 51% ownership of Sunnyside by Sept. 2025.**

**3. Decision to pursue Phase II earn-in requirements to obtain 67½ % ownership to follow acceptance.**

**4. Onboarded our new CEO, William Wulftange.**

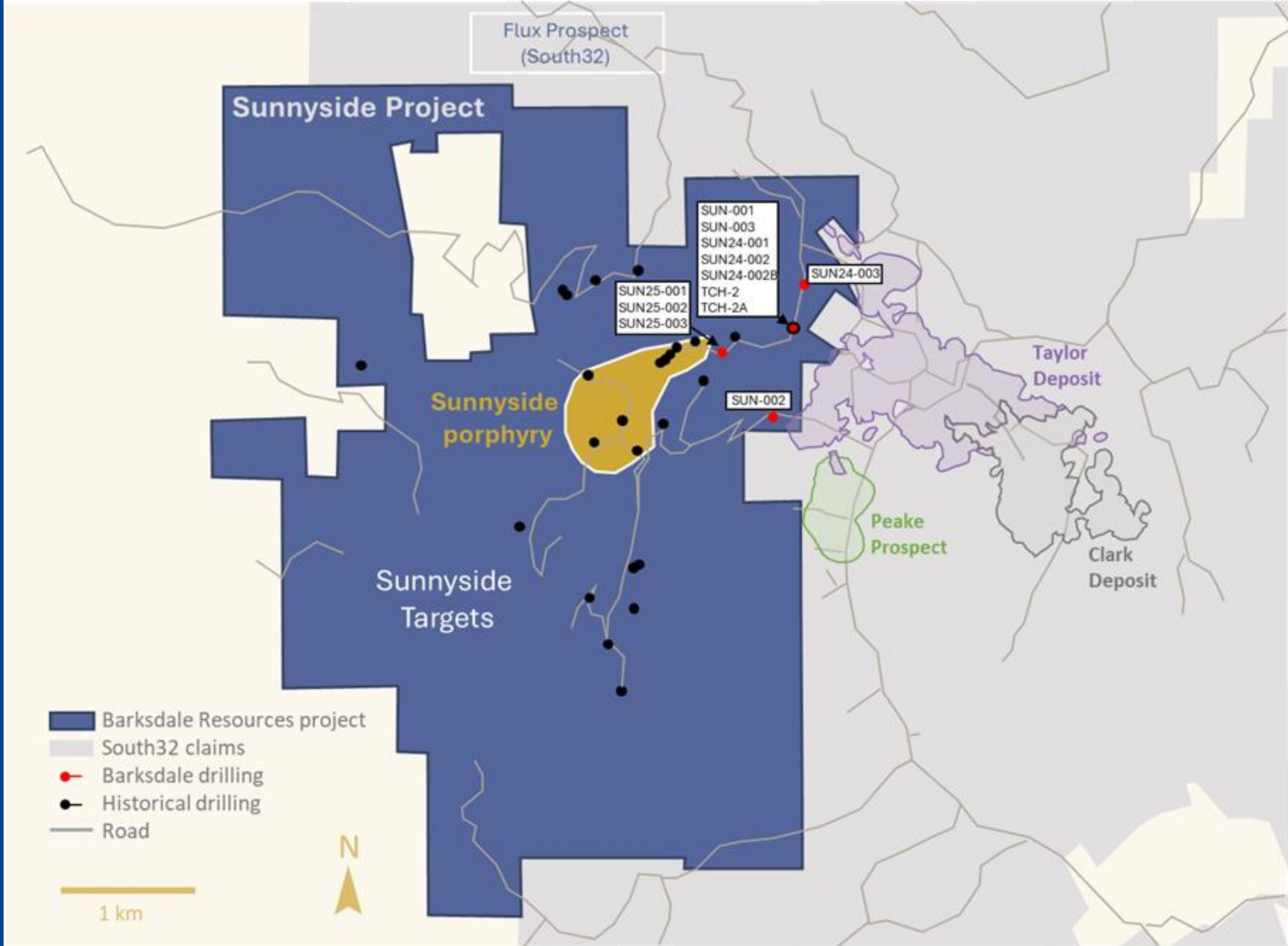
**5. Currently working on hiring a drilling contractor to move forward with Phase II drill program.**





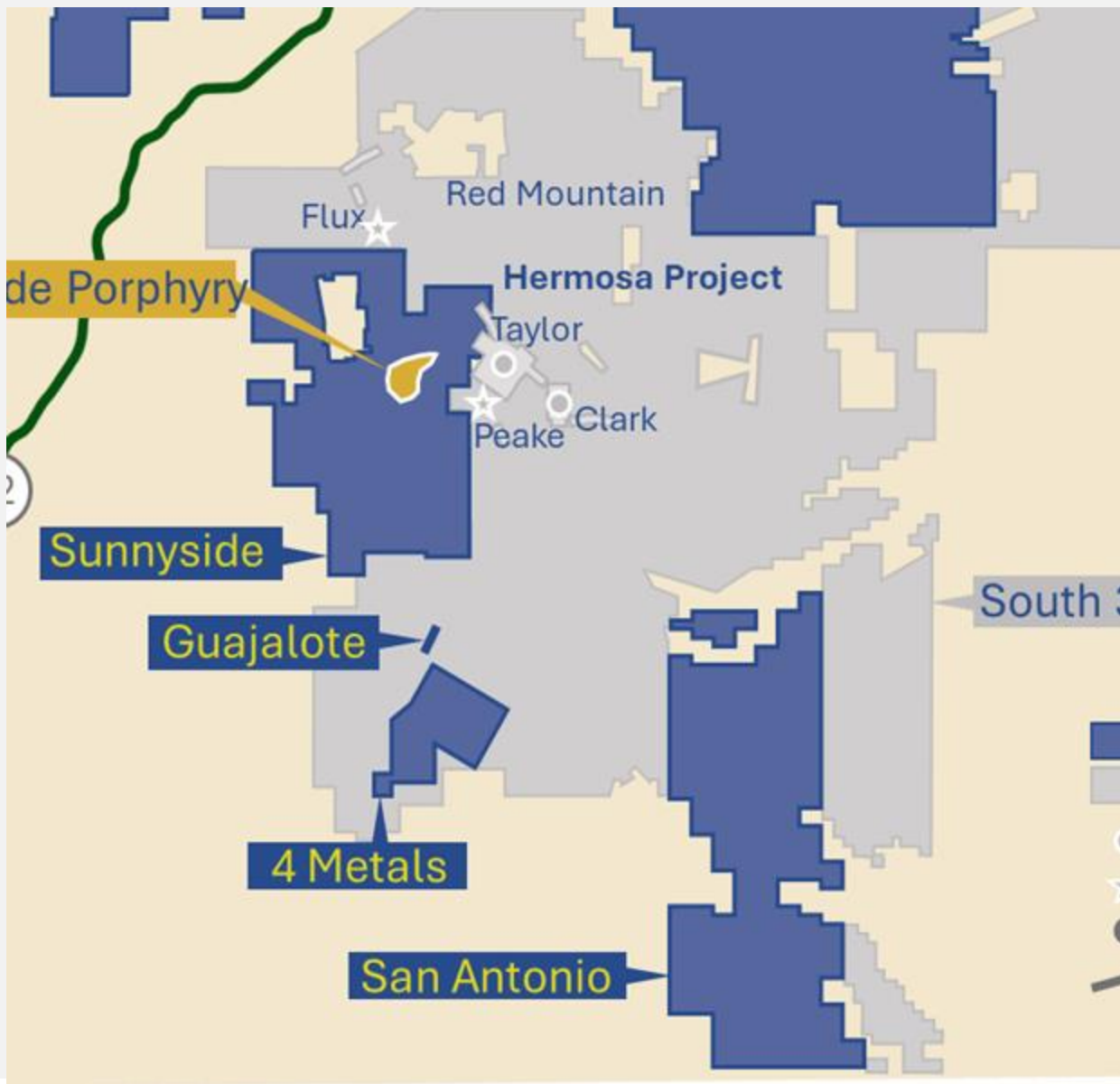
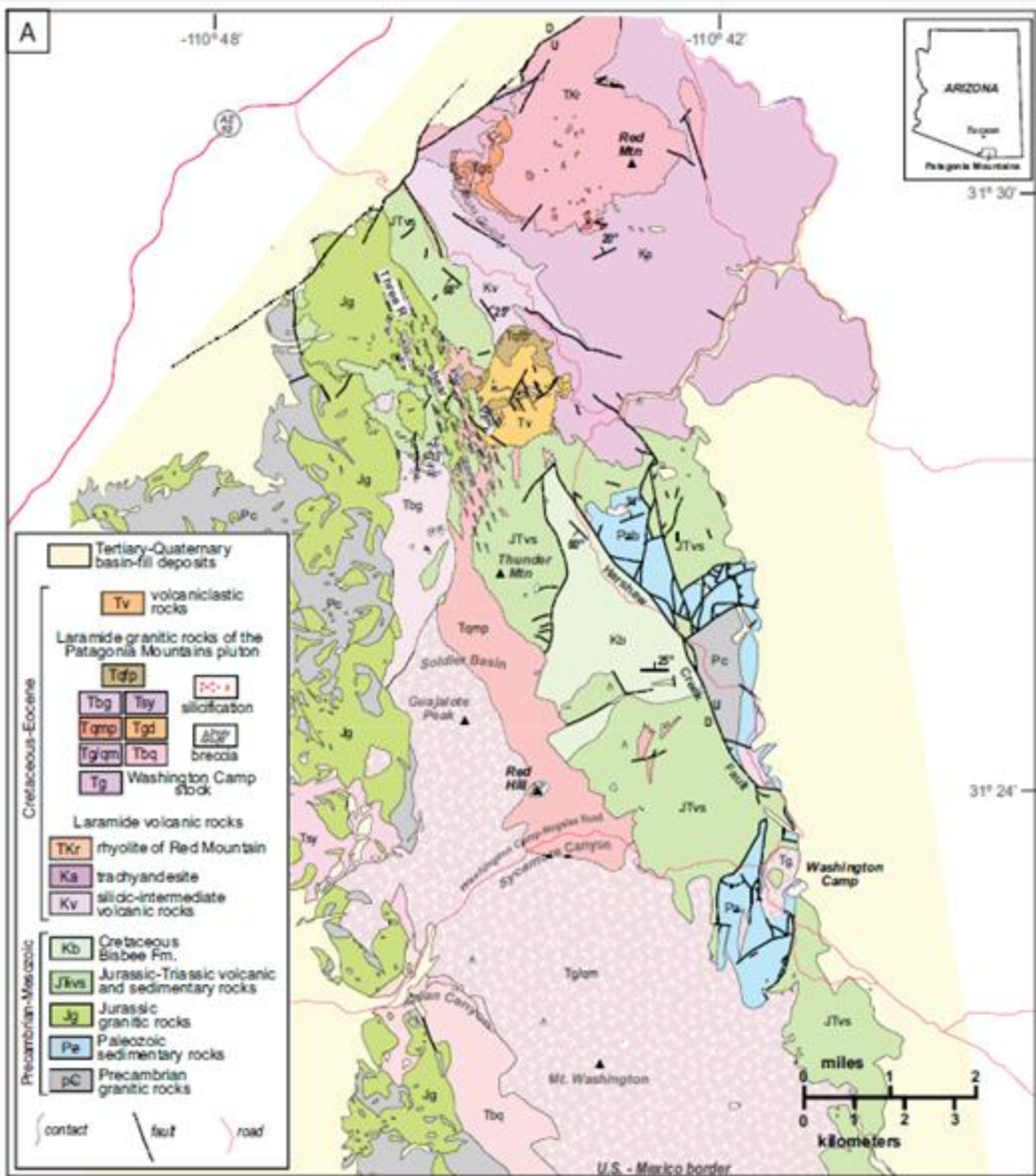
# ONE SYSTEM, TWO PROPERTIES

- The SUNNYSIDE PROJECT borders South32's Hermosa project on the North, South and East claim boundaries
- The HEAT ENGINE responsible for mineralization at Sunnyside and Hermosa is located on the SUNNYSIDE PROJECT
- BRO exploration confirmed the *extension of the Taylor Deposit onto the Sunnyside Project* in DH SUN24-002B
- BRO Fall 2025 drill program focuses on Cu, Zn and Ag targets, including near surface Chalcocite zones, shallow vein and breccia extensions and the Upper Porphyry intrusive.

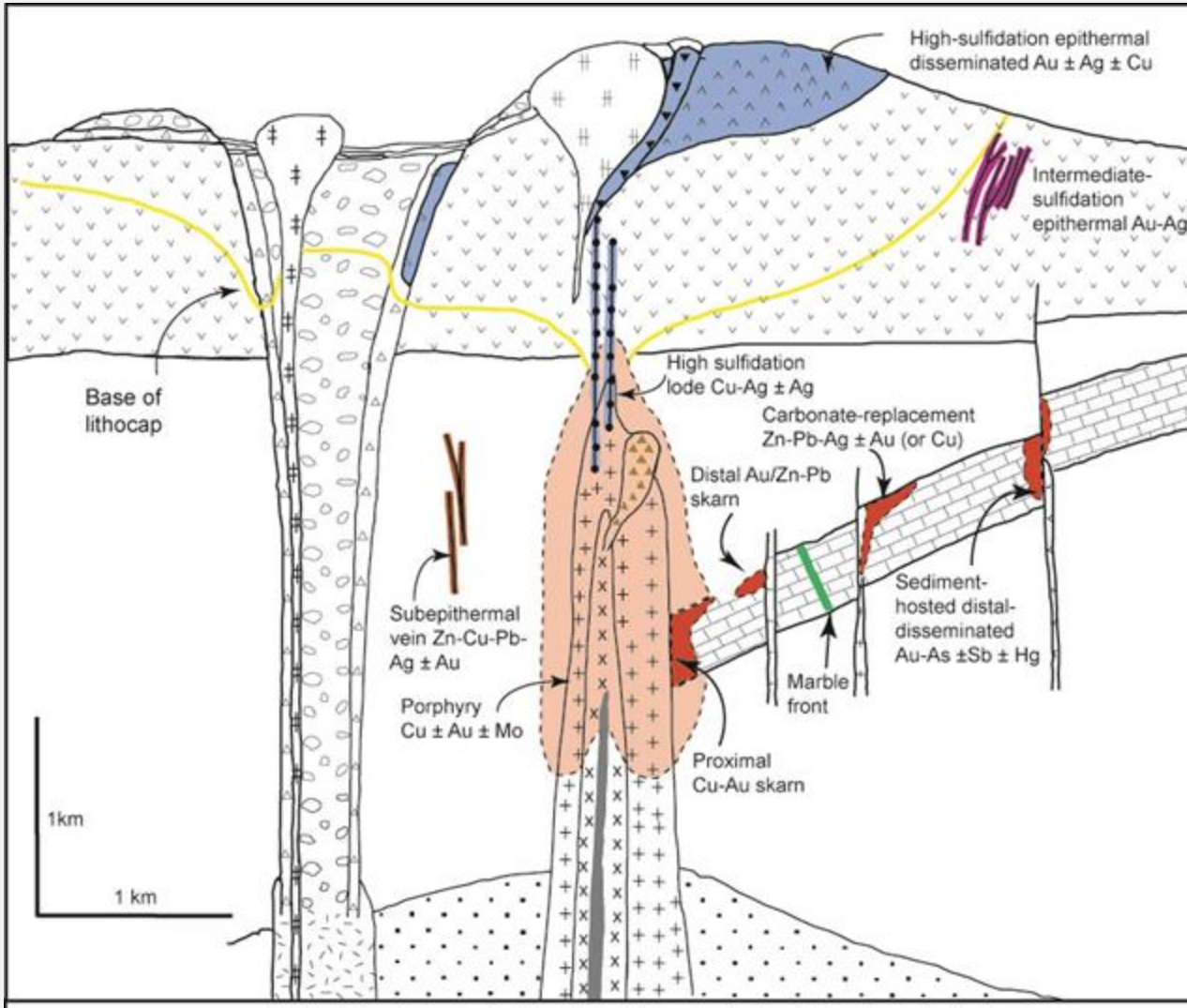




# PATAGONIA MOUNTAIN GEOLOGY



# PORPHYRY DEPOSIT MODEL



## ASSOCIATED MINERAL DEPOSITS

### Sed-Hosted Distal

- Disseminated      Au-Ag +/- Sb +/- Hg
- CRD      Zn-Pb-Ag +/- Au/Cu
- Distal Skarn      Au/Zn-Pb
- Proximal Skarn      Cu-Au
- Chalcocite      Cu
- Porphyry      Cu +/- Au, Mo



# ONE SYSTEM, MULTIPLE DISCOVERIES

SUNNYSIDE HISTORICAL  
EXPLORATION

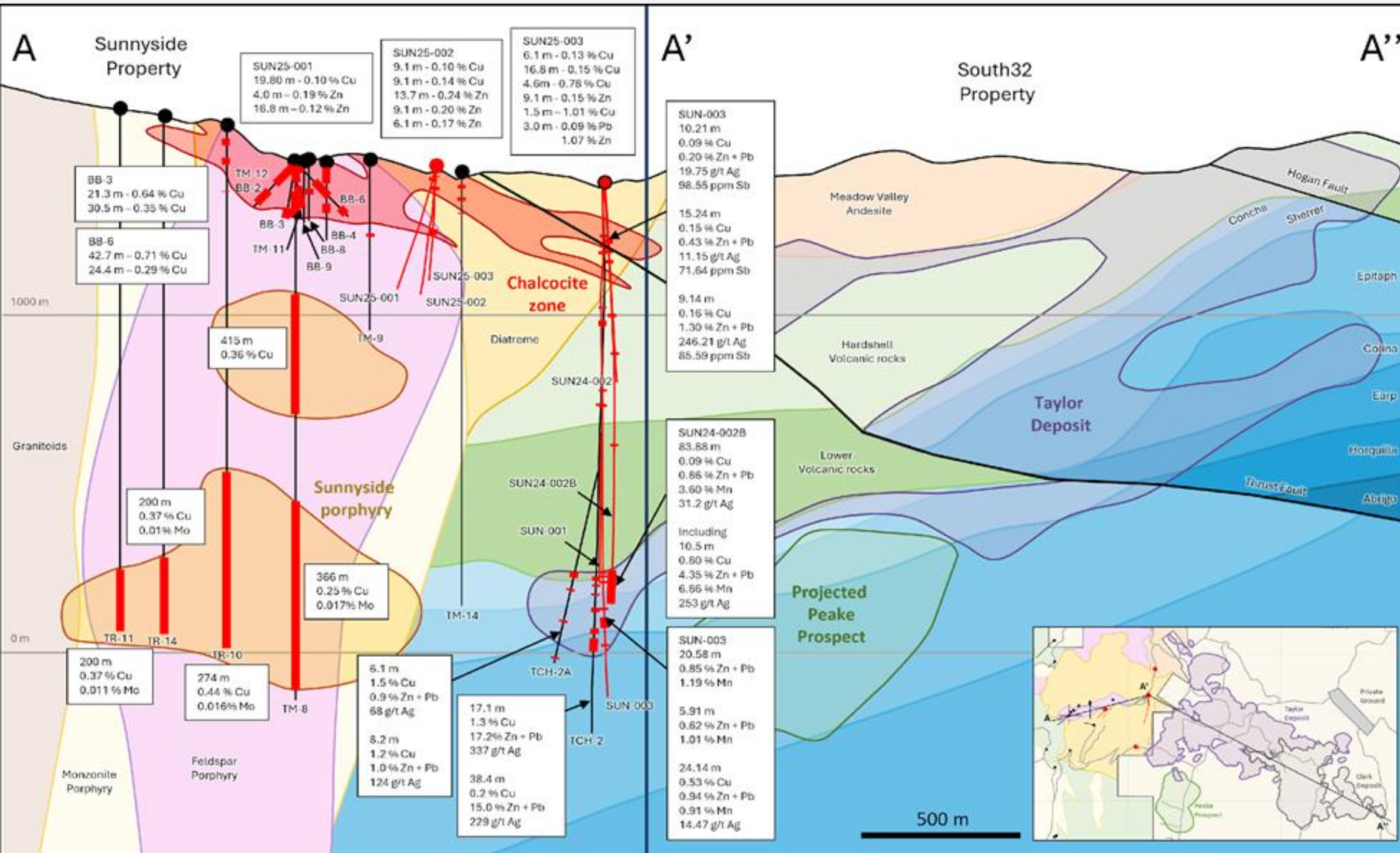
CHALCOCITE MANTO

UPPER PORPHYRY

SUNNYSIDE PORPHYRY

PEAKE EXTENSION

TAYLOR EXTENSION



Note: Initial drilling at Sunnyside prior to Barksdale Resources was completed before the implementation of NI 43-101 standards and has not been verified by a "qualified person" and therefore should not be relied upon. Intercepts are presented to provide an indication of the possible mineralization within the Sunnyside property.

# SECOND HALF 2025 STRATEGY



**1. Target & Test near surface chalcocite occurrence for infill and exploration drilling.**

**2. Evaluate Chalcocite Target results for Resource classification.**

**3. Target & Test NSAMT, structural and upper porphyry occurrences.**

**4. Complete all stipulations in the Phase II earn-in agreement with Regal resulting in a 67.5% ownership of the Arizona Standard – Sunnyside Project.**

**5. Evaluating deep level targets at Taylor and Peake to be drill tested in 2026.**

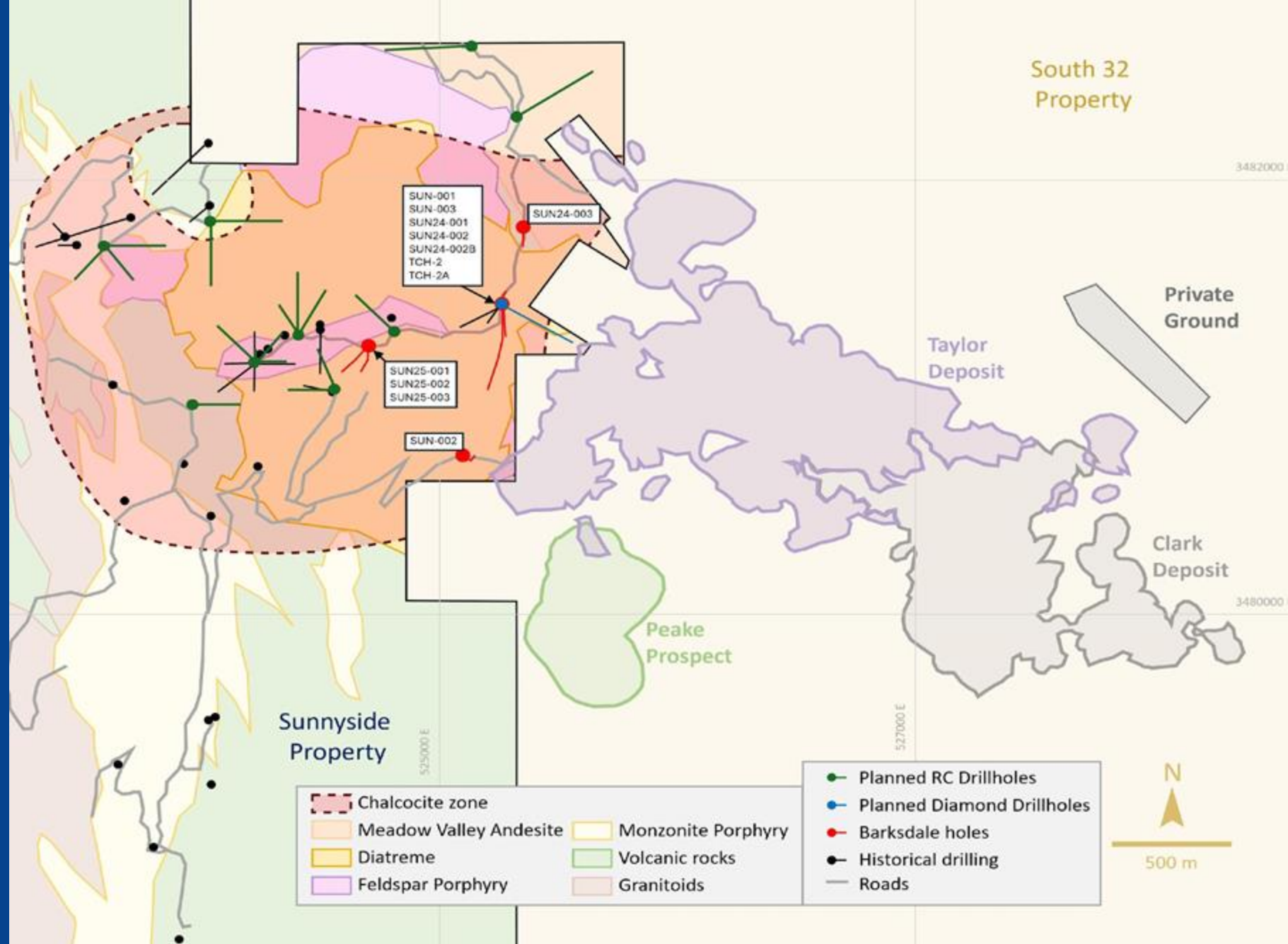


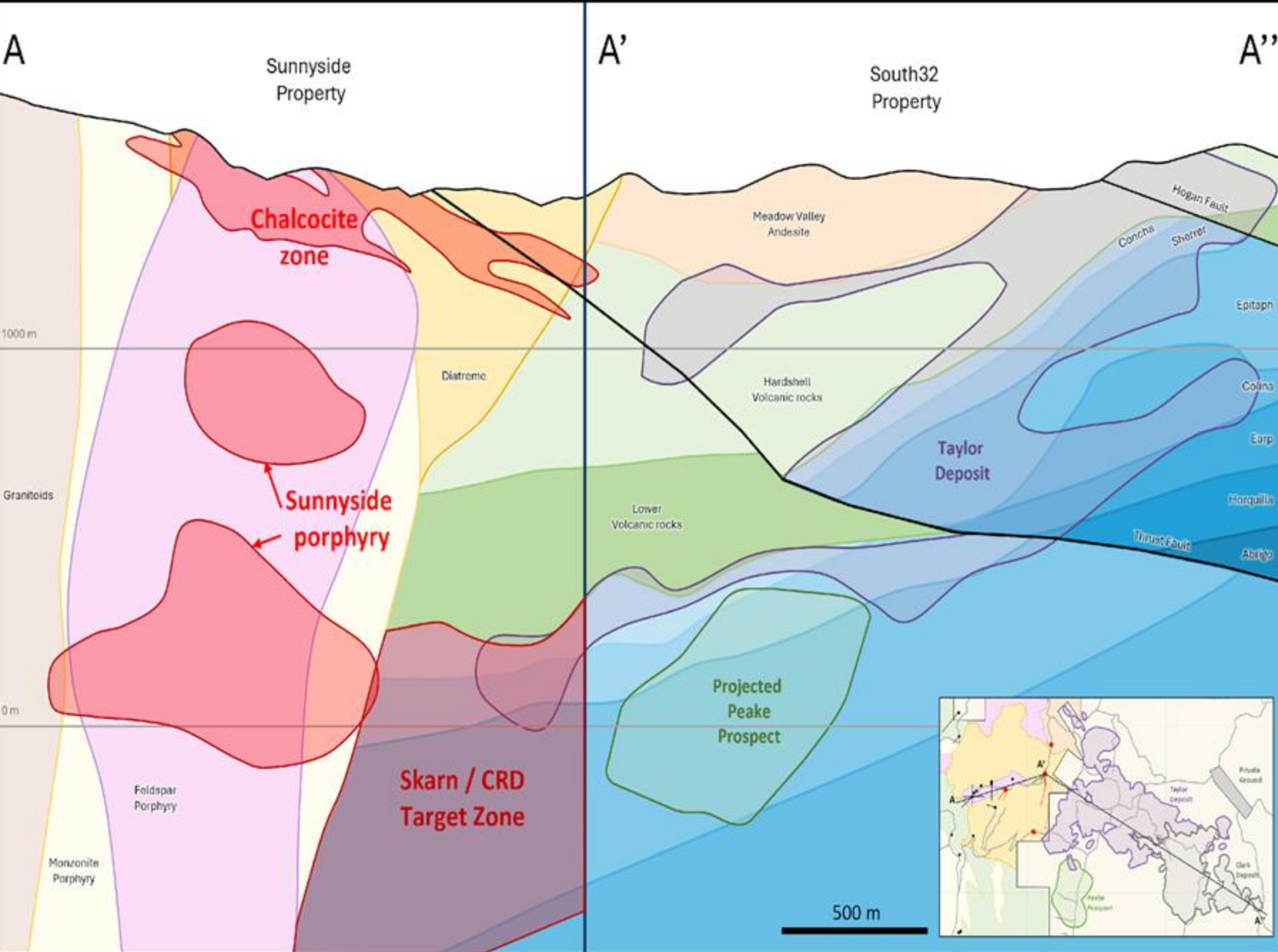
# FALL 2025 TARGETS (proposed)

## Chalcocite Targets

Aerial view of the extensive surface and near surface presence (dashed outline) of Chalcocite ( $\text{Cu}_2\text{S}$ ) recognized by ASARCO, Kerr McGee and others in historical exploration programs.

BRO plans a series of holes to confirm, extend and infill the central and other occurrences.





## FALL 2025 TARGETS (proposed)

**Chalcocite Zone**

- Cu and Ag

**Upper SS Porphyry**

- Cu, Zn and Pb

**SPRING 2026 TBD**

**Lower SS Porphyry**

- Cu, Zn and Pb

**CRD and Skarn Deposits**

- Zn, Pb and Mn
- Extensions of Taylor and Peake



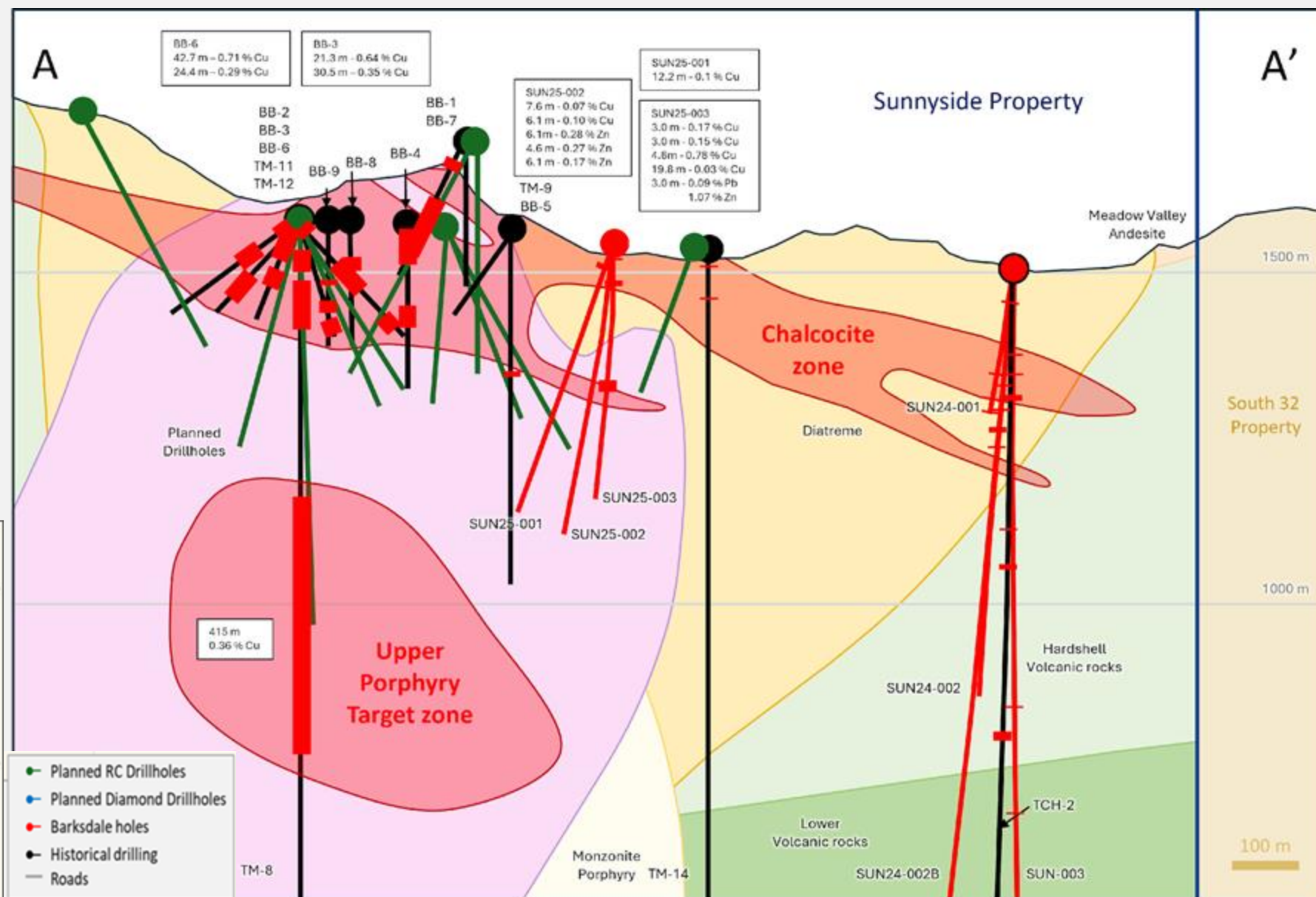
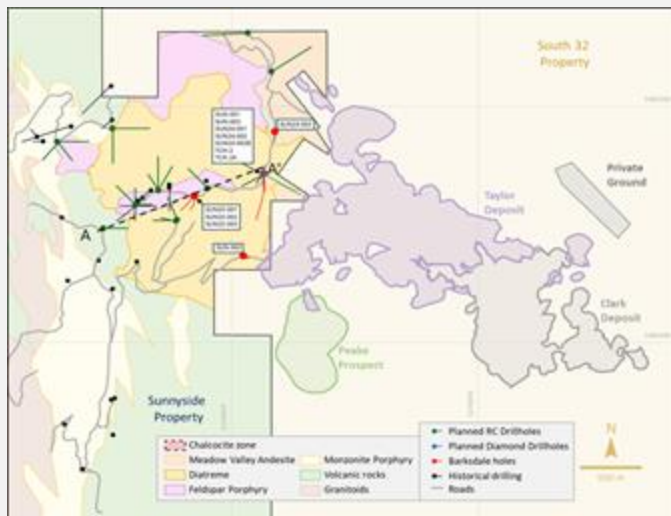
# FALL 2025 TARGETS (proposed)

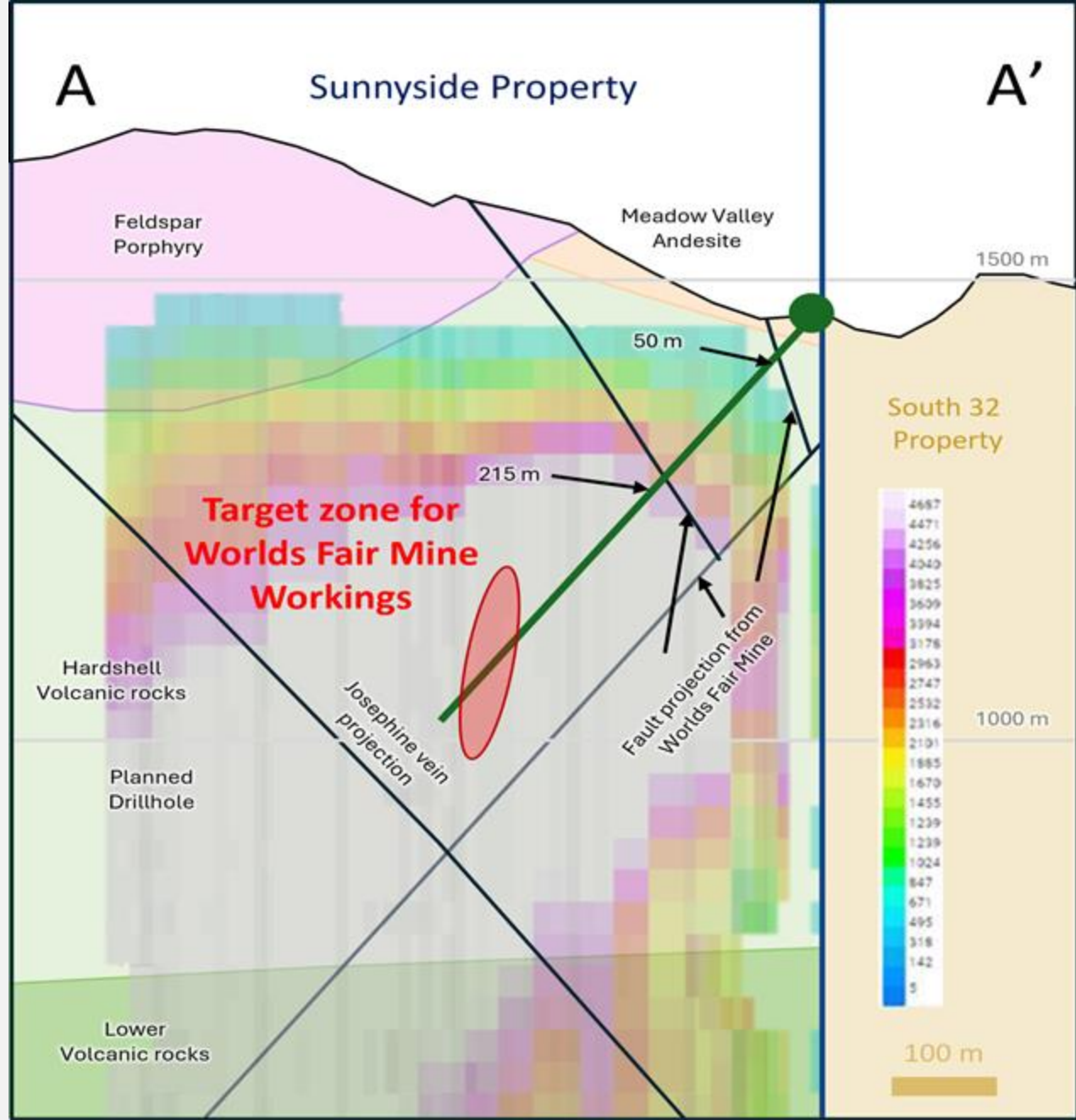
## Chalcocite Target Infill

- Follow up 1990 ASARCO recommendations to infill.

## Upper Porphyry Target

- Offset and twin TM-8 to begin definition of the upper porphyry system for Cu and Zn as hit in SUN25-002 and 003.

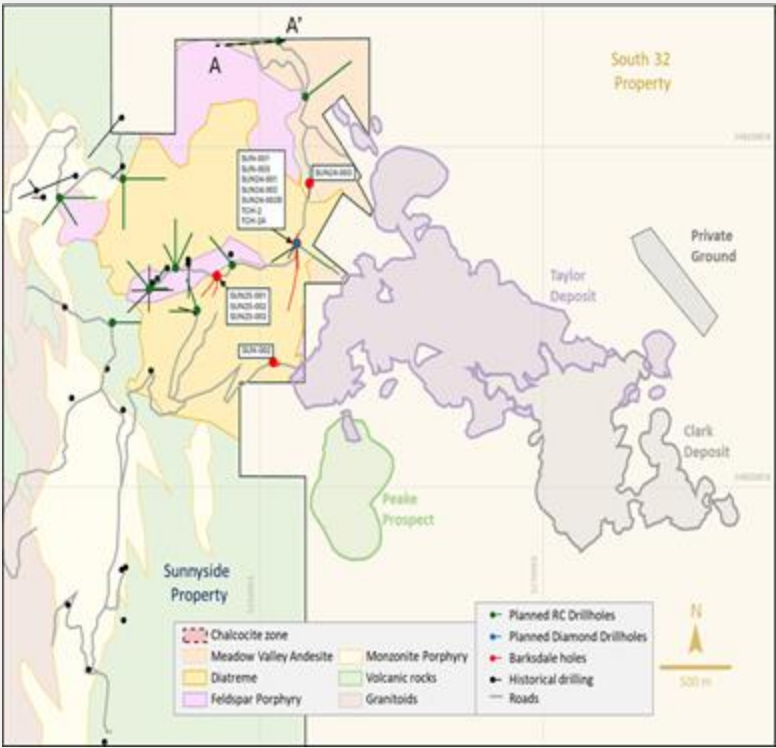




# FALL 2025 TARGETS (proposed)

## Shallow Targets

- Shallow NSAMT geophysical target.
- Surface Gold and Lead anomaly over the projection of various vein-bearing structures.
- Potential for mineralized breccia pipes, porphyry and epithermal veins.

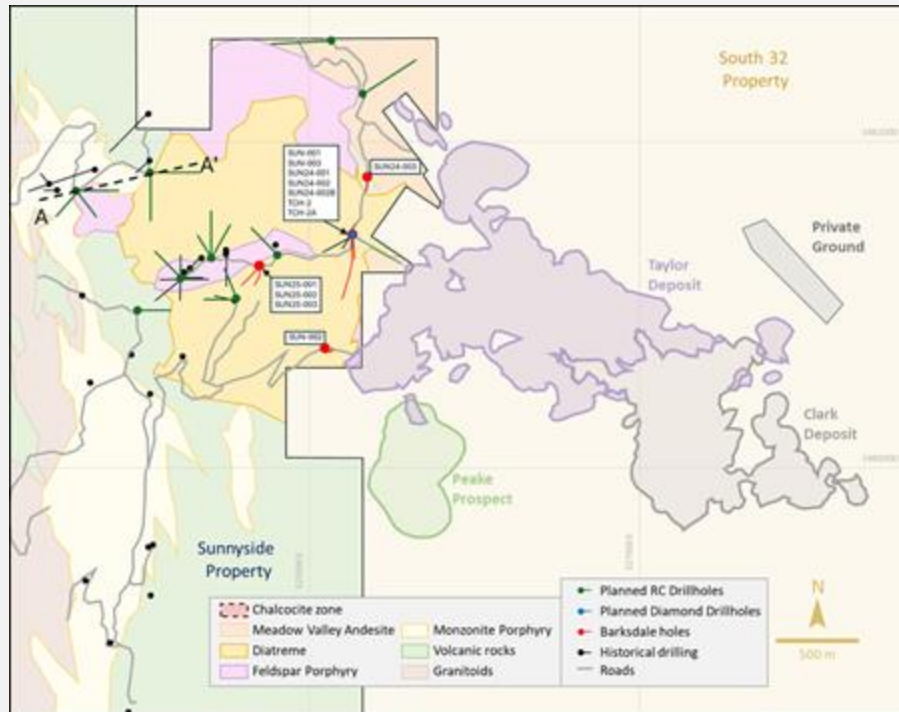
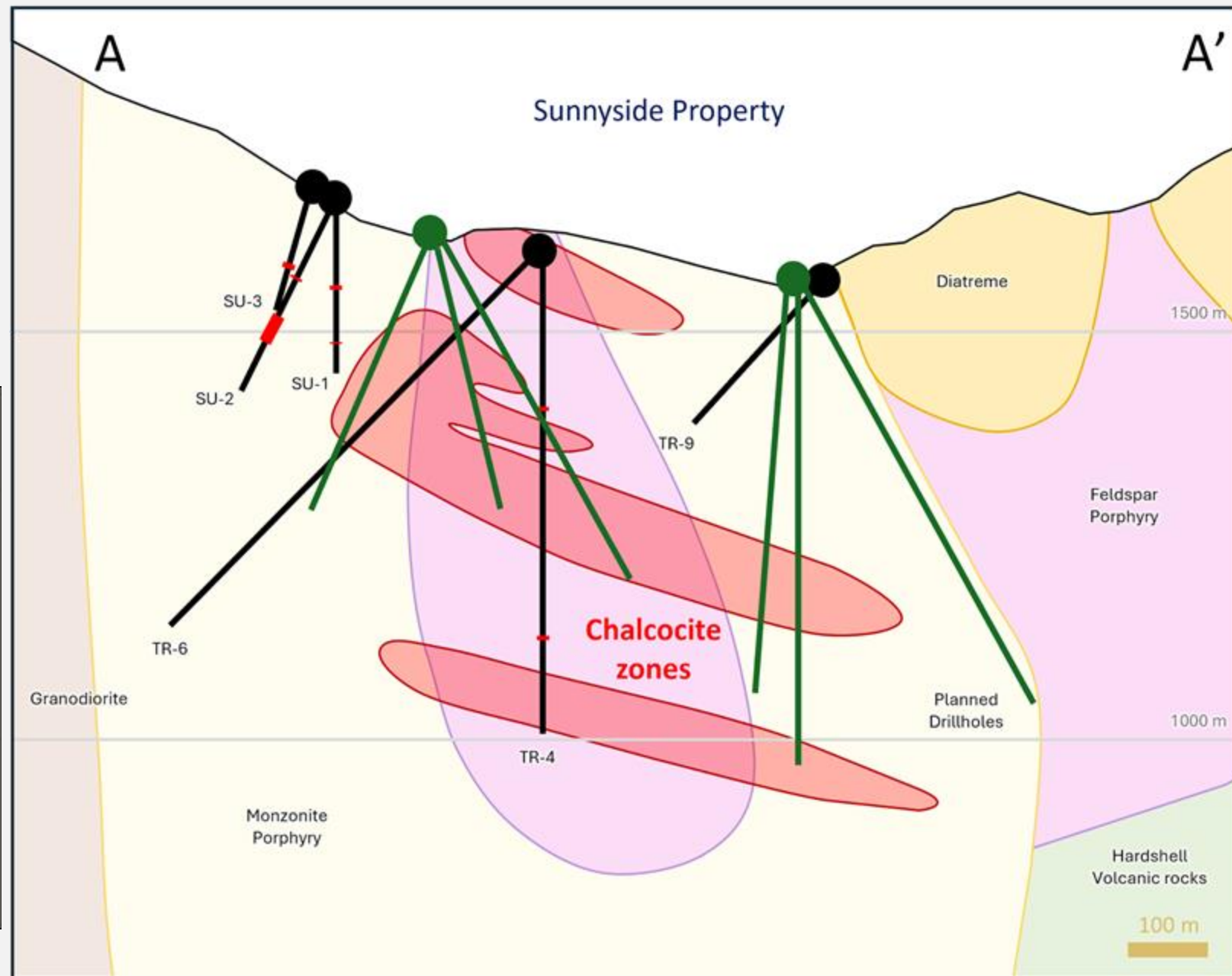




# FALL 2025 TARGETS (proposed) Shallow Targets

## NW Chalcocite zone

- Dips to the NE.



# LEADERSHIP TEAM

## WILLIAM WULFTANGE

### CEO and Director

William began his career in Nevada as an exploration geologist contributing to the discovery of the world class Paradise Peak Mine in 1983. During the following 38 years, William contributed to the discovery, development and production of highly successful precious metal mines including the El Peñón mine in Chile and the Cerro Negro project, now a mine, in Argentina. He has critical experience in precious metal and copper project evaluations and has acted as a Qualified Person for resource and reserve reporting for Meridian Gold, Andean Resources, and Yamana Gold. He is a past President of the SEG Foundation and currently serves within the foundation on a volunteer basis.

## ALAN ROBERTS

### VP Exploration & QP

A seasoned professional with over three decades of experience in mineral exploration and mining. He holds a Bachelor of Science in Geology from Goldsmiths, University of London (1989) and a Master of Science in Mineral Exploration and Geophysics from Imperial College London, Royal School of Mines (1992).

## MICHAEL WALDKIRCH, CPA

### CFO

A Certified Public Accountant with extensive experience providing a variety of financial and business consultancy services to public and private companies since 1998.

## NANCY HEISER

### Director of External Relations

Ms. Heiser has many years of experience working in community and government relations in southern Arizona. Prior to joining Barksdale, Nancy worked for Hudbay Minerals and spent several years leading the community relations team for Congresswoman Martha McSally.

## BRAD NORLING

### Senior Permitting Consultant

Over 27 years experience providing biological, permitting, regulatory compliance, and environmental assessment services for the natural resource and renewals industries.

## IRA M. GOSTIN, MBA, APR

### Head of Investor Relations

Ira is an award-winning investor relations and capital markets strategist with a dynamic background in marketing and strategic communications. He is a veteran IRO having worked in the mining and energy sector for two decades. He was a found executive at Tahoe Resources, head of IR at Rye Patch Gold and has worked with numerous other exploration and mining companies.

## Board of Directors

## DARREN BLASUTTI

### Chairman

CEO of Americas Gold and Silver

## QUINTON HENNIGH

### Director

President of San Cristobal Mining and Technical Director of Crescat Capital

## PETER McRAE

### Director

SVP Corporate Affairs at Americas Gold and Silver

## JEFF O'NEILL

### Director

Owner of JMO Enterprises

## WILLIAM WULFTANGE

### Director



# CAPITAL STRUCTURE

As of July 1, 2025. All prices in CAD

30 DAY SHARE PRICE RANGE	<b>\$0.085 – \$0.12</b>
SHARES OUTSTANDING	<b>136.8 million</b>
OPTIONS	<b>12.2 million</b>
WARRANTS	<b>68.4 million</b>
FULLY DILUTED	<b>217.4 million</b>
MARKET CAP	<b>\$16.2 million</b>
CASH	<b>\$1.5 million</b>
CONVERTIBLE DEBT	<b>\$4.5 million</b>
Matures Dec. 31, 2027 / Conv Price - \$0.12	

## TOP SHAREHOLDERS

- Teck Resources
- Crescat Capital
- Osisko Dev Corp
- US Global Investors
- Eric Sprott
- Commodity Discovery Fund
- Delbrook Capital Advisors
- Tusk (private)

# SAN JAVIER RESOURCE

	Tonnes X1000	Tcu %	As+Cn Cu %	AsCu %	CnCu %
Measured	12,485	0.278%	0.203%	0.172%	0.032%
Indicated	57,664	0.270%	0.184%	0.148%	0.037%
<b>Total M&amp;I</b>	<b>70,149</b>	<b>0.271%</b>	<b>0.187%</b>	<b>0.152%</b>	<b>0.036%</b>
<b>Inferred</b>	<b>5.965</b>	<b>0.240%</b>	<b>0.152%</b>	<b>0.114%</b>	<b>0.038%</b>

	Total Contained Cu Lbs x 1000	Soluble Contained Cu Lbs x1000
Measured	76,573	55,938
Indicated	342,669	233,504
<b>Total M&amp;I</b>	<b>419,242</b>	<b>289,442</b>
<b>Inferred</b>	<b>31,563</b>	<b>19,923</b>

## MINERAL RESOURCE NOTES

- Tcu = total copper grade; AsCu = acid soluble copper; CnCu = cyanide soluble copper
- AsCu + CnCu cutoffs vary by oxidation type: leach cap & oxide = 0.04%, mixed = 0.07%, sulfide = 0.08%
- Contained pounds = ktonnes x Tcu x 22.04; Soluble pounds = ktonnes x AsCu + CnCu x 22.04
- Mineral Resource tonnage and grades are restricted to the Cerro Verde Deposit
- Total pit shell tonnage = 95,175 ktonnes; ratio of ktonnes below cutoff to above cutoff = 0.25
- Grade capping was applied to reduce the influence of outlier samples; 2.5% Cu was used for the oxide and mixed zones and 1.5% Cu was used for the sulfide zones
- The economic parameters used to define mineral resources is US\$4.00 per pound copper
- Recovery estimates were 85% for leach cap and oxide, 75% for mixed, and 60% for sulfide
- Numbers may not add due to rounding

NI 43-101 Report can be found on [www.SEDAR.com](http://www.SEDAR.com) or at [www.BarksdaleResources.com](http://www.BarksdaleResources.com)



# WHY INVEST IN BARKSDALE RESOURCES?



## CRITICAL METALS

Barksdale is committed to energy independence in the Americas through the exploration and development of critical metals such as Copper, Zinc, Manganese, Silver and Lead.



## EXPLORATION

Down dip extensions of South 32's Taylor and Peake discoveries include; Feeder system with multiple 1990s ASARCO porphyry discoveries; further greenfield prospectivity all on the Sunnyside property.



## JURISDICTION

Our present emphasis is on our Sunnyside project in the Patagonia District of Arizona, USA, adjacent to the South32 properties. We feature exploration assets in Arizona and Mexico.



## MANAGEMENT

Our leadership team is highly experienced and come from great names in the industry such as: Yamana Gold, Barrick, Meridian Gold and America's Gold and Silver.



## CREATE VALUE

The Company is committed to creating significant shareholder value through exploration and by increasing ownership to 67.5% of Sunnyside Project in the next 6 months

# CONTACT

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# APPENDIX

# ARIZONA OPTION AGREEMENT

- Barksdale maintains a initial **51%** of Sunnyside over a two-year period.
- It may then elect to increase to **67.5%** over an additional two-year period.

Period	C\$ Cash	Exploration Requirement (C\$)	Drilling Footage	Number of Shares	
On execution of agreement	\$750,000 (paid)			1,250,000 (issued)	51%
On or before end of Year 1*	\$1,200,000 (paid)	\$3,000,000 (Incurred PI)		3,850,000 (issued)	
On or before end of Year 2	\$1,000,000	\$3,000,000 (Incurred PI)	25,000 feet (completed)	5,000,000	67.5%
On or before end of Year 3	-	\$3,000,000 (Incurred PI)		-	
On or before end of Year 4	\$550,000	\$3,000,000 (Incurred PI)	25,000 feet	4,900,000	
<b>Total:</b>	<b>C\$3,500,000</b>	<b>C\$12,000,000</b>		<b>15,000,000</b>	

\*Year 1 began on September 8, 2023



# SAN JAVIER OPTION

## TRANSACTION OVERVIEW

- Barksdale to acquire an option to purchase 100% of San Javier from Tusk Exploration Ltd (private)
- Total consideration of ~C\$5.5 million consisting of:
  - **4M BRO shares and C\$50,000** in cash at closing (complete)
  - **2M BRO shares and C\$100,000** in cash on first anniversary
  - **3M BRO shares and C\$150,000** in cash at sooner of PFS or three years
  - **4M BRO shares and C\$200,000** in cash at sooner of securing construction financing or six years
  - Sliding scale NSR (1% below US\$3.50 copper; 2% above)

### Update

**As announced Sept 16, 2020**, certain title issues have led Barksdale and Tusk to defer 35% of the consideration from the first two option payments. If the title defects are corrected before the third anniversary, Barksdale shall pay the deferred consideration within 30 days. If Tusk fails to correct the issues before the third anniversary, the deferred consideration will be canceled, and the remaining option payments will be reduced by 35%.